Regency Centers

Soil Vapor Intrusion Investigation Summary

Carmel ShopRite Plaza
180 Gleneida Avenue
Carmel, New York
NYSDEC Site Number V00104

January 24, 2025

Version 1.0

Soil Vapor Intrusion Investigation Summary

Carmel ShopRite Plaza
180 Gleneida Avenue
Carmel, New York
NYSDEC Site Number V00104

Prepared for:
New York State Department of Environmental Conservation
Division of Environmental Remediation
Remedial Bureau C
625 Broadway – 12th Floor
Albany, New York 12233-7014

Prepared by:
Groundwater & Environmental Services, Inc.
1777 Veterans Memorial Highway, Suite 20
Islandia, NY 11749
TEL: 800-360-9405
www.gesonline.com

GES Project:
1192343

Date:
January 24, 2025

This document is intended only for the use or the individual or entity for which it was prepared and may contain information that is privileged, confidential, and exempt from disclosure under applicable law. Any dissemination, distribution, or copying of this document is strictly prohibited.

Jessica Montaldo

For: Pawel Mecinski
Project Remediation Specialist

Michael DeGloria

Digitally signed by Michael DeGloria
Date: 2025.01.24 09:16:53 -05'00'

Michael C. DeGloria
Principal Project Manager

Contents

1 Introduction 1
2 Site Information 1
2.1 Site Location 1
2.2 Current Use 2
2.3 Remediation History 2
3 Scope of Work 2
4 Pre-Sampling Requirements 3
4.1 SSD System Shutdown 3
4.2 Pre-sampling Inspection and Preparation of Properties 3
4.2.1 Product Inventories 3
4.2.2 Quality Assurance/Quality Control 4
5 Soil Vapor Intrusion Sampling 5
5.1 Sampling Event 5
5.2 Sample Collection 6
5.3 Sample Integrity 7
5.4 SSD System Restart 7
6 Results 7
6.1 Product Inventory 7
6.1.1 178 Route 52 – Europa Pizza 7
6.1.2 176 Route 52 – Carmel Nails 7
6.1.3 174 Route 52 – Electric Paradise Tanning 7
6.1.4 170 Route 52 – Chinatown Restaurant 7
6.2 Analytical Results 8
6.2.1 178 Route 52 – Europa Pizza 8
6.2.1.1 SS-1 and IA-1 8
6.2.1.2 SS-2 and IA-2 9
6.2.2 176 Route 52 – Carmel Nails 10
6.2.2.1 SS-3 and IA-3 10
6.2.2.2 SS-4 and IA-4 10
6.2.3 174 Route 52 – Electric Paradise Tanning 11
6.2.3.1 SS-5 and IA-5 11

6.2.3.2 SS-6 and IA-6 11
6.2.4 170 Route 52 – Chinatown Restaurant 12
6.2.4.1 SS-7 and IA-7 12
6.2.4.2 SS-8 and IA-8 12
7 Summary & Recommendations 12

Figures

Figure 1 – Site Location Map
Figure 2 – Site Map
Figure 3 – Sample Location Map
Figure 4 – Constituents of Concern Summary Map

Tables

Table 1 – Sub-Slab Vapor Point Locations
Table 2 – Screening Results
Table 3 – Sampling Summary
Table 4 – Air Analytical Results – December 2024
Table 5 – Constituents of Concern Summary Comparison (Matrices A, B and C)
Table 6 – Constituents of Concern Summary Comparison (Matrices D, E and F)
Table 7 –Recommendations

Appendices

Appendix A – NYSDOH Indoor Air Quality Questionnaire and Building Inventory Forms
Appendix B – Photograph Log
Appendix C – Laboratory Analytical Results
Appendix D – Data Usability Report for Regency Centers – December 2024 Sampling Event
Appendix E – NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York

Acronyms

AGV air guidance values
COC constituents of concern
DUSR Data Usability Summary Report
EC Engineering Control
EPA United States Environmental Protection Agency
ft feet
fbg feet below grade
GES Groundwater & Environmental Services, Inc.
L/min liters per minute
MGD multi-gas detector
NYSDEC New York State Department of Environmental Conservation
NYSDOH New York State Department of Health
ppb parts per billion
ppm parts per million
PID Photoionization Detector
PCE Tetrachloroethene
RL reporting limit
SMP Site Management Plan
SVE Soil Vapor Extraction
SVI Soil Vapor Intrusion
SSD Sub-slab depressurization system
TCE Trichloroethene
VOCs Volatile Organic Compounds
µg/m^3 Micrograms Per Cubic Meter
11-DCE 1,1-Dichloroethene
1,1,1-TCA 1,1,1-Trichloroethane
c12-DCE Cis-1,2-Dichloroethene

1 Introduction

Groundwater & Environmental Services, Inc. (GES) has prepared this *Soil Vapor Intrusion Investigation Summary* report outlining the Soil Vapor Intrusion (SVI) investigation activities completed at the Carmel ShopRite Plaza located at 180 Gleneida Avenue (Route 52) in Carmel, New York (the site) in December 2024. The site is managed under the New York State Department of Environmental Conservation (NYSDEC) Brownfield Program #V00104. A Site Location Map is included as **Figure 1** and a Site Map showing pertinent site features is included as **Figure 2**.

The SVI investigation activities performed by GES were limited to four (4) tenant spaces (#170, #174, #176, and #178 Route 52, Carmel, New York) that currently have active sub-slab depressurization (SSD) systems installed. SVI investigation activities were completed in accordance with the revised December 22, 2023 SVI Work Plan approved by the NYSDEC on January 9 and 10, 2024. The investigation activities were also completed in accordance with the New York State Department of Health (NYSDOH) *Guidance for Evaluating Soil Vapor Intrusion in the State of New York,* dated October 2006, and Updates to Soil Vapor/Indoor Air Decision Matrices A through C, dated May 2017, for chlorinated constituents of concern, and Matrices D through F, dated February 2024, for petroleum constituents of concern.

A *Soil Vapor Instrusion Investigation Summary Report*, dated July 31, 2024 was submitted to the NYSDEC and NYSDOH following the completion of the first SVI event during the 2023/2024 heating season. A NYSDEC letter, dated October 3, 2024, requested additional sampling during the 2024/2025 heating season. In response, a second SVI event was conducted for the purpose of evaluating current sub-slab vapor and indoor air quality at the four (4) tenant spaces (#170, #174, #176, and #178) at the site as well as evaluating the potential for SVI in the tenant spaces in support of decommissioning the SSD systems. The sub-slab vapor and indoor air sampling locations are shown on **Figure 3**.

2 Site Information

2.1 Site Location

The site is located in the Town of Carmel, County of Putnam, State of New York and is identified as Tax Map Number 44.9-1-9 on the Putnam County Tax Map. The site is located on a 19 acre parcel of land developed with three (3) commercial buildings and an asphalt parking lot. The three (3) commercial buildings are comprised of approximately twenty (20) tenant spaces that are primarily utilized as large retail businesses (supermarket, pharmacy), restaurants, salons, and small specialty shops.

The immediate vicinity of the site is predominantly surrounded by undeveloped land and roadways. Other properties in the vicinity of the site include:

- North*:* Commercial properties, including a monument maker for the neighboring cemetery.
- Northeast: Commercial properties, including a gas station.
- South: Commercial properties, including a strip mall.

- West: Cemetery
- East: Apartment complex

2.2 Current Use

The current tenants at the four (4) tenant spaces (#170, #174, #176, and #178 Route 52, Carmel, New York) evaluated as part of the SVI investigation include:

- 170 Route 52 – Chinatown Restaurant – 1,600 square foot tenant space occupied by a restaurant.
- 174 Route 52 – Electric Paradise Tanning – 1,200 square foot tenant space occupied by a tanning salon.
- 176 Route 52 – Carmel Nails – 2,000 square foot tenant space occupied by a nail salon.
- 178 Route 52 – Europa Pizza – 2,000 square foot tenant space occupied by a restaurant.

Each of the four (4) tenant spaces listed above have SSD systems operating utilizing either a RadonAway® HS-5000 fan or a RadonAway® RP-265 Fan.

2.3 Remediation History

Lauren's Dry Cleaner and A&A Cleaners are noted as the historic tenants of concern in the shopping center and their historical operations resulted in Tetrachloroethene (PCE) contamination at the site. Site investigation activities were conducted between 1994 and 2004. During the investigation, a source area was identified beneath the concrete slab of the dry cleaner tenant space. The source area dimensions were noted as approximately 8 feet (ft) by 12 ft, to a depth of approximately 3 to 4 feet below grade (fbg). Approximately 49.66 tons of PCE impacted soil was excavated and removed for disposal off-site. Confirmation soil borings were completed subsequent to the excavation activities and indicated the presence of residual PCE contamination beneath the building slab. A soil vapor extraction (SVE) system was installed to remediate the residual PCE impacted soil. The SVE system was shut down when monitoring of the SVE system indicated that remediation of the PCE impacted soils was complete. Following the SVE system deactivation, SSD systems were installed in 2010 for the purpose of preventing potential residual contamination of PCE beneath the concrete slab from impacting indoor air quality. A deed restriction was executed and recorded to restrict land use and prevent future exposure to any contamination remaining at the site. A Site Management Plan (SMP) is also in place for the long term management of remaining contamination with the SSD systems acting as the engineering control (EC) for the specific tenant spaces.

3 Scope of Work

All activities described in this report were completed in accordance with published NYSDOH guidance for evaluating SVI in the State of New York. This effort was undertaken to determine the actions recommended to address current and potential exposures related to SVI as outlined in the Soil Vapor/Indoor Air Matrices A through C (May 2017) and Matrices D through F (February 2024). SVI investigation activities were also completed in accordance with the revised December

22, 2023 SVI Work Plan approved by the NYSDEC on January 10, 2024.

Field activities included SSD system shutdown, verifying the integrity of the existing sub-slab vapor points (which were installed by GES on January 31, and February 1, 2024), building and chemical inventory, and collection of sub-slab soil vapor and indoor air samples over an 8-hour period from designated sampling points within the four (4) designated tenant spaces.

The sub-slab vapor point locations are illustrated on **Figure 3** and summarized in the table below.

Table 1 – Sub-Slab Vapor Point Locations

Tenant Space Location	Sub-Slab Vapor Point ID
178 Route 52 – Europa Pizza	SS-1
	SS-2
176 Route 52 – Carmel Nails	SS-3
	SS-4
174 Route 52 – Electric Paradise Tanning	SS-5
	SS-6
170 Route 52 – Chinatown Restaurant	SS-7
	SS-8

4 Pre-Sampling Requirements

4.1 SSD System Shutdown

On October 11, 2024, SSD systems in each of the four (4) tenant spaces were temporarily shut down. The electric breaker for each SSD system fan was turned to the off position and the SSD system exhaust ports were capped.

4.2 Pre-sampling Inspection and Preparation of Properties

On December 9, 2024, GES conducted a pre-sampling inspection at four (4) tenant spaces (#170, #174, #176, and #178 Route 52, Carmel, New York) to verify the floor layout, physical building conditions, and potential sources of volatile organic compounds (VOCs) that may be present within each tenant space that may affect or interfere with the planned sampling activities. Each of the tenant spaces were screened with a photoionization detector (PID) and inspected for products that potentially contain or are known to contain VOCs.

The NYSDOH *Indoor Air Quality Questionnaire and Building Inventory* Forms are provided in **Appendix A**.

4.2.1 Product Inventories

In accordance with the 2006 NYSDOH *Guidance for Evaluating Soil Vapor Intrusion in the State of New York* document, GES completed a product inventory survey to document any potential or

known sources of VOCs that may be present within each tenant space during sample collection. Items that were evaluated during the product inventory survey included, although were not limited to, the use and/or storage of chemical products. The NYSDOH *Indoor Air Quality Questionnaire and Building Inventory* includes a Product Inventory Form which is provided in **Appendix A**.

A Product Inventory Form was completed for each tenant space and includes the location product was found, product description, size of the product, condition, chemical ingredients, and field instrumentation reading. Field instrumentation readings were collected with a ppbRAE 3000 PID equipped with a 10.6 eV bulb. The ppbRAE 3000 PID was calibrated prior to use with 10 parts per million (ppm) isobutylene calibration gas and passed calibration. Section 6.1 provides additional field instrument readings/results from the product inventory.

4.2.2 Quality Assurance/Quality Control

On December 9, 2024, GES verified the integrity of the sub-slab vapor points using a helium tracer gas to test the seal. Each sub-slab location was then purged three (3) times the volume of the sampling point using a GILIAN personal air sampling system and a flow module (vacuum pump), which was set at a maximum flow rate of 0.2 liters per minute (L/min). Helium tracer gas was subsequently applied to the atmosphere (contained within a helium shroud) to confirm that an adequate seal was in place at all sub-slab vapor points. A helium multi-gas detector (MGD 2002) was used to verify all sub-slab vapor points. Additionally, a ppbRAE 3000 PID was utilized to screen soil gas concentrations via the sub-slab vapor point.

Each tenant space was also screened with a PID to measure background. The screening results are summarized in the table below:

Table 2 – Screening Results

Tenant Space Location	Sample Date	Sample ID	PID Reading (ppb)	Helium Trace Reading (ppm)	Background (ppb)
178 Route 52 – Europa Pizza	12/9/2024	SS-1	0.0	0.0	520
	12/9/2024	SS-2	0.0	0.0	
	12/10/2024	SS-1	0.0	--	0.0
	12/10/2024	SS-2	26	--	
176 Route 52 – Carmel Nails	12/9/2024	SS-3	0.0	0.0	2,005
	12/9/2024	SS-4	147	0.0	
	12/10/2024	SS-3	0.0		477
	12/10/2024	SS-4	27		
174 Route 52 – Electric Paradise Tanning	12/9/2024	SS-5	0.0	0.0	448
	12/9/2024	SS-6	0.0	0.0	
	12/10/2024	SS-5	0.0	--	0.0
	12/10/2024	SS-6	57	--	
170 Route 52 – Chinatown Restaurant	12/9/2024	SS-7	0.0	0.0	0.0
	12/9/2024	SS-8	0.0	0.0	
	12/10/2024	SS-7	0.0	--	0.0
	12/10/2024	SS-8	187	--	

Notes:
ppb- parts per billion
ppm- parts per million

A photolog illustrating the PID and helium multi-gas detector results is provided in **Appendix B**.

5 Soil Vapor Intrusion Sampling

5.1 Sampling Event

On December 10, 2024, GES collected eight (8) sub-slab vapor samples, eight (8) indoor air samples, and two (2) outdoor air samples. One (1) duplicate sub-slab vapor sample and one (1) duplicate indoor air sample was also collected. All samples were collected concurrently and indoor air samples were co-located with the same numbered sub-slab sample (i.e., indoor air sample IA-1 was located above the slab adjacent to sub-slab vapor sample SS-1). Samples were collected in accordance with the revised December 22, 2023 SVI Work Plan approved by the NYSDEC on January 10, 2024.

The approximate locations of each sample are depicted on **Figure 3** and summarized on the table below:

Table 3 – Sampling Summary

Tenant Space Location	Sample Date	Sample ID	Sample Type
178 Route 52 – Europa Pizza	12/10/2024	SS-1	Soil Vapor
	12/10/2024	IA-1	Indoor Air
	12/10/2024	SS-2	Soil Vapor
	12/10/2024	IA-2	Indoor Air
176 Route 52 – Carmel Nails	12/10/2024	SS-3	Soil Vapor
	12/10/2024	IA-3	Indoor Air
	12/10/2024	SS-4	Soil Vapor
	12/10/2024	IA-4	Indoor Air
174 Route 52 – Electric Paradise Tanning	12/10/2024	SS-5	Soil Vapor
	12/10/2024	IA-5	Indoor Air
	12/10/2024	SS-6	Soil Vapor
	12/10/2024	IA-6	Indoor Air
	12/10/2024	DUP (SS-5)	Soil Vapor
	12/10/2024	DUP (IA-5)	Indoor Air
170 Route 52 – Chinatown Restaurant	12/10/2024	SS-7	Soil Vapor
	12/10/2024	IA-7	Indoor Air
	12/10/2024	SS-8	Soil Vapor
	12/10/2024	IA-8	Indoor Air
Outdoor	12/10/2024	OA-1	Ambient Air
	12/10/2024	OA-2	Ambient Air

5.2 Sample Collection

All sub-slab, indoor, and outdoor air samples were collected over an 8-hour period using laboratory supplied, batch-certified, 6-liter SUMMA canisters equipped with 8-hour regulators. Upon completion of the 8-hour sampling period, each sample collection apparatus was stored according to the sample collection methodology set by the laboratory and delivered to SGS North America, Inc. of Dayton, New Jersey under proper chain of custody for analysis of VOCs via United States Environmental Protection Agency (EPA) Method TO-15.

5.3 Sample Integrity

Duplicate samples were collected for both sub-slab and indoor air samples. Sub-slab vapor sample SS-5 and indoor air sample IA-5 both had duplicate samples collected. All summa canister samples were received by the laboratory in good condition and within sample holding time.

5.4 SSD System Restart

The SSD system in each of the four (4) tenant spaces was restarted on December 10, 2024 following the completion of sample collection activities.

6 Results

6.1 Product Inventory

GES identified a number of products stored within the tenant spaces, some of which screened positive for the presence of VOCs which may have affected the SVI results. Background screening results prior to the SVI test ranged from 0.0 to 2,005 parts per billion (ppb). Background screening results during the SVI test ranged from 0.0 to 477 ppb.

The following products were identified with measured PID results:

6.1.1 178 Route 52 – Europa Pizza

- Restaurant Saver, Green Dishwashing Liquid – PID response of 35 ppb

6.1.2 176 Route 52 – Carmel Nails

- Acetone – PID response of 11.15 ppm
    - High background readings measured on December 9th and 10th were sourced from the nail salon operations, which were also sensed through olfactory observation.

6.1.3 174 Route 52 – Electric Paradise Tanning

- Australian Gold Disinfectant Sanitizer – PID response of 150 ppb
- Berkely Jenson dryer sheets – 160 ppb
- The dryer vent, which exhausts into the tenant space – PID response of 150 ppb

6.1.4 170 Route 52 – Chinatown Restaurant

- So-Kleen Green Premium cleaner – PID response of 75 ppb

The NYSDOH *Indoor Air Quality Questionnaire and Building Inventory* includes a Product Inventory Form which is provided in **Appendix A**. Additional photos of the products included in the Product Inventory Form are included in the photographic log in **Appendix B**.

6.2 Analytical Results

Laboratory analytical results indicated the presence of individual VOCs above laboratory reporting limits and/or above regulatory guidelines in sub-slab vapor samples, indoor air samples, and outdoor air samples. The analytical data is summarized on **Table 4** and the laboratory analytical reports are included in **Appendix C**. In addition, a data usability summary report (*DUSR*) was completed by Groundwater and Environmental Services Environmental Informatics Group, of Blacksburg, Virginia. The data usability evaluation verified all results acceptable for use. Data validation qualifiers were assigned to various analytes due to compliance issues as outlined on Table 1 of the Data Validation Report. A copy of the DUSR is provided in **Appendix D**

The following compounds exceeded regulatory guidelines in one (1) or more samples, based on the upper fence indoor air values in Appendix C of the NYSDOH *Guidance for Evaluating Soil Vapor Intrusion in the State of New York* document

- Acetone
- Chloroform
- m-Dichlorobenzene
- Methylmethacrylate
- Tetrachloroethylene (PCE)
- Trichloroethylene (TCE)
- Trichlorofluoromethane

The following compounds exceeded regulatory guidelines in one (1) or more samples, based on the NYSDOH Air Guideline Values (AGVs) from Table 3.1 of the NYSDOH *Guidance for Evaluating Soil Vapor Intrusion in the State of New York* document

- Tetrachloroethylene (PCE)
- Trichloroethylene (TCE)

Laboratory analytical results for select constituents of concern (COCs) were then compared to the Updates to Soil Vapor/Indoor Air Decision Matrices A through C, dated May 2017, and Matrices D through F (attached as **Appendix E**).

A summary of the constituents of concern and the matrix recommendation by tenant space are detailed below:

6.2.1 178 Route 52 – Europa Pizza

6.2.1.1 SS-1 and IA-1

- Concentrations of Matrix A COCs [1,1-dichloroethene (1,1-DCE), carbon tetrachloride, cis-1,2-dichloroethene (c12-DCE), and TCE) ranged from non-detect to 0.56 micrograms per cubic meter (µg/m^3) (carbon tetrachloride, IA-1) and result in a *No Further Action* recommendation.
- Concentrations of Matrix B COCs [1,1,1-trichloroethane (1,1,1-TCA), methylene chloride, and PCE] ranged from non-detect to 12 µg/m^3 (PCE, SS-1) and result in a *No Further Action* recommendation.

- Concentrations of Matrix C COC (vinyl chloride) were non-detect and result in a *No Further Action* recommendation.
- Concentrations of Matrix D COCs (benzene, cyclohexane, ethylbenzene, naphthalene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, 2,2,4-trimethylpentane, and o-xylene) ranged from non-detect to 6.4 µg/m^3 (benzene, IA-1) and result in a *No Further Action* recommendation.
- Concentrations of Matrix E COCs (heptane, hexane, and m,p-xylene) ranged from non-detect to 51.6 µg/m^3 (heptane, IA-1) and result in an *Identify Source, Resample or Mitigate* recommendation.
    - The recommendation outcome is the result of heptane present in the IA-1 sample at more than 20 µg/m^3. However, heptane was not detected in the corresponding sub-slab sample and was present at low levels in one outdoor air sample. Therefore, the presence of heptane is not considered the result of vapor intrusion. Furthermore, heptane may be sourced from the adjoining nail salon operations.
- Concentrations of Matrix F COC (toluene) ranged from non-detect to 3.4 µg/m^3 (IA-1) and result in a *No Further Action* recommendation.

6.2.1.2 SS-2 and IA-2

- Concentrations of Matrix A COCs ranged from non-detect to 0.57 µg/m^3 (carbon tetrachloride, IA-2) and result in a *No Further Action* recommendation.
- Concentrations of Matrix B COCs ranged from non-detect to 26 µg/m^3 (PCE, SS-2) and result in a *No Further Action* recommendation.
- Concentrations of Matrix C COC were non-detect and result in a *No Further Action* recommendation.
- Concentrations of Matrix D COCs ranged from non-detect to 12 µg/m^3 (benzene, IA-2) and result in an *Identify Source, Resample or Mitigate* recommendation.
    - The recommendation outcome is the result of benzene present in the IA-2 sample at more than 10 µg/m^3. However, benzene was detected at 2.7 µg/m^3 at SS-2 and was present in the outdoor air samples. Therefore, the presence of benzene is not considered the result of vapor intrusion.
- Concentrations of Matrix E COCs ranged from non-detect to 11 µg/m^3 (heptane, IA-2) and result in a *No Further Action* recommendation.
- Concentrations of Matrix F COC ranged from 2.8 µg/m^3 (SS-2) to 3.4 µg/m^3 (IA-2) and result in a *No Further Action* recommendation.

The constituent of concern analytical data for Europa Pizza tenant space (#178 Route 52, Carmel, NY) is summarized on **Table 5**, **Table 6**, and **Figure 4**.

6.2.2 176 Route 52 – Carmel Nails

6.2.2.1 SS-3 and IA-3

- Concentrations of Matrix A COCs ranged from non-detect to 0.63 µg/m^3 (carbon tetrachloride, IA-3) and result in a *No Further Action* recommendation.
- Concentrations of Matrix B COCs ranged from non-detect to 164 µg/m^3 (PCE, SS-3) and result in a *No Further Action* recommendation.
- Concentrations of Matrix C COC were non-detect and result in a *No Further Action* recommendation.
- Concentrations of Matrix D COCs ranged from non-detect to 2.1 µg/m^3 (benzene, IA-3) and result in a *No Further Action* recommendation.
- Concentrations of Matrix E COCs ranged from non-detect to 64.8 µg/m^3 (heptane, IA-3) and result in an *Identify Source, Resample or Mitigate* recommendation.
    - The presence of heptane is not the result of vapor intrusion considering its low level detection in the corresponding sub-slab sample. Furthermore, heptane may be sourced from the nail salon operations.
- Concentrations of Matrix F COC ranged from non-detect to 9.4 µg/m^3 (IA-3) and result in a *No Further Action* recommendation.

6.2.2.2 SS-4 and IA-4

- Concentrations of Matrix A COCs ranged from non-detect to 0.50 µg/m^3 (TCE, SS-4) and result in a *No Further Action* recommendation.
- Concentrations of Matrix B COCs ranged from non-detect to 10 µg/m^3 (Methylene Chloride, SS-4) and result in a *No Further Action* recommendation.
- Concentrations of Matrix C COC were non-detect and result in a *No Further Action* recommendation.
- Concentrations of Matrix D COCs were non-detect and result in a *No Further Action* recommendation.
- Concentrations of Matrix E COCs ranged from non-detect to 65.6 µg/m^3 (heptane, IA-4) and result in an *Identify Source, Resample or Mitigate* recommendation.
    - The presence of heptane is not the result of vapor intrusion considering its low level detection in the corresponding sub-slab sample. Furthermore, heptane may be sourced from the nail salon operations.
- Concentrations of Matrix F COC ranged from non-detect to 2.1 µg/m^3 (SS-4) and result in a *No Further Action* recommendation.

The laboratory reporting limit (RL) was elevated on sample IA-4. SGS reports that the initial acetone result exceeded the linear dynamic calibration range with dilutions made accordingly. Nail salon operations include the use of acetone, which was identified present during the product

inventory review. The constituent of concern analytical data for Carmel Nails tenant space (#176 Route 52, Carmel, NY) is summarized on **Table 5**, **Table 6**, and **Figure 4**.

6.2.3 174 Route 52 – Electric Paradise Tanning

6.2.3.1 SS-5 and IA-5

- Concentrations of Matrix A COCs ranged from non-detect to 24 µg/m^3 (TCE, SS-5) and result in a ***Monitor*** recommendation.
    - The recommendation outcome is the result of TCE present in the IA-5 sample at more than 0.2 µg/m^3. However, the duplicate sample collected [IA-5 (DUP)] collected from the same location had an indoor air concentration of TCE below a method detection limit of 0.17 µg/m^3 and therefore would result in a No Further Action recommendation.
- Concentrations of Matrix B COCs ranged from non-detect to 12 µg/m^3 [PCE, SS-5 and SS-5 (DUP)] and result in a ***No Further Action*** recommendation.
- Concentrations of Matrix C COC were non-detect and result in a ***No Further Action*** recommendation.
- Concentrations of Matrix D COCs ranged from non-detect to 2.3 µg/m^3 [benzene, IA-5 and IA-5 (DUP)] and result in a ***No Further Action*** recommendation.
- Concentrations of Matrix E COCs ranged from 1.3 µg/m^3 [m,p-xylene, SS-5 (DUP)] to 3.9 µg/m^3 (hexane, SS-5) and result in a ***No Further Action*** recommendation.
- Concentrations of Matrix F COC ranged from 2.5 µg/m^3 [SS-5 (DUP)] to 4.1 µg/m^3 (IA-5) and result in a ***No Further Action*** recommendation.

6.2.3.2 SS-6 and IA-6

- Concentrations of Matrix A COCs ranged from non-detect to 0.75 µg/m^3 (TCE, IA-6) and result in a ***No Further Action*** recommendation.
- Concentrations of Matrix B COCs ranged from non-detect to 1,040 µg/m^3 (PCE, SS-6) and result in a ***Mitigate*** recommendation.
- Concentrations of Matrix C COC were non-detect and result in a ***No Further Action*** recommendation.
- Concentrations of Matrix D COCs ranged from non-detect to 2.2 µg/m^3 (benzene, IA-6) and result in a ***No Further Action*** recommendation.
- Concentrations of Matrix E COCs ranged from non-detect to 3.6 µg/m^3 (heptane, IA-6) and result in a ***No Further Action*** recommendation.
- Concentrations of Matrix F COC ranged from non-detect to 4.1 µg/m^3 (IA-6) and result in a ***No Further Action*** recommendation.

The constituent of concern analytical data for Electric Paradise Tanning tenant space (#174 Route 52, Carmel, NY) is summarized on **Table 5**, **Table 6**, and **Figure 4**.

6.2.4 170 Route 52 – Chinatown Restaurant

6.2.4.1 SS-7 and IA-7

- Concentrations of Matrix A COCs ranged from non-detect to 0.53 µg/m^3 (carbon tetrachloride, IA-7) and result in a *No Further Action* recommendation.
- Concentrations of Matrix B COCs ranged from non-detect to 84.1 µg/m^3 (PCE, SS-7) and result in a *No Further Action* recommendation.
- Concentrations of Matrix C COC were non-detect and result in a *No Further Action* recommendation.
- Concentrations of Matrix D COCs ranged from non-detect to 1.4 µg/m^3 (benzene, IA-7) and result in a *No Further Action* recommendation.
- Concentrations of Matrix E COCs ranged from non-detect to 5.6 µg/m^3 (hexane, SS-7) and result in a *No Further Action* recommendation.
- Concentrations of Matrix F COC ranged from 1.1 µg/m^3 (IA-7) to 2.6 µg/m^3 (SS-7) and result in a *No Further Action* recommendation.

6.2.4.2 SS-8 and IA-8

- Concentrations of Matrix A COCs ranged from non-detect to 0.52 µg/m^3 (carbon tetrachloride, IA-8) and result in a *No Further Action* recommendation.
- Concentrations of Matrix B COCs ranged from non-detect to 14 µg/m^3 (PCE, SS-8) and result in a *No Further Action* recommendation.
- Concentrations of Matrix C COC were non-detect and result in a *No Further Action* recommendation.
- Concentrations of Matrix D COCs ranged from non-detect to 0.89 µg/m^3 (benzene, IA-8) and result in a *No Further Action* recommendation.
- Concentrations of Matrix E COCs ranged from non-detect to 3.5 µg/m^3 (hexane, SS-8) and result in a *No Further Action* recommendation.
- Concentrations of Matrix F COC ranged from 1.7 µg/m^3 (SS-8) to 2.1 µg/m^3 (IA-8) and result in a *No Further Action* recommendation.

The constituent of concern analytical data for Chinatown Restaurant tenant space (#170 Route 52, Carmel, NY) is summarized on **Table 5**, **Table 6**, and **Figure 4**.

7 Summary & Recommendations

On December 9 and 10, 2024, a second SVI sampling event was completed at the Carmel ShopRite Plaza (NYSDEC Site Number V00104) at tenant spaces #170, #174, #176, and #178 Route 52, Carmel, NY in accordance with the NYSDEC letter dated October 3, 2024. This investigation was conducted for the purpose of evaluating current sub-slab soil vapor and indoor air quality as well as evaluating the potential for SVI in the tenant spaces in support of decommissioning the SSD systems.

- Ambient screening results indicate the presence of VOCs measured using a PID, in three (3) of the four (4) tenant spaces during the pre-sampling screening completed on December 9, 2024.
- Ambient screening results indicated the presence of VOCs measured using a PID in one (1) of the four (4) tenant spaces during the SVI event on December 10, 2024
- All four (4) tenant spaces contained at least one (1) product contributing to the presence of VOCs in the indoor air with the highest background observed in Carmel Nails. Typical nail salon products were in use during the pre-sampling and sampling activities; this has affected the results of the SVI event.
- Outdoor control samples contained detections of individual petroleum based VOCs, a number of which were detected in indoor air samples with the highest detections of benzene, hexane and toluene measured at 2.7, 3.5 and 2.4 µg/m^3, respectively. These same compounds were also detected in samples collected from each tenant space.
    - The presence of benzene and heptane in indoor air samples located at the Europa Pizza (#178 Route 52, Carmel, NY) tenant space (IA-1) and Carmel Nails (#176 Route 52, Carmel, NY) tenant space (IA-3 and IA-4) resulted in a ***Identify Source, Resample or Mitigate*** recommendation compared to the NYSDEC Soil Vapor/Indoor Air Decision Matrices D through F. As detailed above and in Section 6.2, the presence of benzene and heptane are likely not due to SVI but from tenant space operations (Nail salon).

Based on the NYSDEC Soil Vapor/Indoor Air Decision Matrices A through C comparison, a ***No Further Action*** recommendation for all locations resulted with the exception of Electric Paradise Tanning (#174 Route 52, Carmel, NY). This outcome was based on the detection of PCE at SS-6 (1,040 µg/m^3), which is greater than the Matrix B sub-slab vapor concentration threshold of 1,000 µg/m^3 which triggers a recommendation of ***Mitigate***, and the detection of TCE at IA-5 and SS-5, which resulted in a recommendation of ***Monitor***.

The following recommendations are proposed at this time based on the results of the two (2) SVI sampling events:

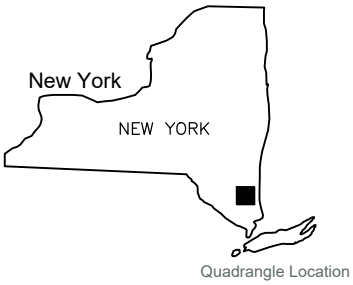
Table 7 – Recommendations

Tenant Space Location	Recommendation
178 Route 52 – Europa Pizza	No additional SVI testing based on the two (2) SVI event outcomes, discontinue SSD operation.
176 Route 52 – Carmel Nails	No additional SVI testing based on the two (2) SVI event outcomes, discontinue SSD operation.
174 Route 52 – Electric Paradise Tanning Salon	Complete an additional SVI sampling event (including sub-slab, indoor air) sample collection, per the approved SVI workplan, during the next heating season.
170 Route 52 – Chinatown Restaurant	No additional SVI testing based on the two (2) SVI event outcomes, discontinue SSD operation.

Figures



Source:
USGS 7.5 Minute Series
Topographic Quadrangle, 1981
Lake Carmel, New York
Contour Interval = 10'



Quadrangle Location

Site Location Map

Regency Centers
Carmel Shop Rite Center
180 Gleneida Avemue
Carmel, New York

Drawn
M.H.
Designed
P.M.
Approved

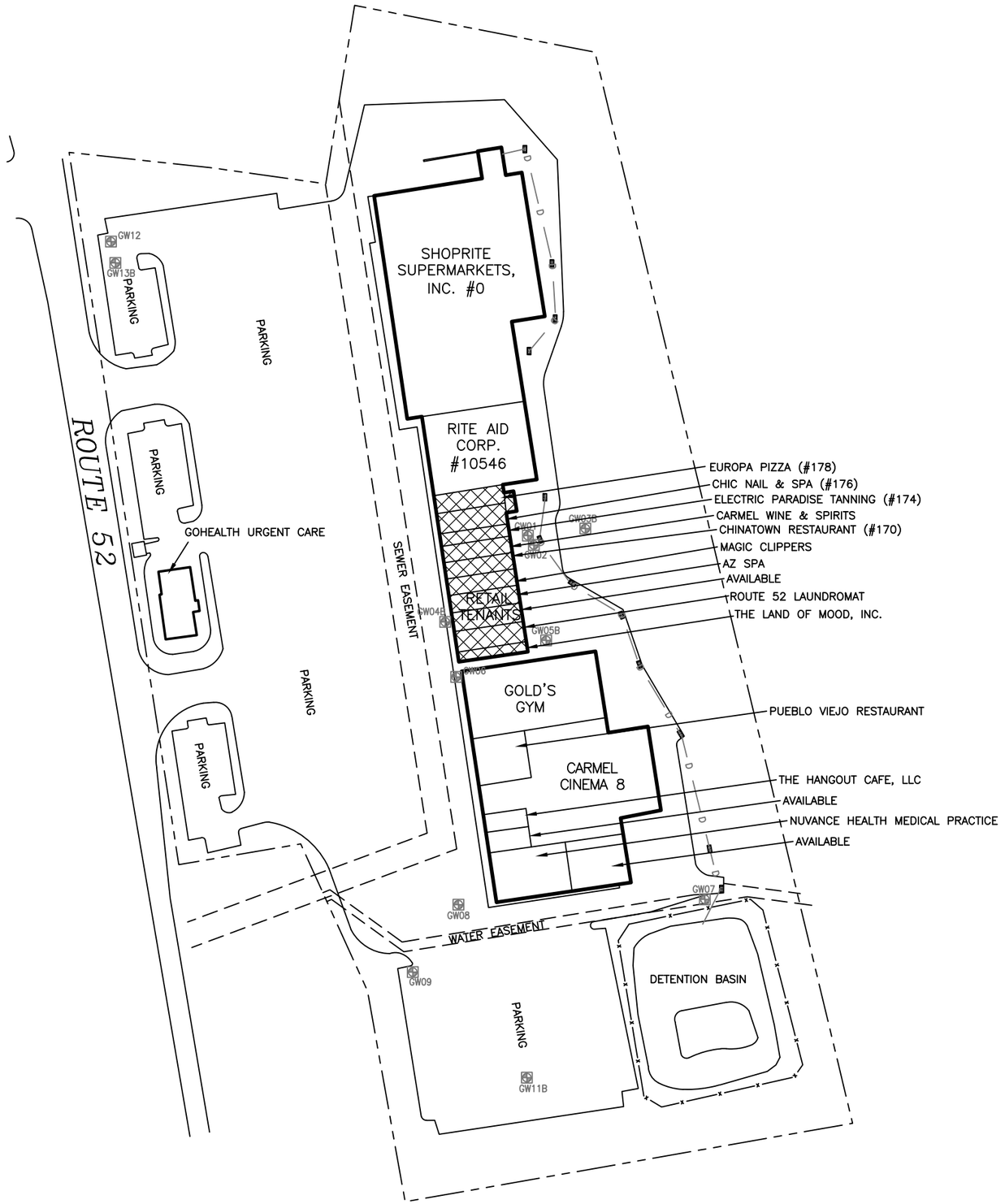
Date
01/21/24
Figure
1

N

Scale In Feet
0 2000

GES
Groundwater & Environmental Services, Inc.

N:\Graphics\Graphics\1100-Patterson-LHV\Misc\Urstadt Biddle Properties\Carmel\Carmel SLM.dwg, Template SLM, 1/21/2025 2:01:34 PM, mhollister



LEGEND

- PROPERTY BOUNDARY
- FENCE
- CATCH BASIN
- UNDERGROUND DRAIN LINE
- DESTROYED/ABANDONED WELL
- SOIL MANAGEMENT AREA

Site Map

Regency Centers
Carmel Shop Rite Center
180 Gleneida Avemue
Carmel, New York

Drawn
M.H.
Designed
P.M.
Approved
M.D.

Date
01/21/25
Figure
2

Scale In Feet
0 150

Groundwater & Environmental Services, Inc.

N:\Graphics\Graphics\1100-Patterson-LHV\Misc\Urstadt Biddle Properties\Carmel\Carmel SM.dwg, B150 sm, 1/21/2025 1:54:37 PM, mhollister



Sample Location Map

Regency Centers
Carmel Shop Rite Center
180 Gleneida Avemue
Carmel, New York

Drawn
M.H.
Designed
P.M.
Approved
M.D.

Date
01/21/25
Figure
3

Scale In Feet
0 20

Groundwater & Environmental Services, Inc.

N:\Graphics\Graphics\1100-Patterson-LHV\Misc\Urstadt Biddle Properties\Carmel\Carmel SM.dwg, B20, 1/21/2025 2:07:52 PM, mhollister

RITE AID CORP.
#10546

EUROPA PIZZA

CHIC NAIL & SPA

ELECTRIC PARADISE TANNING

CARMEL WINE & SPIRITS

CHINATOWN RESTAURANT

MASIC CLIPPERS

AZ SPA

AVAILABLE

ROUTE 52 LAUNDROMAT

SS-1/1A-1

SS-2/1A-2

SS-3/1A-3

SS-4/1A-4

SS-5/1A-5
DUPSS DUP1A

SS-6/1A-6

SS-7/1A-7

SS-8/1A-8

OA-1

OA-2

12/10/24	12/10/24	
SS-1	IA-1	
SUB-SLAB VAPOR	INDOOR AIR	
RESULT	MDL	RESULT	MDL
1,1,1-TCA	ND	1.1	ND	0.44
1,1-DCE	ND	0.79	ND	0.13
CARBON TETRACHLORIDE	ND	1.3	0.56	0.20
c12-DCE	ND	0.79	ND	0.13
METHYLENE CHLORIDE	ND	3.5	1.6	0.56
PCE	12	1.4	ND	0.22
TCE	ND	1.1	ND	0.17
VC	ND	0.51	ND	0.082

12/10/24	12/10/24	
SS-2	IA-2	
SUB-SLAB VAPOR	INDOOR AIR	
RESULT	MDL	RESULT	MDL
1,1,1-TCA	ND	1.1	ND	0.44
1,1-DCE	ND	0.32	ND	0.13
CARBON TETRACHLORIDE	ND	0.50	0.57	0.20
c12-DCE	ND	0.32	ND	0.13
METHYLENE CHLORIDE	2.5	1.4	1.6	0.56
PCE	26	0.54	ND	0.22
TCE	ND	0.43	ND	0.17
VC	ND	0.20	ND	0.082

12/10/24	12/10/24	
SS-3	IA-3	
SUB-SLAB VAPOR	INDOOR AIR	
RESULT	MDL	RESULT	MDL
1,1,1-TCA	ND	2.2	ND	0.44
1,1-DCE	ND	0.63	ND	0.13
CARBON TETRACHLORIDE	ND	1.0	0.63	0.20
c12-DCE	ND	0.63	ND	0.13
METHYLENE CHLORIDE	ND	2.8	2.3	5.6
PCE	164	1.1	0.25	0.22
TCE	ND	0.86	ND	0.17
VC	ND	0.41	ND	0.082

12/10/24	12/10/24	
SS-4	IA-4	
SUB-SLAB VAPOR	INDOOR AIR	
RESULT	MDL	RESULT	MDL
1,1,1-TCA	ND	1.1	ND	44
1,1-DCE	ND	0.32	ND	13
CARBON TETRACHLORIDE	ND	0.50	ND	20
c12-DCE	ND	0.32	ND	13
METHYLENE CHLORIDE	10	1.4	ND	56
PCE	7.5	0.54	ND	22
TCE	0.50	0.43	ND	17
VC	ND	0.20	ND	56

12/10/24	12/10/24	
SS-5	IA-5	
SUB-SLAB VAPOR	INDOOR AIR	
RESULT	MDL	RESULT	MDL
1,1,1-TCA	ND	0.55	ND	0.44
1,1-DCE	ND	0.16	ND	0.13
CARBON TETRACHLORIDE	0.60	0.25	0.58	0.20
c12-DCE	0.59	0.16	ND	0.13
METHYLENE CHLORIDE	4.2	0.69	2.1	0.56
PCE	12	0.27	0.31	0.22
TCE	23	0.21	0.30	0.17
VC	ND	0.10	ND	0.082

12/10/24	12/10/24	
SS-5(Dup)	IA-5 (Dup)	
INDOOR AIR	INDOOR AIR	
RESULT	MDL	RESULT	MDL
1,1,1-TCA	ND	0.55	ND	0.44
1,1-DCE	ND	0.16	ND	0.13
CARBON TETRACHLORIDE	ND	0.25	0.60	0.20
c12-DCE	0.56	0.16	ND	0.13
METHYLENE CHLORIDE	2.1	0.69	1.7	0.56
PCE	12	0.27	0.22	0.22
TCE	24	0.21	ND	0.17
VC	ND	0.10	ND	0.082

12/10/24	12/10/24	
SS-6	IA-6	
SUB-SLAB VAPOR	INDOOR AIR	
RESULT	MDL	RESULT	MDL
1,1,1-TCA	ND	2.2	ND	0.44
1,1-DCE	ND	0.63	ND	0.13
CARBON TETRACHLORIDE	ND	1.0	0.75	0.20
c12-DCE	ND	0.63	ND	0.13
METHYLENE CHLORIDE	ND	2.8	1.5	0.56
PCE	1,040	1.1	0.75	0.22
TCE	ND	0.86	ND	0.17
VC	ND	0.41	ND	0.082

12/10/24	12/10/24	
SS-7	IA-7	
SUB-SLAB VAPOR	INDOOR AIR	
RESULT	MDL	RESULT	MDL
1,1,1-TCA	ND	0.55	ND	0.44
1,1-DCE	ND	0.16	ND	0.13
CARBON TETRACHLORIDE	ND	0.25	0.53	0.20
c12-DCE	ND	0.16	ND	0.13
METHYLENE CHLORIDE	6.6	0.69	1.6	0.56
PCE	84.1	0.27	ND	0.22
TCE	0.27	0.21	ND	0.17
VC	ND	0.10	ND	0.082

12/10/24	12/10/24	
OA-1		
OUTDOOR AIR		
RESULT	MDL
1,1,1-TCA	ND	0.44
1,1-DCE	ND	0.13
CARBON TETRACHLORIDE	0.53	0.20
c12-DCE	ND	0.13
METHYLENE CHLORIDE	1.7	0.56
PCE	ND	0.22
TCE	ND	0.17
VC	ND	0.082

12/10/24	12/10/24	
OA-2		
OUTDOOR AIR		
RESULT	MDL
1,1,1-TCA	ND	0.44
1,1-DCE	ND	0.13
CARBON TETRACHLORIDE	0.55	0.20
c12-DCE	ND	0.13
METHYLENE CHLORIDE	2.5	0.56
PCE	ND	0.22
TCE	ND	0.17
VC	ND	0.082

12/10/24	12/10/24	
SS-8	IA-8	
SUB-SLAB VAPOR	INDOOR AIR	
RESULT	MDL	RESULT	MDL
1,1,1-TCA	ND	0.55	ND	0.44
1,1-DCE	ND	0.16	ND	0.65
CARBON TETRACHLORIDE	ND	0.25	0.52	0.20
c12-DCE	ND	0.16	ND	0.13
METHYLENE CHLORIDE	4.5	0.69	1.8	0.56
PCE	14	0.27	1.2	0.22
TCE	0.30	0.21	0.21	0.17
VC	ND	0.10	ND	0.082

LEGEND

- PROPERTY BOUNDARY
- FENCE
- CATCH BASIN
- UNDERGROUND DRAIN LINE
- SSDS SUCTION POINT
- OVERHEAD 3" PVC PIPING
- UNDERGROUND 6" PERFORATED PVC TRENCH
- HS-5000 FAN
- RP-265 FAN
- SUB-SLAB SAMPLING POINT
- OUTDOOR SAMPLING POINT

12/10/24	SAMPLE DATE
SS-1	SAMPLE ID
SUB-SLAB VAPOR	SAMPLE TYPE
µg/m3	RESULT	MDL	(µg/m3) – RESULT – MDL
1,1,1-TCA	ND	1.1	1,1,1-TRICHLOROETHANE CONCENTRATION (µg/m3)
1,1-DCE	ND	0.79	1,1-DICHLOROETHENE CONCENTRATION (µg/m3)
CARBON TETRACHLORIDE	ND	1.3	CARBON TETRACHLORIDE CONCENTRATION (µg/m3)
c12-DCE	ND	0.79	CIS-1,2-DICHLOROETHENE CONCENTRATION (µg/m3)
METHYLENE CHLORIDE	ND	3.5	METHYLENE CHLORIDE CONCENTRATION (µg/m3)
PCE	12	1.4	TETRACHLOROETHENE CONCENTRATION (µg/m3)
TCE	ND	1.1	TRICHLOROETHENE CONCENTRATION (µg/m3)
VC	ND	0.51	VINYL CHLORIDE CONCENTRATION (µg/m3)

µg/m3 MICROGRAMS PER CUBIC METER

MDL METHOD DETECTION LIMIT

ND NON-DETECT

Constituents of Concern Summary Map
December 10, 2024

Regency Centers
Carmel Shop Rite Center
180 Gleneida Avenue
Carmel, New York

Drawn
M.H.
Designed
P.M.
Approved
M.D.

Date
01/21/25
Figure
4

Scale In Feet
0 20

Groundwater & Environmental Services, Inc.

N:\Graphics\Graphics\1100-Patterson-LHV\Misc\Urstadt Biddle Properties\Carmel\Carmel SM.dwg, B20, 1/21/2025 4:09:38 PM, mhollister

Tables

Table 4
Air Analytical Results
December 2024

Tenant Space Location	178 Route 52 – Europa Pizza				176 Route 52 – Carmel Nails				174 Route 52 – Electric Paradise Tanning						170 Route 52 – Chinatown Restaurant				Outdoors		Regulatory Guidance	
Client Sample ID:	IA-1	SS-1	IA-2	SS-2	IA-3	SS-3	IA-4	SS-4	IA-5	DUP IA	SS-5	DUP SS	IA-6	SS-6	IA-7	SS-7	IA-8	SS-8	OA-1	OA-2	NYSDOH 2006 Soil Vapor Indoor 95th Percentile (1)	NYSDOH 2006 Soil Vapor Intrusion Air Guidance Value (2)
Lab Sample ID:	JE2490-2	JE2490-1	JE2490-4	JE2490-3	JE2491-2	JE2491-1	JE2491-4	JE2491-3	JE2487-2	JE2487-6	JE2487-1	JE2487-5	JE2487-4	JE2487-3	JE2489-2	JE2489-1	JE2489-4	JE2489-3	JE2488-1	JE2488-2		
Date Sampled:	12/10/2024	12/10/2024	12/10/2024	12/10/2024	12/10/2024	12/10/2024	12/10/2024	12/10/2024	12/10/2024	12/10/2024	12/10/2024	12/10/2024	12/10/2024	12/10/2024	12/10/2024	12/10/2024	12/10/2024	12/10/2024	12/10/2024	12/10/2024		
Matrix:	Indoor Air	Soil Vapor	Indoor Air	Soil Vapor	Indoor Air	Soil Vapor	Indoor Air	Soil Vapor	Indoor Air	Indoor Air	Soil Vapor	Soil Vapor	Indoor Air	Soil Vapor	Indoor Air	Soil Vapor	Indoor Air	Soil Vapor	Ambient Air	Ambient Air		
Acetone (2-Propanone)	**1,660** [a]	76.0	**1,260** [a]	74.4	**2,830** [b]	**335**	**5,820** [a]	**178**	**232** [a]	**186** [a]	99.3 [a]	102	**1,310** [a]	40.1	49.9	33.3	32.1	31.1	4.5	11	140	NS
1,3-Butadiene	0.8	ND<(2.2)	1.7	ND<(0.88)	ND<(0.35)	ND<(1.8)	ND<(35)	ND<(0.88)	ND<(0.35)	ND<(0.35)	ND<(0.44)	ND<(0.44)	ND<(0.35)	ND<(1.8)	ND<(0.35)	ND<(0.44)	ND<(0.35)	ND<(0.44)	ND<(0.35)	ND<(0.35)	NS	NS
Benzene	6.4	ND<(3.2)	12	2.7	2.1	ND<(2.6)	ND<(51)	ND<(1.3)	2.3	2.3	1.6	1.5	2.2	ND<(2.6)	1.4	0.83	0.89	0.64	1.2	2.7	29	NS
Bromodichloromethane	ND<(0.54)	ND<(3.3)	0.80	ND<(1.3)	ND<(0.54)	ND<(2.7)	ND<(54)	ND<(1.3)	ND<(0.54)	ND<(0.54)	ND<(0.67)	ND<(0.67)	0.62	ND<(2.7)	ND<(0.54)	ND<(0.67)	ND<(0.54)	ND<(0.67)	ND<(0.54)	ND<(0.54)	NS	NS
Bromoform	ND<(0.33)	ND<(2.1)	ND<(0.33)	ND<(0.83)	ND<(0.33)	ND<(1.7)	ND<(33)	ND<(0.83)	ND<(0.33)	ND<(0.33)	ND<(0.41)	ND<(0.41)	ND<(0.33)	ND<(1.7)	ND<(0.33)	ND<(0.41)	ND<(0.33)	ND<(0.41)	ND<(0.33)	ND<(0.33)	NS	NS
Bromomethane	ND<(0.62)	ND<(3.9)	ND<(0.62)	ND<(1.6)	ND<(0.62)	ND<(3.1)	ND<(62)	ND<(1.6)	ND<(0.62)	ND<(0.62)	ND<(0.78)	ND<(0.78)	ND<(0.62)	ND<(3.1)	ND<(0.62)	ND<(0.78)	ND<(0.62)	ND<(0.78)	ND<(0.62)	ND<(0.62)	0.9	NS
Bromoethene	ND<(0.70)	ND<(4.4)	ND<(0.70)	ND<(1.7)	ND<(0.70)	ND<(3.5)	ND<(70)	ND<(1.7)	ND<(0.70)	ND<(0.70)	ND<(0.87)	ND<(0.87)	ND<(0.70)	ND<(3.5)	ND<(0.70)	ND<(0.87)	ND<(0.70)	ND<(0.87)	ND<(0.70)	ND<(0.70)	NS	NS
Benzyl Chloride	ND<(0.82)	ND<(5.2)	ND<(0.82)	ND<(2.1)	ND<(0.82)	ND<(4.1)	ND<(82)	ND<(2.1)	ND<(0.82)	ND<(0.82)	ND<(1.0)	ND<(1.0)	ND<(0.82)	ND<(4.1)	ND<(0.82)	ND<(1.0)	ND<(0.82)	ND<(1.0)	ND<(0.82)	ND<(0.82)	NS	NS
Carbon disulfide	ND<(0.50)	ND<(3.1)	ND<(0.50)	ND<(1.2)	ND<(0.50)	ND<(2.5)	ND<(50)	ND<(1.2)	ND<(0.50)	ND<(0.50)	ND<(0.62)	ND<(0.62)	ND<(0.50)	ND<(2.5)	ND<(0.50)	ND<(0.62)	ND<(0.50)	ND<(0.62)	ND<(0.50)	ND<(0.50)	NS	NS
Chlorobenzene	ND<(0.74)	ND<(4.6)	ND<(0.74)	ND<(1.8)	ND<(0.74)	ND<(3.7)	ND<(74)	ND<(1.8)	ND<(0.74)	ND<(0.74)	ND<(0.92)	ND<(0.92)	ND<(0.74)	ND<(3.7)	ND<(0.74)	ND<(0.92)	ND<(0.74)	ND<(0.92)	ND<(0.74)	ND<(0.74)	<0.25	NS
Chloroethane	ND<(0.42)	ND<(2.6)	ND<(0.42)	ND<(1.1)	ND<(0.42)	ND<(2.1)	ND<(42)	ND<(1.1)	ND<(0.42)	ND<(0.42)	ND<(0.53)	ND<(0.53)	ND<(0.42)	ND<(2.1)	ND<(0.42)	ND<(0.53)	ND<(0.42)	ND<(0.53)	ND<(0.42)	ND<(0.42)	0.6	NS
Chloroform	**5.4**	ND<(4.9)	**14**	ND<(2.0)	1.8	ND<(3.9)	ND<(78)	ND<(2.0)	ND<(0.78)	ND<(0.78)	ND<(0.98)	ND<(0.98)	3.9	**10**	0.83	ND<(0.98)	ND<(0.78)	ND<(0.98)	ND<(0.78)	ND<(0.78)	4.6	NS
Chloromethane	1.3	ND<(2.1)	1.7	ND<(0.83)	1.4	ND<(1.7)	ND<(33)	ND<(0.83)	0.89	0.87	0.81	ND<(0.41)	0.91	ND<(1.7)	1.1	ND<(0.41)	0.95	ND<(0.41)	1.1	1.3	5.2	NS
3-Chloropropene	ND<(0.50)	ND<(3.1)	ND<(0.50)	ND<(1.3)	ND<(0.50)	ND<(2.5)	ND<(50)	ND<(1.3)	ND<(0.50)	ND<(0.50)	ND<(0.63)	ND<(0.63)	ND<(0.50)	ND<(2.5)	ND<(0.50)	ND<(0.63)	ND<(0.50)	ND<(0.63)	ND<(0.50)	ND<(0.50)	NS	NS
2-Chlorotoluene	ND<(0.83)	ND<(5.2)	ND<(0.83)	ND<(2.1)	ND<(0.83)	ND<(4.1)	ND<(83)	ND<(2.1)	ND<(0.83)	ND<(0.83)	ND<(1.0)	ND<(1.0)	ND<(0.83)	ND<(4.1)	ND<(0.83)	ND<(1.0)	ND<(0.83)	ND<(1.0)	ND<(0.83)	ND<(0.83)	NS	NS
Carbon tetrachloride	0.56	ND<(1.3)	0.57	ND<(0.50)	0.83	ND<(1.0)	ND<(20)	ND<(0.50)	0.58	0.60	0.60	ND<(0.25)	0.75	ND<(1.0)	0.53	ND<(0.25)	0.52	ND<(0.25)	0.53	0.55	1.1	NS
Cyclohexane	ND<(0.55)	ND<(3.4)	ND<(0.55)	ND<(1.4)	ND<(0.55)	ND<(2.8)	ND<(55)	ND<(1.4)	0.62	0.62	ND<(0.69)	ND<(0.69)	ND<(0.55)	ND<(2.8)	ND<(0.55)	ND<(0.69)	ND<(0.55)	ND<(0.69)	ND<(0.55)	0.59	19	NS
1,1-Dichloroethane	ND<(0.65)	ND<(4.0)	ND<(0.65)	ND<(1.6)	ND<(0.65)	ND<(3.2)	ND<(65)	ND<(1.6)	ND<(0.65)	ND<(0.65)	ND<(0.81)	ND<(0.81)	ND<(0.65)	ND<(3.2)	ND<(0.65)	ND<(0.81)	ND<(0.65)	ND<(0.81)	ND<(0.65)	ND<(0.65)	<0.25	NS
1,1-Dichloroethylene	ND<(0.13)	ND<(0.79)	ND<(0.13)	ND<(0.32)	ND<(0.13)	ND<(0.63)	ND<(13)	ND<(0.32)	ND<(0.13)	ND<(0.13)	ND<(0.16)	ND<(0.16)	ND<(0.13)	ND<(0.63)	ND<(0.13)	ND<(0.16)	ND<(0.13)	ND<(0.16)	ND<(0.13)	ND<(0.13)	0.7	NS
1,2-Dibromoethane (EDB)	ND<(0.61)	ND<(3.8)	ND<(0.61)	ND<(1.5)	ND<(0.61)	ND<(3.1)	ND<(61)	ND<(1.5)	ND<(0.61)	ND<(0.61)	ND<(0.77)	ND<(0.77)	ND<(0.61)	ND<(3.1)	ND<(0.61)	ND<(0.77)	ND<(0.61)	ND<(0.77)	ND<(0.61)	ND<(0.61)	<0.25	NS
1,2-Dichloroethane	ND<(0.65)	ND<(4.0)	ND<(0.65)	ND<(1.6)	ND<(0.65)	ND<(3.2)	ND<(65)	ND<(1.6)	ND<(0.65)	ND<(0.65)	ND<(0.81)	ND<(0.81)	ND<(0.65)	ND<(3.2)	ND<(0.65)	ND<(0.81)	ND<(0.65)	ND<(0.81)	ND<(0.65)	ND<(0.65)	<0.25	NS
1,2-Dichloropropane	ND<(0.74)	ND<(4.6)	ND<(0.74)	ND<(1.8)	ND<(0.74)	ND<(3.7)	ND<(74)	ND<(1.8)	ND<(0.74)	ND<(0.74)	ND<(0.92)	ND<(0.92)	ND<(0.74)	ND<(3.7)	ND<(0.74)	ND<(0.92)	ND<(0.74)	ND<(0.92)	ND<(0.74)	ND<(0.74)	<0.25	NS
1,4-Dioxane	ND<(0.58)	ND<(3.6)	ND<(0.58)	ND<(1.4)	ND<(0.58)	ND<(2.9)	ND<(58)	ND<(1.4)	ND<(0.58)	ND<(0.58)	ND<(0.72)	ND<(0.72)	ND<(0.58)	ND<(2.9)	ND<(0.58)	ND<(0.72)	ND<(0.58)	ND<(0.72)	ND<(0.58)	0.58	NS	NS
Dichlorodifluoromethane	2.4	5.9	2.5	15	2.5	ND<(4.0)	ND<(79)	2.4	2.5	2.5	2.6	2.7	2.5	ND<(4.0)	2.5	13	2.6	4.2	2.8	2.9	26	NS
Dibromochloromethane	ND<(0.68)	ND<(4.3)	ND<(0.68)	ND<(1.7)	ND<(0.68)	ND<(3.4)	ND<(68)	ND<(1.7)	ND<(0.68)	ND<(0.68)	ND<(0.85)	ND<(0.85)	ND<(0.68)	ND<(3.4)	ND<(0.68)	ND<(0.85)	ND<(0.68)	ND<(0.85)	ND<(0.68)	ND<(0.68)	NS	NS
trans-1,2-Dichloroethylene	ND<(0.63)	ND<(4.0)	ND<(0.63)	ND<(1.6)	ND<(0.63)	ND<(3.2)	ND<(63)	ND<(1.6)	ND<(0.63)	ND<(0.63)	ND<(0.79)	0.79	ND<(0.63)	ND<(3.2)	ND<(0.63)	ND<(0.79)	ND<(0.63)	ND<(0.79)	ND<(0.63)	ND<(0.63)	NS	NS
cis-1,2-Dichloroethylene	ND<(0.13)	ND<(0.79)	ND<(0.13)	ND<(0.32)	ND<(0.13)	ND<(0.63)	ND<(13)	ND<(0.32)	ND<(0.13)	ND<(0.13)	0.59	0.56	ND<(0.13)	ND<(0.63)	ND<(0.13)	ND<(0.16)	ND<(0.13)	ND<(0.16)	ND<(0.13)	ND<(0.13)	1.2	NS
cis-1,3-Dichloropropene	ND<(0.73)	ND<(4.5)	ND<(0.73)	ND<(1.8)	ND<(0.73)	ND<(3.6)	ND<(73)	ND<(1.8)	ND<(0.73)	ND<(0.73)	ND<(0.91)	ND<(0.91)	ND<(0.73)	ND<(3.6)	ND<(0.73)	ND<(0.91)	ND<(0.73)	ND<(0.91)	ND<(0.73)	ND<(0.73)	<0.25	NS
m-Dichlorobenzene	ND<(0.48)	ND<(3.0)	ND<(0.48)	**1.9**	ND<(0.48)	ND<(2.4)	ND<(48)	ND<(1.2)	ND<(0.48)	ND<(0.48)	**2.5**	**2.7**	ND<(0.48)	ND<(2.4)	ND<(0.48)	**1.7**	ND<(0.48)	**1.1**	ND<(0.48)	ND<(0.48)	0.9	NS
o-Dichlorobenzene	ND<(0.19)	ND<(1.2)	ND<(0.19)	ND<(0.48)	ND<(0.19)	ND<(0.96)	ND<(19)	ND<(0.48)	ND<(0.19)	ND<(0.19)	ND<(0.24)	ND<(0.24)	ND<(0.19)	ND<(0.96)	ND<(0.19)	ND<(0.24)	ND<(0.19)	ND<(0.24)	ND<(0.19)	ND<(0.19)	1	NS
p-Dichlorobenzene	ND<(0.48)	ND<(3.0)	ND<(0.48)	ND<(1.2)	ND<(0.48)	ND<(2.4)	ND<(48)	ND<(1.2)	ND<(0.48)	ND<(0.48)	ND<(0.60)	ND<(0.60)	ND<(0.48)	ND<(2.4)	ND<(0.48)	ND<(0.60)	ND<(0.48)	ND<(0.60)	ND<(0.48)	ND<(0.48)	2.6	NS
trans-1,3-Dichloropropene	ND<(0.73)	ND<(4.5)	ND<(0.73)	ND<(1.8)	ND<(0.73)	ND<(3.6)	ND<(73)	ND<(1.8)	ND<(0.73)	ND<(0.73)	ND<(0.91)	ND<(0.91)	ND<(0.73)	ND<(3.6)	ND<(0.73)	ND<(0.91)	ND<(0.73)	ND<(0.91)	ND<(0.73)	ND<(0.73)	<0.25	NS
Ethanol	5,350 [a]	460	7,610 [a] E	416 E	1,770 [a]	73.9	1,940	330 E	918 [a] E	840 [a] E	563 [a] E	580 [a] E	1,960 [a] E	59.9	999 E	301 E	220 E	294 E	4.3	5.3	NS	NS
Ethylbenzene	ND<(0.69)	ND<(4.3)	ND<(0.69)	ND<(1.7)	ND<(0.69)	ND<(3.5)	ND<(69)	ND<(1.7)	0.87	0.87	ND<(0.87)	ND<(0.87)	ND<(0.69)	ND<(3.5)	ND<(0.69)	ND<(0.87)	ND<(0.69)	ND<(0.87)	ND<(0.69)	ND<(0.69)	13	NS
Ethyl Acetate	153	84.6	89.6	70.5	576 [a]	49.7	461	31	26	18	72.7	12 J	60.5	27	14	24	3.0	16	11	9.4	NS	NS
4-Ethyltoluene	ND<(0.79)	ND<(4.9)	ND<(0.79)	ND<(2.0)	ND<(0.79)	ND<(3.9)	ND<(79)	ND<(2.0)	ND<(0.79)	ND<(0.79)	ND<(0.98)	ND<(0.98)	ND<(0.79)	ND<(3.9)	ND<(0.79)	ND<(0.98)	ND<(0.79)	ND<(0.98)	ND<(0.79)	ND<(0.79)	NS	NS
Freon 113	ND<(0.61)	ND<(3.8)	ND<(0.61)	ND<(1.5)	ND<(0.61)	ND<(3.1)	ND<(61)	ND<(1.5)	0.64	ND<(0.61)	ND<(0.77)	ND<(0.77)	ND<(0.61)	ND<(3.1)	ND<(0.61)	ND<(0.77)	ND<(0.61)	ND<(0.77)	0.65	ND<(0.61)	NS	NS
Freon 114	ND<(0.56)	ND<(3.5)	ND<(0.56)	ND<(1.4)	ND<(0.56)	ND<(2.8)	ND<(56)	ND<(1.4)	ND<(0.56)	ND<(0.56)	ND<(0.70)	ND<(0.70)	ND<(0.56)	ND<(2.8)	ND<(0.56)	ND<(0.70)	ND<(0.56)	ND<(0.70)	ND<(0.56)	ND<(0.56)	NS	NS
Heptane	51.6	ND<(4.1)	11	2.6	64.8	5.7	65.6	3.8	1.8	1.8	1.4	1.5	3.6	ND<(3.3)	1.1	1.4	ND<(0.66)	ND<(0.82)	ND<(0.66)	1.2	NS	NS
Hexachlorobutadiene	ND<(0.77)	ND<(4.8)	ND<(0.77)	ND<(1.9)	ND<(0.77)	ND<(3.8)	ND<(77)	ND<(1.9)	ND<(0.77)	ND<(0.77)	ND<(0.96)	ND<(0.96)	ND<(0.77)	ND<(3.8)	ND<(0.77)	ND<(0.96)	ND<(0.77)	ND<(0.96)	ND<(0.77)	ND<(0.77)	11	NS
Hexane	2.2	ND<(3.5)	3.1	2.4	2.4	ND<(2.8)	ND<(56)	8.5	3.1	2.5	3.9	2.1 J	2.0	ND<(2.8)	1.2	5.6	1.3	3.5	1.5	3.5	NS	NS
2-Hexanone	ND<(0.65)	ND<(4.1)	0.65	ND<(1.6)	0.74	ND<(3.3)	ND<(65)	ND<(1.6)	ND<(0.65)	ND<(0.65)	0.98	0.86	ND<(0.65)	ND<(3.3)	ND<(0.65)	ND<(0.82)	ND<(0.65)	ND<(0.82)	ND<(0.65)	ND<(0.65)	NS	NS
Isopropyl Alcohol	83.3	133	94.9	121	258 [a]	17	253	150	68.3	70.3	175 [a]	183 [a]	261 [a]	17	33.9	120	27.3	133 E	1.0	1.2	NS	NS
Methylene chloride	1.6	ND<(3.5)	1.6	2.5	2.3	ND<(2.8)	ND<(56)	10	2.1	1.7	4.2	2.1 J	1.5	ND<(2.8)	1.6	6.6	1.8	4.5	1.7	2.5	45	60
Methyl ethyl ketone	4.7	6.2	5.0	5.9	4.1	ND<(2.4)	ND<(47)	6.8	2.5	2.0	8.3	8.3	3.8	ND<(2.4)	1.4	6.2	0.91	5.6	ND<(0.47)	0.56	39	NS
Methyl Isobutyl Ketone	ND<(0.66)	ND<(4.1)	ND<(0.66)	ND<(1.6)	ND<(0.66)	ND<(3.3)	ND<(66)	ND<(1.6)	ND<(0.66)	ND<(0.66)	1.1	0.90	ND<(0.66)	ND<(3.3)	ND<(0.66)	ND<(0.82)	ND<(0.66)	ND<(0.82)	ND<(0.66)	ND<(0.66)	5.3	NS
Methyl Tert Butyl Ether	ND<(0.58)	ND<(3.6)	ND<(0.58)	ND<(1.4)	ND<(0.58)	ND<(2.9)	ND<(58)	ND<(1.4)	ND<(0.58)	ND<(0.58)	ND<(0.72)	ND<(0.72)	ND<(0.58)	ND<(2.9)	ND<(0.58)	ND<(0.72)	ND<(0.58)	ND<(0.72)	ND<(0.58)	ND<(0.58)	71	NS
Methylmethacrylate	**176** [a]	**14**	**134** [a]	**6.6**	**3,510** [a]	**156**	**1,800**	**48.3**	**40**	**47.1**	**4.9**	**5.3**	**227** [a]	ND<(3.3)	**7.8**	ND<(0.82)	**4.5**	ND<(0.82)	ND<(0.66)	ND<(0.66)	1.1	NS
Naphthalene	ND<(0.84)	ND<(5.2)	ND<(0.84)	ND<(2.1)	ND<(0.84)	ND<(4.2)	ND<(84)	ND<(2.1)	1.4	ND<(0.84) J	ND<(1.0)	ND<(1.0)	ND<(0.84)	ND<(4.2)	ND<(0.84)	1.1	ND<(0.84)	ND<(1.0)	ND<(0.84)	ND<(0.84)	NS	NS
Propylene	ND<(0.69)	ND<(4.3)	ND<(0.69)	ND<(1.7)	ND<(0.69)	ND<(3.4)	ND<(69)	ND<(1.7)	ND<(0.69)	ND<(0.69)	ND<(0.86)	ND<(0.86)	ND<(0.69)	ND<(3.4)	ND<(0.69)	ND<(0.86)	ND<(0.69)	ND<(0.86)	ND<(0.69)	ND<(0.69)	NS	NS
Styrene	ND<(0.68)	ND<(4.3)	ND<(0.68)	ND<(1.7)	ND<(0.68)	ND<(3.4)	ND<(68)	ND<(1.7)	ND<(0.68)	ND<(0.68)	ND<(0.85)	ND<(0.85)	ND<(0.68)	ND<(3.4)	ND<(0.68)	ND<(0.85)	ND<(0.68)	ND<(0.85)	ND<(0.68)	ND<(0.68)	2.3	NS
1,1,1-Trichloroethane	ND<(0.44)	ND<(2.7)	ND<(0.44)	ND<(1.1)	ND<(0.44)	ND<(2.2)	ND<(44)	ND<(1.1)	ND<(0.44)	ND<(0.44)	ND<(0.55)	ND<(0.55)	ND<(0.44)	ND<(2.2)	ND<(0.44)	ND<(0.55)	ND<(0.44)	ND<(0.55)	ND<(0.44)	ND<(0.44)	6.9	NS
1,1,2,2-Tetrachloroethane	ND<(0.55)	ND<(3.4)	ND<(0.55)	ND<(1.4)	ND<(0.55)	ND<(2.7)	ND<(55)	ND<(1.4)	ND<(0.55)	ND<(0.55)	ND<(0.69)	ND<(0.69)	ND<(0.55)	ND<(2.7)	ND<(0.55)	ND<(0.69)	ND<(0.55)	ND<(0.69)	ND<(0.55)	ND<(0.55)	<0.25	NS
1,1,2-Trichloroethane	ND<(0.44)	ND<(2.7)	ND<(0.44)	ND<(1.1)	ND<(0.44)	ND<(2.2)	ND<(44)	ND<(1.1)	ND<(0.44)	ND<(0.44)	ND<(0.55)	ND<(0.55)	ND<(0.44)	ND<(2.2)	ND<(0.44)	ND<(0.55)	ND<(0.44)	ND<(0.55)	ND<(0.44)	ND<(0.44)	<0.25	NS
1,2,4-Trichlorobenzene	ND<(0.59)	ND<(3.7)	ND<(0.59)	ND<(1.5)	ND<(0.59)	ND<(3.0)	ND<(59)	ND<(1.5)	1.9	ND<(0.59) J	ND<(0.74)	ND<(0.74)	0.89	ND<(3.0)	ND<(0.59)	ND<(0.74)	ND<(0.59)	ND<(0.74)	ND<(0.59)	ND<(0.59)	6.3	NS
1,2,4-Trimethylbenzene	ND<(0.79)	ND<(4.9)	ND<(0.79)	ND<(2.0)	ND<(0.79)	ND<(3.9)	ND<(79)	ND<(2.0)	0.84	0.93	ND<(0.98)	ND<(0.98)	ND<(0.79)	ND<(3.9)	ND<(0.79)	ND<(0.98)	ND<(0.79)	ND<(0.98)	ND<(0.79)	ND<(0.79)	18	NS
1,3,5-Trimethylbenzene	ND<(0.79)	ND<(4.9)	ND<(0.79)	ND<(2.0)	ND<(0.79)	ND<(3.9)	ND<(79)	ND<(2.0)	ND<(0.79)	ND<(0.79)	ND<(0.98)	ND<(0.98)	ND<(0.79)	ND<(3.9)	ND<(0.79)	ND<(0.98)	ND<(0.79)	ND<(0.98)	ND<(0.79)	ND<(0.79)	6.5	NS
2,2,4-Trimethylpentane	ND<(0.75)	ND<(4.7)	0.84	ND<(1.9)	1.0	ND<(3.7)	ND<(75)	ND<(1.9)	1.7	1.6	0.93	ND<(0.93)	1.1	ND<(3.7)	ND<(0.75)	ND<(0.93)	ND<(0.75)	ND<(0.93)	ND<(0.75)	1.9	NS	NS
Tertiary Butyl Alcohol	0.91	15	0.73	19	2.2	ND<(2.4)	ND<(49)	16	2.9	1.8 J	14	15	2.4	3.0	ND<(0.49)	13	ND<(0.49)	13	ND<(0.49)	ND<(0.49)	NS	NS
Tetrachloroethylene	ND<(0.22)	**12**	ND<(0.22)	**26**	0.25	***164***	ND<(22)	**7.5**	0.31	0.22	**12**	**12**	0.75	***1,040***	ND<(0.22)	***84.1***	1.2	**14**	ND<(0.22)	ND<(0.22)	4.1	30
Tetrahydrofuran	0.59	ND<(2.9)	ND<(0.47)	ND<(1.2)	ND<(0.47)	ND<(2.4)	ND<(47)	ND<(1.2)	ND<(0.47)	ND<(0.47)	ND<(0.59)	ND<(0.59)	ND<(0.47)	ND<(2.4)	ND<(0.47)	ND<(0.59)	ND<(0.47)	ND<(0.59)	ND<(0.47)	ND<(0.47)	9.4	NS
Toluene	3.4	ND<(3.8)	3.4	2.8	9.4	ND<(3.0)	ND<(60)	2.1	4.1	3.8	3.3	2.5	4.1	ND<(3.0)	1.1	2.6	2.1	1.7	1.0	2.4	110	NS
Trichloroethylene	ND<(0.17)	ND<(1.1)	ND<(0.17)	ND<(0.43)	ND<(0.17)	ND<(0.86)	ND<(17)	0.50	0.30	ND<(0.17)	***23***	**24**	ND<(0.17)	ND<(0.86)	ND<(0.17)	0.27	0.21	0.30	ND<(0.17)	ND<(0.17)	0.8	2
Trichlorofluoromethane	3.0	**1,360** [a]	3.6	**409**	3.4	**234**	ND<(45)	4.5	2.2	2.2	17	17	2.6	**39**	2.3	**117**	1.6	28	1.6	1.8	30	NS
Vinyl chloride	ND<(0.082)	ND<(0.51)	ND<(0.082)	ND<(0.20)	ND<(0.082)	ND<(0.41)	ND<(8.2)	ND<(0.20)	ND<(0.082)	ND<(0.082)	ND<(0.10)	ND<(0.10)	ND<(0.082)	ND<(0.41)	ND<(0.082)	ND<(0.10)	ND<(0.082)	ND<(0.10)	ND<(0.082)	ND<(0.082)	<0.25	NS
Vinyl Acetate	7.7	12	13	3.5	1.7	ND<(2.8)	ND<(56)	3.3	ND<(0.56)	ND<(0.56)	7.7	3.5 J	ND<(0.56)	ND<(2.8)	ND<(0.56)	3.3	ND<(0.56)	1.8	ND<(0.56)	ND<(0.56)	NS	NS
m,p-Xylene	0.83	ND<(4.3)	0.83	ND<(1.7)	1.6	ND<(3.5)	ND<(69)	ND<(1.7)	2.2	2.3	1.6	1.3	1.5	ND<(3.5)	ND<(0.69)	1.2	ND<(0.69)	ND<(0.87)	ND<(0.69)	1.3	21	NS
o-Xylene	ND<(0.69)	ND<(4.3)	ND<(0.69)	ND<(1.7)	ND<(0.69)	ND<(3.5)	ND<(69)	ND<(1.7)	0.83	0.87	ND<(0.87)	ND<(0.87)	ND<(0.69)	ND<(3.5)	ND<(0.69)	ND<(0.87)	ND<(0.69)	ND<(0.87)	ND<(0.69)	ND<(0.69)	13	NS
Xylenes (total)	1.2	ND<(4.3)	1.2	ND<(1.7)	2.2	ND<(3.5)	ND<(69)	ND<(1.7)	3.0	3.2	2.2	1.8	2.1	ND<(3.5)	ND<(0.69)	1.6	ND<(0.69)	ND<(0.87)	ND<(0.69)	1.8	NS	NS

Notes:
Results and Regulatory Guidance values are expressed in µg/m^3.
- = Not analyzed for that specific compound
µg/m^3 = micrograms per cubic meter
[a] = Result is from Run #2
[b] = Result is from Run #3
E = Indicates value exceeds calibration range
J = Result is less than the laboratory reporting limit but greater than or equal to the method detection limit. Concentration is an approximate value.
ND (ND<#) = Not detected. Concentration is less than the laboratory reporting limit.
NS = No Standard
NYSDOH = New York State Department of Health
BOLD = Results exceed NYSDOH 2006 Soil Vapor Indoor Upper Fence (1) standard
ITALIC = Results exceed NYSDOH 2006 Soil Vapor Intrusion Air Guidance Value (2) standard
(1) Upper fence indoor air values from "Table C1. NYSDOH 2003: Study of Volatile Organic Chemicals in Air of Fuel Oil Heated Homes" published in the NYSDOH Soil Vapor Intrusion Guidance Document, Appendix C" (October 2006, revised September 2013 and August 2015)
(2) NYSDOH Air Guideline Values (AGVs) from "Table 3.1 Air guideline values derived by the NYSDOH" presented in the Final Guidance for evaluating Soil Vapor Intrusion in the State of New York, dated October 2006 ("NYSDOH Vapor Intrusion Guidance Document")

Table 5
Constituents of Concern Summary Comparison
December 2024 (Matrices A, B and C)

Sample ID 178 Route 52 Europa Pizza	SS-1 Sub-Slab Vapor		IA-1 Indoor Air		Matrices Result
(UG/M3)	Result	MDL	Result	MDL	
1,1,1-TRICHLOROETHANE (1,1,1-TCA)	ND	1.1	ND	0.44	NFA
1,1-DICHLOROETHENE (1,1-DCE)	ND	0.79	ND	0.13	NFA
CARBON TETRACHLORIDE	ND	1.3	0.56	0.20	NFA
CIS-1,2-DICHLOROETHENE (c12-DCE)	ND	0.79	ND	0.13	NFA
METHYLENE CHLORIDE	ND	3.5	1.6	0.56	NFA
TETRACHLOROETHENE (PCE)	12	1.4	ND	0.22	NFA
TRICHLOROETHENE (TCE)	ND	1.1	ND	0.17	NFA
VINYL CHLORIDE	ND	0.51	ND	0.082	NFA

Sample ID 178 Route 52 Europa Pizza	SS-2 Sub-Slab Vapor		IA-2 Indoor Air		Matrices Result
(UG/M3)	Result	MDL	Result	MDL	
1,1,1-TRICHLOROETHANE (1,1,1-TCA)	ND	1.1	ND	0.44	NFA
1,1-DICHLOROETHENE (1,1-DCE)	ND	0.32	ND	0.13	NFA
CARBON TETRACHLORIDE	ND	0.50	0.57	0.20	NFA
CIS-1,2-DICHLOROETHENE (c12-DCE)	ND	0.32	ND	0.13	NFA
METHYLENE CHLORIDE	2.5	1.4	1.6	0.56	NFA
TETRACHLOROETHENE (PCE)	26	0.54	ND	0.22	NFA
TRICHLOROETHENE (TCE)	ND	0.43	ND	0.17	NFA
VINYL CHLORIDE	ND	0.20	ND	0.082	NFA

Matrix A
Matrix B
Matrix C
NFA-No Further Action
All Results Are ug/m3
NS-No Sample
NA-Not Applicable

Table 5
Constituents of Concern Summary Comparison
December 2024 (Matrices A, B and C)

Sample ID 176 Route 52 Carmel Nails	SS-3 Sub-Slab Vapor		IA-3 Indoor Air		Matrices Result
(UG/M3)	Result	MDL	Result	MDL	
1,1,1-TRICHLOROETHANE (1,1,1-TCA)	ND	2.2	ND	0.44	NFA
1,1-DICHLOROETHENE (1,1-DCE)	ND	0.63	ND	0.13	NFA
CARBON TETRACHLORIDE	ND	1.0	0.63	0.20	NFA
CIS-1,2-DICHLOROETHENE (c12-DCE)	ND	0.63	ND	0.13	NFA
METHYLENE CHLORIDE	ND	2.8	2.3	5.6	NFA
TETRACHLOROETHENE (PCE)	164	1.1	0.25	0.22	NFA
TRICHLOROETHENE (TCE)	ND	0.86	ND	0.17	NFA
VINYL CHLORIDE	ND	0.41	ND	0.082	NFA

Sample ID 176 Route 52 Carmel Nails	SS-4 Sub-Slab Vapor		IA-4 Indoor Air		Matrices Result
(UG/M3)	Result	MDL	Result	MDL	
1,1,1-TRICHLOROETHANE (1,1,1-TCA)	ND	1.1	ND	44	NFA
1,1-DICHLOROETHENE (1,1-DCE)	ND	0.32	ND	13	NFA
CARBON TETRACHLORIDE	ND	0.50	ND	20	NFA
CIS-1,2-DICHLOROETHENE (c12-DCE)	ND	0.32	ND	13	NFA
METHYLENE CHLORIDE	10	1.4	ND	56	NFA
TETRACHLOROETHENE (PCE)	7.5	0.54	ND	22	NFA
TRICHLOROETHENE (TCE)	0.50	0.43	ND	17	NFA
VINYL CHLORIDE	ND	0.20	ND	56	NFA

Matrix A
Matrix B
Matrix C
NFA-No Further Action
All Results Are ug/m3
NS-No Sample
NA-Not Applicable

Table 5
Constituents of Concern Summary Comparison
December 2024 (Matrices A, B and C)

Sample ID 174 Route 52 Electric Paradise	SS-5 Sub-Slab Vapor		IA-5 Indoor Air		Matrices Result
(UG/M3)	Result	MDL	Result	MDL	
1,1,1-TRICHLOROETHANE (1,1,1-TCA)	ND	0.55	ND	0.44	NFA
1,1-DICHLOROETHENE (1,1-DCE)	ND	0.16	ND	0.13	NFA
CARBON TETRACHLORIDE	0.60	0.25	0.58	0.20	NFA
CIS-1,2-DICHLOROETHENE (c12-DCE)	0.59	0.16	ND	0.13	NFA
METHYLENE CHLORIDE	4.2	0.69	2.1	0.56	NFA
TETRACHLOROETHENE (PCE)	12	0.27	0.31	0.22	NFA
TRICHLOROETHENE (TCE)	23	0.21	0.30	0.17	MONITOR
VINYL CHLORIDE	ND	0.10	ND	0.082	NFA

Sample ID 174 Route 52 Electric Paradise	SS-5 (DUP) Sub-Slab Vapor		IA-5 (DUP) Indoor Air		Matrices Result
(UG/M3)	Result	MDL	Result	MDL	
1,1,1-TRICHLOROETHANE (1,1,1-TCA)	ND	0.55	ND	0.44	NFA
1,1-DICHLOROETHENE (1,1-DCE)	ND	0.16	ND	0.13	NFA
CARBON TETRACHLORIDE	ND	0.25	0.60	0.20	NFA
CIS-1,2-DICHLOROETHENE (c12-DCE)	0.56	0.16	ND	0.13	NFA
METHYLENE CHLORIDE	2.1	0.69	1.7	0.56	NFA
TETRACHLOROETHENE (PCE)	12	0.27	0.22	0.22	NFA
TRICHLOROETHENE (TCE)	24	0.21	ND	0.17	NFA
VINYL CHLORIDE	ND	0.10	ND	0.082	NFA

Sample ID 174 Route 52 Electric Paradise	SS-6 Sub-Slab Vapor		IA-6 Indoor Air		Matrices Result
(UG/M3)	Result	MDL	Result	MDL	
1,1,1-TRICHLOROETHANE (1,1,1-TCA)	ND	2.2	ND	0.44	NFA
1,1-DICHLOROETHENE (1,1-DCE)	ND	0.63	ND	0.13	NFA
CARBON TETRACHLORIDE	ND	1.0	0.75	0.20	NFA
CIS-1,2-DICHLOROETHENE (c12-DCE)	ND	0.63	ND	0.13	NFA
METHYLENE CHLORIDE	ND	2.8	1.5	0.56	NFA
TETRACHLOROETHENE (PCE)	1,040	1.1	0.75	0.22	MITIGATE
TRICHLOROETHENE (TCE)	ND	0.86	ND	0.17	NFA
VINYL CHLORIDE	ND	0.41	ND	0.082	NFA

Matrix A
Matrix B
Matrix C
NFA-No Further Action
All Results Are ug/m3
NS-No Sample
NA-Not Applicable

Table 5
Constituents of Concern Summary Comparison
December 2024 (Matrices A, B and C)

Sample ID 170 Route 52 Chinatown	SS-7 Sub-Slab Vapor		IA-7 Indoor Air		Matrices Result
(UG/M3)	Result	MDL	Result	MDL	
1,1,1-TRICHLOROETHANE (1,1,1-TCA)	ND	0.55	ND	0.44	NFA
1,1-DICHLOROETHENE (1,1-DCE)	ND	0.16	ND	0.13	NFA
CARBON TETRACHLORIDE	ND	0.25	0.53	0.20	NFA
CIS-1,2-DICHLOROETHENE (c12-DCE)	ND	0.16	ND	0.13	NFA
METHYLENE CHLORIDE	6.6	0.69	1.6	0.56	NFA
TETRACHLOROETHENE (PCE)	84.1	0.27	ND	0.22	NFA
TRICHLOROETHENE (TCE)	0.27	0.21	ND	0.17	NFA
VINYL CHLORIDE	ND	0.10	ND	0.082	NFA

Sample ID 170 Route 52 Chinatown	SS-8 Sub-Slab Vapor		IA-8 Indoor Air		Matrices Result
(UG/M3)	Result	MDL	Result	MDL	
1,1,1-TRICHLOROETHANE (1,1,1-TCA)	ND	0.55	ND	0.44	NFA
1,1-DICHLOROETHENE (1,1-DCE)	ND	0.16	ND	0.65	NFA
CARBON TETRACHLORIDE	ND	0.25	0.52	0.20	NFA
CIS-1,2-DICHLOROETHENE (c12-DCE)	ND	0.16	ND	0.13	NFA
METHYLENE CHLORIDE	4.5	0.69	1.8	0.56	NFA
TETRACHLOROETHENE (PCE)	14	0.27	1.2	0.22	NFA
TRICHLOROETHENE (TCE)	0.30	0.21	0.21	0.17	NFA
VINYL CHLORIDE	ND	0.10	ND	0.082	NFA

Matrix A
Matrix B
Matrix C
NFA-No Further Action
All Results Are ug/m3
NS-No Sample
NA-Not Applicable

Table 5
Constituents of Concern Summary Comparison
December 2024 (Matrices A, B and C)

Sample ID	OA1 Outdoor Air		OA2 Outdoor Air		Matrices Result
(UG/M3)	Result	MDL	Result	MDL	
1,1,1-TRICHLOROETHANE (1,1,1-TCA)	ND	0.44	ND	0.44	NA
1,1-DICHLOROETHENE (1,1-DCE)	ND	0.13	ND	0.13	NA
CARBON TETRACHLORIDE	0.53	0.20	0.55	0.20	NA
CIS-1,2-DICHLOROETHENE (c12-DCE)	ND	0.13	ND	0.13	NA
METHYLENE CHLORIDE	1.7	0.56	2.5	0.56	NA
TETRACHLOROETHENE (PCE)	ND	0.22	ND	0.22	NA
TRICHLOROETHENE (TCE)	ND	0.17	ND	0.17	NA
VINYL CHLORIDE	ND	0.082	ND	0.082	NA

Matrix A
Matrix B
Matrix C
NFA-No Further Action
All Results Are ug/m3
NS-No Sample
NA-Not Applicable

Table 6
Constituents of Concern Summary Comparison
December 2024 (Matrices D, E and F)

Sample ID 178 Route 52 Europa Pizza	SS-1 Sub-Slab Vapor		IA-1 Indoor Air		Matrices Result
(UG/M3)	Result	MDL	Result	MDL	
BENZENE	ND	3.2	6.4	0.51	NFA
CYCLOHEXANE	ND	3.4	ND	0.55	NFA
ETHYLBENZENE	ND	4.3	ND	0.69	NFA
HEPTANE	ND	4.1	51.6	0.66	IDENTIFY SOURCE, RESAMPLE OR MITIGATE
HEXANE	ND	3.5	2.2	0.56	NFA
NAPHTHALENE	ND	5.2	ND	0.84	NFA
1,2,4-TRIMETHYLBENZENE	ND	4.9	ND	0.79	NFA
1,3,5-TRIMETHYLBENZENE	ND	4.9	ND	0.79	NFA
2,2,4-TRIMETHYLPENTANE	ND	4.7	ND	0.75	NFA
TOLUENE	ND	3.8	3.4	0.60	NFA
M,P-XYLENE	ND	4.3	0.83	0.69	NFA
O-XYLENE	ND	4.3	ND	0.69	NFA

Sample ID 178 Route 52 Europa Pizza	SS-2 Sub-Slab Vapor		IA-2 Indoor Air		Matrices Result
(UG/M3)	Result	MDL	Result	MDL	
BENZENE	2.7	1.3	12	0.51	IDENTIFY SOURCE, RESAMPLE OR MITIGATE
CYCLOHEXANE	ND	1.4	ND	0.55	NFA
ETHYLBENZENE	ND	1.7	ND	0.69	NFA
HEPTANE	2.6	1.6	11	0.66	NFA
HEXANE	2.4	1.4	3.1	0.56	NFA
NAPHTHALENE	ND	2.1	ND	0.84	NFA
1,2,4-TRIMETHYLBENZENE	ND	2.0	ND	0.79	NFA
1,3,5-TRIMETHYLBENZENE	ND	2.0	ND	0.79	NFA
2,2,4-TRIMETHYLPENTANE	ND	1.9	0.84	0.75	NFA
TOLUENE	2.8	1.5	3.4	0.60	NFA
M,P-XYLENE	ND	1.7	0.83	0.69	NFA
O-XYLENE	ND	1.7	ND	0.69	NFA

Matrix D
Matrix E
Matrix F
NFA-No Further Action
All Results Are ug/m3
NS-No Sample
NA-Not Applicable

Table 6
Constituents of Concern Summary Comparison
December 2024 (Matrices D, E and F)

Sample ID 176 Route 52 Carmel Nails	SS-3 Sub-Slab Vapor		IA-3 Indoor Air		Matrices Result
(UG/M3)	Result	MDL	Result	MDL	
BENZENE	ND	2.6	2.1	0.51	NFA
CYCLOHEXANE	ND	2.8	ND	0.55	NFA
ETHYLBENZENE	ND	3.5	ND	0.69	NFA
HEPTANE	5.7	3.3	64.8	0.66	IDENTIFY SOURCE, RESAMPLE OR MITIGATE
HEXANE	ND	2.8	2.4	0.56	NFA
NAPHTHALENE	ND	4.2	ND	0.84	NFA
1,2,4-TRIMETHYLBENZENE	ND	3.9	ND	0.79	NFA
1,3,5-TRIMETHYLBENZENE	ND	3.9	ND	0.79	NFA
2,2,4-TRIMETHYLPENTANE	ND	3.7	1.0	0.75	NFA
TOLUENE	ND	3.0	9.4	0.60	NFA
M,P-XYLENE	ND	3.5	1.6	0.69	NFA
O-XYLENE	ND	3.5	ND	0.69	NFA

Sample ID 176 Route 52 Carmel Nails	SS-4 Sub-Slab Vapor		IA-4 Indoor Air		Matrices Result
(UG/M3)	Result	MDL	Result	MDL	
BENZENE	ND	1.3	ND	51	NFA
CYCLOHEXANE	ND	1.4	ND	55	NFA
ETHYLBENZENE	ND	1.7	ND	69	NFA
HEPTANE	3.8	1.6	65.6	66	IDENTIFY SOURCE, RESAMPLE OR MITIGATE
HEXANE	8.5	1.4	ND	56	NFA
NAPHTHALENE	ND	2.1	ND	84	NFA
1,2,4-TRIMETHYLBENZENE	ND	2.0	ND	79	NFA
1,3,5-TRIMETHYLBENZENE	ND	2.0	ND	79	NFA
2,2,4-TRIMETHYLPENTANE	ND	1.9	ND	75	NFA
TOLUENE	2.1	1.5	ND	60	NFA
M,P-XYLENE	ND	1.7	ND	69	NFA
O-XYLENE	ND	1.7	ND	69	NFA

Matrix D
Matrix E
Matrix F
NFA-No Further Action
All Results Are ug/m3
NS-No Sample
NA-Not Applicable

Table 6
Constituents of Concern Summary Comparison
December 2024 (Matrices D, E and F)

Sample ID 174 Route 52 Electric Paradise	SS-5 Sub-Slab Vapor		IA-5 Indoor Air		Matrices Result
(UG/M3)	Result	MDL	Result	MDL	
BENZENE	1.6	0.64	2.3	0.51	NFA
CYCLOHEXANE	ND	0.69	0.62	0.55	NFA
ETHYLBENZENE	ND	0.9	0.87	0.69	NFA
HEPTANE	1.4	0.82	1.8	0.66	NFA
HEXANE	3.9	0.70	3.1	0.56	NFA
NAPHTHALENE	ND	1.0	1.4	0.84	NFA
1,2,4-TRIMETHYLBENZENE	ND	0.98	0.84	0.79	NFA
1,3,5-TRIMETHYLBENZENE	ND	0.98	ND	0.79	NFA
2,2,4-TRIMETHYLPENTANE	0.93	0.9	1.7	0.75	NFA
TOLUENE	3.3	0.75	4.1	0.60	NFA
M,P-XYLENE	1.6	0.9	2.2	0.69	NFA
O-XYLENE	ND	0.87	0.83	0.69	NFA

Sample ID 174 Route 52 Electric Paradise	SS-5 (DUP) Sub-Slab Vapor		IA-5 (DUP) Indoor Air		Matrices Result
(UG/M3)	Result	MDL	Result	MDL	
BENZENE	1.5	0.64	2.3	0.51	NFA
CYCLOHEXANE	ND	0.69	0.62	0.55	NFA
ETHYLBENZENE	ND	0.87	0.87	0.69	NFA
HEPTANE	1.5	0.82	1.8	0.66	NFA
HEXANE	2.1	0.70	2.5	0.56	NFA
NAPHTHALENE	ND	1.0	ND	0.84	NFA
1,2,4-TRIMETHYLBENZENE	ND	0.98	0.93	0.79	NFA
1,3,5-TRIMETHYLBENZENE	ND	0.98	ND	0.79	NFA
2,2,4-TRIMETHYLPENTANE	ND	0.93	1.6	0.75	NFA
TOLUENE	2.5	0.75	3.8	0.60	NFA
M,P-XYLENE	1.3	0.87	2.3	0.69	NFA
O-XYLENE	ND	0.87	0.87	0.69	NFA

Sample ID 174 Route 52 Electric Paradise	SS-6 Sub-Slab Vapor		IA-6 Indoor Air		Matrices Result
(UG/M3)	Result	MDL	Result	MDL	
BENZENE	ND	2.6	2.2	0.51	NFA
CYCLOHEXANE	ND	2.8	ND	0.55	NFA
ETHYLBENZENE	ND	3.5	ND	0.69	NFA
HEPTANE	ND	3.3	3.6	0.66	NFA
HEXANE	ND	2.8	2.0	0.56	NFA
NAPHTHALENE	ND	4.2	ND	0.84	NFA
1,2,4-TRIMETHYLBENZENE	ND	3.9	ND	0.79	NFA
1,3,5-TRIMETHYLBENZENE	ND	3.9	ND	0.79	NFA
2,2,4-TRIMETHYLPENTANE	ND	3.7	1.1	0.75	NFA
TOLUENE	ND	3.0	4.1	0.60	NFA
M,P-XYLENE	ND	3.5	1.5	0.69	NFA
O-XYLENE	ND	3.5	ND	0.69	NFA

Matrix D
Matrix E
Matrix F
NFA-No Further Action
All Results Are ug/m3
NS-No Sample
NA-Not Applicable

Table 6
Constituents of Concern Summary Comparison
December 2024 (Matrices D, E and F)

Sample ID 170 Route 52 Chinatown	SS-7 Sub-Slab Vapor		IA-7 Indoor Air		Matrices Result
(UG/M3)	Result	MDL	Result	MDL	
BENZENE	0.83	0.64	1.4	0.51	NFA
CYCLOHEXANE	ND	0.69	ND	0.55	NFA
ETHYLBENZENE	ND	0.87	ND	0.69	NFA
HEPTANE	1.4	0.82	1.1	0.66	NFA
HEXANE	5.6	0.70	1.2	0.56	NFA
NAPHTHALENE	1.1	1.0	ND	0.84	NFA
1,2,4-TRIMETHYLBENZENE	ND	0.98	ND	0.79	NFA
1,3,5-TRIMETHYLBENZENE	ND	0.98	ND	0.79	NFA
2,2,4-TRIMETHYLPENTANE	ND	0.93	ND	0.75	NFA
TOLUENE	2.6	0.75	1.1	0.60	NFA
M,P-XYLENE	1.2	0.87	ND	0.69	NFA
O-XYLENE	ND	0.87	ND	0.69	NFA

Sample ID 170 Route 52 Chinatown	SS-8 Sub-Slab Vapor		IA-8 Indoor Air		Matrices Result
(UG/M3)	Result	MDL	Result	MDL	
BENZENE	0.64	0.64	0.89	0.51	NFA
CYCLOHEXANE	ND	0.69	ND	0.55	NFA
ETHYLBENZENE	ND	0.87	ND	0.69	NFA
HEPTANE	ND	0.82	ND	0.66	NFA
HEXANE	3.5	0.70	1.3	0.56	NFA
NAPHTHALENE	ND	1.0	ND	0.84	NFA
1,2,4-TRIMETHYLBENZENE	ND	0.98	ND	0.79	NFA
1,3,5-TRIMETHYLBENZENE	ND	0.98	ND	0.79	NFA
2,2,4-TRIMETHYLPENTANE	ND	0.93	ND	0.75	NFA
TOLUENE	1.7	0.75	2.1	0.60	NFA
M,P-XYLENE	ND	0.87	ND	0.69	NFA
O-XYLENE	ND	0.87	ND	0.69	NFA

Matrix D
Matrix E
Matrix F
NFA-No Further Action
All Results Are ug/m3
NS-No Sample
NA-Not Applicable

Table 6
Constituents of Concern Summary Comparison
December 2024 (Matrices D, E and F)

Sample ID	OA1 Outdoor Air		OA2 Outdoor Air		Matrices Result
(UG/M3)	Result	MDL	Result	MDL	
BENZENE	1.2	0.51	2.7	0.51	NA
CYCLOHEXANE	ND	0.55	0.59	0.55	NA
ETHYLBENZENE	ND	0.69	ND	0.69	NA
HEPTANE	ND	0.66	1.2	0.66	NA
HEXANE	1.5	0.56	3.5	0.56	NA
NAPHTHALENE	ND	0.84	ND	0.84	NA
1,2,4-TRIMETHYLBENZENE	ND	0.79	ND	0.79	NA
1,3,5-TRIMETHYLBENZENE	ND	0.79	ND	0.79	NA
2,2,4-TRIMETHYLPENTANE	ND	0.75	1.9	0.75	NA
TOLUENE	1.0	0.60	2.4	0.60	NA
M,P-XYLENE	ND	0.69	1.3	0.69	NA
O-XYLENE	ND	0.69	ND	0.69	NA

Matrix D
Matrix E
Matrix F
NFA-No Further Action
All Results Are ug/m3
NS-No Sample
NA-Not Applicable

Appendix A – NYSDOH Indoor Air Quality Questionnaire and Building Inventory Forms

NEW YORK STATE DEPARTMENT OF HEALTH
INDOOR AIR QUALITY QUESTIONNAIRE AND BUILDING
INVENTORY CENTER FOR ENVIRONMENTAL HEALTH

This form must be completed for each residence involved in indoor air testing.

Preparer's Name: Liam Maher Date/Time Prepared: 12/09/2024 / 13:00

Preparer's Affiliation: GES Phone No.: 866-839-5195

Purpose of Investigation: Indoor air test

1. OCCUPANT:

Interviewed: Y ✔ / N

Last Name: Na First Name: Na

Address: 178 Route 52 – Europa Pizza

County: Putnam

Home Phone: Office Phone:

Number of Occupants/persons at this location 3 Age of Occupants 30

2. OWNER OR LANDLORD: (Check if same as occupant)

Interviewed: Y / N ✔

Last Name: First Name:

Address:

County:

Home Phone: Office Phone:

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

Residential	School	Commercial/Multi-use ✔
Industrial	Church	Other:

If the property is residential, type? (Circle appropriate response)

Ranch	2-Family	3-Family
Raised Ranch	Split Level	Colonial
Cape Cod	Contemporary	Mobile Home
Duplex	Apartment House	Townhouses/Condos
Modular	Log Home	Other:_____

If multiple units, how many? ___

If the property is commercial, type?

Business Type(s) Restaurant

Does it include residences (i.e., multi-use)? Y / N ✔ If yes, how many? ___

Other characteristics:

Number of floors 1 Building age 42

Is the building insulated? Y ✔ / N

How air tight? Tight / Average ✔ / Not Tight

4. AIRFLOW

Use air current tubes or tracer smoke to evaluate airflow patterns and qualitatively describe:

Airflow between floors
Na

Airflow near source
Na

Outdoor air infiltration
Through front/rear doors

Infiltration into air ducts
Na

5. BASEMENT AND CONSTRUCTION CHARACTERISTICS (Circle all that apply)

a. Above grade construction:	wood frame	concrete ✔	stone	brick
b. Basement type:	full	crawlspace	slab	other Na
c. Basement floor:	concrete	dirt	stone	other Na
d. Basement floor:	uncovered	covered	covered with Na	
e. Concrete floor:	unsealed	sealed	sealed with Unknown	
f. Foundation walls:	poured	block ✔	Stone _	other _
g. Foundation walls:	unsealed	sealed ✔	sealed with _Paint_	
h. The basement is:	wet	damp	dry	moldy
i. The basement is:	finished	unfinished	partially finished	
j. Sump present?	Y / N ✔			
k. Water in sump?	Y / N / not applicable			

Basement/Lowest level depth below grade: ___(feet)

Identify potential soil vapor entry points and approximate size (e.g., cracks, utility ports, drains)

None observed.

6. HEATING, VENTING and AIR CONDITIONING (Circle all that apply)

Type of heating system(s) used in this building: (circle all that apply – note primary) Primary: Na

Hot air circulation ✔	Heat pump	Hot water baseboard	
Space Heaters	Stream radiation	Radiant floor	
Electric baseboard	Wood stove	Outdoor wood boiler	Other

The primary type of fuel used is:

Natural Gas ✔	Fuel Oil	Kerosene
Electric	Propane	Solar
Wood	Coal	

Domestic hot water tank fueled by: Gas

Boiler/furnace located in: Basement / Outdoors / Main Floor / Other Separate room

Air conditioning: Central Air ✔ / Window units / Open Windows / None

Are there air distribution ducts present? Y ✔ / N

Describe the supply and cold air return ductwork, and its condition where visible, including whether there is a cold air return and the tightness of duct joints. Indicate the locations on the floor plan diagram.

Good

---

7. OCCUPANCY

Is basement/lowest level occupied? Full-time / Occasionally / Seldom / Almost Never

Level	**General Use of Each Floor (e.g., family room, bedroom, laundry, workshop, storage)**
Basement	Na
1st Floor	Restaurant
2nd Floor	Na
3rd Floor	Na
4th Floor	Na

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

a. Is there an attached garage?	Y / N ✔
b. Does the garage have a separate heating unit?	Y / N ✔ / NA
c. Are petroleum-powered machines or vehicles stored in the garage (e.g., lawnmower, atv, car)	Y / N ✔ / NA Please specify: ___
d. Has the building ever had a fire?	Y / N ✔ When? ___
e. Is a kerosene or unvented gas space heater present?	Y / N ✔ Where? ___
f. Is there a workshop or hobby/craft area?	Y / N ✔ Where & Type? __ – ___
g. Is there smoking in the building?	Y / N ✔ How frequently? ___
h. Have cleaning products been used recently?	Y ✔ / N When & Type? Daily – General cleaning supplies
i. Have cosmetic products been used recently?	Y / N ✔ When & Type? __ – __

j. Has painting/staining been done in the last 6 months? Y / N ✔
Where & When? –

k. Is there new carpet, drapes or other textiles? Y / N ✔
Where & When? –

l. Have air fresheners been used recently? Y / N ✔
When & Type? –

m. Is there a kitchen exhaust fan? Y ✔ / N
If yes, where vented? Roof

n. Is there a bathroom exhaust fan? Y / N ✔
If yes, where vented?

o. Is there a clothes dryer? Y / N ✔
If yes, is it vented outside? Y / N

p. Has there been a pesticide application? Y / N ✔
When & Type? –

Are there odors in the building? Y / N ✔

If yes, please describe: _____

Do any of the building occupants use solvents at work? Y / N ✔
(e.g., chemical manufacturing or laboratory, auto mechanic or auto body shop, painting, fuel oil delivery, boiler mechanic, pesticide application, cosmetologist

If yes, what types of solvents are used? _____

If yes, are their clothes washed at work? Y / N

Do any of the building occupants regularly use or work at a dry-cleaning service? (Circle appropriate response)

Yes, use dry-cleaning regularly (weekly) — No
Yes, use dry-cleaning infrequently (monthly or less) — Unknown
✔ Yes, work at a dry-cleaning service

Is there a radon mitigation system for the building/structure? Y ✔ / N Date of Installation: 2007
Is the system active or passive? Active ✔ / Passive

9. WATER AND SEWAGE

Water Supply: Public Water ✔ Drilled Well Driven Well Dug Well Other: _____

Sewage Disposal: Public Sewer ✔ Septic Tank Leach Field Dry Well Other: _____

10. RELOCATION INFORMATION (for oil spill residential emergency)

a. Provide reasons why relocation is recommended: _____

b. Residents choose to: remain in home / relocate to friends/family / relocate to hotel/motel

c. Responsibility for costs associated with reimbursement explained? Y / N

d. Relocation package provided and explained to residents? Y / N

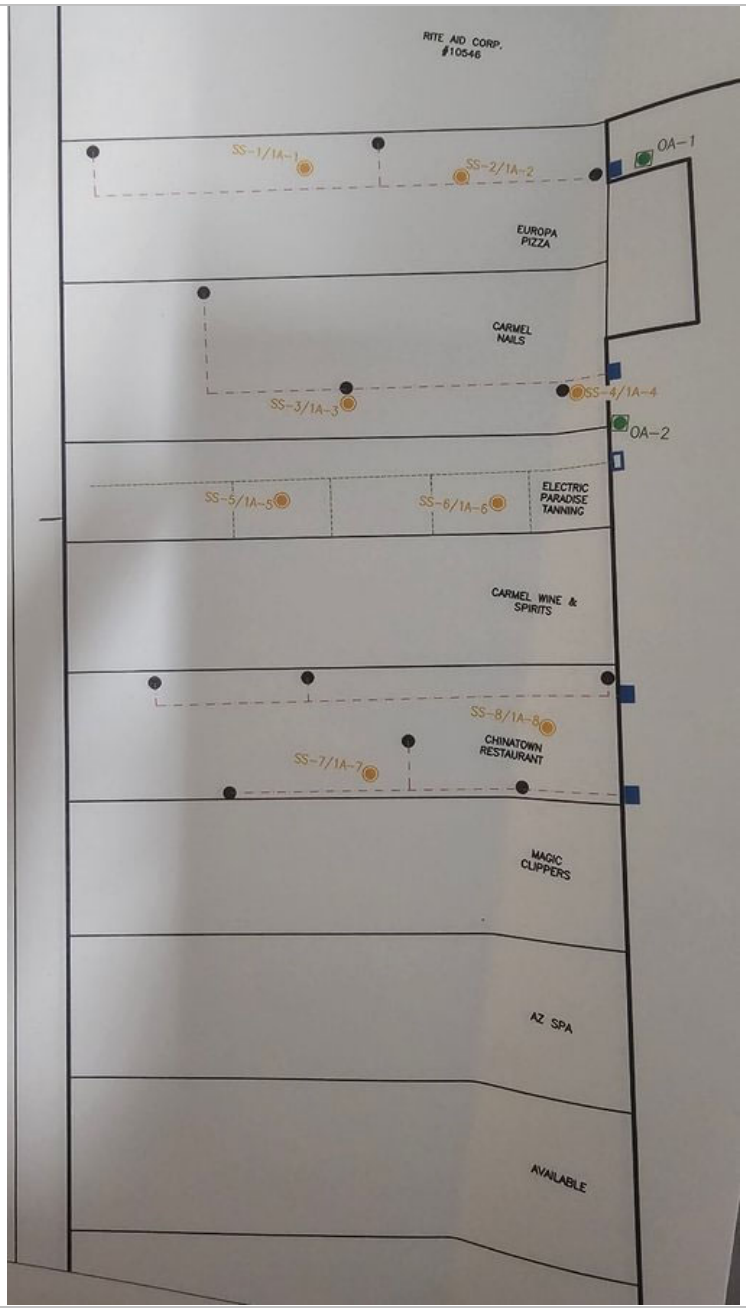
11. FLOOR PLANS

Draw a plan view sketch of the basement and first floor of the building. Indicate air sampling locations, possible indoor air pollution sources and PID meter readings. If the building does not have a basement, please note.

Basement:

Na

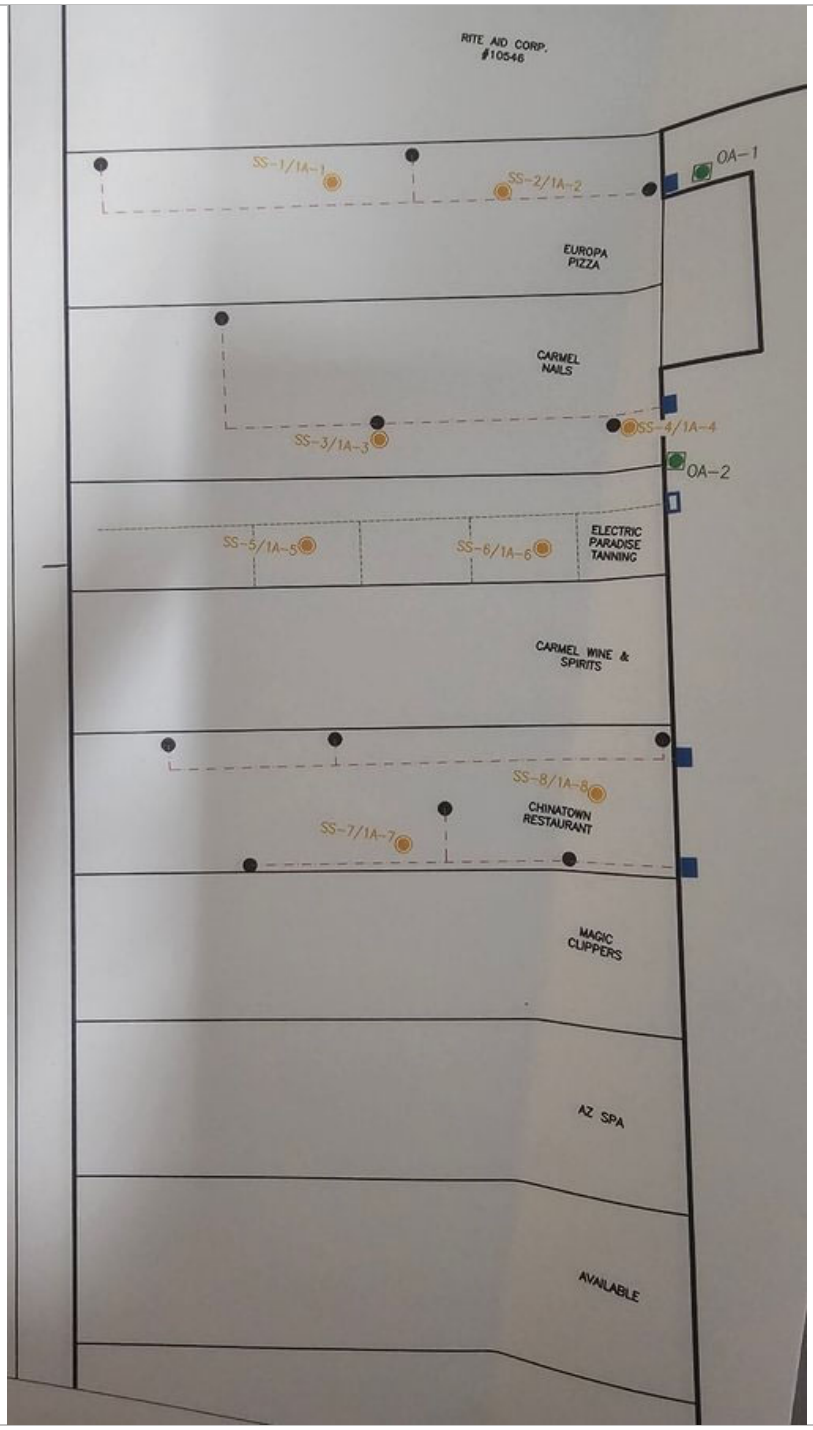
First Floor:


RITE AID CORP.
#10546
SS-1/1A-1
SS-2/1A-2
OA-1
EUROPA PIZZA
CARMEL NAILS
SS-3/1A-3
SS-4/1A-4
OA-2
SS-5/1A-5
SS-6/1A-6
ELECTRIC PARADISE TANNING
CARMEL WINE & SPIRITS
SS-8/1A-8
CHINATOWN RESTAURANT
SS-7/1A-7
MAGIC CLIPPERS
AZ SPA
AVAILABLE

12. OUTDOOR PLOT

Draw a sketch of the area surrounding the building being sampled. If applicable, provide information on spill locations, potential air contamination sources (industries, gas stations, repair shops, landfills, etc.), outdoor air sampling location(s) and PID meter readings.

Also indicate compass direction, wind direction and speed during sampling, the locations of the well and septic system, if applicable, and a qualifying statement to help locate the site on a topographic map.



13. PRODUCT INVENTORY FORM

Make & Model of field instrument used: PID-ppbRAE 3000 10.6eV PGM-7340

List specific products found in the residence that have the potential to affect indoor air quality.

Location	**Product Description**	**Size (units)**	**Condition***	**Chemical Ingredients**	**Field Instrument Reading (units)**	**Photo ** Y / N**
Kitchen	Green Dishwashing Liquid	1 gallon	Open	Typical = sodium lauryl ether sulfate; ammonium lauryl ether; dodecyl benzene sulfonic acid, alkyl polyglycolide; sodium hydroxide	35 ppb	Y
Kitchen	Blow Off Duster	6 oz	Open	1,1,1,2-Tetrafluoroethane	0 ppb	Y

* Describe the condition of the product containers as **Unopened (UO), Used (U),** or **Deteriorated (D)**
** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

OSR – 3

NEW YORK STATE DEPARTMENT OF HEALTH
INDOOR AIR QUALITY QUESTIONNAIRE AND BUILDING INVENTORY
CENTER FOR ENVIRONMENTAL HEALTH

This form must be completed for each residence involved in indoor air testing.

Preparer's Name: Liam Maher Date/Time Prepared: 12/09/2024 / 11:00

Preparer's Affiliation: GES Phone No.: 8668395195

Purpose of Investigation: Indoor air test

1. OCCUPANT:

Interviewed: Y ✔ / N

Last Name: _____ First Name: _____

Address: 176 Route 52 – Carmel Nails

County: Putnam

Home Phone: _____ Office Phone: ___

Number of Occupants/persons at this location 5 Age of Occupants 30

2. OWNER OR LANDLORD: (Check if same as occupant)

Interviewed: Y / N ✔

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: ___ Office Phone: ___

BUILDING CHARACTERISTICS

If the property is commercial, type?

Business Type(s) Nail salon

Does it include residences (i.e., multi-use)? Y / N ✔ If yes, how many? ___

Other characteristics:

Number of floors 1 floor at grade Building age 42

Is the building insulated? Y ✔ / N

How air tight? Tight / Average ✔ / Not Tight

3. AIRFLOW

Use air current tubes or tracer smoke to evaluate airflow patterns and qualitatively describe:

Airflow between floors

Na

Airflow near source

Na

Outdoor air infiltration

Na

Infiltration into air ducts

Na

4. BASEMENT AND CONSTRUCTION CHARACTERISTICS (Circle all that apply)

a. Above grade construction:	wood frame	concrete ✔	stone	brick
b. Basement type:	full	crawlspace	slab	other _____
c. Basement floor:	concrete	dirt	stone	other _____
d. Basement floor:	uncovered	covered	covered with _ _____	
e. Concrete floor:	unsealed	sealed	sealed with _ _____	
f. Foundation walls:	poured	block ✔	Stone _ _____	other _
g. Foundation walls:	unsealed	sealed ✔	sealed with _Paint_ _____	
h. The basement is:	wet	damp	dry	moldy
i. The basement is:	finished	unfinished	partially finished	
j. Sump present?	Y / N ✔			
k. Water in sump?	Y / N / not applicable			

Basement/Lowest level depth below grade: ___(feet)

Identify potential soil vapor entry points and approximate size (e.g., cracks, utility ports, drains)

None observed

5. HEATING, VENTING and AIR CONDITIONING (Circle all that apply)

Type of heating system(s) used in this building: (circle all that apply – note primary) Primary: Na

Hot air circulation ✔	Heat pump	Hot water baseboard	
Space Heaters	Stream radiation	Radiant floor	
Electric baseboard	Wood stove	Outdoor wood boiler	Other _____

The primary type of fuel used is:

Natural Gas ✔	Fuel Oil	Kerosene
Electric	Propane	Solar
Wood	Coal	

Domestic hot water tank fueled by: Gas

Boiler/furnace located in: Basement / Outdoors / Main Floor / Other Separate room

Air conditioning: Central Air ✔ / Window units / Open Windows / None

Are there air distribution ducts present? Y ✔ / N

Describe the supply and cold air return ductwork, and its condition where visible, including whether there is a cold air return and the tightness of duct joints. Indicate the locations on the floor plan diagram.

Good condition

6. OCCUPANCY

Is basement/lowest level occupied? Full-time / Occasionally / Seldom / Almost Never

Level	**General Use of Each Floor (e.g., family room, bedroom, laundry, workshop, storage)**
Basement	Na
1st Floor	Nail salon
2nd Floor	Na
3rd Floor	Na
4th Floor	Na

7. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

a. Is there an attached garage?	Y / N ✔
b. Does the garage have a separate heating unit?	Y / N / NA ✔
c. Are petroleum-powered machines or vehicles stored in the garage (e.g., lawnmower, atv, car)	Y / N / NA ✔ Please specify: ___
d. Has the building ever had a fire?	Y / N ✔ When? ___
e. Is a kerosene or unvented gas space heater present?	Y / N ✔ Where? ___
f. Is there a workshop or hobby/craft area?	Y / N ✔ Where & Type? ___
g. Is there smoking in the building?	Y / N ✔ How frequently? ___
h. Have cleaning products been used recently?	Y ✔ / N When & Type? Daily – General cleaning
i. Have cosmetic products been used recently?	Y ✔ / N When & Type? Daily – Nail polish, acetone

j. Has painting/staining been done in the last 6 months? Y / N ✔
Where & When? –

k. Is there new carpet, drapes or other textiles? Y / N ✔
Where & When? –

l. Have air fresheners been used recently? Y / N ✔
When & Type? –

m. Is there a kitchen exhaust fan? Y / N ✔
If yes, where vented?

n. Is there a bathroom exhaust fan? Y / N ✔
If yes, where vented?

o. Is there a clothes dryer? Y / N ✔
If yes, is it vented outside? Y / N

p. Has there been a pesticide application? Y / N ✔
When & Type? –

Are there odors in the building? Y ✔ / N

If yes, please describe: Nail salon smell, nail polish, acetone, background reading 2005ppb

Do any of the building occupants use solvents at work? Y ✔ / N
(e.g., chemical manufacturing or laboratory, auto mechanic or auto body shop, painting, fuel oil delivery, boiler mechanic, pesticide application, cosmetologist

If yes, what types of solvents are used? Acetone, other nail salon type products

If yes, are their clothes washed at work? Y / N ✔

Do any of the building occupants regularly use or work at a dry-cleaning service? (Circle appropriate response)

Yes, use dry-cleaning regularly (weekly) — No
Yes, use dry-cleaning infrequently (monthly or less) — Unknown
✔ Yes, work at a dry-cleaning service

Is there a radon mitigation system for the building/structure? Y ✔ / N Date of Installation: 2007
Is the system active or passive? Active ✔ / Passive

8. WATER AND SEWAGE

Water Supply: Public Water ✔ Drilled Well Driven Well Dug Well Other: _____

Sewage Disposal: Public Sewer ✔ Septic Tank Leach Field Dry Well Other: _____

9. RELOCATION INFORMATION (for oil spill residential emergency)

a. Provide reasons why relocation is recommended: _____

b. Residents choose to: remain in home / relocate to friends/family / relocate to hotel/motel

c. Responsibility for costs associated with reimbursement explained? Y / N

d. Relocation package provided and explained to residents? Y / N

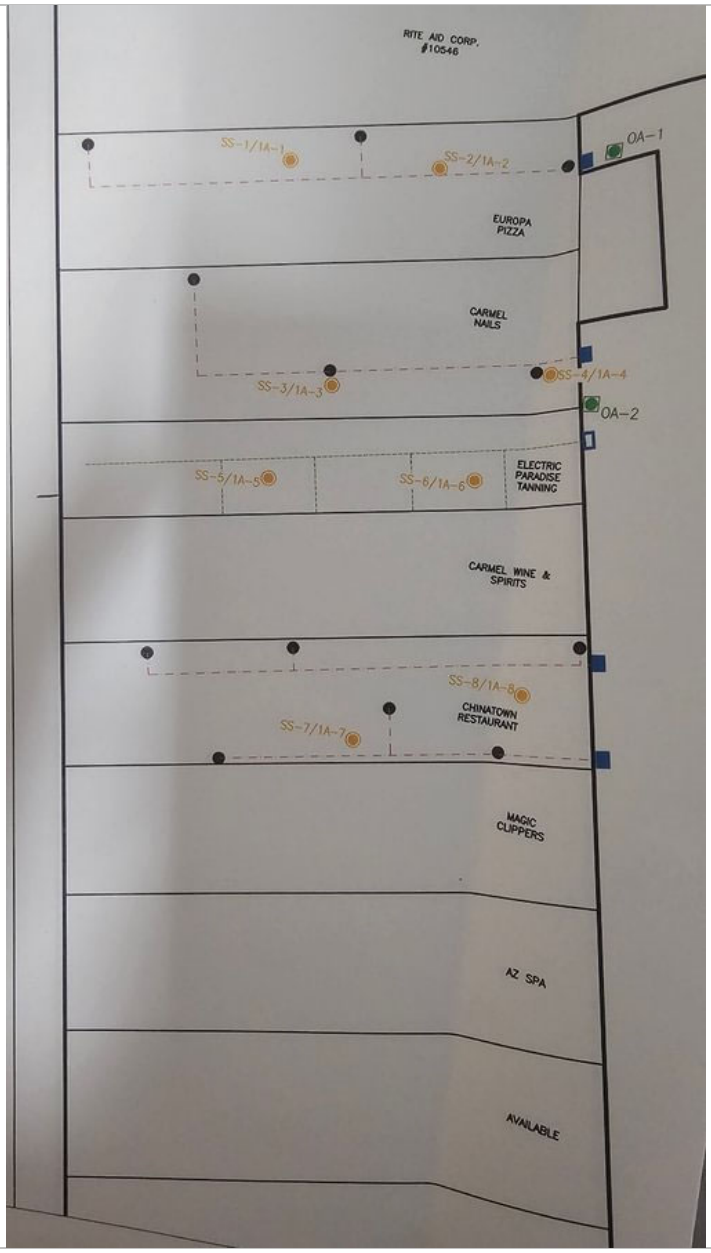
10. FLOOR PLANS

Draw a plan view sketch of the basement and first floor of the building. Indicate air sampling locations, possible indoor air pollution sources and PID meter readings. If the building does not have a basement, please note.

Basement:

Na

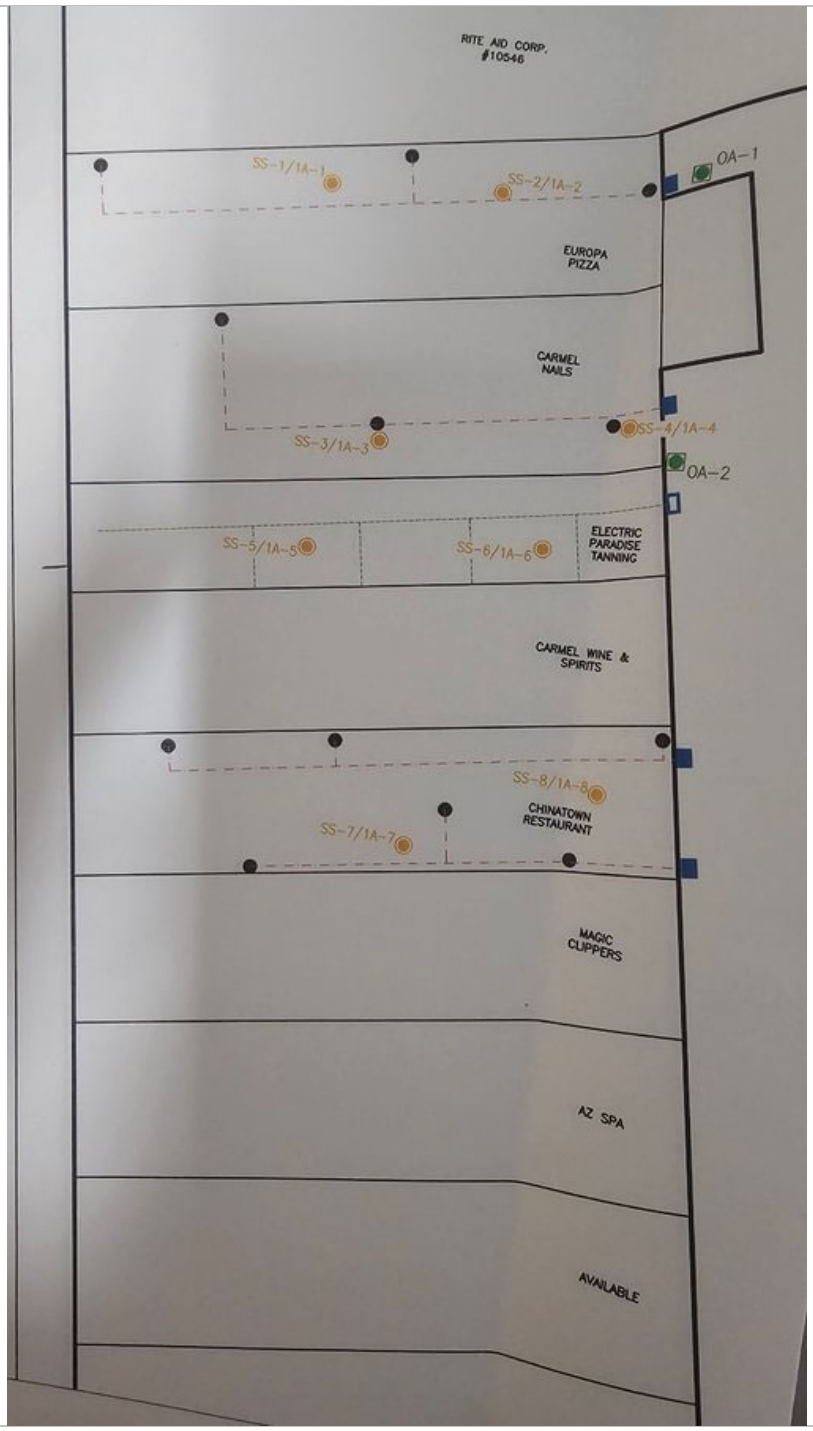
First Floor:


RITE AID CORP.
#10546
SS-1/1A-1
SS-2/1A-2
OA-1
EUROPA PIZZA
CARMEL NAILS
SS-3/1A-3
SS-4/1A-4
OA-2
SS-5/1A-5
SS-6/1A-6
ELECTRIC PARADISE TANNING
CARMEL WINE & SPIRITS
SS-8/1A-8
CHINATOWN RESTAURANT
SS-7/1A-7
MAGIC CLIPPERS
AZ SPA
AVAILABLE

11. OUTDOOR PLOT

Draw a sketch of the area surrounding the building being sampled. If applicable, provide information on spill locations, potential air contamination sources (industries, gas stations, repair shops, landfills, etc.), outdoor air sampling location(s) and PID meter readings.

Also indicate compass direction, wind direction and speed during sampling, the locations of the well and septic system, if applicable, and a qualifying statement to help locate the site on a topographic map.



12. PRODUCT INVENTORY FORM

Make & Model of field instrument used: PID-ppbRAE 3000 10.6eV PGM-7340

List specific products found in the residence that have the potential to affect indoor air quality.

Location	**Product Description**	**Size (units)**	**Condition***	**Chemical Ingredients**	**Field Instrument Reading (units)**	**Photo ** Y / N**
Storage room	Acetone	10 gallons	Uo and u	Acetone	11.15 ppm	N
Storage room	Behr Masonry, Stucco & Brick Paint	5 gallon	U	Kaolin, Limestone, Titanium dioxide, Wollastonite, Quartz	Not available due to high background reading ↓	Y
Storage room	Lysol	144 ounce	U	Water, C10-16 Alketh, benzalkonium Chloride, Fragrance, Sodium Tetraborate Decahydrate, Tetrasodium EDTA		Y
Storage room	Drano Ultra	80 ounce	Uo	Water, sodium metasilicate, proprietay surfactant blend, sodium hydroxide, sodium hypochlorite		Y

* Describe the condition of the product containers as **Unopened (UO), Used (U),** or **Deteriorated (D)**
** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

PRODUCT INVENTORY PHOTOGRAPHS

Client:	Regency Center (formerly Urstadt Biddle Properties Inc)	**Product Description:**	Acetone
Project:	UBPI/CarmelNY/GleneidaAve180	**Location of Product:**	Storage room
Site Location:	Gleneida ave	**Date:**	12/09/2024

Product Front	
Product Back	

NEW YORK STATE DEPARTMENT OF HEALTH
INDOOR AIR QUALITY QUESTIONNAIRE AND BUILDING
INVENTORY CENTER FOR ENVIRONMENTAL HEALTH

This form must be completed for each residence involved in indoor air testing.

Preparer's Name: Liam Maher Date/Time Prepared: 12/09/2024 / 09:00

Preparer's Affiliation: GES Phone No.: 866-839-5195

Purpose of Investigation: Indoor air test

1. OCCUPANT:

Interviewed: Y ✔ / N

Last Name: Na First Name: Dominique

Address: 174 Route 52 – Electric Paradise Tanning

County: Putnam

Home Phone: Office Phone:

Number of Occupants/persons at this location 1 Age of Occupants 30

2. OWNER OR LANDLORD: (Check if same as occupant)

Interviewed: Y / N ✔

Last Name: First Name:

Address:

County:

Home Phone: Office Phone:

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

Residential	School	Commercial/Multi-use ✔
Industrial	Church	Other:

If the property is residential, type? (Circle appropriate response)

Ranch	2-Family	3-Family
Raised Ranch	Split Level	Colonial
Cape Cod	Contemporary	Mobile Home
Duplex	Apartment House	Townhouses/Condos
Modular	Log Home	Other:_____

If multiple units, how many? 4

If the property is commercial, type?

Business Type(s) Tanning salon

Does it include residences (i.e., multi-use)? Y / N ✔ If yes, how many? ___

Other characteristics:

Number of floors 1 Building age 42

Is the building insulated? Y ✔ / N

How air tight? Tight / Average ✔ / Not Tight

4. AIRFLOW

Use air current tubes or tracer smoke to evaluate airflow patterns and qualitatively describe:

Airflow between floors

Na

Airflow near source

Na

Outdoor air infiltration

Na

Infiltration into air ducts

Na

5. BASEMENT AND CONSTRUCTION CHARACTERISTICS (Circle all that apply)

a. Above grade construction:	wood frame	concrete ✔	stone	brick
b. Basement type:	full	crawlspace	slab	other _____
c. Basement floor:	concrete	dirt	stone	other _____
d. Basement floor:	uncovered	covered	covered with __	
e. Concrete floor:	unsealed	sealed	sealed with __	
f. Foundation walls:	poured	block ✔	Stone _	other_
g. Foundation walls:	unsealed ✔	sealed ✔	sealed with _Paint	
h. The basement is:	wet	damp	dry	moldy
i. The basement is:	finished	unfinished	partially finished	
j. Sump present?	Y / N ✔			
k. Water in sump?	Y / N / not applicable			

Basement/Lowest level depth below grade: __(feet)

Identify potential soil vapor entry points and approximate size (e.g., cracks, utility ports, drains)

Na

6. HEATING, VENTING and AIR CONDITIONING (Circle all that apply)

Type of heating system(s) used in this building: (circle all that apply – note primary) Primary: Na

Hot air circulation ✔	Heat pump	Hot water baseboard	
Space Heaters	Stream radiation	Radiant floor	
Electric baseboard	Wood stove	Outdoor wood boiler	Other _____

The primary type of fuel used is:

Natural Gas ✔	Fuel Oil	Kerosene
Electric	Propane	Solar
Wood	Coal	

Domestic hot water tank fueled by: Na

Boiler/furnace located in: Basement / Outdoors / Main Floor / Other Unknown

Air conditioning: Central Air ✔ / Window units / Open Windows / None

Are there air distribution ducts present? Y ✔ / N

Describe the supply and cold air return ductwork, and its condition where visible, including whether there is a cold air return and the tightness of duct joints. Indicate the locations on the floor plan diagram.

Good condition

7. OCCUPANCY

Is basement/lowest level occupied? Full-time / Occasionally ✔ / Seldom / Almost Never

Level	**General Use of Each Floor (e.g., family room, bedroom, laundry, workshop, storage)**
Basement	Na
1st Floor	Tanning salon
2nd Floor	Na
3rd Floor	Na
4th Floor	Na

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

a. Is there an attached garage? Y / N ✔

b. Does the garage have a separate heating unit? Y / N / NA ✔

c. Are petroleum-powered machines or vehicles stored in the garage (e.g., lawnmower, atv, car) Y / N / NA ✔
Please specify: ___

d. Has the building ever had a fire? Y / N ✔ When? ___

e. Is a kerosene or unvented gas space heater present? Y / N ✔ Where? ___

f. Is there a workshop or hobby/craft area? Y / N ✔
Where & Type? __ – ___

g. Is there smoking in the building? Y / N ✔ How frequently? ____

h. Have cleaning products been used recently? Y ✔ / N
When & Type? Daily – General cleaning and disinfectant

i. Have cosmetic products been used recently? Y ✔ / N
When & Type? Daily – Tanning supplies

j. Has painting/staining been done in the last 6 months? Y / N ✔
Where & When? –

k. Is there new carpet, drapes or other textiles? Y / N ✔
Where & When? –

l. Have air fresheners been used recently? Y / N ✔
When & Type? –

m. Is there a kitchen exhaust fan? Y / N ✔
If yes, where vented?

n. Is there a bathroom exhaust fan? Y / N ✔
If yes, where vented?

o. Is there a clothes dryer? Y ✔ / N
If yes, is it vented outside? Y / N ✔

p. Has there been a pesticide application? Y / N ✔
When & Type? –

Are there odors in the building? Y ✔ / N

If yes, please describe: Cleaning, tanning products. Background ppb reading is 448ppb.

Do any of the building occupants use solvents at work? Y ✔ / N
(e.g., chemical manufacturing or laboratory, auto mechanic or auto body shop, painting, fuel oil delivery, boiler mechanic, pesticide application, cosmetologist

If yes, what types of solvents are used? Cleaning

If yes, are their clothes washed at work? Y / N ✔

Do any of the building occupants regularly use or work at a dry-cleaning service? (Circle appropriate response)

Yes, use dry-cleaning regularly (weekly) — No
Yes, use dry-cleaning infrequently (monthly or less) — Unknown
✔ Yes, work at a dry-cleaning service

Is there a radon mitigation system for the building/structure? Y ✔ / N Date of Installation: 2007
Is the system active or passive? Active ✔ / Passive

9. WATER AND SEWAGE

Water Supply: Public Water ✔ Drilled Well Driven Well Dug Well Other:

Sewage Disposal: Public Sewer ✔ Septic Tank Leach Field Dry Well Other:

10. RELOCATION INFORMATION (for oil spill residential emergency)

a. Provide reasons why relocation is recommended: _____

b. Residents choose to: remain in home / relocate to friends/family / relocate to hotel/motel

c. Responsibility for costs associated with reimbursement explained? Y / N

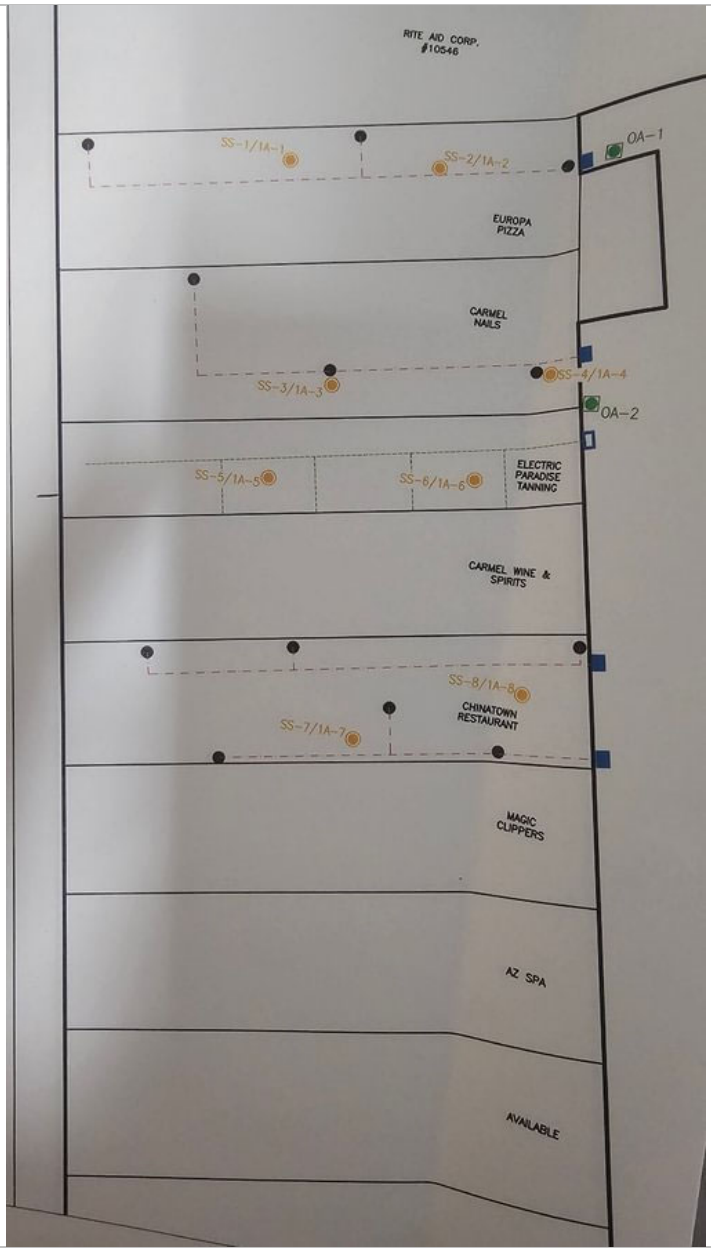
d. Relocation package provided and explained to residents? Y / N

11. FLOOR PLANS

Draw a plan view sketch of the basement and first floor of the building. Indicate air sampling locations, possible indoor air pollution sources and PID meter readings. If the building does not have a basement, please note.

Basement:

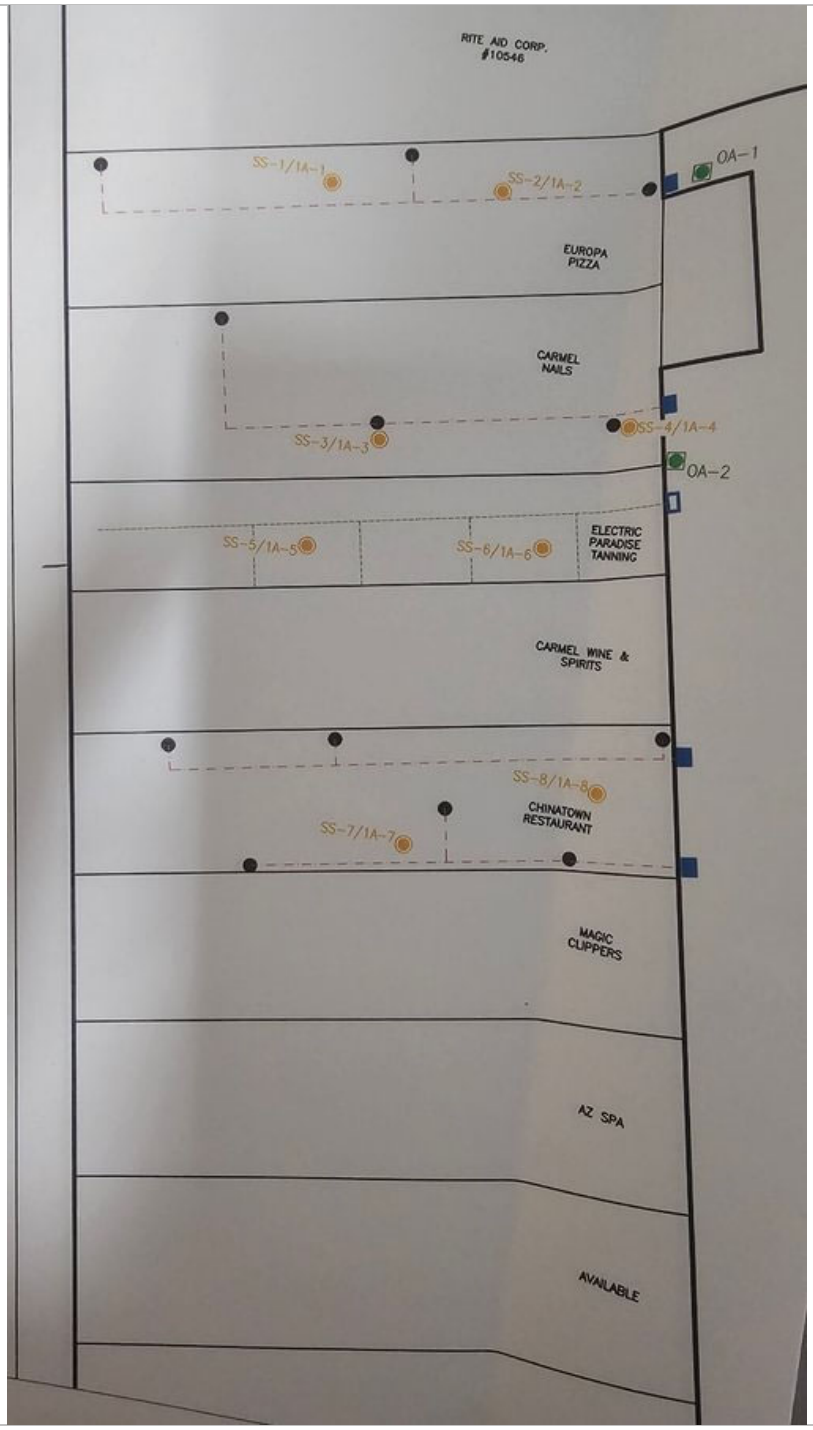
First Floor:


RITE AID CORP.
#10546
SS-1/1A-1
SS-2/1A-2
OA-1
EUROPA PIZZA
CARMEL NAILS
SS-3/1A-3
SS-4/1A-4
OA-2
SS-5/1A-5
SS-6/1A-6
ELECTRIC PARADISE TANNING
CARMEL WINE & SPIRITS
SS-8/1A-8
SS-7/1A-7
CHINATOWN RESTAURANT
MAGIC CLIPPERS
AZ SPA
AVAILABLE

12. OUTDOOR PLOT

Draw a sketch of the area surrounding the building being sampled. If applicable, provide information on spill locations, potential air contamination sources (industries, gas stations, repair shops, landfills, etc.), outdoor air sampling location(s) and PID meter readings.

Also indicate compass direction, wind direction and speed during sampling, the locations of the well and septic system, if applicable, and a qualifying statement to help locate the site on a topographic map.



13. PRODUCT INVENTORY FORM

Make & Model of field instrument used: PID-ppbRAE 3000 10.6eV PGM-7340

List specific products found in the residence that have the potential to affect indoor air quality.

Location	Product Description	Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (units)	Photo ** Y / N
Storage Room	Clorox Clean-up	180 oz	U	Bleach	0.0 ppb	Y
Storage Room	Fabuloso	1 gallon	U	Sodium dodecyl benzene sulfonate	0.0 ppb	Y
Storage Room	Various paints	½ to 1 gallon	U	acrylic or vinyl acrylic, pigments, extenders and water	0.0 ppb	Y
Storage Room	Lysol spray	12 oz	U	Alkyl dimethyl benzyl ammonium chlorides, Alkyl dimethyl benzyl ammonium chlorides	0.0 ppb	Y
Storage Room	Spray Away Glass Cleaner	12 oz	U	2-Butoxyethanol; Propane; and Butane	0.0 ppb	Y
Storage Room	Australian Gold Sanitizer	1 gallon	U	Didecyl dimethyl ammonium carbonate and bicarbonate; Alkyl dimethyl benzyl ammonium chloride; Didecyl dimethyl ammonium chlorides; C12-16 Alkyl dimethybenzyl ammonium chlorides	150 ppb	Y
Storage Room	Berkley Jensen Dryer Sheets	160 count	U	Typical (1,2,3): Dipalmethyl hydroxyethylammoinum methosulfate; fatty acid; fatty alcohols, and/or alcohol ethoxylates	160 ppb	Y

* Describe the condition of the product containers as **Unopened (UO), Used (U),** or **Deteriorated (D)**

NEW YORK STATE DEPARTMENT OF HEALTH
INDOOR AIR QUALITY QUESTIONNAIRE AND BUILDING
INVENTORY CENTER FOR ENVIRONMENTAL HEALTH

This form must be completed for each residence involved in indoor air testing.

Preparer's Name: Liam Maher Date/Time Prepared: 12/09/2024 / 14:00

Preparer's Affiliation: GES Phone No.: 866-839-5195

Purpose of Investigation: Indoor air sampling

1. OCCUPANT:

Interviewed: Y ✔ / N

Last Name: Na First Name: Na

Address: 170 Route 52 – Chinatown Restaurant

County: Putnam

Home Phone: Office Phone:

Number of Occupants/persons at this location 3 Age of Occupants 40

2. OWNER OR LANDLORD: (Check if same as occupant)

Interviewed: Y / N ✔

Last Name: First Name:

Address:

County:

Home Phone: Office Phone:

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

Residential	School	Commercial/Multi-use ✔
Industrial	Church	Other:

If the property is residential, type? (Circle appropriate response)

Ranch	2-Family	3-Family
Raised Ranch	Split Level	Colonial
Cape Cod	Contemporary	Mobile Home
Duplex	Apartment House	Townhouses/Condos
Modular	Log Home	Other:_____

If multiple units, how many? ___

If the property is commercial, type?

Business Type(s) Restaurant

Does it include residences (i.e., multi-use)? Y / N ✔ If yes, how many? ___

Other characteristics:

Number of floors 1 Building age 42

Is the building insulated? Y ✔ / N

How air tight? Tight / Average ✔ / Not Tight

4. AIRFLOW

Use air current tubes or tracer smoke to evaluate airflow patterns and qualitatively describe:

Airflow between floors

Na

Airflow near source

Na

Outdoor air infiltration

Backdoor is open

Infiltration into air ducts

Na

5. BASEMENT AND CONSTRUCTION CHARACTERISTICS (Circle all that apply)

a. Above grade construction:	wood frame	concrete ✔	stone	brick
b. Basement type:	full	crawlspace	slab	other _____
c. Basement floor:	concrete	dirt	stone	other _____
d. Basement floor:	uncovered	covered	covered with __	
e. Concrete floor:	unsealed	sealed	sealed with __	
f. Foundation walls:	poured	block ✔	Stone _other	
g. Foundation walls:	unsealed	sealed ✔	sealed with _Paint	
h. The basement is:	wet	damp	dry	moldy
i. The basement is:	finished	unfinished	partially finished	
j. Sump present?	Y / N ✔			
k. Water in sump?	Y / N / not applicable			

Basement/Lowest level depth below grade: ___(feet)

Identify potential soil vapor entry points and approximate size (e.g., cracks, utility ports, drains)

Na

6. HEATING, VENTING and AIR CONDITIONING (Circle all that apply)

Type of heating system(s) used in this building: (circle all that apply – note primary) Primary: Na

Hot air circulation ✔	Heat pump	Hot water baseboard	
Space Heaters	Stream radiation	Radiant floor	
Electric baseboard	Wood stove	Outdoor wood boiler	Other _

The primary type of fuel used is:

Natural Gas ✔	Fuel Oil	Kerosene
Electric	Propane	Solar
Wood	Coal	

Domestic hot water tank fueled by: Gas

Boiler/furnace located in: Basement / Outdoors / Main Floor / Other Separate location

Air conditioning: Central Air ✔ / Window units / Open Windows / None

Are there air distribution ducts present? Y ✔ / N

Describe the supply and cold air return ductwork, and its condition where visible, including whether there is a cold air return and the tightness of duct joints. Indicate the locations on the floor plan diagram.

Good condition

7. OCCUPANCY

Is basement/lowest level occupied? Full-time / Occasionally / Seldom / Almost Never

Level	**General Use of Each Floor (e.g., familyroom, bedroom, laundry, workshop, storage)**
Basement	Na
1st Floor	Restaurant
2nd Floor	Na
3rd Floor	Na
4th Floor	Na

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

a. Is there an attached garage? Y / N ✔

b. Does the garage have a separate heating unit? Y / N / NA ✔

c. Are petroleum-powered machines or vehicles stored in the garage (e.g., lawnmower, atv, car) Y / N / NA ✔
Please specify: ___

d. Has the building ever had a fire? Y / N ✔ When? ___

e. Is a kerosene or unvented gas space heater present? Y / N ✔ Where? ___

f. Is there a workshop or hobby/craft area? Y / N ✔
Where & Type? __–___

g. Is there smoking in the building? Y / N ✔ How frequently? ____

h. Have cleaning products been used recently? Y ✔ / N
When & Type? Daily – General cleaning

i. Have cosmetic products been used recently? Y / N ✔
When & Type? __–__

j. Has painting/staining been done in the last 6 months? Y / N ✔
Where & When? –

k. Is there new carpet, drapes or other textiles? Y / N ✔
Where & When? –

l. Have air fresheners been used recently? Y / N ✔
When & Type? –

m. Is there a kitchen exhaust fan? Y ✔ / N
If yes, where vented? Roof

n. Is there a bathroom exhaust fan? Y / N ✔
If yes, where vented?

o. Is there a clothes dryer? Y / N ✔
If yes, is it vented outside? Y / N

p. Has there been a pesticide application? Y / N ✔
When & Type? –

Are there odors in the building? Y / N ✔

If yes, please describe: _____

Do any of the building occupants use solvents at work? Y / N ✔
(e.g., chemical manufacturing or laboratory, auto mechanic or auto body shop, painting, fuel oil delivery, boiler mechanic, pesticide application, cosmetologist

If yes, what types of solvents are used? _____

If yes, are their clothes washed at work? Y / N

Do any of the building occupants regularly use or work at a dry-cleaning service? (Circle appropriate response)

Yes, use dry-cleaning regularly (weekly) — No
Yes, use dry-cleaning infrequently (monthly or less) — Unknown
✔ Yes, work at a dry-cleaning service

Is there a radon mitigation system for the building/structure? Y ✔ / N Date of Installation: 2007
Is the system active or passive? Active ✔ / Passive

9. WATER AND SEWAGE

Water Supply: Public Water ✔ Drilled Well Driven Well Dug Well Other: _____

Sewage Disposal: Public Sewer ✔ Septic Tank Leach Field Dry Well Other: _____

10. RELOCATION INFORMATION (for oil spill residential emergency)

a. Provide reasons why relocation is recommended: _____

b. Residents choose to: remain in home / relocate to friends/family / relocate to hotel/motel

c. Responsibility for costs associated with reimbursement explained? Y / N

d. Relocation package provided and explained to residents? Y / N

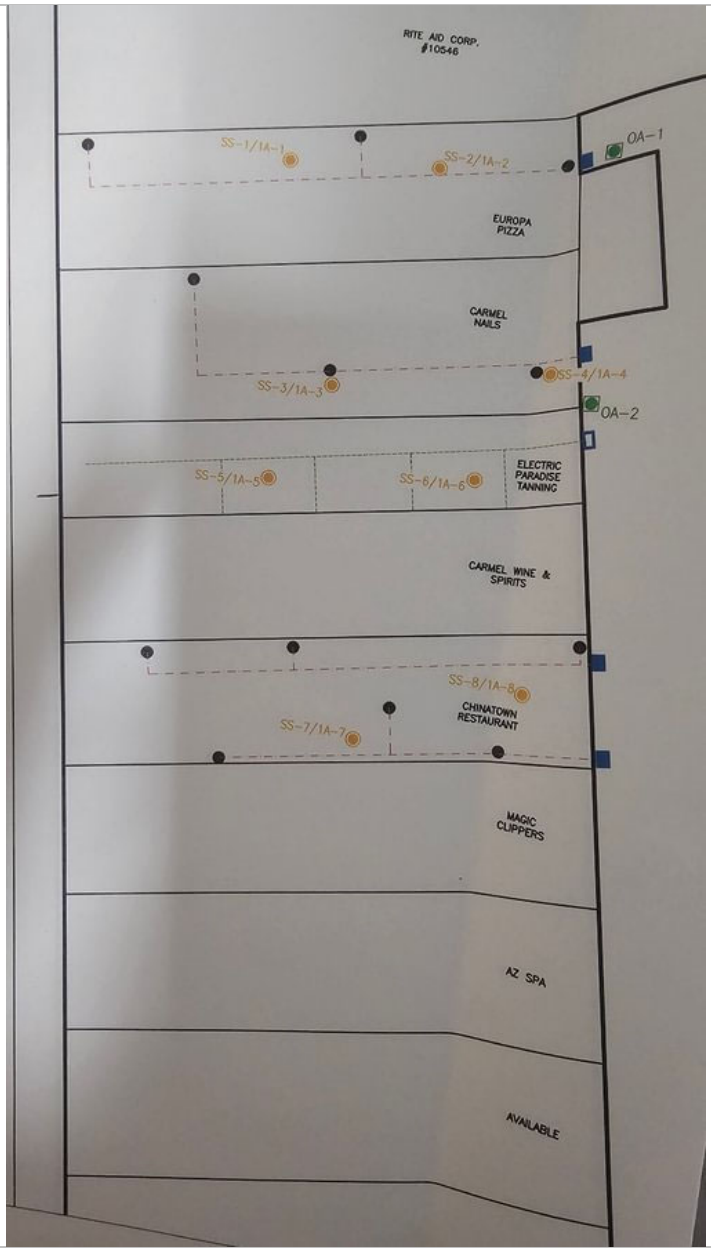
11. FLOOR PLANS

Draw a plan view sketch of the basement and first floor of the building. Indicate air sampling locations, possible indoor air pollution sources and PID meter readings. If the building does not have a basement, please note.

Basement:

Na

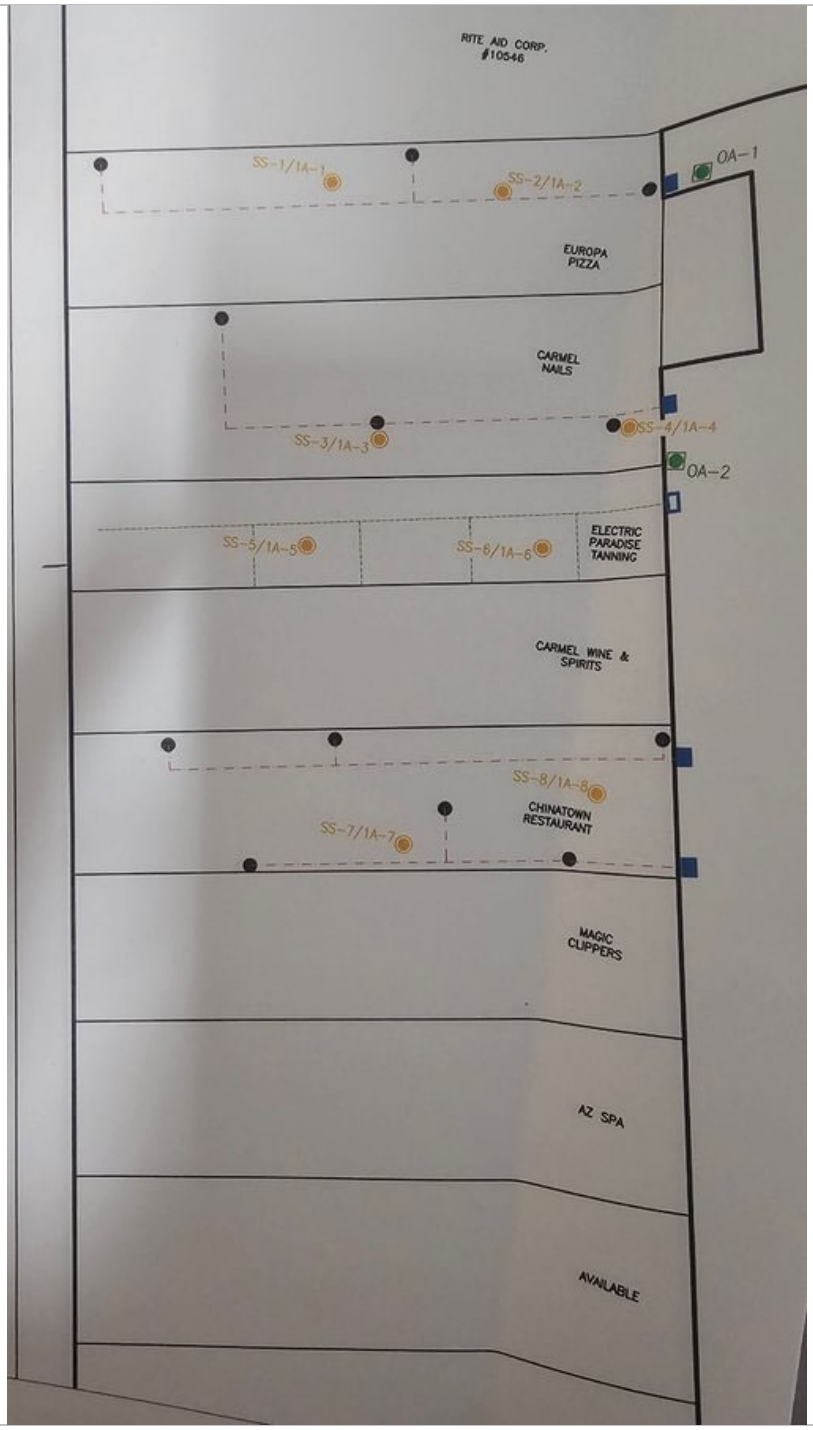
First Floor:


RITE AID CORP.
#10546
SS-1/1A-1
SS-2/1A-2
OA-1
EUROPA PIZZA
CARMEL NAILS
SS-3/1A-3
SS-4/1A-4
OA-2
SS-5/1A-5
SS-6/1A-6
ELECTRIC PARADISE TANNING
CARMEL WINE & SPIRITS
SS-8/1A-8
SS-7/1A-7
CHINATOWN RESTAURANT
MAGIC CLIPPERS
AZ SPA
AVAILABLE

12. OUTDOOR PLOT

Draw a sketch of the area surrounding the building being sampled. If applicable, provide information on spill locations, potential air contamination sources (industries, gas stations, repair shops, landfills, etc.), outdoor air sampling location(s) and PID meter readings.

Also indicate compass direction, wind direction and speed during sampling, the locations of the well and septic system, if applicable, and a qualifying statement to help locate the site on a topographic map.



13. PRODUCT INVENTORY FORM

Make & Model of field instrument used: PID-ppbRAE 3000 10.6eV PGM-7340

List specific products found in the residence that have the potential to affect indoor air quality.

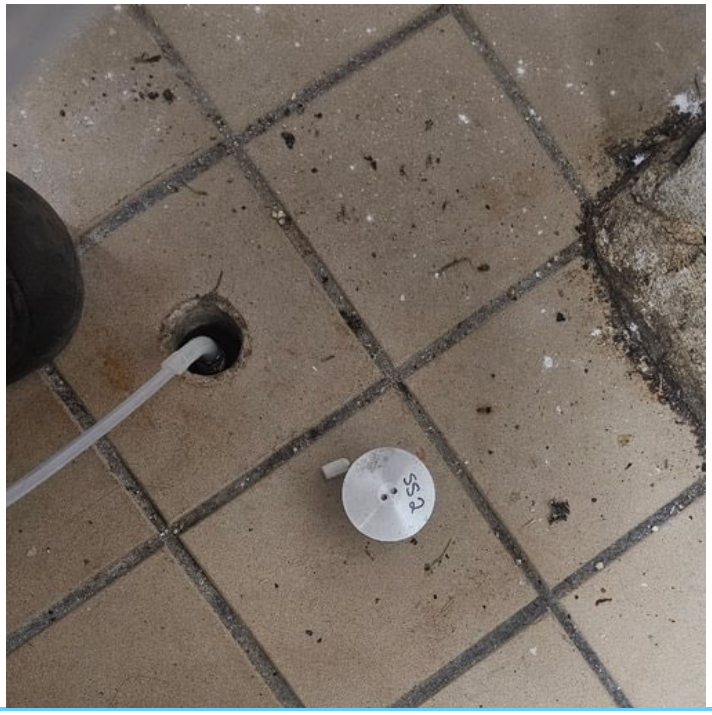
Location	**Product Description**	**Size (units)**	**Condition***	**Chemical Ingredients**	**Field Instrument Reading (units)**	**Photo ** Y / N**
Storage Room	So-Kleen	1 gallon	U	dodecyl benzenesulphonate; Amines, coco alkyldimethyl, N-oxides and (R)-p-mentha-1,8-diene	75 ppb	Y

* Describe the condition of the product containers as **Unopened (UO), Used (U),** or **Deteriorated (D)**
** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

Appendix B – Photograph Log

Client: Regency Center (formerly Urstadt Biddle Properties Inc) **Site Name:** UBPI/CarmelNY/GleneidaAve180	**Project:** 1192323-02-217 **Site Location:** 178 Route 52 – Europa Pizza

Photo #:	1
Date:	12/09/2024
Direction:	SS-2
Comments: SS-2	



Client: Regency Center (formerly Urstadt Biddle Properties Inc) **Site Name:** UBPI/CarmelNY/GleneidaAve180	**Project:** 1192323-02-217 **Site Location:** 178 Route 52 – Europa Pizza

Photo #:	2
Date:	12/09/2024
Direction:	SS-2
Comments: SS-2 helium 0 PPM	



Client: Regency Center (formerly Urstadt Biddle Properties Inc) **Site Name:** UBPI/CarmelNY/GleneidaAve180	**Project:** 1192323-02-217 **Site Location:** 178 Route 52 – Europa Pizza

Photo #:	3
Date:	12/09/2024
Direction:	SS-1
Comments: SS-1 0 PPB	



Client: Regency Center (formerly Urstadt Biddle Properties Inc) **Site Name:** UBPI/CarmelNY/GleneidaAve180	**Project:** 1192323-02-217 **Site Location:** 178 Route 52 – Europa Pizza

Photo #:	4
Date:	12/09/2024
Direction:	SS-1
Comments: SS-1 helium 0 PPM	



Client: Regency Center (formerly Urstadt Biddle Properties Inc) **Site Name:** UBPI/CarmelNY/GleneidaAve180	**Project:** 1192323-02-217 **Site Location:** 178 Route 52 – Europa Pizza

Photo #:	1
Date:	12/10/2024
Direction:	SS-1

Comments:

SS-1
0 PPB



Client: Regency Center (formerly Urstadt Biddle Properties Inc) **Site Name:** UBPI/CarmelNY/GleneidaAve180	**Project:** 1192323-02-217 **Site Location:** 178 Route 52 – Europa Pizza

Photo #:	2
Date:	12/10/2024
Direction:	SS-1

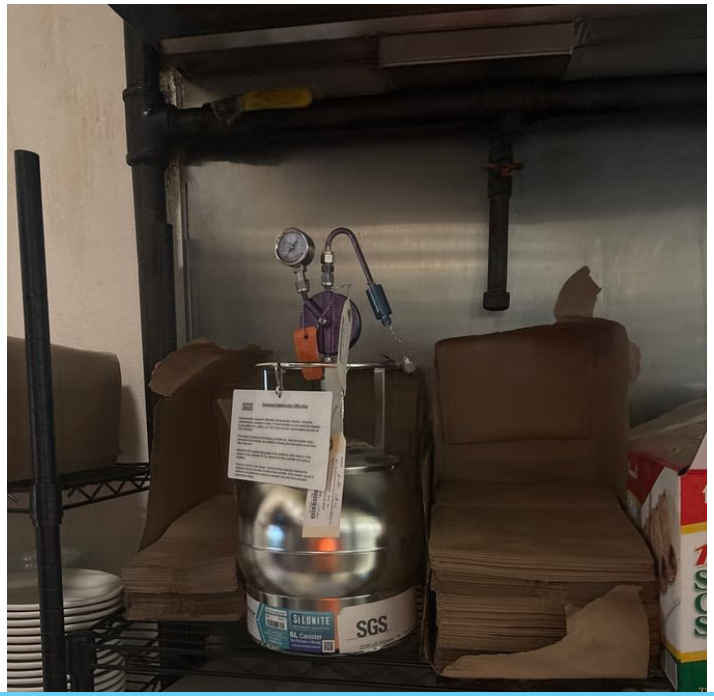
Comments:

SS-1 summa



Client: Regency Center (formerly Urstadt Biddle Properties Inc) **Site Name:** UBPI/CarmelNY/GleneidaAve180	**Project:** 1192323-02-217 **Site Location:** 178 Route 52 – Europa Pizza

Photo #:	3
Date:	12/10/2024
Direction:	IA-1
Comments: IA-1 summa	



Client: Regency Center (formerly Urstadt Biddle Properties Inc) **Site Name:** UBPI/CarmelNY/GleneidaAve180	**Project:** 1192323-02-217 **Site Location:** 178 Route 52 – Europa Pizza

Photo #:	4
Date:	12/10/2024
Direction:	SS-2
Comments: SS-2 26 ppb	



Client: Regency Center (formerly Urstadt Biddle Properties Inc) **Site Name:** UBPI/CarmelNY/GleneidaAve180	**Project:** 1192323-02-217 **Site Location:** 178 Route 52 – Europa Pizza

Photo #:	5
Date:	12/10/2024
Direction:	SS-2
Comments: SS-2 summa	



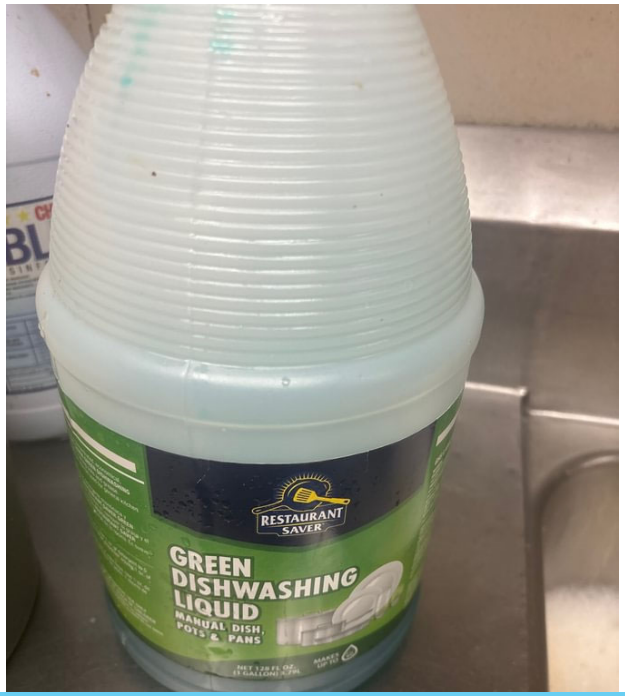
Client: Regency Center (formerly Urstadt Biddle Properties Inc) **Site Name:** UBPI/CarmelNY/GleneidaAve180	**Project:** 1192323-02-217 **Site Location:** 178 Route 52 – Europa Pizza

Photo #:	6
Date:	12/10/2024
Direction:	IA-2
Comments: IA-2 summa	



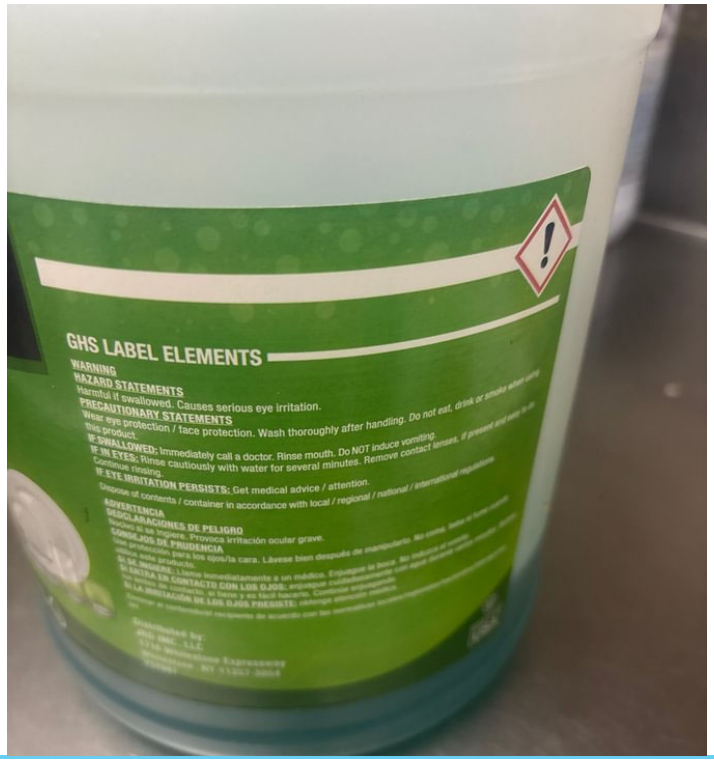
Client: Regency Center (formerly Urstadt Biddle Properties Inc) **Site Name:** UBPI/CarmelNY/GleneidaAve180	**Project:** 1192323-02-217 **Site Location:** 178 Route 52 – Europa Pizza

Photo #:	1
Date:	12/10/2024
Direction:	Green Dishwasher Liquid
Comments: Front	



Client: Regency Center (formerly Urstadt Biddle Properties Inc) **Site Name:** UBPI/CarmelNY/GleneidaAve180	**Project:** 1192323-02-217 **Site Location:** 178 Route 52 – Europa Pizza

Photo #:	2
Date:	12/10/2024
Direction:	Green dishwasher liquid
Comments: Back. 1 gallon used. 35 ppb	



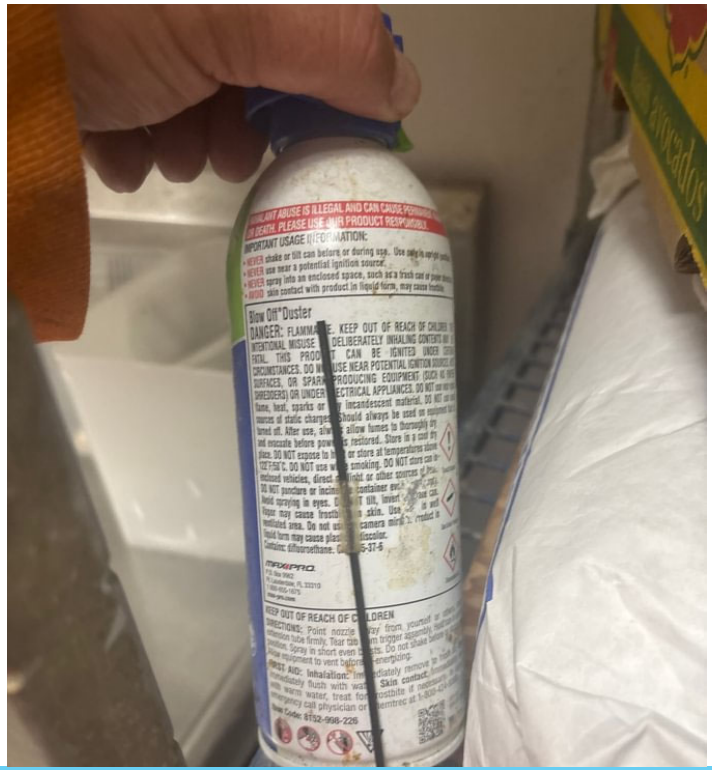
Client: Regency Center (formerly Urstadt Biddle Properties Inc) **Site Name:** UBPI/CarmelNY/GleneidaAve180	**Project:** 1192323-02-217 **Site Location:** 178 Route 52 – Europa Pizza

Photo #:	3
Date:	12/10/2024
Direction:	Blow off duster
Comments: Front	



Client: Regency Center (formerly Urstadt Biddle Properties Inc) **Site Name:** UBPI/CarmelNY/GleneidaAve180	**Project:** 1192323-02-217 **Site Location:** 178 Route 52 – Europa Pizza

Photo #:	4
Date:	12/10/2024
Direction:	Blow off duster
Comments: Back. Did Not spray. 0.0 ppb	



Client: Regency Center (formerly Urstadt Biddle Properties Inc) **Site Name:** UBPI/CarmelNY/GleneidaAve180	**Project:** 1192323-02-217 **Site Location:** 176 Route 52 – Carmel Nails

Photo #:	1
Date:	12/09/2024
Direction:	SS-4

Comments:

SS-4
147 PPB

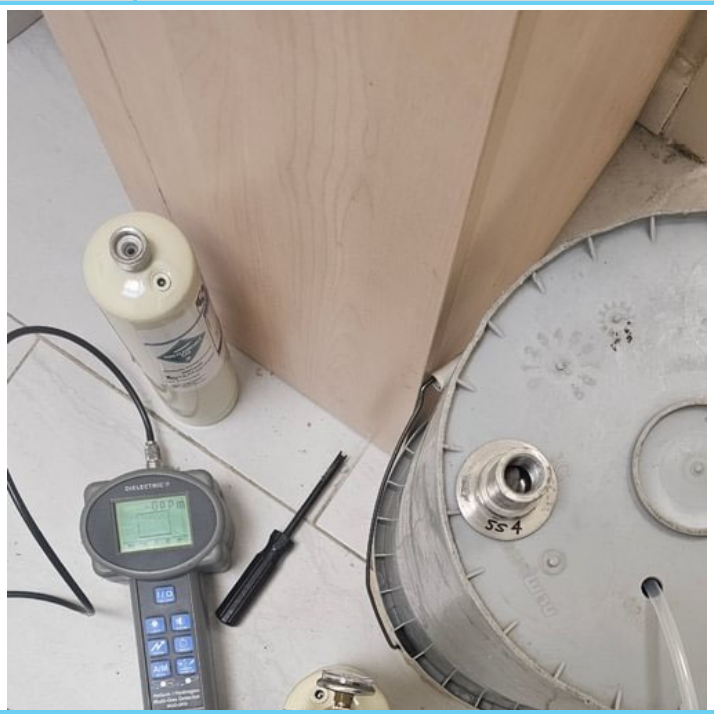


Client: Regency Center (formerly Urstadt Biddle Properties Inc) **Site Name:** UBPI/CarmelNY/GleneidaAve180	**Project:** 1192323-02-217 **Site Location:** 176 Route 52 – Carmel Nails

Photo #:	2
Date:	12/09/2024
Direction:	SS-4

Comments:

SS-4 helium
0 PPM



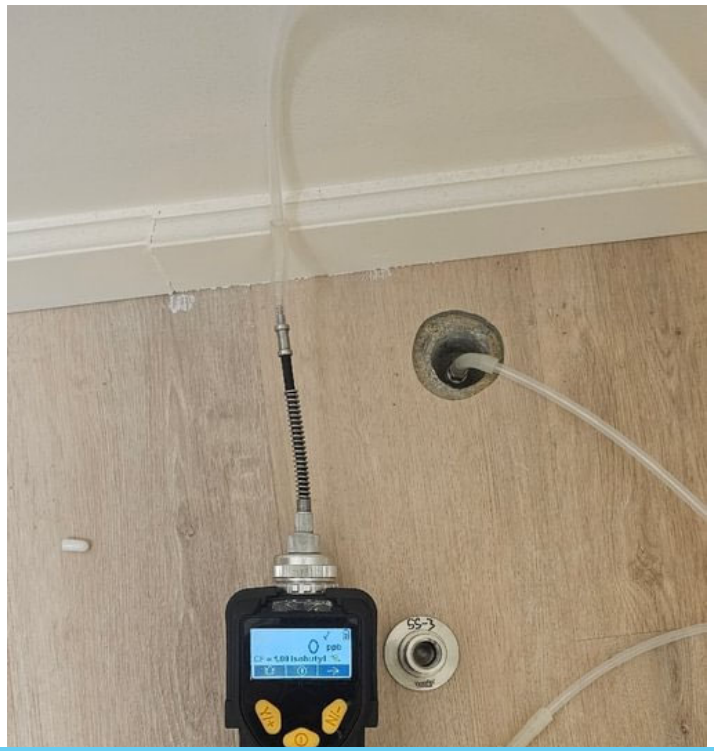
Client: Regency Center (formerly Urstadt Biddle Properties Inc) **Site Name:** UBPI/CarmelNY/GleneidaAve180	**Project:** 1192323-02-217 **Site Location:** 176 Route 52 – Carmel Nails

Photo #:	3
Date:	12/09/2024
Direction:	SS-3
Comments: SS-3 helium 0 PPM	



Client: Regency Center (formerly Urstadt Biddle Properties Inc) **Site Name:** UBPI/CarmelNY/GleneidaAve180	**Project:** 1192323-02-217 **Site Location:** 176 Route 52 – Carmel Nails

Photo #:	4
Date:	12/09/2024
Direction:	SS-3
Comments: SS-3 0 PPB	



Client: Regency Center (formerly Urstadt Biddle Properties Inc) **Site Name:** UBPI/CarmelNY/GleneidaAve180	**Project:** 1192323-02-217 **Site Location:** 176 Route 52 – Carmel Nails

Photo #:	1
Date:	12/10/2024
Direction:	SS-3

Comments:

SS-3
0 ppb



Client: Regency Center (formerly Urstadt Biddle Properties Inc) **Site Name:** UBPI/CarmelNY/GleneidaAve180	**Project:** 1192323-02-217 **Site Location:** 176 Route 52 – Carmel Nails

Photo #:	2
Date:	12/10/2024
Direction:	SS-3

Comments:

SS-3 summa



Client: Regency Center (formerly Urstadt Biddle Properties Inc) **Site Name:** UBPI/CarmelNY/GleneidaAve180	**Project:** 1192323-02-217 **Site Location:** 176 Route 52 – Carmel Nails

Photo #:	3
Date:	12/10/2024
Direction:	IA-3
Comments: IA-3 summa	



Client: Regency Center (formerly Urstadt Biddle Properties Inc) **Site Name:** UBPI/CarmelNY/GleneidaAve180	**Project:** 1192323-02-217 **Site Location:** 176 Route 52 – Carmel Nails

Photo #:	4
Date:	12/10/2024
Direction:	SS-4
Comments: SS-4 27 ppb	



Client: Regency Center (formerly Urstadt Biddle Properties Inc) **Site Name:** UBPI/CarmelNY/GleneidaAve180	**Project:** 1192323-02-217 **Site Location:** 176 Route 52 – Carmel Nails

Photo #:	5
Date:	12/10/2024
Direction:	SS-4
Comments: SS-4 summa	



Client: Regency Center (formerly Urstadt Biddle Properties Inc) **Site Name:** UBPI/CarmelNY/GleneidaAve180	**Project:** 1192323-02-217 **Site Location:** 176 Route 52 – Carmel Nails

Photo #:	6
Date:	12/10/2024
Direction:	IA-4
Comments: IA-4 summa	



Client: Regency Center (formerly Urstadt Biddle Properties Inc) **Site Name:** UBPI/CarmelNY/GleneidaAve180	**Project:** 1192323-02-217 **Site Location:** 176 Route 52 – Carmel Nails

Photo #:	1
Date:	12/10/2024
Direction:	Nails ambient reading at 1415=17.23p pm

Comments:

High ambient reading distorts inventory readings

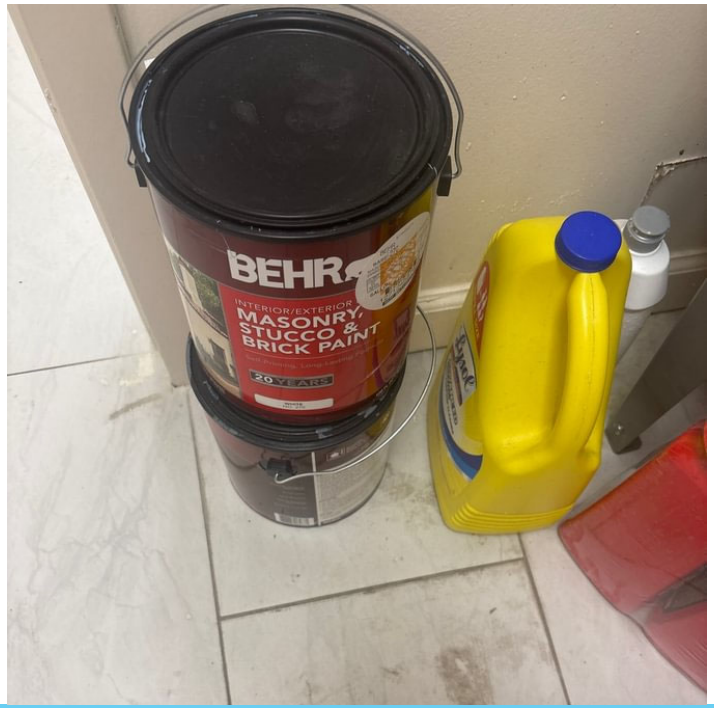


Client: Regency Center (formerly Urstadt Biddle Properties Inc) **Site Name:** UBPI/CarmelNY/GleneidaAve180	**Project:** 1192323-02-217 **Site Location:** 176 Route 52 – Carmel Nails

Photo #:	2
Date:	12/10/2024
Direction:	Paint cans

Comments:

Used



Client: Regency Center (formerly Urstadt Biddle Properties Inc) **Site Name:** UBPI/CarmelNY/GleneidaAve180	**Project:** 1192323-02-217 **Site Location:** 176 Route 52 – Carmel Nails

Photo #:	3
Date:	12/10/2024
Direction:	Lysol
Comments: Used	



Client: Regency Center (formerly Urstadt Biddle Properties Inc) **Site Name:** UBPI/CarmelNY/GleneidaAve180	**Project:** 1192323-02-217 **Site Location:** 176 Route 52 – Carmel Nails

Photo #:	4
Date:	12/10/2024
Direction:	Drano
Comments: New	

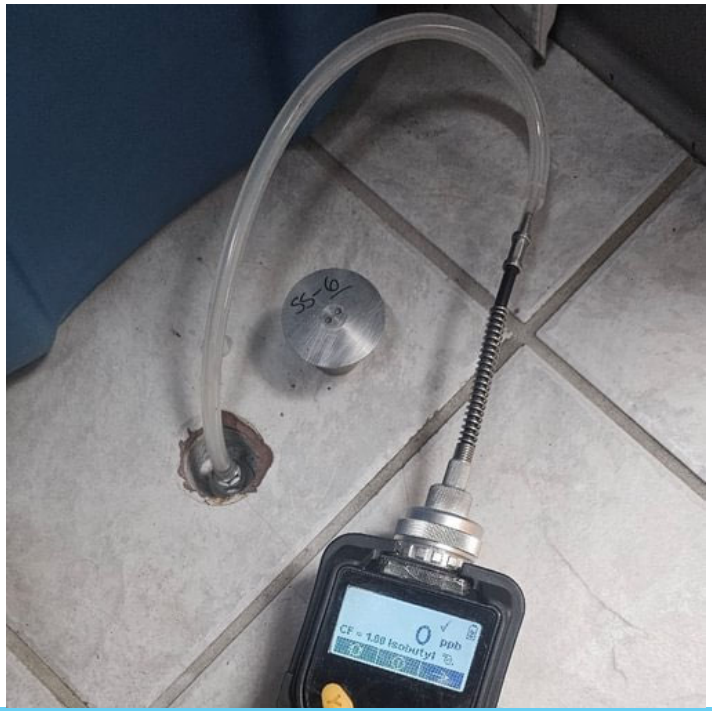


Client: Regency Center (formerly Urstadt Biddle Properties Inc) **Site Name:** UBPI/CarmelNY/GleneidaAve180	**Project:** 1192323-02-217 **Site Location:** 174 Route 52 – Electric Paradise Tanning

Photo #:	1
Date:	12/09/2024
Direction:	SS-6

Comments:

SS-6
0 PPB



Client: Regency Center (formerly Urstadt Biddle Properties Inc) **Site Name:** UBPI/CarmelNY/GleneidaAve180	**Project:** 1192323-02-217 **Site Location:** 174 Route 52 – Electric Paradise Tanning

Photo #:	2
Date:	12/09/2024
Direction:	SS-5

Comments:

SS-5
0 PPB

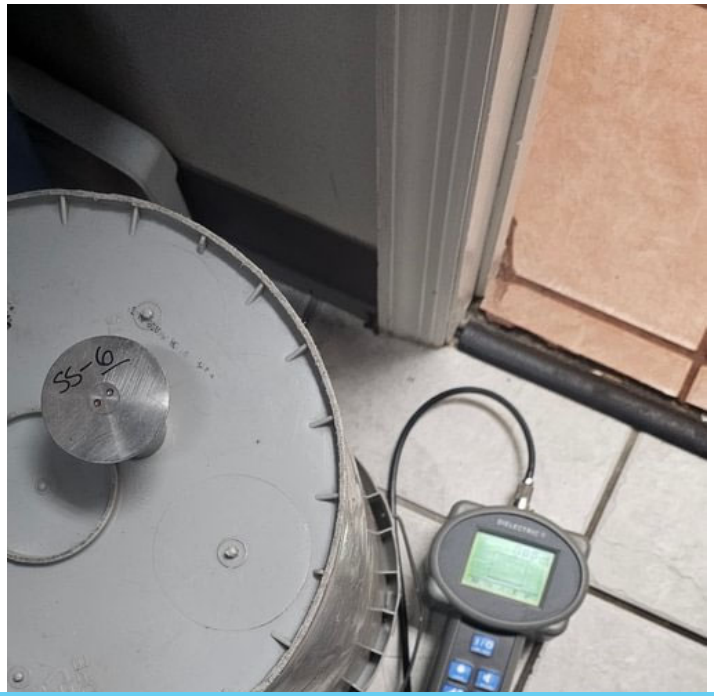


Client: Regency Center (formerly Urstadt Biddle Properties Inc) **Site Name:** UBPI/CarmelNY/GleneidaAve180	**Project:** 1192323-02-217 **Site Location:** 174 Route 52 – Electric Paradise Tanning

Photo #:	3
Date:	12/09/2024
Direction:	SS-6

Comments:

SS-6 helium
0 PPM



Client: Regency Center (formerly Urstadt Biddle Properties Inc) **Site Name:** UBPI/CarmelNY/GleneidaAve180	**Project:** 1192323-02-217 **Site Location:** 174 Route 52 – Electric Paradise Tanning

Photo #:	4
Date:	12/09/2024
Direction:	SS-5

Comments:

SS-5 helium
0 PPM



Client: Regency Center (formerly Urstadt Biddle Properties Inc) **Site Name:** UBPI/CarmelNY/GleneidaAve180	**Project:** 1192323-02-217 **Site Location:** 174 Route 52 – Electric Paradise Tanning

Photo #:	1
Date:	12/10/2024
Direction:	SS-5

Comments:

SS-5
0.0 ppb



Client: Regency Center (formerly Urstadt Biddle Properties Inc) **Site Name:** UBPI/CarmelNY/GleneidaAve180	**Project:** 1192323-02-217 **Site Location:** 174 Route 52 – Electric Paradise Tanning

Photo #:	2
Date:	12/10/2024
Direction:	SS-5

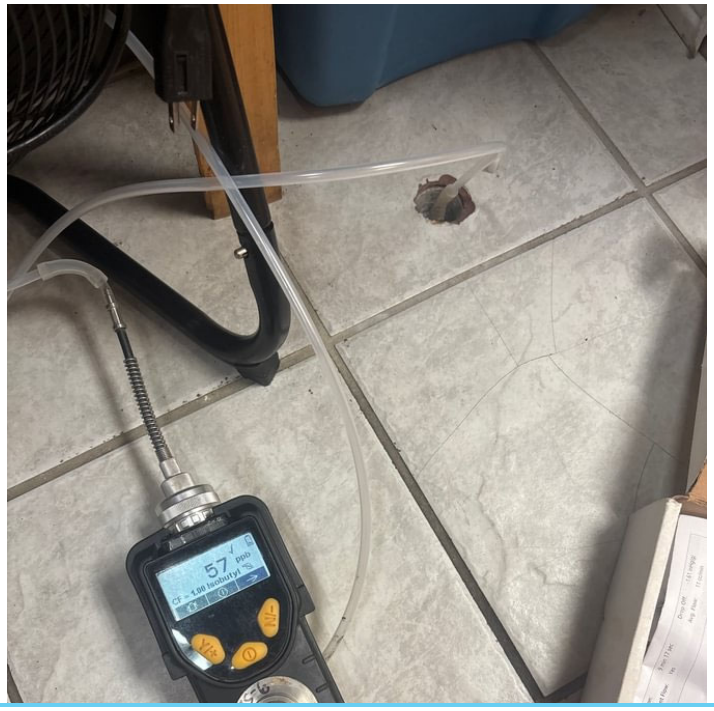
Comments:

SS-5 and SS-5 (DUP)



Client: Regency Center (formerly Urstadt Biddle Properties Inc) **Site Name:** UBPI/CarmelNY/GleneidaAve180	**Project:** 1192323-02-217 **Site Location:** 174 Route 52 – Electric Paradise Tanning

Photo #:	3
Date:	12/10/2024
Direction:	SS-6
Comments: SS-6 57 ppb	



Client: Regency Center (formerly Urstadt Biddle Properties Inc) **Site Name:** UBPI/CarmelNY/GleneidaAve180	**Project:** 1192323-02-217 **Site Location:** 174 Route 52 – Electric Paradise Tanning

Photo #:	4
Date:	12/10/2024
Direction:	SS-6
Comments: Summa	



Client: Regency Center (formerly Urstadt Biddle Properties Inc) **Site Name:** UBPI/CarmelNY/GleneidaAve180	**Project:** 1192323-02-217 **Site Location:** 174 Route 52 – Electric Paradise Tanning

Photo #:	5
Date:	12/10/2024
Direction:	IA-6
Comments: Summa	



Client: Regency Center (formerly Urstadt Biddle Properties Inc) **Site Name:** UBPI/CarmelNY/GleneidaAve180	**Project:** 1192323-02-217 **Site Location:** 174 Route 52 – Electric Paradise Tanning

Photo #:	6
Date:	12/10/2024
Direction:	IA-5
Comments: IA-5 and DUP	



Client: Regency Center (formerly Urstadt Biddle Properties Inc) **Site Name:** UBPI/CarmelNY/GleneidaAve180	**Project:** 1192323-02-217 **Site Location:** 174 Route 52 – Electric Paradise Tanning

Photo #:	7
Date:	12/09/2024
Direction:	Na

Comments:

Clorox cleaner/bleach
0.0 ppb



Client: Regency Center (formerly Urstadt Biddle Properties Inc) **Site Name:** UBPI/CarmelNY/GleneidaAve180	**Project:** 1192323-02-217 **Site Location:** 174 Route 52 – Electric Paradise Tanning

Photo #:	8
Date:	12/09/2024
Direction:	Na

Comments:

Fabuloso cleaner
0.0 ppb



Client: Regency Center (formerly Urstadt Biddle Properties Inc) **Site Name:** UBPI/CarmelNY/GleneidaAve180	**Project:** 1192323-02-217 **Site Location:** 174 Route 52 – Electric Paradise Tanning

Photo #:	9
Date:	12/09/2024
Direction:	Na

Comments:

Paint
0.0 ppb



Client: Regency Center (formerly Urstadt Biddle Properties Inc) **Site Name:** UBPI/CarmelNY/GleneidaAve180	**Project:** 1192323-02-217 **Site Location:** 174 Route 52 – Electric Paradise Tanning

Photo #:	10
Date:	12/09/2024
Direction:	Na

Comments:

Glass cleaner
0.0 ppb



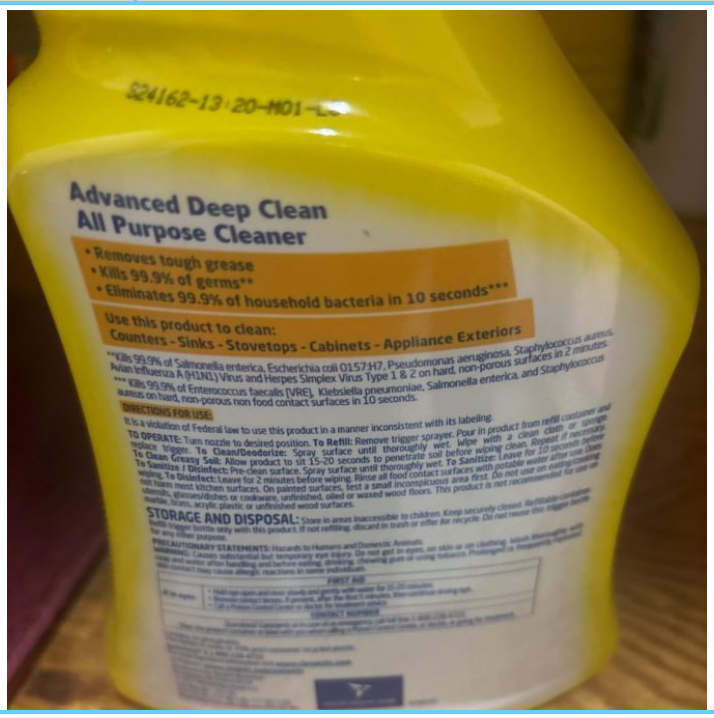
Client: Regency Center (formerly Urstadt Biddle Properties Inc) **Site Name:** UBPI/CarmelNY/GleneidaAve180	**Project:** 1192323-02-217 **Site Location:** 174 Route 52 – Electric Paradise Tanning

Photo #:	1
Date:	12/10/2024
Direction:	Lysol
Comments: Front	



Client: Regency Center (formerly Urstadt Biddle Properties Inc) **Site Name:** UBPI/CarmelNY/GleneidaAve180	**Project:** 1192323-02-217 **Site Location:** 174 Route 52 – Electric Paradise Tanning

Photo #:	2
Date:	12/10/2024
Direction:	Lysol
Comments: Back used 3 gallons 0.0 ppb	



Client: Regency Center (formerly Urstadt Biddle Properties Inc) **Site Name:** UBPI/CarmelNY/GleneidaAve180	**Project:** 1192323-02-217 **Site Location:** 174 Route 52 – Electric Paradise Tanning

Photo #:	3
Date:	12/10/2024
Direction:	Fabuloso
Comments: Front	



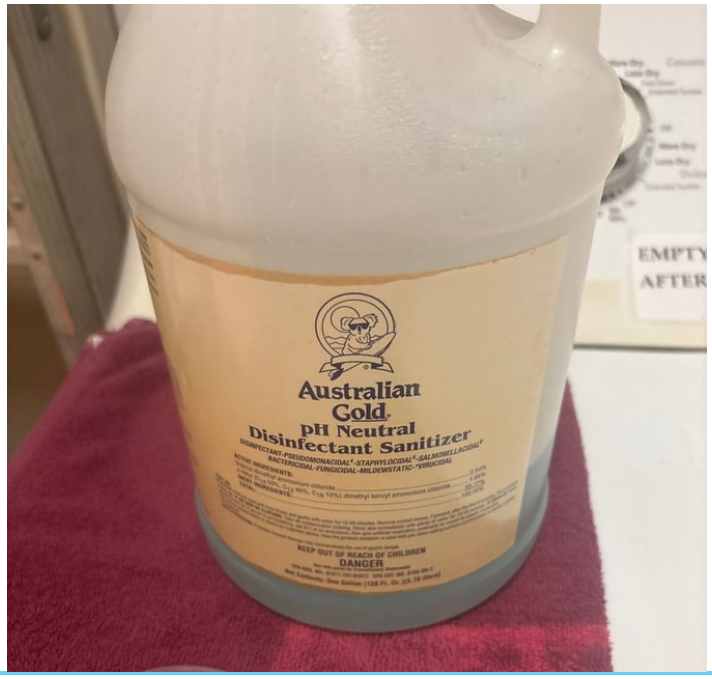
Client: Regency Center (formerly Urstadt Biddle Properties Inc) **Site Name:** UBPI/CarmelNY/GleneidaAve180	**Project:** 1192323-02-217 **Site Location:** 174 Route 52 – Electric Paradise Tanning

Photo #:	4
Date:	12/10/2024
Direction:	Fabuloso
Comments: Back 4.5 gallons used 0.0 ppb	



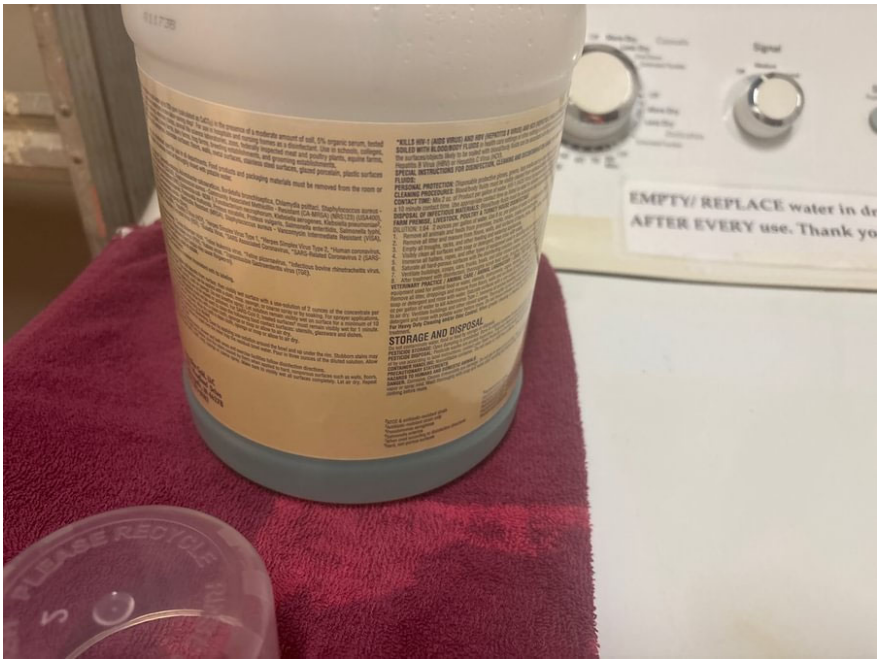
Client: Regency Center (formerly Urstadt Biddle Properties Inc) **Site Name:** UBPI/CarmelNY/GleneidaAve180	**Project:** 1192323-02-217 **Site Location:** 174 Route 52 – Electric Paradise Tanning

Photo #:	5
Date:	12/10/2024
Direction:	Australian Gold
Comments: Front	



Client: Regency Center (formerly Urstadt Biddle Properties Inc) **Site Name:** UBPI/CarmelNY/GleneidaAve180	**Project:** 1192323-02-217 **Site Location:** 174 Route 52 – Electric Paradise Tanning

Photo #:	6
Date:	12/10/2024
Direction:	Australian Gold
Comments: Rear used 2 gallons 150 ppb	



Client: Regency Center (formerly Urstadt Biddle Properties Inc) **Site Name:** UBPI/CarmelNY/GleneidaAve180	**Project:** 1192323-02-217 **Site Location:** 174 Route 52 – Electric Paradise Tanning

Photo #:	7
Date:	12/10/2024
Direction:	Paints
Comments: Used several gallons 0.0 ppb	



Client: Regency Center (formerly Urstadt Biddle Properties Inc) **Site Name:** UBPI/CarmelNY/GleneidaAve180	**Project:** 1192323-02-217 **Site Location:** 174 Route 52 – Electric Paradise Tanning

Photo #:	8
Date:	12/10/2024
Direction:	Berkley Jenson dryer sheets
Comments: Used open 160 ppb	



Client: Regency Center (formerly Urstadt Biddle Properties Inc) **Site Name:** UBPI/CarmelNY/GleneidaAve180	**Project:** 1192323-02-217 **Site Location:** 174 Route 52 – Electric Paradise Tanning

Photo #:	9
Date:	12/10/2024
Direction:	Dryer vent
Comments: Vents into closet 150 ppb from vent with dryer running	



Client: Regency Center (formerly Urstadt Biddle Properties Inc) **Site Name:** UBPI/CarmelNY/GleneidaAve180	**Project:** 1192323-02-217 **Site Location:** 174 Route 52 – Electric Paradise Tanning

Photo #:	10
Date:	12/10/2024
Direction:	
Comments:	

Client: Regency Center (formerly Urstadt Biddle Properties Inc) **Site Name:** UBPI/CarmelNY/GleneidaAve180	**Project:** 1192323-02-217 **Site Location:** 170 Route 52 – Chinatown Restaurant

Photo #:	1
Date:	12/09/2024
Direction:	SS-8

Comments:

SS-8
0 PPB



Client: Regency Center (formerly Urstadt Biddle Properties Inc) **Site Name:** UBPI/CarmelNY/GleneidaAve180	**Project:** 1192323-02-217 **Site Location:** 170 Route 52 – Chinatown Restaurant

Photo #:	2
Date:	12/09/2024
Direction:	SS-8

Comments:

SS-8 helium



Client: Regency Center (formerly Urstadt Biddle Properties Inc) **Site Name:** UBPI/CarmelNY/GleneidaAve180	**Project:** 1192323-02-217 **Site Location:** 170 Route 52 – Chinatown Restaurant

Photo #:	3
Date:	12/09/2024
Direction:	SS-7

Comments:

SS-7
0 PPB



Client: Regency Center (formerly Urstadt Biddle Properties Inc) **Site Name:** UBPI/CarmelNY/GleneidaAve180	**Project:** 1192323-02-217 **Site Location:** 170 Route 52 – Chinatown Restaurant

Photo #:	4
Date:	12/09/2024
Direction:	SS-7

Comments:

SS-7 helium
0 PPM



Client: Regency Center (formerly Urstadt Biddle Properties Inc) **Site Name:** UBPI/CarmelNY/GleneidaAve180	**Project:** 1192323-02-217 **Site Location:** 170 Route 52 – Chinatown Restaurant

Photo #:	1
Date:	12/10/2024
Direction:	SS-7

Comments:

SS-7
0.0 ppb



Client: Regency Center (formerly Urstadt Biddle Properties Inc) **Site Name:** UBPI/CarmelNY/GleneidaAve180	**Project:** 1192323-02-217 **Site Location:** 170 Route 52 – Chinatown Restaurant

Photo #:	2
Date:	12/10/2024
Direction:	SS-7

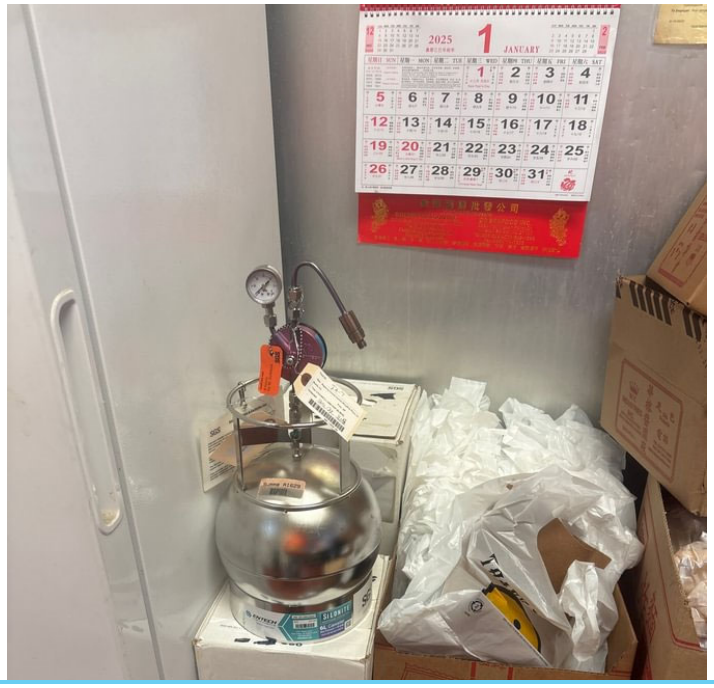
Comments:

SS-7 summa



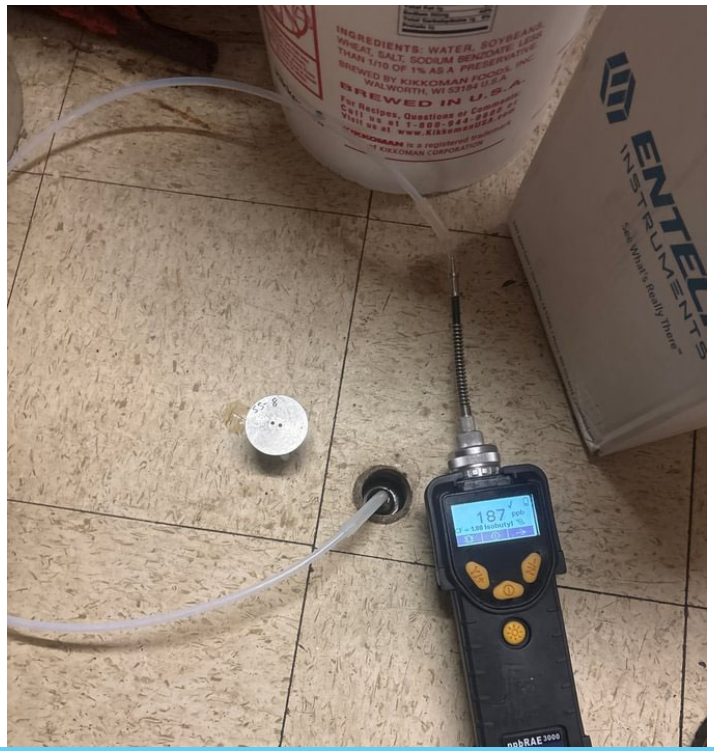
Client: Regency Center (formerly Urstadt Biddle Properties Inc) **Site Name:** UBPI/CarmelNY/GleneidaAve180	**Project:** 1192323-02-217 **Site Location:** 170 Route 52 – Chinatown Restaurant

Photo #:	3
Date:	12/10/2024
Direction:	IA-7
Comments: IA-7 summa	



Client: Regency Center (formerly Urstadt Biddle Properties Inc) **Site Name:** UBPI/CarmelNY/GleneidaAve180	**Project:** 1192323-02-217 **Site Location:** 170 Route 52 – Chinatown Restaurant

Photo #:	4
Date:	12/10/2024
Direction:	SS-8
Comments: SS-8 187 ppb	



Client: Regency Center (formerly Urstadt Biddle Properties Inc) **Site Name:** UBPI/CarmelNY/GleneidaAve180	**Project:** 1192323-02-217 **Site Location:** 170 Route 52 – Chinatown Restaurant

Photo #:	5
Date:	12/10/2024
Direction:	SS-8
Comments: SS-8 summa	



Client: Regency Center (formerly Urstadt Biddle Properties Inc) **Site Name:** UBPI/CarmelNY/GleneidaAve180	**Project:** 1192323-02-217 **Site Location:** 170 Route 52 – Chinatown Restaurant

Photo #:	6
Date:	12/10/2024
Direction:	IA-8
Comments: IA-8 summa	



Client: Regency Center (formerly Urstadt Biddle Properties Inc) **Site Name:** UBPI/CarmelNY/GleneidaAve180	**Project:** 1192323-02-217 **Site Location:** 170 Route 52 – Chinatown Restaurant

Photo #:	1
Date:	12/10/2024
Direction:	So Kleen
Comments: Front	



Client: Regency Center (formerly Urstadt Biddle Properties Inc) **Site Name:** UBPI/CarmelNY/GleneidaAve180	**Project:** 1192323-02-217 **Site Location:** 170 Route 52 – Chinatown Restaurant

Photo #:	2
Date:	12/10/2024
Direction:	So kleen
Comments: Back used. 6 gallons. 75 ppb	



Appendix C – Laboratory Analytical Results

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

Groundwater & Environmental Services

Regency Center Carmel ShopRite Plaza, Carmel, NY

1192323-02-210-1111

SGS Job Number: JE2490

Sampling Date: 12/10/24



Report to:

Groundwater & Environmental Services
63 East Street Suite 3
Pawling, NY 12564
MDegloria@GESOnline.com; neregion@gesonline.com

ATTN: Michael DeGloria

Total number of pages in report: **488**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable unless noted in the narrative, comments or footnotes.

Olga Azarian
Technical Director

Client Service contact: Marie Meidhof 732-329-0200
Certifications: NJ(12129),NY(10983),CA,CO,CT,FL,HI,IL,IN,KY,LA (120428),MA,MD,ME,MN,NC,NH,NV, AK (UST-103),AZ (AZ0786),PA(68-00408),RI,SC,TX (T104704234),UT,VA,WA,WV

This report shall not be reproduced, except in its entirety, without the written approval of SGS.
Test results relate only to samples analyzed.

SGS is the sole authority for authorizing edits or modifications to this document.
Unauthorized modification of this report is strictly prohibited.
Review standard terms at: http://www.sgs.com/en/terms-and-conditions

Please share your ideas about
how we can serve you better at:
EHS.US.CustomerCare@sgs.com

Sections: 1 2 3 4 5 6 7

Table of Contents

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **4**
Section 3: Summary of Hits **7**
Section 4: Sample Results **11**
4.1: JE2490-1: SS-1 12
4.2: JE2490-2: IA-1 15
4.3: JE2490-3: SS-2 18
4.4: JE2490-4: IA-2 21
Section 5: Misc. Forms **24**
5.1: Chain of Custody 25
5.2: Summa Canister and Flow Controller Log 27
5.3: Sample Tracking Chronicle 28
Section 6: MS Volatiles - QC Data Summaries **29**
6.1: Method Blank Summary 30
6.2: Blank Spike/Blank Spike Duplicate Summary 39
6.3: Duplicate Summary 49
6.4: Summa Cleaning Certification 56
6.5: Instrument Performance Checks (BFB) 59
6.6: Internal Standard Area Summaries 67
6.7: Initial Calibration RT/ISTD Area Summaries 71
6.8: Surrogate Recovery Summaries 125
6.9: Initial and Continuing Calibration Summaries 126
6.10: Run Sequence Reports 152
Section 7: MS Volatiles - Raw Data **158**
7.1: Samples 159
7.2: Method Blanks 257
7.3: Blank Spike/Blank Spike Duplicates 265
7.4: Duplicates 300
7.5: Summa Cleaning Certifications 343
7.6: Instrument Performance Checks (BFB) 345
7.7: Initial and Continuing Calibrations 357
7.8: Instrument Run Logs 480

SGS North America Inc.

Sample Summary

Groundwater & Environmental Services

Job No: JE2490

Regency Center Carmel ShopRite Plaza, Carmel, NY
Project No: 1192323-02-210-1111

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
This report contains results reported as ND = Not detected. The following applies:							
Organics ND = Not detected above the RL							
JE2490-1	12/10/24	18:25	RB	12/12/24	AIR	Soil Vapor Comp.	SS-1
JE2490-2	12/10/24	18:30	RB	12/12/24	AIR	Indoor Air Comp.	IA-1
JE2490-3	12/10/24	18:35	RB	12/12/24	AIR	Soil Vapor Comp.	SS-2
JE2490-4	12/10/24	18:40	RB	12/12/24	AIR	Indoor Air Comp.	IA-2

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	Groundwater & Environmental Services	**Job No:**	JE2490
Site:	Regency Center Carmel ShopRite Plaza, Carmel, NY	**Report Date**	12/26/2024 9:31:12 A

On 12/12/2024, 4 sample(s), 0 Trip Blank(s), 0 Equip. Blank(s) and 0 Field Blank(s) were received at SGS North America Inc. An SGS Job Number of JE2490 was assigned to the project. The lab sample ID, client sample ID, and date of sample collection are detailed in the report's Results Summary.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

MS Volatiles By Method TO-15

Matrix: AIR **Batch ID:** V5W2133

- All samples were analyzed within the recommended method holding time.
- Sample(s) JE2488-2DUP were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- The blank spike (BS) recovery(s) of 1,2,4-Trichlorobenzene, Bromoform, Hexachlorobutadiene, Methyl ethyl ketone are outside control limits.
- The duplicate RPD(s) for Methyl ethyl ketone are outside control limits for sample JE2488-2DUP. RPD acceptable due to low DUP and sample concentrations.
- JE2490-4 for 1,2,4-Trichlorobenzene: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2490-4 for Methyl ethyl ketone: Associated CCV outside of control limits high. This compound in blank spike is outside in house QC limits bias high.
- JE2490-4 for Ethyl Acetate: Associated CCV outside of control limits high. This compound in blank spike is outside in house QC limits bias high.
- JE2490-4 for Tetrahydrofuran: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2490-4 for Bromoform: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- V5W2133-BS for Methyl ethyl ketone: Outside in house control limits.
- V5W2133-BS for Hexachlorobutadiene: High percent recovery and no associated positive reported in the QC batch.
- V5W2133-BS for 1,2,4-Trichlorobenzene: High percent recovery and no associated positive reported in the QC batch.
- V5W2133-BS for Bromoform: High percent recovery and no associated positive reported in the QC batch.
- JE2490-4 for Hexachlorobutadiene: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.

Matrix: AIR **Batch ID:** V5W2136

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JE2665-1DUP were used as the QC samples indicated.
- Sample(s) JE2490-3, JE2490-4 have compounds reported with "E" qualifiers indicating estimated value exceeding calibration range.
- The blank spike (BS) recovery(s) of Bromoform, Hexachlorobutadiene, 1,2,4-Trichlorobenzene, 1,3-Butadiene, Acetone (2-Propanone), Methyl ethyl ketone, Tetrahydrofuran are outside control limits.
- The duplicate RPD(s) for 1,2,4-Trichlorobenzene, Naphthalene, o-Dichlorobenzene, Trichloroethylene are outside control limits for sample JE2665-1DUP. RPD acceptable due to low DUP and sample concentrations.
- V5W2136-BS for Bromoform: High percent recovery and no associated positive reported in the QC batch.

MS Volatiles By Method TO-15

Matrix: AIR **Batch ID:** V5W2136

- JE2490-1 for Tetrahydrofuran: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2490-1 for Bromoform: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2490-1 for 1,2,4-Trichlorobenzene: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- V5W2136-BS for Tetrahydrofuran: Outside in house control limits.
- V5W2136-BS for Methyl ethyl ketone: Outside in house control limits.
- V5W2136-BS for Acetone (2-Propanone): Outside in house control limits.
- V5W2136-BS for 1,3-Butadiene: Outside in house control limits.
- V5W2136-BS for Hexachlorobutadiene: High percent recovery and no associated positive reported in the QC batch.
- JE2490-4 for Ethanol: This compound in blank spike duplicate is outside in house QC limits bias low.
- JE2490-1 for Ethyl Acetate: Associated CCV outside of control limits high.
- V5W2136-BS for 1,2,4-Trichlorobenzene: Outside in house control limits.
- JE2490-3 for Acetone (2-Propanone): Associated CCV outside of control limits low. This compound in blank spike is outside in house QC limits bias low.
- JE2490-2 for Ethanol: This compound in blank spike duplicate is outside in house QC limits bias low.
- JE2490-1 for Hexachlorobutadiene: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2490-3 for Bromoform: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2490-3 for Hexachlorobutadiene: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2490-3 for Tetrahydrofuran: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2490-1 for Methyl ethyl ketone: Associated CCV outside of control limits high. This compound in blank spike is outside in house QC limits bias high.
- JE2490-3 for Methyl ethyl ketone: Associated CCV outside of control limits high. This compound in blank spike is outside in house QC limits bias high.
- JE2490-2 for Acetone (2-Propanone): Associated CCV outside of control limits low. This compound in blank spike is outside in house QC limits bias low.
- JE2490-3 for Vinyl Acetate: This compound in blank spike duplicate is outside in house QC limits bias high.
- JE2490-3 for Bromomethane: This compound in blank spike duplicate is outside in house QC limits bias low.
- JE2490-3 for Chloroethane: This compound in blank spike duplicate is outside in house QC limits bias low.
- JE2490-3 for Ethanol: This compound in blank spike duplicate is outside in house QC limits bias low.
- JE2490-3 for 1,3-Butadiene: This compound in blank spike is outside in house QC limits bias low.
- JE2490-4 for Acetone (2-Propanone): Associated CCV outside of control limits low. This compound in blank spike is outside in house QC limits bias low.
- JE2490-3 for Ethyl Acetate: Associated CCV outside of control limits high.
- JE2490-2 for Hexachlorobutadiene: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2490-1 for Acetone (2-Propanone): Associated CCV outside of control limits low. This compound in blank spike is outside in house QC limits bias low.
- JE2490-1 for Vinyl Acetate: This compound in blank spike duplicate is outside in house QC limits bias high.
- JE2490-1 for Bromomethane: This compound in blank spike duplicate is outside in house QC limits bias low.
- JE2490-1 for Chloroethane: This compound in blank spike duplicate is outside in house QC limits bias low.
- JE2490-1 for Ethanol: This compound in blank spike duplicate is outside in house QC limits bias low.

MS Volatiles By Method TO-15

Matrix: AIR **Batch ID:** V5W2136

- JE2490-1 for 1,3-Butadiene: This compound in blank spike is outside in house QC limits bias low.
- JE2490-3 for 1,2,4-Trichlorobenzene: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2490-2 for Bromoform: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2490-2 for 1,3-Butadiene: This compound in blank spike is outside in house QC limits bias low.
- JE2490-2 for Ethyl Acetate: Associated CCV outside of control limits high.
- JE2490-2 for Methyl ethyl ketone: Associated CCV outside of control limits high. This compound in blank spike is outside in house QC limits bias high.
- JE2490-2 for Tetrahydrofuran: Associated CCV outside of control limits high. This compound in blank spike is outside in house QC limits bias high.
- JE2490-2 for Vinyl Acetate: This compound in blank spike duplicate is outside in house QC limits bias high.
- JE2490-2 for Bromomethane: This compound in blank spike duplicate is outside in house QC limits bias low.
- JE2490-2 for Chloroethane: This compound in blank spike duplicate is outside in house QC limits bias low.
- JE2490-2 for 1,2,4-Trichlorobenzene: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.

Matrix: AIR **Batch ID:** V5W2138

- All samples were analyzed within the recommended method holding time.
- Sample(s) JE2315-1DUP were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

SGS certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting SGS's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

SGS is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. This report is authorized by SGS indicated via signature on the report cover.

Summary of Hits

Job Number: JE2490
Account: Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY
Collected: 12/10/24

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JE2490-1	**SS-1**					
Acetone (2-Propanone) [a]		32.0	1.0		ppbv	TO-15
Dichlorodifluoromethane		1.2	1.0		ppbv	TO-15
Ethanol [b]		244	2.5		ppbv	TO-15
Ethyl Acetate [c]		23.5	1.0		ppbv	TO-15
Isopropyl Alcohol		54.3	1.0		ppbv	TO-15
Methyl ethyl ketone [d]		2.1	1.0		ppbv	TO-15
Methylmethacrylate		3.4	1.0		ppbv	TO-15
Tertiary Butyl Alcohol		4.8	1.0		ppbv	TO-15
Tetrachloroethylene		1.8	0.20		ppbv	TO-15
Trichlorofluoromethane		242	2.0		ppbv	TO-15
Vinyl Acetate [e]		3.3	1.0		ppbv	TO-15
Acetone (2-Propanone) [a]		76.0	2.4		ug/m3	TO-15
Dichlorodifluoromethane		5.9	4.9		ug/m3	TO-15
Ethanol [b]		460	4.7		ug/m3	TO-15
Ethyl Acetate [c]		84.6	3.6		ug/m3	TO-15
Isopropyl Alcohol		133	2.5		ug/m3	TO-15
Methyl ethyl ketone [d]		6.2	2.9		ug/m3	TO-15
Methylmethacrylate		14	4.1		ug/m3	TO-15
Tertiary Butyl Alcohol		15	3.0		ug/m3	TO-15
Tetrachloroethylene		12	1.4		ug/m3	TO-15
Trichlorofluoromethane		1360	11		ug/m3	TO-15
Vinyl Acetate [e]		12	3.5		ug/m3	TO-15
JE2490-2	**IA-1**					
Acetone (2-Propanone) [a]		699	12		ppbv	TO-15
1,3-Butadiene [f]		0.36	0.16		ppbv	TO-15
Benzene		2.0	0.16		ppbv	TO-15
Chloroform		1.1	0.16		ppbv	TO-15
Chloromethane		0.63	0.16		ppbv	TO-15
Carbon tetrachloride		0.089	0.032		ppbv	TO-15
Dichlorodifluoromethane		0.48	0.16		ppbv	TO-15
Ethanol [b]		2840	29		ppbv	TO-15
Ethyl Acetate [c]		42.5	0.16		ppbv	TO-15
Heptane		12.6	0.16		ppbv	TO-15
Hexane		0.62	0.16		ppbv	TO-15
Isopropyl Alcohol		33.9	0.16		ppbv	TO-15
Methylene chloride		0.47	0.16		ppbv	TO-15
Methyl ethyl ketone [d]		1.6	0.16		ppbv	TO-15
Methylmethacrylate		43.0	12		ppbv	TO-15
Tertiary Butyl Alcohol		0.30	0.16		ppbv	TO-15
Tetrahydrofuran [d]		0.20	0.16		ppbv	TO-15
Toluene		0.91	0.16		ppbv	TO-15

Summary of Hits

Job Number: JE2490
Account: Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY
Collected: 12/10/24

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Trichlorofluoromethane		0.53	0.080		ppbv	TO-15
Vinyl Acetate [e]		2.2	0.16		ppbv	TO-15
m,p-Xylene		0.19	0.16		ppbv	TO-15
Xylenes (total)		0.28	0.16		ppbv	TO-15
Acetone (2-Propanone) [a]		1660	29		ug/m3	TO-15
1,3-Butadiene [f]		0.80	0.35		ug/m3	TO-15
Benzene		6.4	0.51		ug/m3	TO-15
Chloroform		5.4	0.78		ug/m3	TO-15
Chloromethane		1.3	0.33		ug/m3	TO-15
Carbon tetrachloride		0.56	0.20		ug/m3	TO-15
Dichlorodifluoromethane		2.4	0.79		ug/m3	TO-15
Ethanol [b]		5350	55		ug/m3	TO-15
Ethyl Acetate [c]		153	0.58		ug/m3	TO-15
Heptane		51.6	0.66		ug/m3	TO-15
Hexane		2.2	0.56		ug/m3	TO-15
Isopropyl Alcohol		83.3	0.39		ug/m3	TO-15
Methylene chloride		1.6	0.56		ug/m3	TO-15
Methyl ethyl ketone [d]		4.7	0.47		ug/m3	TO-15
Methylmethacrylate		176	49		ug/m3	TO-15
Tertiary Butyl Alcohol		0.91	0.49		ug/m3	TO-15
Tetrahydrofuran [d]		0.59	0.47		ug/m3	TO-15
Toluene		3.4	0.60		ug/m3	TO-15
Trichlorofluoromethane		3.0	0.45		ug/m3	TO-15
Vinyl Acetate [e]		7.7	0.56		ug/m3	TO-15
m,p-Xylene		0.83	0.69		ug/m3	TO-15
Xylenes (total)		1.2	0.69		ug/m3	TO-15
JE2490-3	**SS-2**					
Acetone (2-Propanone) [a]		31.3	0.40		ppbv	TO-15
Benzene		0.86	0.40		ppbv	TO-15
Dichlorodifluoromethane		3.0	0.40		ppbv	TO-15
m-Dichlorobenzene		0.32	0.20		ppbv	TO-15
Ethanol [b]		221 E	1.0		ppbv	TO-15
Ethyl Acetate [c]		19.6	0.40		ppbv	TO-15
Heptane		0.63	0.40		ppbv	TO-15
Hexane		0.68	0.40		ppbv	TO-15
Isopropyl Alcohol		49.4	0.40		ppbv	TO-15
Methylene chloride		0.71	0.40		ppbv	TO-15
Methyl ethyl ketone [d]		2.0	0.40		ppbv	TO-15
Methylmethacrylate		1.6	0.40		ppbv	TO-15
Tertiary Butyl Alcohol		6.2	0.40		ppbv	TO-15
Tetrachloroethylene		3.8	0.080		ppbv	TO-15
Toluene		0.75	0.40		ppbv	TO-15
Trichlorofluoromethane		72.8	0.20		ppbv	TO-15

Summary of Hits

Job Number: JE2490
Account: Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY
Collected: 12/10/24

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Vinyl Acetate [e]		1.0	0.40		ppbv	TO-15
Acetone (2-Propanone) [a]		74.4	0.95		ug/m3	TO-15
Benzene		2.7	1.3		ug/m3	TO-15
Dichlorodifluoromethane		15	2.0		ug/m3	TO-15
m-Dichlorobenzene		1.9	1.2		ug/m3	TO-15
Ethanol [b]		416 E	1.9		ug/m3	TO-15
Ethyl Acetate [c]		70.5	1.4		ug/m3	TO-15
Heptane		2.6	1.6		ug/m3	TO-15
Hexane		2.4	1.4		ug/m3	TO-15
Isopropyl Alcohol		121	0.98		ug/m3	TO-15
Methylene chloride		2.5	1.4		ug/m3	TO-15
Methyl ethyl ketone [d]		5.9	1.2		ug/m3	TO-15
Methylmethacrylate		6.6	1.6		ug/m3	TO-15
Tertiary Butyl Alcohol		19	1.2		ug/m3	TO-15
Tetrachloroethylene		26	0.54		ug/m3	TO-15
Toluene		2.8	1.5		ug/m3	TO-15
Trichlorofluoromethane		409	1.1		ug/m3	TO-15
Vinyl Acetate [e]		3.5	1.4		ug/m3	TO-15
JE2490-4	**IA-2**					
Acetone (2-Propanone) [a]		529	4.0		ppbv	TO-15
1,3-Butadiene		0.75	0.16		ppbv	TO-15
Benzene		3.6	0.16		ppbv	TO-15
Bromodichloromethane		0.12	0.080		ppbv	TO-15
Chloroform		2.8	0.16		ppbv	TO-15
Chloromethane		0.82	0.16		ppbv	TO-15
Carbon tetrachloride		0.091	0.032		ppbv	TO-15
Dichlorodifluoromethane		0.50	0.16		ppbv	TO-15
Ethanol [b]		4040 E	10		ppbv	TO-15
Ethyl Acetate [d]		24.9	0.16		ppbv	TO-15
Heptane		2.6	0.16		ppbv	TO-15
Hexane		0.89	0.16		ppbv	TO-15
2-Hexanone		0.16	0.16		ppbv	TO-15
Isopropyl Alcohol		38.6	0.16		ppbv	TO-15
Methylene chloride		0.46	0.16		ppbv	TO-15
Methyl ethyl ketone [d]		1.7	0.16		ppbv	TO-15
Methylmethacrylate		32.8	4.0		ppbv	TO-15
2,2,4-Trimethylpentane		0.18	0.16		ppbv	TO-15
Tertiary Butyl Alcohol		0.24	0.16		ppbv	TO-15
Toluene		0.91	0.16		ppbv	TO-15
Trichlorofluoromethane		0.64	0.080		ppbv	TO-15
Vinyl Acetate		3.6	0.16		ppbv	TO-15
m,p-Xylene		0.19	0.16		ppbv	TO-15
Xylenes (total)		0.28	0.16		ppbv	TO-15

Summary of Hits

Job Number: JE2490
Account: Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY
Collected: 12/10/24

Lab Sample ID / Client Sample ID / Analyte	Result/ Qual	RL	MDL	Units	Method
Acetone (2-Propanone) [a]	1260	9.5		ug/m3	TO-15
1,3-Butadiene	1.7	0.35		ug/m3	TO-15
Benzene	12	0.51		ug/m3	TO-15
Bromodichloromethane	0.80	0.54		ug/m3	TO-15
Chloroform	14	0.78		ug/m3	TO-15
Chloromethane	1.7	0.33		ug/m3	TO-15
Carbon tetrachloride	0.57	0.20		ug/m3	TO-15
Dichlorodifluoromethane	2.5	0.79		ug/m3	TO-15
Ethanol [b]	7610 E	19		ug/m3	TO-15
Ethyl Acetate [d]	89.6	0.58		ug/m3	TO-15
Heptane	11	0.66		ug/m3	TO-15
Hexane	3.1	0.56		ug/m3	TO-15
2-Hexanone	0.65	0.65		ug/m3	TO-15
Isopropyl Alcohol	94.9	0.39		ug/m3	TO-15
Methylene chloride	1.6	0.56		ug/m3	TO-15
Methyl ethyl ketone [d]	5.0	0.47		ug/m3	TO-15
Methylmethacrylate	134	16		ug/m3	TO-15
2,2,4-Trimethylpentane	0.84	0.75		ug/m3	TO-15
Tertiary Butyl Alcohol	0.73	0.49		ug/m3	TO-15
Toluene	3.4	0.60		ug/m3	TO-15
Trichlorofluoromethane	3.6	0.45		ug/m3	TO-15
Vinyl Acetate	13	0.56		ug/m3	TO-15
m,p-Xylene	0.83	0.69		ug/m3	TO-15
Xylenes (total)	1.2	0.69		ug/m3	TO-15

(a) Associated CCV outside of control limits low. This compound in blank spike is outside in house QC limits bias low.
(b) This compound in blank spike duplicate is outside in house QC limits bias low.
(c) Associated CCV outside of control limits high.
(d) Associated CCV outside of control limits high. This compound in blank spike is outside in house QC limits bias high.
(e) This compound in blank spike duplicate is outside in house QC limits bias high.
(f) This compound in blank spike is outside in house QC limits bias low.

Sample Results

Report of Analysis

SGS North America Inc.

Report of Analysis

Client Sample ID:	SS-1		
Lab Sample ID:	JE2490-1	**Date Sampled:**	12/10/24
Matrix:	AIR - Soil Vapor Comp. Summa ID: A761	**Date Received:**	12/12/24
Method:	TO-15	**Percent Solids:**	n/a
Project:	Regency Center Carmel ShopRite Plaza, Carmel, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5W55790.D	1	12/20/24 22:55	TCH	n/a	n/a	V5W2136
Run #2	5W55830.D	1	12/23/24 19:01	TCH	n/a	n/a	V5W2138

	Initial Volume
Run #1	80.0 ml
Run #2	20.0 ml

VOA TO15 List

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone (2-Propanone) [a]	32.0	1.0	ppbv		76.0	2.4	ug/m3
106-99-0	54.09	1,3-Butadiene [b]	ND	1.0	ppbv		ND	2.2	ug/m3
71-43-2	78.11	Benzene	ND	1.0	ppbv		ND	3.2	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.50	ppbv		ND	3.3	ug/m3
75-25-2	252.8	Bromoform [c]	ND	0.20	ppbv		ND	2.1	ug/m3
74-83-9	94.94	Bromomethane [d]	ND	1.0	ppbv		ND	3.9	ug/m3
593-60-2	106.9	Bromoethene	ND	1.0	ppbv		ND	4.4	ug/m3
100-44-7	126	Benzyl Chloride	ND	1.0	ppbv		ND	5.2	ug/m3
75-15-0	76.14	Carbon disulfide	ND	1.0	ppbv		ND	3.1	ug/m3
108-90-7	112.6	Chlorobenzene	ND	1.0	ppbv		ND	4.6	ug/m3
75-00-3	64.52	Chloroethane [d]	ND	1.0	ppbv		ND	2.6	ug/m3
67-66-3	119.4	Chloroform	ND	1.0	ppbv		ND	4.9	ug/m3
74-87-3	50.49	Chloromethane	ND	1.0	ppbv		ND	2.1	ug/m3
107-05-1	76.53	3-Chloropropene	ND	1.0	ppbv		ND	3.1	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	1.0	ppbv		ND	5.2	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	ppbv		ND	1.3	ug/m3
110-82-7	84.16	Cyclohexane	ND	1.0	ppbv		ND	3.4	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	1.0	ppbv		ND	4.0	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
106-93-4	187.9	1,2-Dibromoethane (EDB)	ND	0.50	ppbv		ND	3.8	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	1.0	ppbv		ND	4.0	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	1.0	ppbv		ND	4.6	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	1.0	ppbv		ND	3.6	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	1.2	1.0	ppbv		5.9	4.9	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.50	ppbv		ND	4.3	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	1.0	ppbv		ND	4.0	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	1.0	ppbv		ND	4.5	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.50	ppbv		ND	3.0	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.50	ppbv		ND	3.0	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	1.0	ppbv		ND	4.5	ug/m3

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS-1		
Lab Sample ID:	JE2490-1	**Date Sampled:**	12/10/24
Matrix:	AIR - Soil Vapor Comp. Summa ID: A761	**Date Received:**	12/12/24
Method:	TO-15	**Percent Solids:**	n/a
Project:	Regency Center Carmel ShopRite Plaza, Carmel, NY		

VOA TO15 List

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol [d]	244	2.5	ppbv		460	4.7	ug/m3
100-41-4	106.2	Ethylbenzene	ND	1.0	ppbv		ND	4.3	ug/m3
141-78-6	88	Ethyl Acetate [e]	23.5	1.0	ppbv		84.6	3.6	ug/m3
622-96-8	120.19	4-Ethyltoluene	ND	1.0	ppbv		ND	4.9	ug/m3
76-13-1	187.4	Freon 113	ND	0.50	ppbv		ND	3.8	ug/m3
76-14-2	170.9	Freon 114	ND	0.50	ppbv		ND	3.5	ug/m3
142-82-5	100.2	Heptane	ND	1.0	ppbv		ND	4.1	ug/m3
87-68-3	260.8	Hexachlorobutadiene [c]	ND	0.45	ppbv		ND	4.8	ug/m3
110-54-3	86.18	Hexane	ND	1.0	ppbv		ND	3.5	ug/m3
591-78-6	100	2-Hexanone	ND	1.0	ppbv		ND	4.1	ug/m3
67-63-0	60.1	Isopropyl Alcohol	54.3	1.0	ppbv		133	2.5	ug/m3
75-09-2	84.94	Methylene chloride	ND	1.0	ppbv		ND	3.5	ug/m3
78-93-3	72.11	Methyl ethyl ketone [f]	2.1	1.0	ppbv		6.2	2.9	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	1.0	ppbv		ND	4.1	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	1.0	ppbv		ND	3.6	ug/m3
80-62-6	100.12	Methylmethacrylate	3.4	1.0	ppbv		14	4.1	ug/m3
91-20-3	128.17	Naphthalene	ND	1.0	ppbv		ND	5.2	ug/m3
115-07-1	42	Propylene	ND	2.5	ppbv		ND	4.3	ug/m3
100-42-5	104.1	Styrene	ND	1.0	ppbv		ND	4.3	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.50	ppbv		ND	2.7	ug/m3
79-34-5	167.85	1,1,2,2-Tetrachloroethane	ND	0.50	ppbv		ND	3.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.50	ppbv		ND	2.7	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene [c]	ND	0.50	ppbv		ND	3.7	ug/m3
95-63-6	120.19	1,2,4-Trimethylbenzene	ND	1.0	ppbv		ND	4.9	ug/m3
108-67-8	120.19	1,3,5-Trimethylbenzene	ND	1.0	ppbv		ND	4.9	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	1.0	ppbv		ND	4.7	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	4.8	1.0	ppbv		15	3.0	ug/m3
127-18-4	165.8	Tetrachloroethylene	1.8	0.20	ppbv		12	1.4	ug/m3
109-99-9	72.11	Tetrahydrofuran [c]	ND	1.0	ppbv		ND	2.9	ug/m3
108-88-3	92.14	Toluene	ND	1.0	ppbv		ND	3.8	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.20	ppbv		ND	1.1	ug/m3
75-69-4	137.4	Trichlorofluoromethane	242 [g]	2.0	ppbv		1360 [g]	11	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	ppbv		ND	0.51	ug/m3
108-05-4	86	Vinyl Acetate [h]	3.3	1.0	ppbv		12	3.5	ug/m3
	106.2	m,p-Xylene	ND	1.0	ppbv		ND	4.3	ug/m3
95-47-6	106.2	o-Xylene	ND	1.0	ppbv		ND	4.3	ug/m3
1330-20-7	106.2	Xylenes (total)	ND	1.0	ppbv		ND	4.3	ug/m3

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS-1		
Lab Sample ID:	JE2490-1	**Date Sampled:**	12/10/24
Matrix:	AIR - Soil Vapor Comp. Summa ID: A761	**Date Received:**	12/12/24
Method:	TO-15	**Percent Solids:**	n/a
Project:	Regency Center Carmel ShopRite Plaza, Carmel, NY		

VOA TO15 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	113%	112%	65-128%

(a) Associated CCV outside of control limits low. This compound in blank spike is outside in house QC limits bias low.
(b) This compound in blank spike is outside in house QC limits bias low.
(c) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
(d) This compound in blank spike duplicate is outside in house QC limits bias low.
(e) Associated CCV outside of control limits high.
(f) Associated CCV outside of control limits high. This compound in blank spike is outside in house QC limits bias high.
(g) Result is from Run# 2
(h) This compound in blank spike duplicate is outside in house QC limits bias high.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	IA-1		
Lab Sample ID:	JE2490-2	**Date Sampled:**	12/10/24
Matrix:	AIR - Indoor Air Comp. Summa ID: A1736	**Date Received:**	12/12/24
Method:	TO-15	**Percent Solids:**	n/a
Project:	Regency Center Carmel ShopRite Plaza, Carmel, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5W55791.D	1.45	12/20/24 23:46	TCH	n/a	n/a	V5W2136
Run #2	5W55792.D	1.45	12/21/24 00:26	TCH	n/a	n/a	V5W2136

	Initial Volume
Run #1	725 ml
Run #2	10.0 ml

VOA TO15 List

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone (2-Propanone) [a]	699 [b]	12	ppbv		1660 [b]	29	ug/m3
106-99-0	54.09	1,3-Butadiene [c]	0.36	0.16	ppbv		0.80	0.35	ug/m3
71-43-2	78.11	Benzene	2.0	0.16	ppbv		6.4	0.51	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.080	ppbv		ND	0.54	ug/m3
75-25-2	252.8	Bromoform [d]	ND	0.032	ppbv		ND	0.33	ug/m3
74-83-9	94.94	Bromomethane [e]	ND	0.16	ppbv		ND	0.62	ug/m3
593-60-2	106.9	Bromoethene	ND	0.16	ppbv		ND	0.70	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.16	ppbv		ND	0.82	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.16	ppbv		ND	0.50	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.16	ppbv		ND	0.74	ug/m3
75-00-3	64.52	Chloroethane [e]	ND	0.16	ppbv		ND	0.42	ug/m3
67-66-3	119.4	Chloroform	1.1	0.16	ppbv		5.4	0.78	ug/m3
74-87-3	50.49	Chloromethane	0.63	0.16	ppbv		1.3	0.33	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.16	ppbv		ND	0.50	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.16	ppbv		ND	0.83	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.089	0.032	ppbv		0.56	0.20	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.16	ppbv		ND	0.55	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.16	ppbv		ND	0.65	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.032	ppbv		ND	0.13	ug/m3
106-93-4	187.9	1,2-Dibromoethane (EDB)	ND	0.080	ppbv		ND	0.61	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.16	ppbv		ND	0.65	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.16	ppbv		ND	0.74	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.16	ppbv		ND	0.58	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.48	0.16	ppbv		2.4	0.79	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.080	ppbv		ND	0.68	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.16	ppbv		ND	0.63	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.032	ppbv		ND	0.13	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.16	ppbv		ND	0.73	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.080	ppbv		ND	0.48	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.032	ppbv		ND	0.19	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.080	ppbv		ND	0.48	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.16	ppbv		ND	0.73	ug/m3

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IA-1		
Lab Sample ID:	JE2490-2	**Date Sampled:**	12/10/24
Matrix:	AIR - Indoor Air Comp. Summa ID: A1736	**Date Received:**	12/12/24
Method:	TO-15	**Percent Solids:**	n/a
Project:	Regency Center Carmel ShopRite Plaza, Carmel, NY		

VOA TO15 List

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol [e]	2840 [b]	29	ppbv		5350 [b]	55	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.16	ppbv		ND	0.69	ug/m3
141-78-6	88	Ethyl Acetate [f]	42.5	0.16	ppbv		153	0.58	ug/m3
622-96-8	120.19	4-Ethyltoluene	ND	0.16	ppbv		ND	0.79	ug/m3
76-13-1	187.4	Freon 113	ND	0.080	ppbv		ND	0.61	ug/m3
76-14-2	170.9	Freon 114	ND	0.080	ppbv		ND	0.56	ug/m3
142-82-5	100.2	Heptane	12.6	0.16	ppbv		51.6	0.66	ug/m3
87-68-3	260.8	Hexachlorobutadiene [d]	ND	0.072	ppbv		ND	0.77	ug/m3
110-54-3	86.18	Hexane	0.62	0.16	ppbv		2.2	0.56	ug/m3
591-78-6	100	2-Hexanone	ND	0.16	ppbv		ND	0.65	ug/m3
67-63-0	60.1	Isopropyl Alcohol	33.9	0.16	ppbv		83.3	0.39	ug/m3
75-09-2	84.94	Methylene chloride	0.47	0.16	ppbv		1.6	0.56	ug/m3
78-93-3	72.11	Methyl ethyl ketone [g]	1.6	0.16	ppbv		4.7	0.47	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.16	ppbv		ND	0.66	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.16	ppbv		ND	0.58	ug/m3
80-62-6	100.12	Methylmethacrylate	43.0 [b]	12	ppbv		176 [b]	49	ug/m3
91-20-3	128.17	Naphthalene	ND	0.16	ppbv		ND	0.84	ug/m3
115-07-1	42	Propylene	ND	0.40	ppbv		ND	0.69	ug/m3
100-42-5	104.1	Styrene	ND	0.16	ppbv		ND	0.68	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.080	ppbv		ND	0.44	ug/m3
79-34-5	167.85	1,1,2,2-Tetrachloroethane	ND	0.080	ppbv		ND	0.55	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.080	ppbv		ND	0.44	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene [d]	ND	0.080	ppbv		ND	0.59	ug/m3
95-63-6	120.19	1,2,4-Trimethylbenzene	ND	0.16	ppbv		ND	0.79	ug/m3
108-67-8	120.19	1,3,5-Trimethylbenzene	ND	0.16	ppbv		ND	0.79	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.16	ppbv		ND	0.75	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	0.30	0.16	ppbv		0.91	0.49	ug/m3
127-18-4	165.8	Tetrachloroethylene	ND	0.032	ppbv		ND	0.22	ug/m3
109-99-9	72.11	Tetrahydrofuran [g]	0.20	0.16	ppbv		0.59	0.47	ug/m3
108-88-3	92.14	Toluene	0.91	0.16	ppbv		3.4	0.60	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.032	ppbv		ND	0.17	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.53	0.080	ppbv		3.0	0.45	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.032	ppbv		ND	0.082	ug/m3
108-05-4	86	Vinyl Acetate [h]	2.2	0.16	ppbv		7.7	0.56	ug/m3
	106.2	m,p-Xylene	0.19	0.16	ppbv		0.83	0.69	ug/m3
95-47-6	106.2	o-Xylene	ND	0.16	ppbv		ND	0.69	ug/m3
1330-20-7	106.2	Xylenes (total)	0.28	0.16	ppbv		1.2	0.69	ug/m3

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IA-1		
Lab Sample ID:	JE2490-2	**Date Sampled:**	12/10/24
Matrix:	AIR - Indoor Air Comp. Summa ID: A1736	**Date Received:**	12/12/24
Method:	TO-15	**Percent Solids:**	n/a
Project:	Regency Center Carmel ShopRite Plaza, Carmel, NY		

VOA TO15 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	113%	111%	65-128%

(a) Associated CCV outside of control limits low. This compound in blank spike is outside in house QC limits bias low.
(b) Result is from Run# 2
(c) This compound in blank spike is outside in house QC limits bias low.
(d) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
(e) This compound in blank spike duplicate is outside in house QC limits bias low.
(f) Associated CCV outside of control limits high.
(g) Associated CCV outside of control limits high. This compound in blank spike is outside in house QC limits bias high.
(h) This compound in blank spike duplicate is outside in house QC limits bias high.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	SS-2		
Lab Sample ID:	JE2490-3	**Date Sampled:**	12/10/24
Matrix:	AIR - Soil Vapor Comp. Summa ID: A1293	**Date Received:**	12/12/24
Method:	TO-15	**Percent Solids:**	n/a
Project:	Regency Center Carmel ShopRite Plaza, Carmel, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5W55793.D	1	12/21/24 01:09	TCH	n/a	n/a	V5W2136
Run #2							

	Initial Volume
Run #1	200 ml
Run #2	

VOA TO15 List

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone (2-Propanone) [a]	31.3	0.40	ppbv		74.4	0.95	ug/m3
106-99-0	54.09	1,3-Butadiene [b]	ND	0.40	ppbv		ND	0.88	ug/m3
71-43-2	78.11	Benzene	0.86	0.40	ppbv		2.7	1.3	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	ppbv		ND	1.3	ug/m3
75-25-2	252.8	Bromoform [c]	ND	0.080	ppbv		ND	0.83	ug/m3
74-83-9	94.94	Bromomethane [d]	ND	0.40	ppbv		ND	1.6	ug/m3
593-60-2	106.9	Bromoethene	ND	0.40	ppbv		ND	1.7	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.40	ppbv		ND	2.1	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.40	ppbv		ND	1.2	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.40	ppbv		ND	1.8	ug/m3
75-00-3	64.52	Chloroethane [d]	ND	0.40	ppbv		ND	1.1	ug/m3
67-66-3	119.4	Chloroform	ND	0.40	ppbv		ND	2.0	ug/m3
74-87-3	50.49	Chloromethane	ND	0.40	ppbv		ND	0.83	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.40	ppbv		ND	1.3	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.40	ppbv		ND	2.1	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.080	ppbv		ND	0.50	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.40	ppbv		ND	1.4	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.40	ppbv		ND	1.6	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.080	ppbv		ND	0.32	ug/m3
106-93-4	187.9	1,2-Dibromoethane (EDB)	ND	0.20	ppbv		ND	1.5	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.40	ppbv		ND	1.6	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.40	ppbv		ND	1.8	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.40	ppbv		ND	1.4	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	3.0	0.40	ppbv		15	2.0	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	ppbv		ND	1.7	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.40	ppbv		ND	1.6	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.080	ppbv		ND	0.32	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.40	ppbv		ND	1.8	ug/m3
541-73-1	147	m-Dichlorobenzene	0.32	0.20	ppbv		1.9	1.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.080	ppbv		ND	0.48	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.40	ppbv		ND	1.8	ug/m3

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS-2		
Lab Sample ID:	JE2490-3	**Date Sampled:**	12/10/24
Matrix:	AIR - Soil Vapor Comp. Summa ID: A1293	**Date Received:**	12/12/24
Method:	TO-15	**Percent Solids:**	n/a
Project:	Regency Center Carmel ShopRite Plaza, Carmel, NY		

VOA TO15 List

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol [d]	221	1.0	ppbv	E	416	1.9	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.40	ppbv		ND	1.7	ug/m3
141-78-6	88	Ethyl Acetate [e]	19.6	0.40	ppbv		70.5	1.4	ug/m3
622-96-8	120.19	4-Ethyltoluene	ND	0.40	ppbv		ND	2.0	ug/m3
76-13-1	187.4	Freon 113	ND	0.20	ppbv		ND	1.5	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	ppbv		ND	1.4	ug/m3
142-82-5	100.2	Heptane	0.63	0.40	ppbv		2.6	1.6	ug/m3
87-68-3	260.8	Hexachlorobutadiene [c]	ND	0.18	ppbv		ND	1.9	ug/m3
110-54-3	86.18	Hexane	0.68	0.40	ppbv		2.4	1.4	ug/m3
591-78-6	100	2-Hexanone	ND	0.40	ppbv		ND	1.6	ug/m3
67-63-0	60.1	Isopropyl Alcohol	49.4	0.40	ppbv		121	0.98	ug/m3
75-09-2	84.94	Methylene chloride	0.71	0.40	ppbv		2.5	1.4	ug/m3
78-93-3	72.11	Methyl ethyl ketone [f]	2.0	0.40	ppbv		5.9	1.2	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.40	ppbv		ND	1.6	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.40	ppbv		ND	1.4	ug/m3
80-62-6	100.12	Methylmethacrylate	1.6	0.40	ppbv		6.6	1.6	ug/m3
91-20-3	128.17	Naphthalene	ND	0.40	ppbv		ND	2.1	ug/m3
115-07-1	42	Propylene	ND	1.0	ppbv		ND	1.7	ug/m3
100-42-5	104.1	Styrene	ND	0.40	ppbv		ND	1.7	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
79-34-5	167.85	1,1,2,2-Tetrachloroethane	ND	0.20	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene [c]	ND	0.20	ppbv		ND	1.5	ug/m3
95-63-6	120.19	1,2,4-Trimethylbenzene	ND	0.40	ppbv		ND	2.0	ug/m3
108-67-8	120.19	1,3,5-Trimethylbenzene	ND	0.40	ppbv		ND	2.0	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.40	ppbv		ND	1.9	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	6.2	0.40	ppbv		19	1.2	ug/m3
127-18-4	165.8	Tetrachloroethylene	3.8	0.080	ppbv		26	0.54	ug/m3
109-99-9	72.11	Tetrahydrofuran [c]	ND	0.40	ppbv		ND	1.2	ug/m3
108-88-3	92.14	Toluene	0.75	0.40	ppbv		2.8	1.5	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.080	ppbv		ND	0.43	ug/m3
75-69-4	137.4	Trichlorofluoromethane	72.8	0.20	ppbv		409	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.080	ppbv		ND	0.20	ug/m3
108-05-4	86	Vinyl Acetate [g]	1.0	0.40	ppbv		3.5	1.4	ug/m3
	106.2	m,p-Xylene	ND	0.40	ppbv		ND	1.7	ug/m3
95-47-6	106.2	o-Xylene	ND	0.40	ppbv		ND	1.7	ug/m3
1330-20-7	106.2	Xylenes (total)	ND	0.40	ppbv		ND	1.7	ug/m3

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS-2		
Lab Sample ID:	JE2490-3	**Date Sampled:**	12/10/24
Matrix:	AIR - Soil Vapor Comp. Summa ID: A1293	**Date Received:**	12/12/24
Method:	TO-15	**Percent Solids:**	n/a
Project:	Regency Center Carmel ShopRite Plaza, Carmel, NY		

VOA TO15 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	118%		65-128%

(a) Associated CCV outside of control limits low. This compound in blank spike is outside in house QC limits bias low.
(b) This compound in blank spike is outside in house QC limits bias low.
(c) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
(d) This compound in blank spike duplicate is outside in house QC limits bias low.
(e) Associated CCV outside of control limits high.
(f) Associated CCV outside of control limits high. This compound in blank spike is outside in house QC limits bias high.
(g) This compound in blank spike duplicate is outside in house QC limits bias high.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	IA-2		
Lab Sample ID:	JE2490-4	**Date Sampled:**	12/10/24
Matrix:	AIR - Indoor Air Comp. Summa ID: A2540	**Date Received:**	12/12/24
Method:	TO-15	**Percent Solids:**	n/a
Project:	Regency Center Carmel ShopRite Plaza, Carmel, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5W55721.D	1	12/18/24 12:42	TCH	n/a	n/a	V5W2133
Run #2	5W55794.D	1	12/21/24 01:49	TCH	n/a	n/a	V5W2136

	Initial Volume
Run #1	500 ml
Run #2	20.0 ml

VOA TO15 List

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone (2-Propanone) [a]	529 [b]	4.0	ppbv		1260 [b]	9.5	ug/m3
106-99-0	54.09	1,3-Butadiene	0.75	0.16	ppbv		1.7	0.35	ug/m3
71-43-2	78.11	Benzene	3.6	0.16	ppbv		12	0.51	ug/m3
75-27-4	163.8	Bromodichloromethane	0.12	0.080	ppbv		0.80	0.54	ug/m3
75-25-2	252.8	Bromoform [c]	ND	0.032	ppbv		ND	0.33	ug/m3
74-83-9	94.94	Bromomethane	ND	0.16	ppbv		ND	0.62	ug/m3
593-60-2	106.9	Bromoethene	ND	0.16	ppbv		ND	0.70	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.16	ppbv		ND	0.82	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.16	ppbv		ND	0.50	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.16	ppbv		ND	0.74	ug/m3
75-00-3	64.52	Chloroethane	ND	0.16	ppbv		ND	0.42	ug/m3
67-66-3	119.4	Chloroform	2.8	0.16	ppbv		14	0.78	ug/m3
74-87-3	50.49	Chloromethane	0.82	0.16	ppbv		1.7	0.33	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.16	ppbv		ND	0.50	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.16	ppbv		ND	0.83	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.091	0.032	ppbv		0.57	0.20	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.16	ppbv		ND	0.55	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.16	ppbv		ND	0.65	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.032	ppbv		ND	0.13	ug/m3
106-93-4	187.9	1,2-Dibromoethane (EDB)	ND	0.080	ppbv		ND	0.61	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.16	ppbv		ND	0.65	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.16	ppbv		ND	0.74	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.16	ppbv		ND	0.58	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.50	0.16	ppbv		2.5	0.79	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.080	ppbv		ND	0.68	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.16	ppbv		ND	0.63	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.032	ppbv		ND	0.13	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.16	ppbv		ND	0.73	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.080	ppbv		ND	0.48	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.032	ppbv		ND	0.19	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.080	ppbv		ND	0.48	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.16	ppbv		ND	0.73	ug/m3

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: IA-2
Lab Sample ID: JE2490-4
Matrix: AIR - Indoor Air Comp. Summa ID: A2540
Method: TO-15
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Date Sampled: 12/10/24
Date Received: 12/12/24
Percent Solids: n/a

VOA TO15 List

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol [d]	4040 [b]	10	ppbv	E	7610 [b]	19	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.16	ppbv		ND	0.69	ug/m3
141-78-6	88	Ethyl Acetate [e]	24.9	0.16	ppbv		89.6	0.58	ug/m3
622-96-8	120.19	4-Ethyltoluene	ND	0.16	ppbv		ND	0.79	ug/m3
76-13-1	187.4	Freon 113	ND	0.080	ppbv		ND	0.61	ug/m3
76-14-2	170.9	Freon 114	ND	0.080	ppbv		ND	0.56	ug/m3
142-82-5	100.2	Heptane	2.6	0.16	ppbv		11	0.66	ug/m3
87-68-3	260.8	Hexachlorobutadiene [c]	ND	0.072	ppbv		ND	0.77	ug/m3
110-54-3	86.18	Hexane	0.89	0.16	ppbv		3.1	0.56	ug/m3
591-78-6	100	2-Hexanone	0.16	0.16	ppbv		0.65	0.65	ug/m3
67-63-0	60.1	Isopropyl Alcohol	38.6	0.16	ppbv		94.9	0.39	ug/m3
75-09-2	84.94	Methylene chloride	0.46	0.16	ppbv		1.6	0.56	ug/m3
78-93-3	72.11	Methyl ethyl ketone [e]	1.7	0.16	ppbv		5.0	0.47	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.16	ppbv		ND	0.66	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.16	ppbv		ND	0.58	ug/m3
80-62-6	100.12	Methylmethacrylate	32.8 [b]	4.0	ppbv		134 [b]	16	ug/m3
91-20-3	128.17	Naphthalene	ND	0.16	ppbv		ND	0.84	ug/m3
115-07-1	42	Propylene	ND	0.40	ppbv		ND	0.69	ug/m3
100-42-5	104.1	Styrene	ND	0.16	ppbv		ND	0.68	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.080	ppbv		ND	0.44	ug/m3
79-34-5	167.85	1,1,2,2-Tetrachloroethane	ND	0.080	ppbv		ND	0.55	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.080	ppbv		ND	0.44	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene [c]	ND	0.080	ppbv		ND	0.59	ug/m3
95-63-6	120.19	1,2,4-Trimethylbenzene	ND	0.16	ppbv		ND	0.79	ug/m3
108-67-8	120.19	1,3,5-Trimethylbenzene	ND	0.16	ppbv		ND	0.79	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	0.18	0.16	ppbv		0.84	0.75	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	0.24	0.16	ppbv		0.73	0.49	ug/m3
127-18-4	165.8	Tetrachloroethylene	ND	0.032	ppbv		ND	0.22	ug/m3
109-99-9	72.11	Tetrahydrofuran [c]	ND	0.16	ppbv		ND	0.47	ug/m3
108-88-3	92.14	Toluene	0.91	0.16	ppbv		3.4	0.60	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.032	ppbv		ND	0.17	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.64	0.080	ppbv		3.6	0.45	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.032	ppbv		ND	0.082	ug/m3
108-05-4	86	Vinyl Acetate	3.6	0.16	ppbv		13	0.56	ug/m3
	106.2	m,p-Xylene	0.19	0.16	ppbv		0.83	0.69	ug/m3
95-47-6	106.2	o-Xylene	ND	0.16	ppbv		ND	0.69	ug/m3
1330-20-7	106.2	Xylenes (total)	0.28	0.16	ppbv		1.2	0.69	ug/m3

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IA-2		
Lab Sample ID:	JE2490-4	**Date Sampled:**	12/10/24
Matrix:	AIR - Indoor Air Comp. Summa ID: A2540	**Date Received:**	12/12/24
Method:	TO-15	**Percent Solids:**	n/a
Project:	Regency Center Carmel ShopRite Plaza, Carmel, NY		

VOA TO15 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	110%	109%	65-128%

(a) Associated CCV outside of control limits low. This compound in blank spike is outside in house QC limits bias low.
(b) Result is from Run# 2
(c) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
(d) This compound in blank spike duplicate is outside in house QC limits bias low.
(e) Associated CCV outside of control limits high. This compound in blank spike is outside in house QC limits bias high.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Summa Canister and Flow Controller Log
- Sample Tracking Chronicle

JE2490

AIR CHAIN OF CUSTODY

AIR

MM-112524-154

SGS ACCUTEST

SGS Accutest - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.accutest.com

FED-EX Tracking #: /
Bottle Order Control #: MM-012624-115
Lab Quote #:
Lab Job #:

PAGE 1 OF 1

Client / Reporting Information

Company Name: Groundwater & Environmental Services
Address: 63 East Street, Suite 3
City: Pawling | State: NY | Zip: 12564
Project Contact: Michael DeGloria | E-mail: MDegloria@GESOnline.com
Phone #: 866-839-5195 | Fax #:
Sampler(s) Name(s): R. Brown

Project Information

Project Name: Regency Center Carmel ShopRite Plaza, Carmel, NY
Street: 180 Glenida Avenue "EUROPA PIZZA"
City: Carmel | State: NY
Project #: 1192323-02-210 -111
Client Purchase Order #:
Invoice to GES, please reference Project #

Weather Parameters

Temperature (Fahrenheit): Start: 40 Maximum: 41 | Stop: 41 Minimum: 40
Atmosphpheric Pressure (inches of Hg): Start: 30.20 Maximum: 30.20 | Stop: 30.00 Minimum: 30.00
Other weather comment:

Requested Analysis

Lab Sample #	Field ID / Point of Collection	Air Type: Indoor(I) Soil Vap(SV) Ambient(A)	Sampling Equipment Info: Canister Serial #	Canister Size 6L or 1L	Flow Controller Serial #	Start Sampling Information: Date	Time (24hr clock)	Canister Pressure ("Hg)	Interior Temp (F)	Sampler Init.	Stop Sampling Information: Date	Time (24hr clock)	Canister Pressure ("Hg)	Interior Temp (F)	Sampler Init.	VTO15NYSVLL	VTO15NYLL		
1	SS-1	SV	A7101	6L	1121	12/10/24	1035	30.0	70	MB	12/10/24	1825	7.0	70	MB	X			
2	IA-1	I	A1776	6L	1159	12/10/24	1040	29.0	70	MB	12/10/24	1830	6.0	70	MB		X		
3	SS-2	SV	A1293	6L	1358	12/10/24	1045	30.0	70	MB	12/10/24	1835	5.5	70	MB	X			
4	IA-2	I	A2540	6L	1170	12/10/24	1048	29.0	70	MB	12/10/24	1840	1.0	70	MB		X		

Initial Assessment HAHR
Label Verification

Turnaround Time (Business days)

Standard - 15 Days: GES Std
10 Day
5 Day
3 Day
2 Day
1 Day
Other

Approved By:
Date:

Data Deliverable Information

All NJDEP TO-15 is mandatory Full T1
Comm A
Comm B
Reduced T2
Full T1
Other:
DKQP reporting

Comments / Remarks

VTO15NYSVLL - soil vapor, VTO15NYLL - indoor/ambient
NYCATB Report

Sample Inventory is verified upon receipt in the Laboratory

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	12/10/24 1035	1 LHN Office FEDEX 12/12/24	2	12/11/24 0830	2 FEDEX
Relinquished by: FEDEX	Date Time: 12/12/24 1100	Received By:	Relinquished By:	Date Time:	Received By:
3		3	4		4
Relinquished by:	Date Time:	Received By:	Custody Seal #		
5		5			

SGS Sample Receipt Summary

Job Number: JE2490 **Client:** GROUNDWATER & ENVIRONMENTAL SE **Project:** REGENCY CENTER CARMEL SHOPRITE

Date / Time Received: 12/12/2024 11:00:00 AM **Delivery Method:** FEDEX **Airbill #'s:**

Cooler Temps (Raw Measured) °C:

Cooler Temps (Corrected) °C:

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☐		☐
2. Cooler temp verification:	N/A		
3. Cooler media:	N/A		
4. No. Coolers:	N/A		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☑	☐
2. Trip Blank listed on COC:	☐		☑	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Test Strip Lot #s: pH 1-12: 231619 pH 12+: 203117A Other: (Specify)

Comments

SM089-03
Rev. Date 12/7/17

JE2490: Chain of Custody
Page 2 of 2

Summa Canister and Flow Controller Log

Job Number: JE2490
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY
Received: 12/12/24

SUMMA CANISTERS

Shipping							Receiving					
Summa ID	L	Vac " Hg	Date Out	By	SCC Batch	SCC FileID	Sample Number	Date In	By	Vac " Hg	Pres psig	Final psig	Dil Fact
A761	6	29.5	12/03/24	JT	CP12922	7W10671.D	JE2490-1	12/12/24	RC	6.5			1
A1736	6	29.5	12/03/24	JT	CP12922	7W10671.D	JE2490-2	12/12/24	RC	5.5			1
A1293	6	29.5	12/03/24	JT	CP12922	7W10671.D	JE2490-3	12/12/24	RC	6			1
A2540	6	29.5	12/03/24	JT	CP12922	7W10671.D	JE2490-4	12/12/24	RC	2.5			1

FLOW CONTROLLERS / OTHER

Shipping					Receiving				
Flow Crtl ID	Date Out	By	cc/ min	Time hrs.	Date In	By	cc/ min	Flow RPD	Equipment Type
FC1121	12/03/24	JT	10.3	8	12/12/24	RC	10.6	2.9	Flow Controller
FC1159	12/03/24	JT	10.5	8	12/12/24	RC	10.7	1.9	Flow Controller
FC1170	12/03/24	JT	10.5	8	12/12/24	RC	11.3	7.3	Flow Controller
FC1358	12/03/24	JT	10.3	8	12/12/24	RC	10.6	2.9	Flow Controller

SGS Bottle Order(s):
MM-112524-154

Prep Date	Room Temp(F)	Bar Pres "Hg
12/03/24	70	29.92

Internal Sample Tracking Chronicle

Groundwater & Environmental Services

Job No: JE2490

Regency Center Carmel ShopRite Plaza, Carmel, NY
Project No: 1192323-02-210-1111

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JE2490-1 SS-1	Collected: 10-DEC-24 18:25 By: RB		Received: 12-DEC-24 By: HR			
JE2490-1	TO-15	20-DEC-24 22:55	TCH			VTO15NYSVLL
JE2490-1	TO-15	23-DEC-24 19:01	TCH			VTO15NYSVLL
JE2490-2 IA-1	Collected: 10-DEC-24 18:30 By: RB		Received: 12-DEC-24 By: HR			
JE2490-2	TO-15	20-DEC-24 23:46	TCH			VTO15NYLL
JE2490-2	TO-15	21-DEC-24 00:26	TCH			VTO15NYLL
JE2490-3 SS-2	Collected: 10-DEC-24 18:35 By: RB		Received: 12-DEC-24 By: HR			
JE2490-3	TO-15	21-DEC-24 01:09	TCH			VTO15NYSVLL
JE2490-4 IA-2	Collected: 10-DEC-24 18:40 By: RB		Received: 12-DEC-24 By: HR			
JE2490-4	TO-15	18-DEC-24 12:42	TCH			VTO15NYLL
JE2490-4	TO-15	21-DEC-24 01:49	TCH			VTO15NYLL

MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Internal Standard Area Summaries
- Initial Calibration RT/ISTD Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries
- Run Sequence Reports

Method Blank Summary

Job Number: JE2490
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W2133-MB	5W55706.D	1	12/18/24	TCH	n/a	n/a	V5W2133

The QC reported here applies to the following samples: **Method:** TO-15

JE2490-4

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
106-99-0	1,3-Butadiene	ND	0.20	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane (EDB)	ND	0.20	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	ppbv		ND	0.91	ug/m3
100-41-4	Ethylbenzene	ND	0.20	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	ppbv		ND	0.98	ug/m3
76-13-1	Freon 113	ND	0.20	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	ppbv		ND	1.4	ug/m3

Method Blank Summary

Job Number: JE2490
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W2133-MB	5W55706.D	1	12/18/24	TCH	n/a	n/a	V5W2133

The QC reported here applies to the following samples: **Method:** TO-15

JE2490-4

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
142-82-5	Heptane	ND	0.20	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	ppbv		ND	0.72	ug/m3
91-20-3	Naphthalene	ND	0.20	ppbv		ND	1.0	ug/m3
115-07-1	Propylene	ND	0.50	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	ppbv		ND	0.87	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	110%	65-128%

Method Blank Summary

Job Number: JE2490
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W2136-MB	5W55783.D	1	12/20/24	TCH	n/a	n/a	V5W2136

The QC reported here applies to the following samples: **Method:** TO-15

JE2490-1, JE2490-2, JE2490-3, JE2490-4

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
67-64-1	Acetone (2-Propanone)	ND	0.20	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane (EDB)	ND	0.20	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	ppbv		ND	0.98	ug/m3

Method Blank Summary

Job Number: JE2490
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W2136-MB	5W55783.D	1	12/20/24	TCH	n/a	n/a	V5W2136

The QC reported here applies to the following samples: **Method:** TO-15

JE2490-1, JE2490-2, JE2490-3, JE2490-4

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	ppbv		ND	0.72	ug/m3
80-62-6	Methylmethacrylate	ND	0.20	ppbv		ND	0.82	ug/m3
91-20-3	Naphthalene	ND	0.20	ppbv		ND	1.0	ug/m3
115-07-1	Propylene	ND	0.50	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	ppbv		ND	0.87	ug/m3

Method Blank Summary

Job Number: JE2490
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W2136-MB	5W55783.D	1	12/20/24	TCH	n/a	n/a	V5W2136

The QC reported here applies to the following samples: **Method:** TO-15

JE2490-1, JE2490-2, JE2490-3, JE2490-4

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	111%	65-128%

Method Blank Summary

Job Number: JE2490
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W2138-MB	5W55823.D	1	12/23/24	TCH	n/a	n/a	V5W2138

The QC reported here applies to the following samples: **Method:** TO-15

JE2490-1

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
75-69-4	Trichlorofluoromethane	ND	0.20	ppbv		ND	1.1	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	109%	65-128%

Method Blank Summary

Job Number: JE2490
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W387-MB	7W10580.D	1	11/18/24	BK	n/a	n/a	V7W387

The QC reported here applies to the following samples: **Method:** TO-15

V7W387-SCC

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
67-64-1	Acetone (2-Propanone)	ND	0.20	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane (EDB)	ND	0.20	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	ppbv		ND	0.98	ug/m3

Method Blank Summary

Job Number: JE2490
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W387-MB	7W10580.D	1	11/18/24	BK	n/a	n/a	V7W387

The QC reported here applies to the following samples: **Method:** TO-15

V7W387-SCC

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	ppbv		ND	0.72	ug/m3
80-62-6	Methylmethacrylate	ND	0.20	ppbv		ND	0.82	ug/m3
91-20-3	Naphthalene	ND	0.20	ppbv		ND	1.0	ug/m3
115-07-1	Propylene	ND	0.50	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	ppbv		ND	0.87	ug/m3

Method Blank Summary

Job Number: JE2490
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W387-MB	7W10580.D	1	11/18/24	BK	n/a	n/a	V7W387

The QC reported here applies to the following samples: **Method:** TO-15

V7W387-SCC

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	88%	65-128%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	1.61	7.3	ppbv	J
	Total TIC, Volatile		0	ppbv	

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE2490
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W2133-BS	5W55701.D	1	12/17/24	TCH	n/a	n/a	V5W2133
V5W2133-BSD	5W55703.D	1	12/17/24	TCH	n/a	n/a	V5W2133

The QC reported here applies to the following samples: **Method:** TO-15

JE2490-4

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
106-99-0	1,3-Butadiene	10.8	9.4	87	9.8	91	4	70-130/30
71-43-2	Benzene	11	11.9	108	12.3	112	3	70-130/30
75-27-4	Bromodichloromethane	10.5	12.1	115	12.4	118	2	70-130/30
75-25-2	Bromoform	10.7	14.7	137* [a]	14.7	137* [a]	0	70-130/30
74-83-9	Bromomethane	10.5	9.1	87	9.2	88	1	70-130/30
593-60-2	Bromoethene	10.6	9.9	93	10.1	95	2	70-130/30
100-44-7	Benzyl Chloride	10.4	11.1	107	11.0	106	1	70-130/30
75-15-0	Carbon disulfide	10.6	12.4	117	12.6	119	2	70-130/30
108-90-7	Chlorobenzene	10.8	9.9	92	10.1	94	2	70-130/30
75-00-3	Chloroethane	10.4	9.3	89	9.3	89	0	70-130/30
67-66-3	Chloroform	10.8	12.4	115	12.6	117	2	70-130/30
74-87-3	Chloromethane	10.4	9.5	91	10.1	97	6	70-130/30
107-05-1	3-Chloropropene	10.5	12.6	120	12.8	122	2	70-130/30
95-49-8	2-Chlorotoluene	10.3	10.1	98	10.0	97	1	70-130/30
56-23-5	Carbon tetrachloride	10.8	12.3	114	12.4	115	1	70-130/30
110-82-7	Cyclohexane	10.9	12.3	113	12.7	117	3	70-130/30
75-34-3	1,1-Dichloroethane	10.7	12.1	113	12.2	114	1	70-130/30
75-35-4	1,1-Dichloroethylene	10.7	11.2	105	11.7	109	4	70-130/30
106-93-4	1,2-Dibromoethane (EDB)	11	11.2	102	11.3	103	1	70-130/30
107-06-2	1,2-Dichloroethane	10.9	13.6	125	13.8	127	1	70-130/30
78-87-5	1,2-Dichloropropane	10.5	10.9	104	11.3	108	4	70-130/30
123-91-1	1,4-Dioxane	10.5	11.3	108	12.0	114	6	70-130/30
75-71-8	Dichlorodifluoromethane	10.6	12.3	116	11.9	112	3	70-130/30
124-48-1	Dibromochloromethane	10.5	10.8	103	11.1	106	3	70-130/30
156-60-5	trans-1,2-Dichloroethylene	10.5	11.3	108	11.5	110	2	70-130/30
156-59-2	cis-1,2-Dichloroethylene	10.7	11.7	109	11.8	110	1	70-130/30
10061-01-5	cis-1,3-Dichloropropene	10.7	12.8	120	13.1	122	2	70-130/30
541-73-1	m-Dichlorobenzene	10.4	10.8	104	10.7	103	1	70-130/30
95-50-1	o-Dichlorobenzene	10.7	10.9	102	10.6	99	3	70-130/30
106-46-7	p-Dichlorobenzene	10.9	11.3	104	11.0	101	3	70-130/30
10061-02-6	trans-1,3-Dichloropropene	10.2	12.6	124	13.0	127	3	70-130/30
100-41-4	Ethylbenzene	11	11.8	107	11.9	108	1	70-130/30
141-78-6	Ethyl Acetate	10.8	14.0	130	14.4	133* [b]	3	70-130/30
622-96-8	4-Ethyltoluene	10.9	11.6	106	11.5	106	1	70-130/30
76-13-1	Freon 113	10.6	12.8	121	12.9	122	1	70-130/30
76-14-2	Freon 114	11	10.8	98	11.2	102	4	70-130/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE2490
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W2133-BS	5W55701.D	1	12/17/24	TCH	n/a	n/a	V5W2133
V5W2133-BSD	5W55703.D	1	12/17/24	TCH	n/a	n/a	V5W2133

The QC reported here applies to the following samples: **Method:** TO-15

JE2490-4

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
142-82-5	Heptane	11	13.1	119	13.6	124	4	70-130/30
87-68-3	Hexachlorobutadiene	10.8	16.4	152* [a]	15.2	141* [a]	8	70-130/30
110-54-3	Hexane	10.8	12.4	115	12.6	117	2	70-130/30
591-78-6	2-Hexanone	10.6	12.8	121	13.2	125	3	70-130/30
67-63-0	Isopropyl Alcohol	10.6	11.8	111	11.2	106	5	70-130/30
75-09-2	Methylene chloride	10.5	10.6	101	11.1	106	5	70-130/30
78-93-3	Methyl ethyl ketone	10.8	14.2	131* [b]	14.4	133* [b]	1	70-130/30
108-10-1	Methyl Isobutyl Ketone	10.8	12.8	119	13.1	121	2	70-130/30
1634-04-4	Methyl Tert Butyl Ether	10.8	13.3	123	13.5	125	1	70-130/30
91-20-3	Naphthalene	10.9	10.7	98	10.1	93	6	70-130/30
115-07-1	Propylene	10.9	12.3	113	12.1	111	2	70-130/30
100-42-5	Styrene	11	12.0	109	12.1	110	1	70-130/30
71-55-6	1,1,1-Trichloroethane	10.8	12.3	114	12.5	116	2	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	10.9	11.3	104	11.5	106	2	70-130/30
79-00-5	1,1,2-Trichloroethane	10.7	11.6	108	11.9	111	3	70-130/30
120-82-1	1,2,4-Trichlorobenzene	10.9	14.3	131* [a]	13.0	119	10	70-130/30
95-63-6	1,2,4-Trimethylbenzene	11	11.7	106	11.7	106	0	70-130/30
108-67-8	1,3,5-Trimethylbenzene	10.9	11.3	104	11.3	104	0	70-130/30
540-84-1	2,2,4-Trimethylpentane	10.8	12.0	111	12.4	115	3	70-130/30
75-65-0	Tertiary Butyl Alcohol	9.9	12.0	121	12.5	126	4	70-130/30
127-18-4	Tetrachloroethylene	10.9	11.9	109	12.0	110	1	70-130/30
109-99-9	Tetrahydrofuran	10.5	13.5	129	14.0	133* [b]	4	70-130/30
108-88-3	Toluene	10.6	11.3	107	11.5	108	2	70-130/30
79-01-6	Trichloroethylene	10.5	10.9	104	11.2	107	3	70-130/30
75-69-4	Trichlorofluoromethane	10.6	11.6	109	11.4	108	2	70-130/30
75-01-4	Vinyl chloride	10.3	9.6	93	10.1	98	5	70-130/30
108-05-4	Vinyl Acetate	10.4	12.3	118	12.6	121	2	70-130/30
	m,p-Xylene	21.4	21.7	101	22.0	103	1	70-130/30
95-47-6	o-Xylene	10.9	11.1	102	11.2	103	1	70-130/30
1330-20-7	Xylenes (total)	32.3	32.8	102	33.2	103	1	70-130/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	100%	99%	65-128%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE2490
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W2133-BS	5W55701.D	1	12/17/24	TCH	n/a	n/a	V5W2133
V5W2133-BSD	5W55703.D	1	12/17/24	TCH	n/a	n/a	V5W2133

The QC reported here applies to the following samples: **Method:** TO-15

JE2490-4

(a) High percent recovery and no associated positive reported in the QC batch.
(b) Outside in house control limits.

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE2490
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W2136-BS	5W55779.D	1	12/20/24	TCH	n/a	n/a	V5W2136
V5W2136-BSD	5W55781.D	1	12/20/24	TCH	n/a	n/a	V5W2136

The QC reported here applies to the following samples: **Method:** TO-15

JE2490-1, JE2490-2, JE2490-3, JE2490-4

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone (2-Propanone)	10.3	6.0	58* [a]	5.9	57* [a]	2	70-130/30
106-99-0	1,3-Butadiene	10.8	7.4	69* [a]	7.0	65* [a]	6	70-130/30
71-43-2	Benzene	11	12.4	113	12.5	114	1	70-130/30
75-27-4	Bromodichloromethane	10.5	11.7	111	11.6	110	1	70-130/30
75-25-2	Bromoform	10.7	15.7	147* [b]	15.9	149* [b]	1	70-130/30
74-83-9	Bromomethane	10.5	7.6	72	7.2	69* [a]	5	70-130/30
593-60-2	Bromoethene	10.6	8.4	79	8.0	75	5	70-130/30
100-44-7	Benzyl Chloride	10.4	11.1	107	10.9	105	2	70-130/30
75-15-0	Carbon disulfide	10.6	12.5	118	12.6	119	1	70-130/30
108-90-7	Chlorobenzene	10.8	10.8	100	10.9	101	1	70-130/30
75-00-3	Chloroethane	10.4	7.4	71	7.0	67* [a]	6	70-130/30
67-66-3	Chloroform	10.8	12.3	114	12.1	112	2	70-130/30
74-87-3	Chloromethane	10.4	7.9	76	7.4	71	7	70-130/30
107-05-1	3-Chloropropene	10.5	13.0	124	13.1	125	1	70-130/30
95-49-8	2-Chlorotoluene	10.3	11.5	112	11.3	110	2	70-130/30
56-23-5	Carbon tetrachloride	10.8	12.4	115	12.1	112	2	70-130/30
110-82-7	Cyclohexane	10.9	12.9	118	13.2	121	2	70-130/30
75-34-3	1,1-Dichloroethane	10.7	12.1	113	11.8	110	3	70-130/30
75-35-4	1,1-Dichloroethylene	10.7	11.8	110	12.1	113	3	70-130/30
106-93-4	1,2-Dibromoethane (EDB)	11	12.0	109	12.2	111	2	70-130/30
107-06-2	1,2-Dichloroethane	10.9	12.7	117	12.2	112	4	70-130/30
78-87-5	1,2-Dichloropropane	10.5	10.8	103	10.7	102	1	70-130/30
123-91-1	1,4-Dioxane	10.5	11.6	110	11.7	111	1	70-130/30
75-71-8	Dichlorodifluoromethane	10.6	11.9	112	11.2	106	6	70-130/30
124-48-1	Dibromochloromethane	10.5	11.7	111	12.0	114	3	70-130/30
156-60-5	trans-1,2-Dichloroethylene	10.5	11.8	112	11.8	112	0	70-130/30
156-59-2	cis-1,2-Dichloroethylene	10.7	12.2	114	12.1	113	1	70-130/30
10061-01-5	cis-1,3-Dichloropropene	10.7	12.9	121	12.9	121	0	70-130/30
541-73-1	m-Dichlorobenzene	10.4	11.4	110	11.1	107	3	70-130/30
95-50-1	o-Dichlorobenzene	10.7	11.7	109	11.2	105	4	70-130/30
106-46-7	p-Dichlorobenzene	10.9	12.2	112	11.8	108	3	70-130/30
10061-02-6	trans-1,3-Dichloropropene	10.2	12.7	125	12.6	124	1	70-130/30
64-17-5	Ethanol	10.2	7.4	73	6.7	66* [a]	10	70-130/30
100-41-4	Ethylbenzene	11	12.6	115	12.8	116	2	70-130/30
141-78-6	Ethyl Acetate	10.8	13.5	125	13.5	125	0	70-130/30
622-96-8	4-Ethyltoluene	10.9	12.7	117	12.4	114	2	70-130/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE2490
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W2136-BS	5W55779.D	1	12/20/24	TCH	n/a	n/a	V5W2136
V5W2136-BSD	5W55781.D	1	12/20/24	TCH	n/a	n/a	V5W2136

The QC reported here applies to the following samples: **Method:** TO-15

JE2490-1, JE2490-2, JE2490-3, JE2490-4

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
76-13-1	Freon 113	10.6	13.1	124	13.3	125	2	70-130/30
76-14-2	Freon 114	11	8.9	81	8.5	77	5	70-130/30
142-82-5	Heptane	11	12.7	115	12.6	115	1	70-130/30
87-68-3	Hexachlorobutadiene	10.8	18.5	171* [b]	17.0	157* [b]	8	70-130/30
110-54-3	Hexane	10.8	12.1	112	11.9	110	2	70-130/30
591-78-6	2-Hexanone	10.6	13.1	124	13.4	126	2	70-130/30
67-63-0	Isopropyl Alcohol	10.6	11.1	105	11.0	104	1	70-130/30
75-09-2	Methylene chloride	10.5	11.0	105	11.2	107	2	70-130/30
78-93-3	Methyl ethyl ketone	10.8	14.8	137* [a]	14.8	137* [a]	0	70-130/30
108-10-1	Methyl Isobutyl Ketone	10.8	12.4	115	12.6	117	2	70-130/30
1634-04-4	Methyl Tert Butyl Ether	10.8	13.4	124	13.3	123	1	70-130/30
80-62-6	Methylmethacrylate	10.9	13.4	123	13.5	124	1	70-130/30
91-20-3	Naphthalene	10.9	12.3	113	11.3	104	8	70-130/30
115-07-1	Propylene	10.9	12.4	114	11.6	106	7	70-130/30
100-42-5	Styrene	11	13.4	122	13.4	122	0	70-130/30
71-55-6	1,1,1-Trichloroethane	10.8	12.2	113	11.8	109	3	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	10.9	11.3	104	11.3	104	0	70-130/30
79-00-5	1,1,2-Trichloroethane	10.7	11.5	107	11.6	108	1	70-130/30
120-82-1	1,2,4-Trichlorobenzene	10.9	16.7	153* [a]	15.0	138* [a]	11	70-130/30
95-63-6	1,2,4-Trimethylbenzene	11	12.2	111	11.9	108	2	70-130/30
108-67-8	1,3,5-Trimethylbenzene	10.9	12.3	113	12.0	110	2	70-130/30
540-84-1	2,2,4-Trimethylpentane	10.8	11.6	107	11.7	108	1	70-130/30
75-65-0	Tertiary Butyl Alcohol	9.9	11.7	118	11.5	116	2	70-130/30
127-18-4	Tetrachloroethylene	10.9	13.2	121	13.4	123	2	70-130/30
109-99-9	Tetrahydrofuran	10.5	14.3	136* [a]	14.0	133* [a]	2	70-130/30
108-88-3	Toluene	10.6	11.9	112	11.8	111	1	70-130/30
79-01-6	Trichloroethylene	10.5	10.8	103	10.9	104	1	70-130/30
75-69-4	Trichlorofluoromethane	10.6	10.9	103	10.8	102	1	70-130/30
75-01-4	Vinyl chloride	10.3	7.6	74	7.2	70	5	70-130/30
108-05-4	Vinyl Acetate	10.4	13.3	128	13.8	133* [a]	4	70-130/30
	m,p-Xylene	21.4	23.9	112	24.2	113	1	70-130/30
95-47-6	o-Xylene	10.9	11.9	109	11.9	109	0	70-130/30
1330-20-7	Xylenes (total)	32.3	35.8	111	36.1	112	1	70-130/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE2490
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W2136-BS	5W55779.D	1	12/20/24	TCH	n/a	n/a	V5W2136
V5W2136-BSD	5W55781.D	1	12/20/24	TCH	n/a	n/a	V5W2136

The QC reported here applies to the following samples: **Method:** TO-15

JE2490-1, JE2490-2, JE2490-3, JE2490-4

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	101%	99%	65-128%

(a) Outside in house control limits.
(b) High percent recovery and no associated positive reported in the QC batch.

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE2490
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W2138-BS	5W55820.D	1	12/23/24	TCH	n/a	n/a	V5W2138
V5W2138-BSD	5W55821.D	1	12/23/24	TCH	n/a	n/a	V5W2138

The QC reported here applies to the following samples: **Method:** TO-15

JE2490-1

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
75-69-4	Trichlorofluoromethane	10.6	11.1	105	11.5	108	4	70-130/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	101%	100%	65-128%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE2490
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W387-BS	7W10577.D	1	11/18/24	BK	n/a	n/a	V7W387
V7W387-BSD	7W10578.D	1	11/18/24	BK	n/a	n/a	V7W387

The QC reported here applies to the following samples: **Method:** TO-15

V7W387-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone (2-Propanone)	10.3	9.6	93	9.8	95	2	70-130/30
106-99-0	1,3-Butadiene	10.8	10.3	95	9.7	90	6	70-130/30
71-43-2	Benzene	11	11.5	105	11.6	105	1	70-130/30
75-27-4	Bromodichloromethane	10.5	11.0	105	11.1	106	1	70-130/30
75-25-2	Bromoform	10.7	12.2	114	13.1	122	7	70-130/30
74-83-9	Bromomethane	10.5	10.2	97	10.3	98	1	70-130/30
593-60-2	Bromoethene	10.6	11.4	108	11.4	108	0	70-130/30
100-44-7	Benzyl Chloride	10.4	20.7	199* [a]	21.0	202* [a]	1	70-130/30
75-15-0	Carbon disulfide	10.6	9.6	91	9.5	90	1	70-130/30
108-90-7	Chlorobenzene	10.8	10.2	94	10.5	97	3	70-130/30
75-00-3	Chloroethane	10.4	10.6	102	10.7	103	1	70-130/30
67-66-3	Chloroform	10.8	10.8	100	10.9	101	1	70-130/30
74-87-3	Chloromethane	10.4	8.7	84	8.0	77	8	70-130/30
107-05-1	3-Chloropropene	10.5	9.4	90	9.6	91	2	70-130/30
95-49-8	2-Chlorotoluene	10.3	10	97	10.5	102	5	70-130/30
56-23-5	Carbon tetrachloride	10.8	12.4	115	12.4	115	0	70-130/30
110-82-7	Cyclohexane	10.9	11.4	105	11.5	106	1	70-130/30
75-34-3	1,1-Dichloroethane	10.7	12.5	117	12.5	117	0	70-130/30
75-35-4	1,1-Dichloroethylene	10.7	10.8	101	10.6	99	2	70-130/30
106-93-4	1,2-Dibromoethane (EDB)	11	11.6	105	11.7	106	1	70-130/30
107-06-2	1,2-Dichloroethane	10.9	10.6	97	10.6	97	0	70-130/30
78-87-5	1,2-Dichloropropane	10.5	12.1	115	12.0	114	1	70-130/30
123-91-1	1,4-Dioxane	10.5	10.6	101	10.6	101	0	70-130/30
75-71-8	Dichlorodifluoromethane	10.6	10.6	100	10.6	100	0	70-130/30
124-48-1	Dibromochloromethane	10.5	11.7	111	11.8	112	1	70-130/30
156-60-5	trans-1,2-Dichloroethylene	10.5	11.7	111	11.7	111	0	70-130/30
156-59-2	cis-1,2-Dichloroethylene	10.7	11.4	107	11.5	107	1	70-130/30
10061-01-5	cis-1,3-Dichloropropene	10.7	12.5	117	12.6	118	1	70-130/30
541-73-1	m-Dichlorobenzene	10.4	10.3	99	11.1	107	7	70-130/30
95-50-1	o-Dichlorobenzene	10.7	10.2	95	11.1	104	8	70-130/30
106-46-7	p-Dichlorobenzene	10.9	10.5	96	11.2	103	6	70-130/30
10061-02-6	trans-1,3-Dichloropropene	10.2	12.7	125	12.8	125	1	70-130/30
64-17-5	Ethanol	10.2	8.9	87	8.5	83	5	70-130/30
100-41-4	Ethylbenzene	11	10.3	94	10.5	95	2	70-130/30
141-78-6	Ethyl Acetate	10.8	11.8	109	11.8	109	0	70-130/30
622-96-8	4-Ethyltoluene	10.9	10.5	96	11.0	101	5	70-130/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE2490
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W387-BS	7W10577.D	1	11/18/24	BK	n/a	n/a	V7W387
V7W387-BSD	7W10578.D	1	11/18/24	BK	n/a	n/a	V7W387

The QC reported here applies to the following samples: **Method:** TO-15

V7W387-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
76-13-1	Freon 113	10.6	11.1	105	10.9	103	2	70-130/30
76-14-2	Freon 114	11	10.6	96	10.8	98	2	70-130/30
142-82-5	Heptane	11	11.2	102	11.3	103	1	70-130/30
87-68-3	Hexachlorobutadiene	10.8	10.9	101	11.2	104	3	70-130/30
110-54-3	Hexane	10.8	11.4	106	11.4	106	0	70-130/30
591-78-6	2-Hexanone	10.6	9.9	93	10.0	94	1	70-130/30
67-63-0	Isopropyl Alcohol	10.6	8.8	83	8.6	81	2	70-130/30
75-09-2	Methylene chloride	10.5	9.1	87	9.1	87	0	70-130/30
78-93-3	Methyl ethyl ketone	10.8	12.2	113	12.1	112	1	70-130/30
108-10-1	Methyl Isobutyl Ketone	10.8	10.8	100	10.8	100	0	70-130/30
1634-04-4	Methyl Tert Butyl Ether	10.8	12.2	113	12.3	114	1	70-130/30
80-62-6	Methylmethacrylate	10.9	11.8	108	11.9	109	1	70-130/30
91-20-3	Naphthalene	10.9	8.9	82	9.2	84	3	70-130/30
115-07-1	Propylene	10.9	13.4	123	11.8	108	13	70-130/30
100-42-5	Styrene	11	10.9	99	11.3	103	4	70-130/30
71-55-6	1,1,1-Trichloroethane	10.8	11.7	108	11.8	109	1	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	10.9	10.5	96	10.7	98	2	70-130/30
79-00-5	1,1,2-Trichloroethane	10.7	11.3	106	11.3	106	0	70-130/30
120-82-1	1,2,4-Trichlorobenzene	10.9	10.1	93	10.4	95	3	70-130/30
95-63-6	1,2,4-Trimethylbenzene	11	10.1	92	10.5	95	4	70-130/30
108-67-8	1,3,5-Trimethylbenzene	10.9	10.3	94	10.6	97	3	70-130/30
540-84-1	2,2,4-Trimethylpentane	10.8	11.8	109	11.8	109	0	70-130/30
75-65-0	Tertiary Butyl Alcohol	9.9	9.1	92	9.1	92	0	70-130/30
127-18-4	Tetrachloroethylene	10.9	11.5	106	11.7	107	2	70-130/30
109-99-9	Tetrahydrofuran	10.5	12.1	115	12.2	116	1	70-130/30
108-88-3	Toluene	10.6	10.6	100	10.7	101	1	70-130/30
79-01-6	Trichloroethylene	10.5	10.6	101	10.7	102	1	70-130/30
75-69-4	Trichlorofluoromethane	10.6	10	94	9.9	93	1	70-130/30
75-01-4	Vinyl chloride	10.3	10.4	101	10.1	98	3	70-130/30
108-05-4	Vinyl Acetate	10.4	12.1	116	11.9	114	2	70-130/30
	m,p-Xylene	21.4	20.0	93	20.6	96	3	70-130/30
95-47-6	o-Xylene	10.9	10.0	92	10.3	94	3	70-130/30
1330-20-7	Xylenes (total)	32.3	30.0	93	30.9	96	3	70-130/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE2490
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W387-BS	7W10577.D	1	11/18/24	BK	n/a	n/a	V7W387
V7W387-BSD	7W10578.D	1	11/18/24	BK	n/a	n/a	V7W387

The QC reported here applies to the following samples: **Method:** TO-15

V7W387-SCC

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	93%	94%	65-128%

(a) High percent recovery and no associated positive reported in the QC batch.

* = Outside of Control Limits.

Duplicate Summary

Job Number: JE2490
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JE2488-2DUP	5W55717.D	1	12/18/24	TCH	n/a	n/a	V5W2133
JE2488-2 [a]	5W55716.D	1	12/18/24	TCH	n/a	n/a	V5W2133

The QC reported here applies to the following samples: **Method:** TO-15

JE2490-4

CAS No.	Compound	JE2488-2 ppbv	Q	DUP ppbv	Q	RPD	Limits
106-99-0	1,3-Butadiene	ND		ND		nc	25
71-43-2	Benzene	0.75		0.77		3	25
75-27-4	Bromodichloromethane	ND		ND		nc	25
75-25-2	Bromoform	ND		ND		nc	25
74-83-9	Bromomethane	ND		ND		nc	25
593-60-2	Bromoethene	ND		ND		nc	25
100-44-7	Benzyl Chloride	ND		ND		nc	25
75-15-0	Carbon disulfide	ND		ND		nc	25
108-90-7	Chlorobenzene	ND		ND		nc	25
75-00-3	Chloroethane	ND		ND		nc	25
67-66-3	Chloroform	ND		ND		nc	25
74-87-3	Chloromethane	0.76		0.80		5	25
107-05-1	3-Chloropropene	ND		ND		nc	25
95-49-8	2-Chlorotoluene	ND		ND		nc	25
56-23-5	Carbon tetrachloride	0.078		0.074	J	5	25
110-82-7	Cyclohexane	0.15		0.15	J	0	25
75-34-3	1,1-Dichloroethane	ND		ND		nc	25
75-35-4	1,1-Dichloroethylene	ND		ND		nc	25
106-93-4	1,2-Dibromoethane (EDB)	ND		ND		nc	25
107-06-2	1,2-Dichloroethane	ND		ND		nc	25
78-87-5	1,2-Dichloropropane	ND		ND		nc	25
123-91-1	1,4-Dioxane	0.14		0.12	J	15	25
75-71-8	Dichlorodifluoromethane	0.58		0.57		2	25
124-48-1	Dibromochloromethane	ND		ND		nc	25
156-60-5	trans-1,2-Dichloroethylene	ND		ND		nc	25
156-59-2	cis-1,2-Dichloroethylene	ND		ND		nc	25
10061-01-5	cis-1,3-Dichloropropene	ND		ND		nc	25
541-73-1	m-Dichlorobenzene	ND		ND		nc	25
95-50-1	o-Dichlorobenzene	ND		ND		nc	25
106-46-7	p-Dichlorobenzene	ND		ND		nc	25
10061-02-6	trans-1,3-Dichloropropene	ND		ND		nc	25
100-41-4	Ethylbenzene	0.097		0.099	J	2	25
141-78-6	Ethyl Acetate	2.7		2.6		4	25
622-96-8	4-Ethyltoluene	ND		ND		nc	25
76-13-1	Freon 113	0.080		0.076	J	5	25
76-14-2	Freon 114	ND		ND		nc	25

* = Outside of Control Limits.

Duplicate Summary

Job Number: JE2490
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JE2488-2DUP	5W55717.D	1	12/18/24	TCH	n/a	n/a	V5W2133
JE2488-2 [a]	5W55716.D	1	12/18/24	TCH	n/a	n/a	V5W2133

The QC reported here applies to the following samples: **Method:** TO-15

JE2490-4

CAS No.	Compound	JE2488-2 ppbv	Q	DUP ppbv	Q	RPD	Limits
142-82-5	Heptane	0.27		0.28		4	25
87-68-3	Hexachlorobutadiene	ND		ND		nc	25
110-54-3	Hexane	0.98		0.97		1	25
591-78-6	2-Hexanone	ND		ND		nc	25
67-63-0	Isopropyl Alcohol	0.49		0.50		2	25
75-09-2	Methylene chloride	0.65		0.64		2	25
78-93-3	Methyl ethyl ketone	0.12		0.18		40* [b]	25
108-10-1	Methyl Isobutyl Ketone	ND		ND		nc	25
1634-04-4	Methyl Tert Butyl Ether	ND		ND		nc	25
91-20-3	Naphthalene	ND		ND		nc	25
115-07-1	Propylene	ND		ND		nc	25
100-42-5	Styrene	ND		ND		nc	25
71-55-6	1,1,1-Trichloroethane	ND		ND		nc	25
79-34-5	1,1,2,2-Tetrachloroethane	ND		ND		nc	25
79-00-5	1,1,2-Trichloroethane	ND		ND		nc	25
120-82-1	1,2,4-Trichlorobenzene	ND		ND		nc	25
95-63-6	1,2,4-Trimethylbenzene	0.079		0.077	J	3	25
108-67-8	1,3,5-Trimethylbenzene	ND		ND		nc	25
540-84-1	2,2,4-Trimethylpentane	0.36		0.37		3	25
75-65-0	Tertiary Butyl Alcohol	0.079		0.079	J	0	25
127-18-4	Tetrachloroethylene	ND		ND		nc	25
109-99-9	Tetrahydrofuran	ND		ND		nc	25
108-88-3	Toluene	0.59		0.60		2	25
79-01-6	Trichloroethylene	ND		ND		nc	25
75-69-4	Trichlorofluoromethane	0.31		0.32		3	25
75-01-4	Vinyl chloride	ND		ND		nc	25
108-05-4	Vinyl Acetate	ND		ND		nc	25
	m,p-Xylene	0.27		0.26		4	25
95-47-6	o-Xylene	0.10		0.10	J	0	25
1330-20-7	Xylenes (total)	0.37		0.36		3	25

CAS No.	Surrogate Recoveries	DUP	JE2488-2	Limits
460-00-4	4-Bromofluorobenzene	106%		65-128%

* = Outside of Control Limits.

Duplicate Summary

Job Number: JE2490
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JE2488-2DUP	5W55717.D	1	12/18/24	TCH	n/a	n/a	V5W2133
JE2488-2 [a]	5W55716.D	1	12/18/24	TCH	n/a	n/a	V5W2133

The QC reported here applies to the following samples: **Method:** TO-15

JE2490-4

(a) Sample used for QC purposes only.
(b) RPD acceptable due to low DUP and sample concentrations.

* = Outside of Control Limits.

Duplicate Summary

Job Number: JE2490
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JE2665-1DUP	5W55785.D	1	12/20/24	TCH	n/a	n/a	V5W2136
JE2665-1	5W55784.D	1	12/20/24	TCH	n/a	n/a	V5W2136

The QC reported here applies to the following samples: **Method:** TO-15

JE2490-1, JE2490-2, JE2490-3, JE2490-4

CAS No.	Compound	JE2665-1 ppbv	Q	DUP ppbv	Q	RPD	Limits
67-64-1	Acetone (2-Propanone)	1.5		1.5		0	25
106-99-0	1,3-Butadiene	ND		ND		nc	25
71-43-2	Benzene	ND		ND		nc	25
75-27-4	Bromodichloromethane	ND		ND		nc	25
75-25-2	Bromoform	ND		ND		nc	25
74-83-9	Bromomethane	ND		ND		nc	25
593-60-2	Bromoethene	ND		ND		nc	25
100-44-7	Benzyl Chloride	ND		ND		nc	25
75-15-0	Carbon disulfide	ND		ND		nc	25
108-90-7	Chlorobenzene	ND		ND		nc	25
75-00-3	Chloroethane	ND		ND		nc	25
67-66-3	Chloroform	ND		ND		nc	25
74-87-3	Chloromethane	ND		ND		nc	25
107-05-1	3-Chloropropene	ND		ND		nc	25
95-49-8	2-Chlorotoluene	ND		ND		nc	25
56-23-5	Carbon tetrachloride	ND		ND		nc	25
110-82-7	Cyclohexane	ND		ND		nc	25
75-34-3	1,1-Dichloroethane	ND		ND		nc	25
75-35-4	1,1-Dichloroethylene	ND		ND		nc	25
106-93-4	1,2-Dibromoethane (EDB)	ND		ND		nc	25
107-06-2	1,2-Dichloroethane	ND		ND		nc	25
78-87-5	1,2-Dichloropropane	ND		ND		nc	25
123-91-1	1,4-Dioxane	ND		ND		nc	25
75-71-8	Dichlorodifluoromethane	ND		ND		nc	25
124-48-1	Dibromochloromethane	ND		ND		nc	25
156-60-5	trans-1,2-Dichloroethylene	ND		ND		nc	25
156-59-2	cis-1,2-Dichloroethylene	ND		ND		nc	25
10061-01-5	cis-1,3-Dichloropropene	ND		ND		nc	25
541-73-1	m-Dichlorobenzene	ND		ND		nc	25
95-50-1	o-Dichlorobenzene	0.50	J	ND		200* [a]	25
106-46-7	p-Dichlorobenzene	ND		ND		nc	25
10061-02-6	trans-1,3-Dichloropropene	ND		ND		nc	25
64-17-5	Ethanol	1.8	J	2.2		20	25
100-41-4	Ethylbenzene	ND		ND		nc	25
141-78-6	Ethyl Acetate	0.71	J	0.79	J	11	25
622-96-8	4-Ethyltoluene	ND		ND		nc	25

* = Outside of Control Limits.

Duplicate Summary

Job Number: JE2490
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JE2665-1DUP	5W55785.D	1	12/20/24	TCH	n/a	n/a	V5W2136
JE2665-1	5W55784.D	1	12/20/24	TCH	n/a	n/a	V5W2136

The QC reported here applies to the following samples: **Method:** TO-15

JE2490-1, JE2490-2, JE2490-3, JE2490-4

CAS No.	Compound	JE2665-1 ppbv	Q	DUP ppbv	Q	RPD	Limits
76-13-1	Freon 113	ND		ND		nc	25
76-14-2	Freon 114	ND		ND		nc	25
142-82-5	Heptane	ND		ND		nc	25
87-68-3	Hexachlorobutadiene	ND		ND		nc	25
110-54-3	Hexane	ND		ND		nc	25
591-78-6	2-Hexanone	ND		ND		nc	25
67-63-0	Isopropyl Alcohol	ND		ND		nc	25
75-09-2	Methylene chloride	ND		ND		nc	25
78-93-3	Methyl ethyl ketone	ND		ND		nc	25
108-10-1	Methyl Isobutyl Ketone	ND		ND		nc	25
1634-04-4	Methyl Tert Butyl Ether	ND		ND		nc	25
80-62-6	Methylmethacrylate	ND		ND		nc	25
91-20-3	Naphthalene	2.0		ND		200* [a]	25
115-07-1	Propylene	ND		ND		nc	25
100-42-5	Styrene	ND		ND		nc	25
71-55-6	1,1,1-Trichloroethane	ND		ND		nc	25
79-34-5	1,1,2,2-Tetrachloroethane	ND		ND		nc	25
79-00-5	1,1,2-Trichloroethane	ND		ND		nc	25
120-82-1	1,2,4-Trichlorobenzene	2.1		ND		200* [a]	25
95-63-6	1,2,4-Trimethylbenzene	ND		ND		nc	25
108-67-8	1,3,5-Trimethylbenzene	ND		ND		nc	25
540-84-1	2,2,4-Trimethylpentane	ND		ND		nc	25
75-65-0	Tertiary Butyl Alcohol	ND		ND		nc	25
127-18-4	Tetrachloroethylene	ND		ND		nc	25
109-99-9	Tetrahydrofuran	ND		ND		nc	25
108-88-3	Toluene	ND		ND		nc	25
79-01-6	Trichloroethylene	0.28		ND		200* [a]	25
75-69-4	Trichlorofluoromethane	ND		ND		nc	25
75-01-4	Vinyl chloride	ND		ND		nc	25
108-05-4	Vinyl Acetate	ND		ND		nc	25
	m,p-Xylene	ND		ND		nc	25
95-47-6	o-Xylene	ND		ND		nc	25
1330-20-7	Xylenes (total)	ND		ND		nc	25

* = Outside of Control Limits.

Duplicate Summary

Job Number: JE2490
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JE2665-1DUP	5W55785.D	1	12/20/24	TCH	n/a	n/a	V5W2136
JE2665-1	5W55784.D	1	12/20/24	TCH	n/a	n/a	V5W2136

The QC reported here applies to the following samples: **Method:** TO-15

JE2490-1, JE2490-2, JE2490-3, JE2490-4

CAS No.	Surrogate Recoveries	DUP	JE2665-1	Limits
460-00-4	4-Bromofluorobenzene	113%	111%	65-128%

(a) RPD acceptable due to low DUP and sample concentrations.

* = Outside of Control Limits.

Duplicate Summary

Job Number: JE2490
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JE2315-1DUP	5W55826.D	1	12/23/24	TCH	n/a	n/a	V5W2138
JE2315-1	5W55825.D	1	12/23/24	TCH	n/a	n/a	V5W2138

The QC reported here applies to the following samples: **Method:** TO-15

JE2490-1

CAS No.	Compound	JE2315-1 ppbv	Q	DUP ppbv	Q	RPD	Limits
75-69-4	Trichlorofluoromethane	0.24		0.23		4	25

CAS No.	Surrogate Recoveries	DUP	JE2315-1	Limits
460-00-4	4-Bromofluorobenzene	109%	107%	65-128%

* = Outside of Control Limits.

Summa Cleaning Certification

Job Number: JE2490
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W387-SCC	7W10605.D	1	11/19/24	BK	n/a	n/a	V7W387

The QC reported here (Summa A779) applies to the following samples: **Method:** TO-15

Batch CP12922 cleaned 11/08/24: JE2490-1(A761), JE2490-2(A1736), JE2490-3(A1293), JE2490-4(A2540)

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
67-64-1	Acetone (2-Propanone)	ND	0.20	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane (EDB)	ND	0.20	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	ppbv		ND	0.98	ug/m3

Summa Cleaning Certification

Job Number: JE2490
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W387-SCC	7W10605.D	1	11/19/24	BK	n/a	n/a	V7W387

The QC reported here (Summa A779) applies to the following samples: **Method:** TO-15

Batch CP12922 cleaned 11/08/24: JE2490-1(A761), JE2490-2(A1736), JE2490-3(A1293), JE2490-4(A2540)

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	ppbv		ND	0.72	ug/m3
80-62-6	Methylmethacrylate	ND	0.20	ppbv		ND	0.82	ug/m3
91-20-3	Naphthalene	ND	0.20	ppbv		ND	1.0	ug/m3
115-07-1	Propylene	ND	0.50	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	ppbv		ND	0.87	ug/m3

Summa Cleaning Certification

Job Number: JE2490
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W387-SCC	7W10605.D	1	11/19/24	BK	n/a	n/a	V7W387

The QC reported here (Summa A779) applies to the following samples: **Method:** TO-15

Batch CP12922 cleaned 11/08/24: JE2490-1(A761), JE2490-2(A1736), JE2490-3(A1293), JE2490-4(A2540)

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	85%	65-128%

Instrument Performance Check (BFB)

Job Number: JE2490
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample: V5W2125-BFB
Lab File ID: 5W55458.D
Instrument ID: GCMS5W
Injection Date: 12/09/24
Injection Time: 03:34

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	87907	21.0		Pass
75	30.0 - 66.0% of mass 95	218027	52.1		Pass
95	Base peak, 100% relative abundance	418581	100.0		Pass
96	5.0 - 9.0% of mass 95	28349	6.77		Pass
173	Less than 2.0% of mass 174	3695	0.88	(1.07) [a]	Pass
174	50.0 - 120.0% of mass 95	343765	82.1		Pass
175	4.0 - 9.01% of mass 174	26424	6.31	(7.69) [a]	Pass
176	93.0 - 101.0% of mass 174	334720	80.0	(97.4) [a]	Pass
177	5.0 - 9.0% of mass 176	22512	5.38	(6.73) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V5W2125-IC2125	5W55459.D	12/09/24	04:14	00:40	Initial cal 0.04
V5W2125-IC2125	5W55460.D	12/09/24	04:54	01:20	Initial cal 0.1
V5W2125-IC2125	5W55461.D	12/09/24	05:35	02:01	Initial cal 0.2
V5W2125-IC2125	5W55463.D	12/09/24	06:59	03:25	Initial cal 0.5
V5W2125-IC2125	5W55464.D	12/09/24	07:45	04:11	Initial cal 5
V5W2125-ICC2125	5W55466.D	12/09/24	09:03	05:29	Initial cal 10
V5W2125-IC2125	5W55467.D	12/09/24	09:45	06:11	Initial cal 20
V5W2125-IC2125	5W55468.D	12/09/24	10:29	06:55	Initial cal 40
V5W2125-IC2125	5W55469.D	12/09/24	11:14	07:40	Initial cal 50
V5W2125-ICV2125	5W55473.D	12/09/24	13:55	10:21	Initial cal verification 10

Instrument Performance Check (BFB)

Job Number: JE2490
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample: V5W2133-BFB
Lab File ID: 5W55699.D
Instrument ID: GCMS5W
Injection Date: 12/17/24
Injection Time: 19:52

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	105096	23.2		Pass
75	30.0 - 66.0% of mass 95	264789	58.6		Pass
95	Base peak, 100% relative abundance	452053	100.0		Pass
96	5.0 - 9.0% of mass 95	29944	6.62		Pass
173	Less than 2.0% of mass 174	2112	0.47	(0.43) [a]	Pass
174	50.0 - 120.0% of mass 95	488917	108.2		Pass
175	4.0 - 9.01% of mass 174	38499	8.52	(7.87) [a]	Pass
176	93.0 - 101.0% of mass 174	492928	109.0	(100.8) [a]	Pass
177	5.0 - 9.0% of mass 176	32312	7.15	(6.56) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V5W2133-CC2125	5W55700.D	12/17/24	20:32	00:40	Continuing cal 10
V5W2133-BS	5W55701.D	12/17/24	21:13	01:21	Blank Spike
V5W2133-BSD	5W55703.D	12/17/24	22:35	02:43	Blank Spike Duplicate
V5W2133-MB	5W55706.D	12/18/24	00:51	04:59	Method Blank
V5W2133-SCC	5W55707.D	12/18/24	01:36	05:44	Summa Cleaning Certification
V5W2133-SCC	5W55708.D	12/18/24	02:22	06:30	Summa Cleaning Certification
V5W2133-SCC	5W55709.D	12/18/24	03:08	07:16	Summa Cleaning Certification
V5W2133-SCC	5W55710.D	12/18/24	03:55	08:03	Summa Cleaning Certification
V5W2133-SCC	5W55711.D	12/18/24	04:42	08:50	Summa Cleaning Certification
V5W2133-SCC	5W55712.D	12/18/24	05:29	09:37	Summa Cleaning Certification
V5W2133-SCC	5W55713.D	12/18/24	06:16	10:24	Summa Cleaning Certification
V5W2133-SCC	5W55714.D	12/18/24	07:02	11:10	Summa Cleaning Certification
JE2488-2	5W55716.D	12/18/24	08:40	12:48	(used for QC only; not part of job JE2490)
JE2488-2DUP	5W55717.D	12/18/24	09:29	13:37	Duplicate
JE2490-4	5W55721.D	12/18/24	12:42	16:50	IA-2
ZZZZZZ	5W55722.D	12/18/24	13:30	17:38	(unrelated sample)
ZZZZZZ	5W55723.D	12/18/24	14:18	18:26	(unrelated sample)
ZZZZZZ	5W55724.D	12/18/24	14:59	19:07	(unrelated sample)
ZZZZZZ	5W55725.D	12/18/24	15:40	19:48	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JE2490
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample: V5W2136-BFB
Lab File ID: 5W55777.D
Instrument ID: GCMS5W
Injection Date: 12/20/24
Injection Time: 12:26

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	103472	19.2		Pass
75	30.0 - 66.0% of mass 95	287701	53.3		Pass
95	Base peak, 100% relative abundance	539797	100.0		Pass
96	5.0 - 9.0% of mass 95	34869	6.46		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	639147	118.4		Pass
175	4.0 - 9.01% of mass 174	46992	8.71	(7.35) [a]	Pass
176	93.0 - 101.0% of mass 174	621632	115.2	(97.3) [a]	Pass
177	5.0 - 9.0% of mass 176	40723	7.54	(6.55) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V5W2136-CC2125	5W55778.D	12/20/24	13:06	00:40	Continuing cal 10
V5W2136-BS	5W55779.D	12/20/24	13:55	01:29	Blank Spike
V5W2136-BSD	5W55781.D	12/20/24	15:34	03:08	Blank Spike Duplicate
V5W2136-MB	5W55783.D	12/20/24	17:06	04:40	Method Blank
JE2665-1	5W55784.D	12/20/24	18:21	05:55	(used for QC only; not part of job JE2490)
JE2665-1DUP	5W55785.D	12/20/24	19:03	06:37	Duplicate
ZZZZZZ	5W55786.D	12/20/24	19:55	07:29	(unrelated sample)
ZZZZZZ	5W55788.D	12/20/24	21:22	08:56	(unrelated sample)
ZZZZZZ	5W55789.D	12/20/24	22:14	09:48	(unrelated sample)
JE2490-1	5W55790.D	12/20/24	22:55	10:29	SS-1
JE2490-2	5W55791.D	12/20/24	23:46	11:20	IA-1
JE2490-2	5W55792.D	12/21/24	00:26	12:00	IA-1
JE2490-3	5W55793.D	12/21/24	01:09	12:43	SS-2
JE2490-4	5W55794.D	12/21/24	01:49	13:23	IA-2
ZZZZZZ	5W55795.D	12/21/24	02:30	14:04	(unrelated sample)
ZZZZZZ	5W55796.D	12/21/24	03:11	14:45	(unrelated sample)
ZZZZZZ	5W55797.D	12/21/24	03:54	15:28	(unrelated sample)
ZZZZZZ	5W55798.D	12/21/24	04:35	16:09	(unrelated sample)
ZZZZZZ	5W55799.D	12/21/24	05:21	16:55	(unrelated sample)
ZZZZZZ	5W55800.D	12/21/24	06:08	17:42	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JE2490
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample: V5W2138-BFB
Lab File ID: 5W55818.D
Instrument ID: GCMS5W
Injection Date: 12/23/24
Injection Time: 08:13

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	80464	22.0		Pass
75	30.0 - 66.0% of mass 95	208725	57.0		Pass
95	Base peak, 100% relative abundance	365867	100.0		Pass
96	5.0 - 9.0% of mass 95	24203	6.62		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	437760	119.7		Pass
175	4.0 - 9.01% of mass 174	33048	9.03	(7.55) [a]	Pass
176	93.0 - 101.0% of mass 174	427712	116.9	(97.7) [a]	Pass
177	5.0 - 9.0% of mass 176	29384	8.03	(6.87) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V5W2138-CC2125	5W55819.D	12/23/24	09:11	00:58	Continuing cal 10
V5W2138-BS	5W55820.D	12/23/24	10:07	01:54	Blank Spike
V5W2138-BSD	5W55821.D	12/23/24	11:17	03:04	Blank Spike Duplicate
V5W2138-MB	5W55823.D	12/23/24	12:54	04:41	Method Blank
V5W2138-SCC	5W55824.D	12/23/24	14:29	06:16	Summa Cleaning Certification
JE2315-1	5W55825.D	12/23/24	15:24	07:11	(used for QC only; not part of job JE2490)
JE2315-1DUP	5W55826.D	12/23/24	16:11	07:58	Duplicate
ZZZZZZ	5W55827.D	12/23/24	16:52	08:39	(unrelated sample)
ZZZZZZ	5W55828.D	12/23/24	17:34	09:21	(unrelated sample)
ZZZZZZ	5W55829.D	12/23/24	18:20	10:07	(unrelated sample)
JE2490-1	5W55830.D	12/23/24	19:01	10:48	SS-1
ZZZZZZ	5W55831.D	12/23/24	19:43	11:30	(unrelated sample)
ZZZZZZ	5W55832.D	12/23/24	20:23	12:10	(unrelated sample)
ZZZZZZ	5W55833.D	12/23/24	21:09	12:56	(unrelated sample)
ZZZZZZ	5W55834.D	12/23/24	21:56	13:43	(unrelated sample)
ZZZZZZ	5W55835.D	12/23/24	22:42	14:29	(unrelated sample)
ZZZZZZ	5W55836.D	12/23/24	23:28	15:15	(unrelated sample)
ZZZZZZ	5W55837.D	12/24/24	00:14	16:01	(unrelated sample)
ZZZZZZ	5W55838.D	12/24/24	01:01	16:48	(unrelated sample)
ZZZZZZ	5W55839.D	12/24/24	01:54	17:41	(unrelated sample)
ZZZZZZ	5W55840.D	12/24/24	02:41	18:28	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JE2490
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample: V7W305-BFB
Lab File ID: 7W07974.D
Instrument ID: GCMS7W
Injection Date: 08/18/24
Injection Time: 21:06

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	20443	24.4		Pass
75	30.0 - 66.0% of mass 95	43320	51.7		Pass
95	Base peak, 100% relative abundance	83736	100.0		Pass
96	5.0 - 9.0% of mass 95	5915	7.06		Pass
173	Less than 2.0% of mass 174	627	0.75	(1.02) [a]	Pass
174	50.0 - 120.0% of mass 95	61525	73.5		Pass
175	4.0 - 9.01% of mass 174	4526	5.41	(7.36) [a]	Pass
176	93.0 - 101.0% of mass 174	58768	70.2	(95.5) [a]	Pass
177	5.0 - 9.0% of mass 176	3856	4.60	(6.56) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V7W305-IC305	7W07975.D	08/18/24	21:40	00:34	Initial cal 0.04
V7W305-IC305	7W07976.D	08/18/24	22:13	01:07	Initial cal 0.10
V7W305-IC305	7W07977.D	08/18/24	22:49	01:43	Initial cal 0.20
V7W305-IC305	7W07978.D	08/18/24	23:22	02:16	Initial cal 0.50
V7W305-IC305	7W07979.D	08/19/24	00:01	02:55	Initial cal 5
V7W305-ICC305	7W07980.D	08/19/24	00:35	03:29	Initial cal 10
V7W305-IC305	7W07981.D	08/19/24	01:10	04:04	Initial cal 20
V7W305-IC305	7W07982.D	08/19/24	01:48	04:42	Initial cal 40
V7W305-IC305	7W07983.D	08/19/24	02:28	05:22	Initial cal 50
V7W305-ICV305	7W07990.D	08/19/24	06:28	09:22	Initial cal verification 10
V7W306-BS	7W07991.D	08/19/24	07:07	10:01	Blank Spike
V7W306-BSD	7W07992.D	08/19/24	07:40	10:34	Blank Spike Duplicate
V7W306-MB	7W07996.D	08/19/24	10:30	13:24	Method Blank
ZZZZZZ	7W07997.D	08/19/24	11:04	13:58	(unrelated sample)
ZZZZZZ	7W07998.D	08/19/24	11:39	14:33	(unrelated sample)
ZZZZZZ	7W07999.D	08/19/24	12:15	15:09	(unrelated sample)
JD93469-1	7W08000.D	08/19/24	12:50	15:44	(used for QC only; not part of job JE2490)
JD93469-1DUP	7W08001.D	08/19/24	13:26	16:20	Duplicate
ZZZZZZ	7W08002.D	08/19/24	14:07	17:01	(unrelated sample)
ZZZZZZ	7W08003.D	08/19/24	14:50	17:44	(unrelated sample)
ZZZZZZ	7W08004.D	08/19/24	15:30	18:24	(unrelated sample)
ZZZZZZ	7W08005.D	08/19/24	16:05	18:59	(unrelated sample)
ZZZZZZ	7W08006.D	08/19/24	16:46	19:40	(unrelated sample)
ZZZZZZ	7W08007.D	08/19/24	17:31	20:25	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JE2490
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample:	V7W305-BFB	**Injection Date:**	08/18/24
Lab File ID:	7W07974.D	**Injection Time:**	21:06
Instrument ID:	GCMS7W		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	7W08008.D	08/19/24	18:11	21:05	(unrelated sample)
ZZZZZZ	7W08009.D	08/19/24	18:52	21:46	(unrelated sample)
ZZZZZZ	7W08010.D	08/19/24	20:04	22:58	(unrelated sample)
ZZZZZZ	7W08011.D	08/19/24	20:43	23:37	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JE2490
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample: V7W387-BFB
Lab File ID: 7W10575.D
Instrument ID: GCMS7W
Injection Date: 11/18/24
Injection Time: 08:59

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	12830	18.3		Pass
75	30.0 - 66.0% of mass 95	33101	47.2		Pass
95	Base peak, 100% relative abundance	70203	100.0		Pass
96	5.0 - 9.0% of mass 95	4918	7.01		Pass
173	Less than 2.0% of mass 174	423	0.60	(0.70) [a]	Pass
174	50.0 - 120.0% of mass 95	60187	85.7		Pass
175	4.0 - 9.01% of mass 174	4410	6.28	(7.33) [a]	Pass
176	93.0 - 101.0% of mass 174	57075	81.3	(94.8) [a]	Pass
177	5.0 - 9.0% of mass 176	3652	5.20	(6.40) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V7W387-CC305	7W10576.D	11/18/24	09:35	00:36	Continuing cal 10
V7W387-BS	7W10577.D	11/18/24	10:11	01:12	Blank Spike
V7W387-BSD	7W10578.D	11/18/24	10:46	01:47	Blank Spike Duplicate
V7W387-MB	7W10580.D	11/18/24	12:04	03:05	Method Blank
JD99820-1	7W10582.D	11/18/24	13:59	05:00	(used for QC only; not part of job JE2490)
JD99820-1DUP	7W10583.D	11/18/24	14:40	05:41	Duplicate
ZZZZZZ	7W10584.D	11/18/24	15:21	06:22	(unrelated sample)
ZZZZZZ	7W10586.D	11/18/24	16:44	07:45	(unrelated sample)
ZZZZZZ	7W10587.D	11/18/24	17:25	08:26	(unrelated sample)
ZZZZZZ	7W10588.D	11/18/24	18:07	09:08	(unrelated sample)
ZZZZZZ	7W10590.D	11/18/24	19:30	10:31	(unrelated sample)
ZZZZZZ	7W10591.D	11/18/24	20:11	11:12	(unrelated sample)
ZZZZZZ	7W10592.D	11/18/24	20:52	11:53	(unrelated sample)
ZZZZZZ	7W10593.D	11/18/24	21:28	12:29	(unrelated sample)
ZZZZZZ	7W10594.D	11/18/24	22:04	13:05	(unrelated sample)
ZZZZZZ	7W10595.D	11/18/24	22:41	13:42	(unrelated sample)
ZZZZZZ	7W10597.D	11/18/24	23:53	14:54	(unrelated sample)
ZZZZZZ	7W10598.D	11/19/24	00:29	15:30	(unrelated sample)
ZZZZZZ	7W10599.D	11/19/24	01:06	16:07	(unrelated sample)
ZZZZZZ	7W10601.D	11/19/24	02:18	17:19	(unrelated sample)
ZZZZZZ	7W10602.D	11/19/24	02:55	17:56	(unrelated sample)
V7W387-SCC	7W10603.D	11/19/24	03:31	18:32	Summa Cleaning Certification
V7W387-SCC	7W10604.D	11/19/24	04:07	19:08	Summa Cleaning Certification
V7W387-SCC	7W10605.D	11/19/24	04:48	19:49	Summa Cleaning Certification

Instrument Performance Check (BFB)

Job Number: JE2490
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample:	V7W387-BFB	**Injection Date:**	11/18/24
Lab File ID:	7W10575.D	**Injection Time:**	08:59
Instrument ID:	GCMS7W		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V7W387-SCC	7W10606.D	11/19/24	05:29	20:30	Summa Cleaning Certification
V7W387-SCC	7W10607.D	11/19/24	06:10	21:11	Summa Cleaning Certification
ZZZZZZ	7W10608.D	11/19/24	06:51	21:52	(unrelated sample)

Internal Standard Area Summary

Job Number: JE2490
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Check Std:	V5W2133-CC2125	**Injection Date:**	12/17/24
Lab File ID:	5W55700.D	**Injection Time:**	20:32
Instrument ID:	GCMS5W	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	283490	7.67	1320983	9.83	829640	15.35
Upper Limit [a]	396886	8.00	1849376	10.16	1161496	15.68
Lower Limit [b]	170094	7.34	792590	9.50	497784	15.02

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
V5W2133-BS	313892	7.67	1454050	9.83	902926	15.35
V5W2133-BSD	319491	7.66	1462454	9.83	906713	15.34
V5W2133-MB	295908	7.66	1754729	9.83	953484	15.34
V5W2133-SCC	267595	7.66	1285097	9.83	733872	15.34
V5W2133-SCC [c]	215631	7.66	1056364	9.83	624828	15.34
V5W2133-SCC	208981	7.66	1029779	9.83	606483	15.34
V5W2133-SCC [c]	188367	7.66	948315	9.83	553930	15.34
V5W2133-SCC [c]	181213	7.66	897339	9.83	529431	15.34
V5W2133-SCC	190751	7.66	939930	9.83	559452	15.34
V5W2133-SCC	188591	7.66	933317	9.83	548791	15.34
V5W2133-SCC	197470	7.66	973511	9.83	568347	15.34
JE2488-2	155758[d]	7.66	802815	9.83	500617	15.34
JE2488-2DUP	156769[e]	7.66	796945	9.83	502343	15.34
JE2490-4	201833	7.68	1009609	9.83	643332	15.34
ZZZZZZ	233544	7.70	1103107	9.85	630888	15.35
ZZZZZZ	255838	7.70	1240149	9.85	726238	15.35
ZZZZZZ	245099	7.66	1200195	9.83	651740	15.34
ZZZZZZ	201759	7.66	999601	9.83	548542	15.34

IS 1 = Bromochloromethane
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5

(a) Upper Limit = + 40% of check standard area; Retention time + 0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.
(c) reclean
(d) Outside of in house control limits.
(e) Outside in house control limits.

Internal Standard Area Summary

Job Number: JE2490
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Check Std:	V5W2136-CC2125	**Injection Date:**	12/20/24
Lab File ID:	5W55778.D	**Injection Time:**	13:06
Instrument ID:	GCMS5W	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	318888	7.67	1469982	9.83	896125	15.34
Upper Limit [a]	446443	8.00	2057975	10.16	1254575	15.67
Lower Limit [b]	191333	7.34	881989	9.50	537675	15.01

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
V5W2136-BS	349857	7.66	1633756	9.83	962940	15.34
V5W2136-BSD	369460	7.66	1679765	9.83	969387	15.34
V5W2136-MB	420264	7.66	1982756	9.82	1052285	15.34
JE2665-1	347680	7.66	1679178	9.82	908149	15.34
JE2665-1DUP	276928	7.66	1339103	9.83	728500	15.34
ZZZZZZ	255725	7.66	1259383	9.82	729011	15.34
ZZZZZZ	223902	7.66	1101737	9.83	600369	15.34
ZZZZZZ	246511	7.66	1204091	9.83	692043	15.34
JE2490-1	218794	7.66	1076421	9.83	562673	15.34
JE2490-2	241587	7.68	1193445	9.83	722409	15.34
JE2490-2	263063	7.66	1287566	9.83	720552	15.34
JE2490-3	230773	7.66	1129671	9.83	553501	15.34
JE2490-4	245552	7.67	1188779	9.83	677814	15.34
ZZZZZZ	216763	7.66	1073025	9.83	603430	15.34
ZZZZZZ	214306	7.67	1052666	9.83	558080	15.34
ZZZZZZ	219702	7.66	1077760	9.83	597639	15.34
ZZZZZZ	263492	7.67	1245689	9.83	635891	15.34
ZZZZZZ	228599	7.66	1121534	9.83	646592	15.34
ZZZZZZ	226170	7.66	1109122	9.83	641061	15.34

IS 1 = Bromochloromethane
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5

(a) Upper Limit = + 40% of check standard area; Retention time + 0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.

Internal Standard Area Summary

Job Number: JE2490
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Check Std:	V5W2138-CC2125	**Injection Date:**	12/23/24
Lab File ID:	5W55819.D	**Injection Time:**	09:11
Instrument ID:	GCMS5W	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	263070	7.67	1217301	9.83	738303	15.34
Upper Limit [a]	368298	8.00	1704221	10.16	1033624	15.67
Lower Limit [b]	157842	7.34	730381	9.50	442982	15.01

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
V5W2138-BS	261510	7.66	1220164	9.83	739045	15.34
V5W2138-BSD	260595	7.66	1218483	9.83	736456	15.34
V5W2138-MB	311710	7.66	1493158	9.82	781178	15.33
V5W2138-SCC	321306	7.66	1506173	9.82	782137	15.33
JE2315-1	245399	7.66	1205702	9.83	682878	15.33
JE2315-1DUP	217553	7.66	1077292	9.83	621263	15.33
ZZZZZZ	208762	7.66	1039636	9.82	572065	15.34
ZZZZZZ	201543	7.67	1000655	9.83	551430	15.34
ZZZZZZ	211041	7.66	1036893	9.83	471557	15.34
JE2490-1	215745	7.66	1039188	9.83	542678	15.34
ZZZZZZ	244806	7.66	1174993	9.83	645042	15.34
ZZZZZZ	195304	7.67	959920	9.83	520023	15.34
ZZZZZZ	186533	7.66	914542	9.83	530709	15.33
ZZZZZZ	190196	7.67	938311	9.83	539199	15.34
ZZZZZZ	194798	7.67	962979	9.83	555481	15.34
ZZZZZZ	182844	7.66	924573	9.83	542563	15.34
ZZZZZZ	195003	7.67	985329	9.83	573135	15.34
ZZZZZZ	203928	7.66	1010745	9.83	575284	15.34
ZZZZZZ	207550	7.66	1034387	9.83	595518	15.34
ZZZZZZ	0*	0.00*	0*	0.00*	0*	0.00*

IS 1 = Bromochloromethane
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5

(a) Upper Limit = + 40% of check standard area; Retention time + 0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.

Internal Standard Area Summary

Job Number: JE2490
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Check Std:	V7W387-CC305	**Injection Date:**	11/18/24
Lab File ID:	7W10576.D	**Injection Time:**	09:35
Instrument ID:	GCMS7W	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	60785	3.28	318407	4.55	291110	10.12
Upper Limit [a]	85099	3.61	445770	4.88	407554	10.45
Lower Limit [b]	36471	2.95	191044	4.22	174666	9.79

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
V7W387-BS	59927	3.27	307732	4.55	281115	10.12
V7W387-BSD	59448	3.28	304227	4.55	275746	10.12
V7W387-MB	64026	3.28	327182	4.55	306459	10.12
JD99820-1	56665	3.28	288174	4.56	265558	10.12
JD99820-1DUP	55698	3.28	286506	4.56	262400	10.12
ZZZZZZ	57230	3.28	293974	4.56	269278	10.12
ZZZZZZ	57892	3.28	293943	4.56	268382	10.13
ZZZZZZ	55173	3.28	281652	4.56	256840	10.12
ZZZZZZ	56414	3.28	290642	4.56	266690	10.12
ZZZZZZ	55175	3.28	282753	4.56	261195	10.12
ZZZZZZ	56321	3.28	288236	4.56	267074	10.12
ZZZZZZ	55592	3.28	280028	4.56	258953	10.12
ZZZZZZ	59195	3.28	306746	4.56	279352	10.13
ZZZZZZ	54414	3.28	279296	4.56	256561	10.12
ZZZZZZ	53395	3.28	262918	4.56	253725	10.12
ZZZZZZ	58851	3.28	302770	4.56	278405	10.12
ZZZZZZ	60842	3.28	310928	4.56	285512	10.12
ZZZZZZ	60530	3.28	314864	4.56	285718	10.13
ZZZZZZ	57253	3.28	296182	4.56	271095	10.12
ZZZZZZ	55936	3.28	289486	4.55	263402	10.12
V7W387-SCC	58656	3.28	295685	4.56	265930	10.12
V7W387-SCC	60454	3.27	305996	4.55	275902	10.12
V7W387-SCC	61555	3.28	303415	4.55	282366	10.12
V7W387-SCC	63209	3.28	314760	4.55	280011	10.12
V7W387-SCC	65323	3.28	322265	4.55	287974	10.12
ZZZZZZ	56492	3.28	288918	4.56	272258	10.12

IS 1 = Bromochloromethane
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5

(a) Upper Limit = + 40% of check standard area; Retention time + 0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2490
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	Reporting this level
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
1,3-Butadiene	4.04	7.66	0.527	ok	0.526	0.466-0.586
Benzene	9.40	9.83	0.956	ok	0.956	0.896-1.016
Bromobenzene	17.92	15.35	1.167	ok	1.167	1.107-1.227
Bromodichloromethane	10.61	9.83	1.079	ok	1.079	1.019-1.139
Bromoethene	4.63	7.66	0.604	ok	0.602	0.542-0.662
n-Butylbenzene	20.86	15.35	1.359	ok	1.359	1.299-1.419
sec-Butylbenzene	20.03	15.35	1.305	ok	1.304	1.244-1.364
Carbon disulfide	5.85	7.66	0.764	ok	0.763	0.703-0.823
Chlorobenzene	15.41	15.35	1.004	ok	1.004	0.944-1.064
Chlorodifluoromethane	3.58	7.66	0.467	ok	0.467	0.407-0.527
Chloroethane	4.37	7.66	0.570	ok	0.568	0.508-0.628
Chlorotrifluoroethene	3.61	7.66	0.471	ok	0.471	0.411-0.531
Chloroform	7.81	7.66	1.020	ok	1.018	0.958-1.078
Chloromethane	3.78	7.66	0.493	ok	0.492	0.432-0.552
3-Chloropropene	5.69	7.66	0.743	ok	0.743	0.683-0.803
2-Chlorotoluene	18.56	15.35	1.209	ok	1.209	1.149-1.269
Carbon tetrachloride	9.57	7.66	1.249	ok	1.248	1.188-1.308
Cyclohexane	9.69	9.83	0.986	ok	0.986	0.926-1.046
1,1-Dichloroethane	6.65	7.66	0.868	ok	0.867	0.807-0.927
1,1-Dichloroethylene	5.49	7.66	0.717	ok	0.715	0.655-0.775
1,2-Dibromoethane (EDB)	13.85	15.35	0.902	ok	0.901	0.841-0.961
1,2-Dichloroethane	8.61	7.66	1.124	ok	1.123	1.063-1.183
1,2-Dichloropropane	10.37	9.83	1.055	ok	1.054	0.994-1.114
1,3-Dichloropropane	13.03	9.83	1.326	ok	1.323	1.263-1.383
Dichlorodifluoromethane	3.66	7.66	0.478	ok	0.477	0.417-0.537
Dichlorofluoromethane	4.42	7.66	0.577	ok	0.576	0.516-0.636
Dibromochloromethane	13.52	15.35	0.881	ok	0.880	0.820-0.940
Dibromomethane	10.35	9.83	1.053	ok	1.052	0.992-1.112
trans-1,2-Dichloroethylene	6.45	7.66	0.842	ok	0.842	0.782-0.902
cis-1,2-Dichloroethylene	7.49	7.66	0.978	ok	0.978	0.918-1.038
cis-1,3-Dichloropropene	11.76	9.83	1.196	ok	1.194	1.134-1.254
m-Dichlorobenzene	19.83	15.35	1.292	ok	1.291	1.231-1.351
o-Dichlorobenzene	20.42	15.35	1.330	ok	1.330	1.270-1.390
p-Dichlorobenzene	19.94	15.35	1.299	ok	1.298	1.238-1.358
trans-1,3-Dichloropropene	12.44	9.83	1.266	ok	1.263	1.203-1.323
2,3-Dimethylpentane	10.00	9.83	1.017	ok	1.017	0.957-1.077
2,4-Dimethylpentane	8.67	7.66	1.132	ok	1.130	1.070-1.190
Ethylbenzene	15.97	15.35	1.040	ok	1.040	0.980-1.100
4-Ethyltoluene	18.89	15.35	1.231	ok	1.230	1.170-1.290

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2490
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	Reporting this level
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Freon 113	5.82	7.66	0.760	ok	0.759	0.699-0.819
Freon 114	3.84	7.66	0.501	ok	0.501	0.441-0.561
Freon 115	3.47	7.66	0.453	ok	0.452	0.392-0.512
Freon 123	4.74	7.66	0.619	ok	0.617	0.557-0.677
Freon 123A	4.78	7.66	0.624	ok	0.623	0.563-0.683
Freon 142B	3.76	7.66	0.491	ok	0.489	0.429-0.549
Freon 152A	3.55	7.66	0.463	ok	0.463	0.403-0.523
Heptane	11.04	9.83	1.123	ok	1.122	1.062-1.182
Hexachlorobutadiene	23.37	15.35	1.522	ok	1.522	1.462-1.582
Hexachloroethane	21.32	15.35	1.389	ok	1.389	1.329-1.449
Hexane	7.71	7.66	1.007	ok	1.005	0.945-1.065
Iodomethane	5.42	7.66	0.708	ok	0.707	0.647-0.767
Isopropylbenzene	17.82	15.35	1.161	ok	1.161	1.101-1.221
p-Isopropyltoluene	20.27	15.35	1.321	ok	1.320	1.260-1.380
Methylene chloride	5.60	7.66	0.731	ok	0.730	0.670-0.790
Methyl Tert Butyl Ether	6.81	7.66	0.889	ok	0.879	0.819-0.939
Nonane	17.31	15.35	1.128	ok	1.128	1.068-1.188
Octane	14.33	15.35	0.934	ok	0.934	0.874-0.994
Pentane	5.23	7.66	0.683	ok	0.682	0.622-0.742
n-Propylbenzene	18.64	15.35	1.214	ok	1.214	1.154-1.274
Propylene	3.60	7.66	0.470	ok	0.469	0.409-0.529
Styrene	16.78	15.35	1.093	ok	1.092	1.032-1.152
1,1,1-Trichloroethane	8.87	7.66	1.158	ok	1.157	1.097-1.217
1,1,1,2-Tetrachloroethane	15.39	15.35	1.003	ok	1.003	0.943-1.063
1,1,2,2-Tetrachloroethane	16.93	15.35	1.103	ok	1.102	1.042-1.162
1,1,2-Trichloroethane	12.63	9.83	1.285	ok	1.283	1.223-1.343
1,2,3-Trichloropropane	17.11	15.35	1.115	ok	1.114	1.054-1.174
1,2,3-Trimethylbenzene	20.24	15.35	1.319	ok	1.318	1.258-1.378
1,2,4-Trimethylbenzene	19.64	15.35	1.279	ok	1.279	1.219-1.339
1,3,5-Trimethylbenzene	19.02	15.35	1.239	ok	1.239	1.179-1.299
2,2,4-Trimethylpentane	10.69	9.83	1.087	ok	1.087	1.027-1.147
Tertiary Butyl Alcohol	5.66	7.66	0.739	ok	0.729	0.669-0.789
Tetrachloroethylene	14.47	15.35	0.943	ok	0.943	0.883-1.003
Toluene	12.98	9.83	1.320	ok	1.319	1.259-1.379
Trichloroethylene	10.65	9.83	1.083	ok	1.083	1.023-1.143
Trichlorofluoromethane	4.95	7.66	0.646	ok	0.645	0.585-0.705
Vinyl chloride	3.93	7.66	0.513	ok	0.512	0.452-0.572
m,p-Xylene	16.23	15.35	1.057	ok	1.058	0.998-1.118
o-Xylene	16.91	15.35	1.102	ok	1.101	1.041-1.161

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2490
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	Reporting this level
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)		Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
TVHC As Equiv Pentane	5.23		15.35	0.341	ok	0.341	0.281-0.401

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.66	ok	7.67	7.34-8.00	339655	ok	339251	203551-474951
1,4-Difluorobenzene	9.83	ok	9.83	9.50-10.16	1562017	ok	1491175	894705-2087645
Chlorobenzene-D5	15.35	ok	15.35	15.02-15.68	815644	ok	882807	529684-1235930

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2490
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	Reporting this level
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acrolein	4.74	7.67	0.618	ok	0.615	0.555-0.675
Acetonitrile	4.65	7.67	0.606	ok	0.603	0.543-0.663
1,3-Butadiene	4.04	7.67	0.527	ok	0.526	0.466-0.586
Benzene	9.40	9.83	0.956	ok	0.956	0.896-1.016
Bromobenzene	17.92	15.35	1.167	ok	1.167	1.107-1.227
Bromodichloromethane	10.61	9.83	1.079	ok	1.079	1.019-1.139
Bromomethane	4.23	7.67	0.551	ok	0.551	0.491-0.611
Bromoethene	4.62	7.67	0.602	ok	0.602	0.542-0.662
n-Butane	4.07	7.67	0.531	ok	0.530	0.470-0.590
n-Butylbenzene	20.85	15.35	1.358	ok	1.359	1.299-1.419
sec-Butylbenzene	20.02	15.35	1.304	ok	1.304	1.244-1.364
tert-Butylbenzene	19.62	15.35	1.278	ok	1.278	1.218-1.338
Carbon disulfide	5.86	7.67	0.764	ok	0.763	0.703-0.823
Chlorobenzene	15.41	15.35	1.004	ok	1.004	0.944-1.064
Chlorodifluoromethane	3.59	7.67	0.468	ok	0.467	0.407-0.527
Chloroethane	4.37	7.67	0.570	ok	0.568	0.508-0.628
Chlorotrifluoroethene	3.61	7.67	0.471	ok	0.471	0.411-0.531
Chloroform	7.81	7.67	1.018	ok	1.018	0.958-1.078
Chloromethane	3.78	7.67	0.493	ok	0.492	0.432-0.552
3-Chloropropene	5.71	7.67	0.744	ok	0.743	0.683-0.803
2-Chlorotoluene	18.55	15.35	1.208	ok	1.209	1.149-1.269
Carbon tetrachloride	9.57	7.67	1.248	ok	1.248	1.188-1.308
Cyclohexane	9.71	9.83	0.988	ok	0.986	0.926-1.046
1,1-Dichloroethane	6.65	7.67	0.867	ok	0.867	0.807-0.927
1,1-Dichloroethylene	5.48	7.67	0.714	ok	0.715	0.655-0.775
1,2-Dibromoethane (EDB)	13.84	15.35	0.902	ok	0.901	0.841-0.961
1,2-Dichloroethane	8.61	7.67	1.123	ok	1.123	1.063-1.183
1,2-Dichloropropane	10.37	9.83	1.055	ok	1.054	0.994-1.114
1,3-Dichloropropane	13.02	9.83	1.325	ok	1.323	1.263-1.383
1,4-Dioxane	10.80	9.83	1.099	ok	1.089	1.029-1.149
Dichlorodifluoromethane	3.66	7.67	0.477	ok	0.477	0.417-0.537
Dichlorofluoromethane	4.43	7.67	0.578	ok	0.576	0.516-0.636
Dibromochloromethane	13.52	15.35	0.881	ok	0.880	0.820-0.940
Dibromomethane	10.34	9.83	1.052	ok	1.052	0.992-1.112
trans-1,2-Dichloroethylene	6.46	7.67	0.842	ok	0.842	0.782-0.902
cis-1,2-Dichloroethylene	7.50	7.67	0.978	ok	0.978	0.918-1.038
cis-1,3-Dichloropropene	11.74	9.83	1.194	ok	1.194	1.134-1.254
m-Dichlorobenzene	19.82	15.35	1.291	ok	1.291	1.231-1.351
o-Dichlorobenzene	20.41	15.35	1.330	ok	1.330	1.270-1.390

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2490
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	Reporting this level
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
p-Dichlorobenzene	19.93	15.35	1.298	ok	1.298	1.238-1.358
trans-1,3-Dichloropropene	12.43	9.83	1.264	ok	1.263	1.203-1.323
Di-Isopropyl ether	7.78	7.67	1.014	ok	1.008	0.948-1.068
2,3-Dimethylpentane	10.00	9.83	1.017	ok	1.017	0.957-1.077
2,4-Dimethylpentane	8.67	7.67	1.130	ok	1.130	1.070-1.190
Ethylbenzene	15.96	15.35	1.040	ok	1.040	0.980-1.100
Ethyl Acetate	7.83	7.67	1.021	ok	1.013	0.953-1.073
Ethyl Acrylate	10.50	9.83	1.068	ok	1.062	1.002-1.122
4-Ethyltoluene	18.88	15.35	1.230	ok	1.230	1.170-1.290
Freon 113	5.83	7.67	0.760	ok	0.759	0.699-0.819
Freon 114	3.85	7.67	0.502	ok	0.501	0.441-0.561
Freon 115	3.47	7.67	0.452	ok	0.452	0.392-0.512
Freon 123	4.74	7.67	0.618	ok	0.617	0.557-0.677
Freon 123A	4.79	7.67	0.625	ok	0.623	0.563-0.683
Freon 142B	3.76	7.67	0.490	ok	0.489	0.429-0.549
Freon 152A	3.55	7.67	0.463	ok	0.463	0.403-0.523
Heptane	11.03	9.83	1.122	ok	1.122	1.062-1.182
Hexachlorobutadiene	23.36	15.35	1.522	ok	1.522	1.462-1.582
Hexachloroethane	21.32	15.35	1.389	ok	1.389	1.329-1.449
Hexane	7.71	7.67	1.005	ok	1.005	0.945-1.065
2-Hexanone	13.45	15.35	0.876	ok	0.872	0.812-0.932
Iodomethane	5.42	7.67	0.707	ok	0.707	0.647-0.767
Isopropylbenzene	17.82	15.35	1.161	ok	1.161	1.101-1.221
Isopropyl Alcohol	5.09	7.67	0.664	ok	0.659	0.599-0.719
p-Isopropyltoluene	20.27	15.35	1.321	ok	1.320	1.260-1.380
Methylene chloride	5.60	7.67	0.730	ok	0.730	0.670-0.790
Methyl ethyl ketone	7.16	7.67	0.934	ok	0.924	0.864-0.984
Methyl Isobutyl Ketone	11.89	9.83	1.210	ok	1.202	1.142-1.262
Methyl Tert Butyl Ether	6.79	7.67	0.885	ok	0.879	0.819-0.939
Methylmethacrylate	10.99	9.83	1.118	ok	1.114	1.054-1.174
Nonane	17.31	15.35	1.128	ok	1.128	1.068-1.188
Octane	14.33	15.35	0.934	ok	0.934	0.874-0.994
Pentane	5.24	7.67	0.683	ok	0.682	0.622-0.742
n-Propylbenzene	18.64	15.35	1.214	ok	1.214	1.154-1.274
Propylene	3.61	7.67	0.471	ok	0.469	0.409-0.529
Styrene	16.77	15.35	1.093	ok	1.092	1.032-1.152
1,1,1-Trichloroethane	8.87	7.67	1.156	ok	1.157	1.097-1.217
1,1,1,2-Tetrachloroethane	15.39	15.35	1.003	ok	1.003	0.943-1.063
1,1,2,2-Tetrachloroethane	16.91	15.35	1.102	ok	1.102	1.042-1.162

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2490
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	Reporting this level
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
1,1,2-Trichloroethane	12.62	9.83	1.284	ok	1.283	1.223-1.343
1,2,3-Trichloropropane	17.11	15.35	1.115	ok	1.114	1.054-1.174
1,2,3-Trimethylbenzene	20.24	15.35	1.319	ok	1.318	1.258-1.378
1,2,4-Trimethylbenzene	19.64	15.35	1.279	ok	1.279	1.219-1.339
1,3,5-Trimethylbenzene	19.02	15.35	1.239	ok	1.239	1.179-1.299
2,2,4-Trimethylpentane	10.68	9.83	1.086	ok	1.087	1.027-1.147
Tertiary Butyl Alcohol	5.65	7.67	0.737	ok	0.729	0.669-0.789
Tetrachloroethylene	14.47	15.35	0.943	ok	0.943	0.883-1.003
Tetrahydrofuran	8.37	7.67	1.091	ok	1.079	1.019-1.139
Toluene	12.97	9.83	1.319	ok	1.319	1.259-1.379
Trichloroethylene	10.65	9.83	1.083	ok	1.083	1.023-1.143
Trichlorofluoromethane	4.95	7.67	0.645	ok	0.645	0.585-0.705
Vinyl chloride	3.93	7.67	0.512	ok	0.512	0.452-0.572
m,p-Xylene	16.23	15.35	1.057	ok	1.058	0.998-1.118
o-Xylene	16.91	15.35	1.102	ok	1.101	1.041-1.161
TVHC As Equiv Pentane	5.23	15.35	0.341	ok	0.341	0.281-0.401

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.67	ok	7.67	7.34-8.00	333430	ok	339251	203551-474951
1,4-Difluorobenzene	9.83	ok	9.83	9.50-10.16	1533309	ok	1491175	894705-2087645
Chlorobenzene-D5	15.35	ok	15.35	15.02-15.68	804190	ok	882807	529684-1235930

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2490
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	Reporting this level
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	4.86	7.66	0.634	ok	0.630	0.570-0.690
Acrolein	4.73	7.66	0.617	ok	0.615	0.555-0.675
Acrylonitrile	5.22	7.66	0.681	ok	0.679	0.619-0.739
Acetonitrile	4.64	7.66	0.606	ok	0.603	0.543-0.663
1,3-Butadiene	4.03	7.66	0.526	ok	0.526	0.466-0.586
Benzene	9.39	9.83	0.955	ok	0.956	0.896-1.016
Bromobenzene	17.91	15.35	1.167	ok	1.167	1.107-1.227
Bromodichloromethane	10.61	9.83	1.079	ok	1.079	1.019-1.139
Bromoform	16.29	15.35	1.061	ok	1.062	1.002-1.122
Bromomethane	4.23	7.66	0.552	ok	0.551	0.491-0.611
Bromoethene	4.62	7.66	0.603	ok	0.602	0.542-0.662
n-Butane	4.07	7.66	0.531	ok	0.530	0.470-0.590
Benzyl Chloride	19.82	15.35	1.291	ok	1.291	1.231-1.351
n-Butylbenzene	20.86	15.35	1.359	ok	1.359	1.299-1.419
sec-Butylbenzene	20.01	15.35	1.304	ok	1.304	1.244-1.364
tert-Butylbenzene	19.61	15.35	1.278	ok	1.278	1.218-1.338
Carbon disulfide	5.85	7.66	0.764	ok	0.763	0.703-0.823
Chlorobenzene	15.41	15.35	1.004	ok	1.004	0.944-1.064
Chlorodifluoromethane	3.58	7.66	0.467	ok	0.467	0.407-0.527
Chloroethane	4.36	7.66	0.569	ok	0.568	0.508-0.628
Chlorotrifluoroethene	3.61	7.66	0.471	ok	0.471	0.411-0.531
Chloroform	7.80	7.66	1.018	ok	1.018	0.958-1.078
Chloromethane	3.77	7.66	0.492	ok	0.492	0.432-0.552
3-Chloropropene	5.70	7.66	0.744	ok	0.743	0.683-0.803
2-Chlorotoluene	18.55	15.35	1.208	ok	1.209	1.149-1.269
Carbon tetrachloride	9.57	7.66	1.249	ok	1.248	1.188-1.308
Cyclohexane	9.70	9.83	0.987	ok	0.986	0.926-1.046
1,1-Dichloroethane	6.65	7.66	0.868	ok	0.867	0.807-0.927
1,1-Dichloroethylene	5.48	7.66	0.715	ok	0.715	0.655-0.775
1,2-Dibromoethane (EDB)	13.84	15.35	0.902	ok	0.901	0.841-0.961
1,2-Dichloroethane	8.61	7.66	1.124	ok	1.123	1.063-1.183
1,2-Dichloropropane	10.37	9.83	1.055	ok	1.054	0.994-1.114
1,3-Dichloropropane	13.02	9.83	1.325	ok	1.323	1.263-1.383
1,4-Dioxane	10.78	9.83	1.097	ok	1.089	1.029-1.149
Dichlorodifluoromethane	3.66	7.66	0.478	ok	0.477	0.417-0.537
Dichlorofluoromethane	4.42	7.66	0.577	ok	0.576	0.516-0.636
Dibromochloromethane	13.51	15.35	0.880	ok	0.880	0.820-0.940
Dibromomethane	10.34	9.83	1.052	ok	1.052	0.992-1.112
trans-1,2-Dichloroethylene	6.46	7.66	0.843	ok	0.842	0.782-0.902

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2490
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	Reporting this level
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	7.50	7.66	0.979	ok	0.978	0.918-1.038
cis-1,3-Dichloropropene	11.74	9.83	1.194	ok	1.194	1.134-1.254
m-Dichlorobenzene	19.82	15.35	1.291	ok	1.291	1.231-1.351
o-Dichlorobenzene	20.41	15.35	1.330	ok	1.330	1.270-1.390
p-Dichlorobenzene	19.93	15.35	1.298	ok	1.298	1.238-1.358
trans-1,3-Dichloropropene	12.43	9.83	1.264	ok	1.263	1.203-1.323
Di-Isopropyl ether	7.77	7.66	1.014	ok	1.008	0.948-1.068
2,3-Dimethylpentane	10.00	9.83	1.017	ok	1.017	0.957-1.077
2,4-Dimethylpentane	8.67	7.66	1.132	ok	1.130	1.070-1.190
Ethylbenzene	15.96	15.35	1.040	ok	1.040	0.980-1.100
Ethyl Acetate	7.81	7.66	1.020	ok	1.013	0.953-1.073
Ethyl Acrylate	10.48	9.83	1.066	ok	1.062	1.002-1.122
4-Ethyltoluene	18.88	15.35	1.230	ok	1.230	1.170-1.290
Freon 113	5.82	7.66	0.760	ok	0.759	0.699-0.819
Freon 114	3.85	7.66	0.503	ok	0.501	0.441-0.561
Freon 115	3.46	7.66	0.452	ok	0.452	0.392-0.512
Freon 123	4.74	7.66	0.619	ok	0.617	0.557-0.677
Freon 123A	4.78	7.66	0.624	ok	0.623	0.563-0.683
Freon 142B	3.75	7.66	0.490	ok	0.489	0.429-0.549
Freon 152A	3.55	7.66	0.463	ok	0.463	0.403-0.523
Heptane	11.03	9.83	1.122	ok	1.122	1.062-1.182
Hexachlorobutadiene	23.36	15.35	1.522	ok	1.522	1.462-1.582
Hexachloroethane	21.32	15.35	1.389	ok	1.389	1.329-1.449
Hexane	7.71	7.66	1.007	ok	1.005	0.945-1.065
2-Hexanone	13.43	15.35	0.875	ok	0.872	0.812-0.932
Iodomethane	5.42	7.66	0.708	ok	0.707	0.647-0.767
Isopropylbenzene	17.82	15.35	1.161	ok	1.161	1.101-1.221
Isopropyl Alcohol	5.09	7.66	0.664	ok	0.659	0.599-0.719
p-Isopropyltoluene	20.27	15.35	1.321	ok	1.320	1.260-1.380
Methylene chloride	5.60	7.66	0.731	ok	0.730	0.670-0.790
Methyl ethyl ketone	7.14	7.66	0.932	ok	0.924	0.864-0.984
Methyl Isobutyl Ketone	11.87	9.83	1.208	ok	1.202	1.142-1.262
Methyl Tert Butyl Ether	6.78	7.66	0.885	ok	0.879	0.819-0.939
Methylmethacrylate	10.98	9.83	1.117	ok	1.114	1.054-1.174
Naphthalene	22.89	15.35	1.491	ok	1.491	1.431-1.551
Nonane	17.31	15.35	1.128	ok	1.128	1.068-1.188
Octane	14.33	15.35	0.934	ok	0.934	0.874-0.994
Pentane	5.23	7.66	0.683	ok	0.682	0.622-0.742
n-Propylbenzene	18.64	15.35	1.214	ok	1.214	1.154-1.274

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2490
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	Reporting this level
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Propylene	3.60	7.66	0.470	ok	0.469	0.409-0.529
Styrene	16.76	15.35	1.092	ok	1.092	1.032-1.152
1,1,1-Trichloroethane	8.87	7.66	1.158	ok	1.157	1.097-1.217
1,1,1,2-Tetrachloroethane	15.40	15.35	1.003	ok	1.003	0.943-1.063
1,1,2,2-Tetrachloroethane	16.91	15.35	1.102	ok	1.102	1.042-1.162
1,1,2-Trichloroethane	12.62	9.83	1.284	ok	1.283	1.223-1.343
1,2,4-Trichlorobenzene	23.22	15.35	1.513	ok	1.513	1.453-1.573
1,2,3-Trichloropropane	17.10	15.35	1.114	ok	1.114	1.054-1.174
1,2,3-Trimethylbenzene	20.23	15.35	1.318	ok	1.318	1.258-1.378
1,2,4-Trimethylbenzene	19.63	15.35	1.279	ok	1.279	1.219-1.339
1,3,5-Trimethylbenzene	19.02	15.35	1.239	ok	1.239	1.179-1.299
2,2,4-Trimethylpentane	10.68	9.83	1.086	ok	1.087	1.027-1.147
Tertiary Butyl Alcohol	5.64	7.66	0.736	ok	0.729	0.669-0.789
Tetrachloroethylene	14.47	15.35	0.943	ok	0.943	0.883-1.003
Tetrahydrofuran	8.34	7.66	1.089	ok	1.079	1.019-1.139
Toluene	12.97	9.83	1.319	ok	1.319	1.259-1.379
Trichloroethylene	10.65	9.83	1.083	ok	1.083	1.023-1.143
Trichlorofluoromethane	4.94	7.66	0.645	ok	0.645	0.585-0.705
Vinyl chloride	3.93	7.66	0.513	ok	0.512	0.452-0.572
Vinyl Acetate	6.84	7.66	0.893	ok	0.889	0.829-0.949
m,p-Xylene	16.24	15.35	1.058	ok	1.058	0.998-1.118
o-Xylene	16.91	15.35	1.102	ok	1.101	1.041-1.161
TVHC As Equiv Pentane	5.23	15.35	0.341	ok	0.341	0.281-0.401

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.66	ok	7.67	7.34-8.00	334972	ok	339251	203551-474951
1,4-Difluorobenzene	9.83	ok	9.83	9.50-10.16	1532765	ok	1491175	894705-2087645
Chlorobenzene-D5	15.35	ok	15.35	15.02-15.68	812540	ok	882807	529684-1235930

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2490
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	Reporting this level
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	4.85	7.66	0.633	ok	0.630	0.570-0.690
Acrolein	4.73	7.66	0.617	ok	0.615	0.555-0.675
Acrylonitrile	5.22	7.66	0.681	ok	0.679	0.619-0.739
Acetonitrile	4.63	7.66	0.604	ok	0.603	0.543-0.663
1,3-Butadiene	4.03	7.66	0.526	ok	0.526	0.466-0.586
Benzene	9.40	9.83	0.956	ok	0.956	0.896-1.016
Bromobenzene	17.91	15.35	1.167	ok	1.167	1.107-1.227
Bromodichloromethane	10.61	9.83	1.079	ok	1.079	1.019-1.139
Bromoform	16.29	15.35	1.061	ok	1.062	1.002-1.122
Bromomethane	4.23	7.66	0.552	ok	0.551	0.491-0.611
Bromoethene	4.62	7.66	0.603	ok	0.602	0.542-0.662
n-Butane	4.07	7.66	0.531	ok	0.530	0.470-0.590
Benzyl Chloride	19.81	15.35	1.291	ok	1.291	1.231-1.351
n-Butylbenzene	20.85	15.35	1.358	ok	1.359	1.299-1.419
sec-Butylbenzene	20.01	15.35	1.304	ok	1.304	1.244-1.364
tert-Butylbenzene	19.61	15.35	1.278	ok	1.278	1.218-1.338
Carbon disulfide	5.85	7.66	0.764	ok	0.763	0.703-0.823
Chlorobenzene	15.41	15.35	1.004	ok	1.004	0.944-1.064
Chlorodifluoromethane	3.58	7.66	0.467	ok	0.467	0.407-0.527
Chloroethane	4.36	7.66	0.569	ok	0.568	0.508-0.628
Chlorotrifluoroethene	3.61	7.66	0.471	ok	0.471	0.411-0.531
Chloroform	7.80	7.66	1.018	ok	1.018	0.958-1.078
Chloromethane	3.77	7.66	0.492	ok	0.492	0.432-0.552
3-Chloropropene	5.69	7.66	0.743	ok	0.743	0.683-0.803
2-Chlorotoluene	18.55	15.35	1.208	ok	1.209	1.149-1.269
Carbon tetrachloride	9.57	7.66	1.249	ok	1.248	1.188-1.308
Cyclohexane	9.70	9.83	0.987	ok	0.986	0.926-1.046
1,1-Dichloroethane	6.65	7.66	0.868	ok	0.867	0.807-0.927
1,1-Dichloroethylene	5.48	7.66	0.715	ok	0.715	0.655-0.775
1,2-Dibromoethane (EDB)	13.83	15.35	0.901	ok	0.901	0.841-0.961
1,2-Dichloroethane	8.61	7.66	1.124	ok	1.123	1.063-1.183
1,2-Dichloropropane	10.36	9.83	1.054	ok	1.054	0.994-1.114
1,3-Dichloropropane	13.02	9.83	1.325	ok	1.323	1.263-1.383
1,4-Dioxane	10.75	9.83	1.094	ok	1.089	1.029-1.149
Dichlorodifluoromethane	3.66	7.66	0.478	ok	0.477	0.417-0.537
Dichlorofluoromethane	4.42	7.66	0.577	ok	0.576	0.516-0.636
Dibromochloromethane	13.51	15.35	0.880	ok	0.880	0.820-0.940
Dibromomethane	10.34	9.83	1.052	ok	1.052	0.992-1.112
trans-1,2-Dichloroethylene	6.46	7.66	0.843	ok	0.842	0.782-0.902

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2490
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	Reporting this level
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	7.50	7.66	0.979	ok	0.978	0.918-1.038
cis-1,3-Dichloropropene	11.74	9.83	1.194	ok	1.194	1.134-1.254
m-Dichlorobenzene	19.82	15.35	1.291	ok	1.291	1.231-1.351
o-Dichlorobenzene	20.41	15.35	1.330	ok	1.330	1.270-1.390
p-Dichlorobenzene	19.92	15.35	1.298	ok	1.298	1.238-1.358
trans-1,3-Dichloropropene	12.42	9.83	1.263	ok	1.263	1.203-1.323
Di-Isopropyl ether	7.75	7.66	1.012	ok	1.008	0.948-1.068
2,3-Dimethylpentane	10.00	9.83	1.017	ok	1.017	0.957-1.077
2,4-Dimethylpentane	8.67	7.66	1.132	ok	1.130	1.070-1.190
Ethanol	4.48	7.66	0.585	ok	0.582	0.522-0.642
Ethylbenzene	15.96	15.35	1.040	ok	1.040	0.980-1.100
Ethyl Acetate	7.79	7.66	1.017	ok	1.013	0.953-1.073
Ethyl Acrylate	10.46	9.83	1.064	ok	1.062	1.002-1.122
4-Ethyltoluene	18.88	15.35	1.230	ok	1.230	1.170-1.290
Freon 113	5.82	7.66	0.760	ok	0.759	0.699-0.819
Freon 114	3.84	7.66	0.501	ok	0.501	0.441-0.561
Freon 115	3.47	7.66	0.453	ok	0.452	0.392-0.512
Freon 123	4.73	7.66	0.617	ok	0.617	0.557-0.677
Freon 123A	4.78	7.66	0.624	ok	0.623	0.563-0.683
Freon 142B	3.75	7.66	0.490	ok	0.489	0.429-0.549
Freon 152A	3.55	7.66	0.463	ok	0.463	0.403-0.523
Heptane	11.03	9.83	1.122	ok	1.122	1.062-1.182
Hexachlorobutadiene	23.36	15.35	1.522	ok	1.522	1.462-1.582
Hexachloroethane	21.32	15.35	1.389	ok	1.389	1.329-1.449
Hexane	7.71	7.66	1.007	ok	1.005	0.945-1.065
2-Hexanone	13.41	15.35	0.874	ok	0.872	0.812-0.932
Iodomethane	5.42	7.66	0.708	ok	0.707	0.647-0.767
Isopropylbenzene	17.81	15.35	1.160	ok	1.161	1.101-1.221
Isopropyl Alcohol	5.08	7.66	0.663	ok	0.659	0.599-0.719
p-Isopropyltoluene	20.27	15.35	1.321	ok	1.320	1.260-1.380
Methylene chloride	5.59	7.66	0.730	ok	0.730	0.670-0.790
Methyl ethyl ketone	7.11	7.66	0.928	ok	0.924	0.864-0.984
Methyl Isobutyl Ketone	11.85	9.83	1.205	ok	1.202	1.142-1.262
Methyl Tert Butyl Ether	6.76	7.66	0.883	ok	0.879	0.819-0.939
Methylmethacrylate	10.97	9.83	1.116	ok	1.114	1.054-1.174
Naphthalene	22.89	15.35	1.491	ok	1.491	1.431-1.551
Nonane	17.31	15.35	1.128	ok	1.128	1.068-1.188
Octane	14.33	15.35	0.934	ok	0.934	0.874-0.994
Pentane	5.23	7.66	0.683	ok	0.682	0.622-0.742

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2490
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	Reporting this level
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
n-Propylbenzene	18.64	15.35	1.214	ok	1.214	1.154-1.274
Propylene	3.60	7.66	0.470	ok	0.469	0.409-0.529
Styrene	16.75	15.35	1.091	ok	1.092	1.032-1.152
1,1,1-Trichloroethane	8.87	7.66	1.158	ok	1.157	1.097-1.217
1,1,1,2-Tetrachloroethane	15.39	15.35	1.003	ok	1.003	0.943-1.063
1,1,2,2-Tetrachloroethane	16.91	15.35	1.102	ok	1.102	1.042-1.162
1,1,2-Trichloroethane	12.62	9.83	1.284	ok	1.283	1.223-1.343
1,2,4-Trichlorobenzene	23.22	15.35	1.513	ok	1.513	1.453-1.573
1,2,3-Trichloropropane	17.10	15.35	1.114	ok	1.114	1.054-1.174
1,2,3-Trimethylbenzene	20.23	15.35	1.318	ok	1.318	1.258-1.378
1,2,4-Trimethylbenzene	19.63	15.35	1.279	ok	1.279	1.219-1.339
1,3,5-Trimethylbenzene	19.01	15.35	1.238	ok	1.239	1.179-1.299
2,2,4-Trimethylpentane	10.69	9.83	1.087	ok	1.087	1.027-1.147
Tertiary Butyl Alcohol	5.62	7.66	0.734	ok	0.729	0.669-0.789
Tetrachloroethylene	14.47	15.35	0.943	ok	0.943	0.883-1.003
Tetrahydrofuran	8.31	7.66	1.085	ok	1.079	1.019-1.139
Toluene	12.97	9.83	1.319	ok	1.319	1.259-1.379
Trichloroethylene	10.65	9.83	1.083	ok	1.083	1.023-1.143
Trichlorofluoromethane	4.94	7.66	0.645	ok	0.645	0.585-0.705
Vinyl chloride	3.93	7.66	0.513	ok	0.512	0.452-0.572
Vinyl Acetate	6.83	7.66	0.892	ok	0.889	0.829-0.949
m,p-Xylene	16.23	15.35	1.057	ok	1.058	0.998-1.118
o-Xylene	16.90	15.35	1.101	ok	1.101	1.041-1.161
TVHC As Equiv Pentane	5.23	15.35	0.341	ok	0.341	0.281-0.401

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.66	ok	7.67	7.34-8.00	330769	ok	339251	203551-474951
1,4-Difluorobenzene	9.83	ok	9.83	9.50-10.16	1512302	ok	1491175	894705-2087645
Chlorobenzene-D5	15.35	ok	15.35	15.02-15.68	803446	ok	882807	529684-1235930

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2490
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	Reporting this level
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	4.83	7.67	0.630	ok	0.630	0.570-0.690
Acrolein	4.71	7.67	0.614	ok	0.615	0.555-0.675
Acrylonitrile	5.20	7.67	0.678	ok	0.679	0.619-0.739
Acetonitrile	4.62	7.67	0.602	ok	0.603	0.543-0.663
1,3-Butadiene	4.03	7.67	0.525	ok	0.526	0.466-0.586
Benzene	9.40	9.83	0.956	ok	0.956	0.896-1.016
Bromobenzene	17.90	15.35	1.166	ok	1.167	1.107-1.227
Bromodichloromethane	10.61	9.83	1.079	ok	1.079	1.019-1.139
Bromoform	16.29	15.35	1.061	ok	1.062	1.002-1.122
Bromomethane	4.23	7.67	0.551	ok	0.551	0.491-0.611
Bromoethene	4.62	7.67	0.602	ok	0.602	0.542-0.662
n-Butane	4.07	7.67	0.531	ok	0.530	0.470-0.590
Benzyl Chloride	19.81	15.35	1.291	ok	1.291	1.231-1.351
n-Butylbenzene	20.85	15.35	1.358	ok	1.359	1.299-1.419
sec-Butylbenzene	20.01	15.35	1.304	ok	1.304	1.244-1.364
tert-Butylbenzene	19.61	15.35	1.278	ok	1.278	1.218-1.338
Carbon disulfide	5.85	7.67	0.763	ok	0.763	0.703-0.823
Chlorobenzene	15.41	15.35	1.004	ok	1.004	0.944-1.064
Chlorodifluoromethane	3.58	7.67	0.467	ok	0.467	0.407-0.527
Chloroethane	4.35	7.67	0.567	ok	0.568	0.508-0.628
Chlorotrifluoroethene	3.61	7.67	0.471	ok	0.471	0.411-0.531
Chloroform	7.81	7.67	1.018	ok	1.018	0.958-1.078
Chloromethane	3.77	7.67	0.492	ok	0.492	0.432-0.552
3-Chloropropene	5.69	7.67	0.742	ok	0.743	0.683-0.803
2-Chlorotoluene	18.55	15.35	1.208	ok	1.209	1.149-1.269
Carbon tetrachloride	9.57	7.67	1.248	ok	1.248	1.188-1.308
Cyclohexane	9.70	9.83	0.987	ok	0.986	0.926-1.046
1,1-Dichloroethane	6.65	7.67	0.867	ok	0.867	0.807-0.927
1,1-Dichloroethylene	5.48	7.67	0.714	ok	0.715	0.655-0.775
1,2-Dibromoethane (EDB)	13.82	15.35	0.900	ok	0.901	0.841-0.961
1,2-Dichloroethane	8.61	7.67	1.123	ok	1.123	1.063-1.183
1,2-Dichloropropane	10.36	9.83	1.054	ok	1.054	0.994-1.114
1,3-Dichloropropane	13.00	9.83	1.322	ok	1.323	1.263-1.383
1,4-Dioxane	10.69	9.83	1.087	ok	1.089	1.029-1.149
Dichlorodifluoromethane	3.65	7.67	0.476	ok	0.477	0.417-0.537
Dichlorofluoromethane	4.42	7.67	0.576	ok	0.576	0.516-0.636
Dibromochloromethane	13.51	15.35	0.880	ok	0.880	0.820-0.940
Dibromomethane	10.34	9.83	1.052	ok	1.052	0.992-1.112
trans-1,2-Dichloroethylene	6.45	7.67	0.841	ok	0.842	0.782-0.902

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2490
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	Reporting this level
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	7.50	7.67	0.978	ok	0.978	0.918-1.038
cis-1,3-Dichloropropene	11.73	9.83	1.193	ok	1.194	1.134-1.254
m-Dichlorobenzene	19.82	15.35	1.291	ok	1.291	1.231-1.351
o-Dichlorobenzene	20.41	15.35	1.330	ok	1.330	1.270-1.390
p-Dichlorobenzene	19.92	15.35	1.298	ok	1.298	1.238-1.358
trans-1,3-Dichloropropene	12.41	9.83	1.262	ok	1.263	1.203-1.323
Di-Isopropyl ether	7.72	7.67	1.007	ok	1.008	0.948-1.068
2,3-Dimethylpentane	10.00	9.83	1.017	ok	1.017	0.957-1.077
2,4-Dimethylpentane	8.66	7.67	1.129	ok	1.130	1.070-1.190
Ethanol	4.46	7.67	0.581	ok	0.582	0.522-0.642
Ethylbenzene	15.96	15.35	1.040	ok	1.040	0.980-1.100
Ethyl Acetate	7.76	7.67	1.012	ok	1.013	0.953-1.073
Ethyl Acrylate	10.42	9.83	1.060	ok	1.062	1.002-1.122
4-Ethyltoluene	18.88	15.35	1.230	ok	1.230	1.170-1.290
Freon 113	5.82	7.67	0.759	ok	0.759	0.699-0.819
Freon 114	3.84	7.67	0.501	ok	0.501	0.441-0.561
Freon 115	3.46	7.67	0.451	ok	0.452	0.392-0.512
Freon 123	4.73	7.67	0.617	ok	0.617	0.557-0.677
Freon 123A	4.78	7.67	0.623	ok	0.623	0.563-0.683
Freon 142B	3.75	7.67	0.489	ok	0.489	0.429-0.549
Freon 152A	3.55	7.67	0.463	ok	0.463	0.403-0.523
Heptane	11.03	9.83	1.122	ok	1.122	1.062-1.182
Hexachlorobutadiene	23.37	15.35	1.522	ok	1.522	1.462-1.582
Hexachloroethane	21.32	15.35	1.389	ok	1.389	1.329-1.449
Hexane	7.71	7.67	1.005	ok	1.005	0.945-1.065
2-Hexanone	13.37	15.35	0.871	ok	0.872	0.812-0.932
Iodomethane	5.42	7.67	0.707	ok	0.707	0.647-0.767
Isopropylbenzene	17.81	15.35	1.160	ok	1.161	1.101-1.221
Isopropyl Alcohol	5.04	7.67	0.657	ok	0.659	0.599-0.719
p-Isopropyltoluene	20.26	15.35	1.320	ok	1.320	1.260-1.380
Methylene chloride	5.59	7.67	0.729	ok	0.730	0.670-0.790
Methyl ethyl ketone	7.06	7.67	0.920	ok	0.924	0.864-0.984
Methyl Isobutyl Ketone	11.80	9.83	1.200	ok	1.202	1.142-1.262
Methyl Tert Butyl Ether	6.71	7.67	0.875	ok	0.879	0.819-0.939
Methylmethacrylate	10.94	9.83	1.113	ok	1.114	1.054-1.174
Naphthalene	22.88	15.35	1.491	ok	1.491	1.431-1.551
Nonane	17.31	15.35	1.128	ok	1.128	1.068-1.188
Octane	14.33	15.35	0.934	ok	0.934	0.874-0.994
Pentane	5.23	7.67	0.682	ok	0.682	0.622-0.742

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2490
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	Reporting this level
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
n-Propylbenzene	18.64	15.35	1.214	ok	1.214	1.154-1.274
Propylene	3.60	7.67	0.469	ok	0.469	0.409-0.529
Styrene	16.75	15.35	1.091	ok	1.092	1.032-1.152
1,1,1-Trichloroethane	8.87	7.67	1.156	ok	1.157	1.097-1.217
1,1,1,2-Tetrachloroethane	15.39	15.35	1.003	ok	1.003	0.943-1.063
1,1,2,2-Tetrachloroethane	16.91	15.35	1.102	ok	1.102	1.042-1.162
1,1,2-Trichloroethane	12.61	9.83	1.283	ok	1.283	1.223-1.343
1,2,4-Trichlorobenzene	23.22	15.35	1.513	ok	1.513	1.453-1.573
1,2,3-Trichloropropane	17.10	15.35	1.114	ok	1.114	1.054-1.174
1,2,3-Trimethylbenzene	20.23	15.35	1.318	ok	1.318	1.258-1.378
1,2,4-Trimethylbenzene	19.62	15.35	1.278	ok	1.279	1.219-1.339
1,3,5-Trimethylbenzene	19.01	15.35	1.238	ok	1.239	1.179-1.299
2,2,4-Trimethylpentane	10.69	9.83	1.087	ok	1.087	1.027-1.147
Tertiary Butyl Alcohol	5.56	7.67	0.725	ok	0.729	0.669-0.789
Tetrachloroethylene	14.47	15.35	0.943	ok	0.943	0.883-1.003
Tetrahydrofuran	8.26	7.67	1.077	ok	1.079	1.019-1.139
Toluene	12.96	9.83	1.318	ok	1.319	1.259-1.379
Trichloroethylene	10.65	9.83	1.083	ok	1.083	1.023-1.143
Trichlorofluoromethane	4.94	7.67	0.644	ok	0.645	0.585-0.705
Vinyl chloride	3.93	7.67	0.512	ok	0.512	0.452-0.572
Vinyl Acetate	6.81	7.67	0.888	ok	0.889	0.829-0.949
m,p-Xylene	16.23	15.35	1.057	ok	1.058	0.998-1.118
o-Xylene	16.90	15.35	1.101	ok	1.101	1.041-1.161
TVHC As Equiv Pentane	5.23	15.35	0.341	ok	0.341	0.281-0.401

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.67	ok	7.67	7.34-8.00	327920	ok	339251	203551-474951
1,4-Difluorobenzene	9.83	ok	9.83	9.50-10.16	1483978	ok	1491175	894705-2087645
Chlorobenzene-D5	15.35	ok	15.35	15.02-15.68	823417	ok	882807	529684-1235930

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2490
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	Reporting this level
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	4.82	7.67	0.628	ok	0.630	0.570-0.690
Acrolein	4.71	7.67	0.614	ok	0.615	0.555-0.675
Acrylonitrile	5.20	7.67	0.678	ok	0.679	0.619-0.739
Acetonitrile	4.62	7.67	0.602	ok	0.603	0.543-0.663
1,3-Butadiene	4.03	7.67	0.525	ok	0.526	0.466-0.586
Benzene	9.40	9.83	0.956	ok	0.956	0.896-1.016
Bromobenzene	17.91	15.35	1.167	ok	1.167	1.107-1.227
Bromodichloromethane	10.61	9.83	1.079	ok	1.079	1.019-1.139
Bromoform	16.29	15.35	1.061	ok	1.062	1.002-1.122
Bromomethane	4.23	7.67	0.551	ok	0.551	0.491-0.611
Bromoethene	4.62	7.67	0.602	ok	0.602	0.542-0.662
n-Butane	4.07	7.67	0.531	ok	0.530	0.470-0.590
Benzyl Chloride	19.81	15.35	1.291	ok	1.291	1.231-1.351
n-Butylbenzene	20.85	15.35	1.358	ok	1.359	1.299-1.419
sec-Butylbenzene	20.01	15.35	1.304	ok	1.304	1.244-1.364
tert-Butylbenzene	19.61	15.35	1.278	ok	1.278	1.218-1.338
Carbon disulfide	5.85	7.67	0.763	ok	0.763	0.703-0.823
Chlorobenzene	15.41	15.35	1.004	ok	1.004	0.944-1.064
Chlorodifluoromethane	3.58	7.67	0.467	ok	0.467	0.407-0.527
Chloroethane	4.35	7.67	0.567	ok	0.568	0.508-0.628
Chlorotrifluoroethene	3.61	7.67	0.471	ok	0.471	0.411-0.531
Chloroform	7.81	7.67	1.018	ok	1.018	0.958-1.078
Chloromethane	3.77	7.67	0.492	ok	0.492	0.432-0.552
3-Chloropropene	5.69	7.67	0.742	ok	0.743	0.683-0.803
2-Chlorotoluene	18.55	15.35	1.208	ok	1.209	1.149-1.269
Carbon tetrachloride	9.57	7.67	1.248	ok	1.248	1.188-1.308
Cyclohexane	9.70	9.83	0.987	ok	0.986	0.926-1.046
1,1-Dichloroethane	6.65	7.67	0.867	ok	0.867	0.807-0.927
1,1-Dichloroethylene	5.49	7.67	0.716	ok	0.715	0.655-0.775
1,2-Dibromoethane (EDB)	13.82	15.35	0.900	ok	0.901	0.841-0.961
1,2-Dichloroethane	8.61	7.67	1.123	ok	1.123	1.063-1.183
1,2-Dichloropropane	10.36	9.83	1.054	ok	1.054	0.994-1.114
1,3-Dichloropropane	13.01	9.83	1.323	ok	1.323	1.263-1.383
1,4-Dioxane	10.67	9.83	1.085	ok	1.089	1.029-1.149
Dichlorodifluoromethane	3.66	7.67	0.477	ok	0.477	0.417-0.537
Dichlorofluoromethane	4.42	7.67	0.576	ok	0.576	0.516-0.636
Dibromochloromethane	13.51	15.35	0.880	ok	0.880	0.820-0.940
Dibromomethane	10.34	9.83	1.052	ok	1.052	0.992-1.112
trans-1,2-Dichloroethylene	6.45	7.67	0.841	ok	0.842	0.782-0.902

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2490
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	Reporting this level
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	7.50	7.67	0.978	ok	0.978	0.918-1.038
cis-1,3-Dichloropropene	11.73	9.83	1.193	ok	1.194	1.134-1.254
m-Dichlorobenzene	19.82	15.35	1.291	ok	1.291	1.231-1.351
o-Dichlorobenzene	20.41	15.35	1.330	ok	1.330	1.270-1.390
p-Dichlorobenzene	19.92	15.35	1.298	ok	1.298	1.238-1.358
trans-1,3-Dichloropropene	12.41	9.83	1.262	ok	1.263	1.203-1.323
Di-Isopropyl ether	7.72	7.67	1.007	ok	1.008	0.948-1.068
2,3-Dimethylpentane	10.00	9.83	1.017	ok	1.017	0.957-1.077
2,4-Dimethylpentane	8.67	7.67	1.130	ok	1.130	1.070-1.190
Ethanol	4.46	7.67	0.581	ok	0.582	0.522-0.642
Ethylbenzene	15.96	15.35	1.040	ok	1.040	0.980-1.100
Ethyl Acetate	7.75	7.67	1.010	ok	1.013	0.953-1.073
Ethyl Acrylate	10.42	9.83	1.060	ok	1.062	1.002-1.122
4-Ethyltoluene	18.88	15.35	1.230	ok	1.230	1.170-1.290
Freon 113	5.82	7.67	0.759	ok	0.759	0.699-0.819
Freon 114	3.84	7.67	0.501	ok	0.501	0.441-0.561
Freon 115	3.47	7.67	0.452	ok	0.452	0.392-0.512
Freon 123	4.73	7.67	0.617	ok	0.617	0.557-0.677
Freon 123A	4.78	7.67	0.623	ok	0.623	0.563-0.683
Freon 142B	3.75	7.67	0.489	ok	0.489	0.429-0.549
Freon 152A	3.55	7.67	0.463	ok	0.463	0.403-0.523
Heptane	11.03	9.83	1.122	ok	1.122	1.062-1.182
Hexachlorobutadiene	23.37	15.35	1.522	ok	1.522	1.462-1.582
Hexachloroethane	21.32	15.35	1.389	ok	1.389	1.329-1.449
Hexane	7.71	7.67	1.005	ok	1.005	0.945-1.065
2-Hexanone	13.36	15.35	0.870	ok	0.872	0.812-0.932
Iodomethane	5.42	7.67	0.707	ok	0.707	0.647-0.767
Isopropylbenzene	17.81	15.35	1.160	ok	1.161	1.101-1.221
Isopropyl Alcohol	5.03	7.67	0.656	ok	0.659	0.599-0.719
p-Isopropyltoluene	20.27	15.35	1.321	ok	1.320	1.260-1.380
Methylene chloride	5.60	7.67	0.730	ok	0.730	0.670-0.790
Methyl ethyl ketone	7.06	7.67	0.920	ok	0.924	0.864-0.984
Methyl Isobutyl Ketone	11.79	9.83	1.199	ok	1.202	1.142-1.262
Methyl Tert Butyl Ether	6.71	7.67	0.875	ok	0.879	0.819-0.939
Methylmethacrylate	10.94	9.83	1.113	ok	1.114	1.054-1.174
Naphthalene	22.88	15.35	1.491	ok	1.491	1.431-1.551
Nonane	17.31	15.35	1.128	ok	1.128	1.068-1.188
Octane	14.33	15.35	0.934	ok	0.934	0.874-0.994
Pentane	5.23	7.67	0.682	ok	0.682	0.622-0.742

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2490
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	Reporting this level
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
n-Propylbenzene	18.64	15.35	1.214	ok	1.214	1.154-1.274
Propylene	3.60	7.67	0.469	ok	0.469	0.409-0.529
Styrene	16.75	15.35	1.091	ok	1.092	1.032-1.152
1,1,1-Trichloroethane	8.87	7.67	1.156	ok	1.157	1.097-1.217
1,1,1,2-Tetrachloroethane	15.39	15.35	1.003	ok	1.003	0.943-1.063
1,1,2,2-Tetrachloroethane	16.91	15.35	1.102	ok	1.102	1.042-1.162
1,1,2-Trichloroethane	12.61	9.83	1.283	ok	1.283	1.223-1.343
1,2,4-Trichlorobenzene	23.22	15.35	1.513	ok	1.513	1.453-1.573
1,2,3-Trichloropropane	17.10	15.35	1.114	ok	1.114	1.054-1.174
1,2,3-Trimethylbenzene	20.23	15.35	1.318	ok	1.318	1.258-1.378
1,2,4-Trimethylbenzene	19.63	15.35	1.279	ok	1.279	1.219-1.339
1,3,5-Trimethylbenzene	19.01	15.35	1.238	ok	1.239	1.179-1.299
2,2,4-Trimethylpentane	10.69	9.83	1.087	ok	1.087	1.027-1.147
Tertiary Butyl Alcohol	5.55	7.67	0.724	ok	0.729	0.669-0.789
Tetrachloroethylene	14.47	15.35	0.943	ok	0.943	0.883-1.003
Tetrahydrofuran	8.24	7.67	1.074	ok	1.079	1.019-1.139
Toluene	12.96	9.83	1.318	ok	1.319	1.259-1.379
Trichloroethylene	10.65	9.83	1.083	ok	1.083	1.023-1.143
Trichlorofluoromethane	4.95	7.67	0.645	ok	0.645	0.585-0.705
Vinyl chloride	3.93	7.67	0.512	ok	0.512	0.452-0.572
Vinyl Acetate	6.81	7.67	0.888	ok	0.889	0.829-0.949
m,p-Xylene	16.23	15.35	1.057	ok	1.058	0.998-1.118
o-Xylene	16.90	15.35	1.101	ok	1.101	1.041-1.161
TVHC As Equiv Pentane	5.23	15.35	0.341	ok	0.341	0.281-0.401

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.67	ok	7.67	7.34-8.00	339202	ok	339251	203551-474951
1,4-Difluorobenzene	9.83	ok	9.83	9.50-10.16	1511260	ok	1491175	894705-2087645
Chlorobenzene-D5	15.35	ok	15.35	15.02-15.68	875250	ok	882807	529684-1235930

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2490
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	Reporting this level
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	4.82	7.68	0.628	ok	0.630	0.570-0.690
Acrolein	4.71	7.68	0.613	ok	0.615	0.555-0.675
Acrylonitrile	5.20	7.68	0.677	ok	0.679	0.619-0.739
Acetonitrile	4.62	7.68	0.602	ok	0.603	0.543-0.663
1,3-Butadiene	4.03	7.68	0.525	ok	0.526	0.466-0.586
Benzene	9.40	9.84	0.955	ok	0.956	0.896-1.016
Bromobenzene	17.91	15.35	1.167	ok	1.167	1.107-1.227
Bromodichloromethane	10.61	9.84	1.078	ok	1.079	1.019-1.139
Bromoform	16.30	15.35	1.062	ok	1.062	1.002-1.122
Bromomethane	4.23	7.68	0.551	ok	0.551	0.491-0.611
Bromoethene	4.62	7.68	0.602	ok	0.602	0.542-0.662
n-Butane	4.07	7.68	0.530	ok	0.530	0.470-0.590
Benzyl Chloride	19.81	15.35	1.291	ok	1.291	1.231-1.351
n-Butylbenzene	20.85	15.35	1.358	ok	1.359	1.299-1.419
sec-Butylbenzene	20.02	15.35	1.304	ok	1.304	1.244-1.364
tert-Butylbenzene	19.62	15.35	1.278	ok	1.278	1.218-1.338
Carbon disulfide	5.85	7.68	0.762	ok	0.763	0.703-0.823
Chlorobenzene	15.41	15.35	1.004	ok	1.004	0.944-1.064
Chlorodifluoromethane	3.58	7.68	0.466	ok	0.467	0.407-0.527
Chloroethane	4.35	7.68	0.566	ok	0.568	0.508-0.628
Chlorotrifluoroethene	3.61	7.68	0.470	ok	0.471	0.411-0.531
Chloroform	7.82	7.68	1.018	ok	1.018	0.958-1.078
Chloromethane	3.77	7.68	0.491	ok	0.492	0.432-0.552
3-Chloropropene	5.70	7.68	0.742	ok	0.743	0.683-0.803
2-Chlorotoluene	18.55	15.35	1.208	ok	1.209	1.149-1.269
Carbon tetrachloride	9.57	7.68	1.246	ok	1.248	1.188-1.308
Cyclohexane	9.70	9.84	0.986	ok	0.986	0.926-1.046
1,1-Dichloroethane	6.65	7.68	0.866	ok	0.867	0.807-0.927
1,1-Dichloroethylene	5.49	7.68	0.715	ok	0.715	0.655-0.775
1,2-Dibromoethane (EDB)	13.83	15.35	0.901	ok	0.901	0.841-0.961
1,2-Dichloroethane	8.61	7.68	1.121	ok	1.123	1.063-1.183
1,2-Dichloropropane	10.36	9.84	1.053	ok	1.054	0.994-1.114
1,3-Dichloropropane	13.01	9.84	1.322	ok	1.323	1.263-1.383
1,4-Dioxane	10.67	9.84	1.084	ok	1.089	1.029-1.149
Dichlorodifluoromethane	3.66	7.68	0.477	ok	0.477	0.417-0.537
Dichlorofluoromethane	4.42	7.68	0.576	ok	0.576	0.516-0.636
Dibromochloromethane	13.51	15.35	0.880	ok	0.880	0.820-0.940
Dibromomethane	10.34	9.84	1.051	ok	1.052	0.992-1.112
trans-1,2-Dichloroethylene	6.45	7.68	0.840	ok	0.842	0.782-0.902

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2490
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	Reporting this level
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	7.50	7.68	0.977	ok	0.978	0.918-1.038
cis-1,3-Dichloropropene	11.73	9.84	1.192	ok	1.194	1.134-1.254
m-Dichlorobenzene	19.82	15.35	1.291	ok	1.291	1.231-1.351
o-Dichlorobenzene	20.41	15.35	1.330	ok	1.330	1.270-1.390
p-Dichlorobenzene	19.92	15.35	1.298	ok	1.298	1.238-1.358
trans-1,3-Dichloropropene	12.41	9.84	1.261	ok	1.263	1.203-1.323
Di-Isopropyl ether	7.72	7.68	1.005	ok	1.008	0.948-1.068
2,3-Dimethylpentane	10.00	9.84	1.016	ok	1.017	0.957-1.077
2,4-Dimethylpentane	8.67	7.68	1.129	ok	1.130	1.070-1.190
Ethanol	4.46	7.68	0.581	ok	0.582	0.522-0.642
Ethylbenzene	15.96	15.35	1.040	ok	1.040	0.980-1.100
Ethyl Acetate	7.75	7.68	1.009	ok	1.013	0.953-1.073
Ethyl Acrylate	10.41	9.84	1.058	ok	1.062	1.002-1.122
4-Ethyltoluene	18.88	15.35	1.230	ok	1.230	1.170-1.290
Freon 113	5.82	7.68	0.758	ok	0.759	0.699-0.819
Freon 114	3.84	7.68	0.500	ok	0.501	0.441-0.561
Freon 115	3.47	7.68	0.452	ok	0.452	0.392-0.512
Freon 123	4.73	7.68	0.616	ok	0.617	0.557-0.677
Freon 123A	4.78	7.68	0.622	ok	0.623	0.563-0.683
Freon 142B	3.75	7.68	0.488	ok	0.489	0.429-0.549
Freon 152A	3.55	7.68	0.462	ok	0.463	0.403-0.523
Heptane	11.03	9.84	1.121	ok	1.122	1.062-1.182
Hexachlorobutadiene	23.37	15.35	1.522	ok	1.522	1.462-1.582
Hexachloroethane	21.32	15.35	1.389	ok	1.389	1.329-1.449
Hexane	7.71	7.68	1.004	ok	1.005	0.945-1.065
2-Hexanone	13.36	15.35	0.870	ok	0.872	0.812-0.932
Iodomethane	5.42	7.68	0.706	ok	0.707	0.647-0.767
Isopropylbenzene	17.82	15.35	1.161	ok	1.161	1.101-1.221
Isopropyl Alcohol	5.03	7.68	0.655	ok	0.659	0.599-0.719
p-Isopropyltoluene	20.27	15.35	1.321	ok	1.320	1.260-1.380
Methylene chloride	5.60	7.68	0.729	ok	0.730	0.670-0.790
Methyl ethyl ketone	7.05	7.68	0.918	ok	0.924	0.864-0.984
Methyl Isobutyl Ketone	11.79	9.84	1.198	ok	1.202	1.142-1.262
Methyl Tert Butyl Ether	6.71	7.68	0.874	ok	0.879	0.819-0.939
Methylmethacrylate	10.94	9.84	1.112	ok	1.114	1.054-1.174
Naphthalene	22.88	15.35	1.491	ok	1.491	1.431-1.551
Nonane	17.32	15.35	1.128	ok	1.128	1.068-1.188
Octane	14.33	15.35	0.934	ok	0.934	0.874-0.994
Pentane	5.23	7.68	0.681	ok	0.682	0.622-0.742

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2490
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	Reporting this level
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
n-Propylbenzene	18.64	15.35	1.214	ok	1.214	1.154-1.274
Propylene	3.60	7.68	0.469	ok	0.469	0.409-0.529
Styrene	16.75	15.35	1.091	ok	1.092	1.032-1.152
1,1,1-Trichloroethane	8.88	7.68	1.156	ok	1.157	1.097-1.217
1,1,1,2-Tetrachloroethane	15.40	15.35	1.003	ok	1.003	0.943-1.063
1,1,2,2-Tetrachloroethane	16.91	15.35	1.102	ok	1.102	1.042-1.162
1,1,2-Trichloroethane	12.61	9.84	1.282	ok	1.283	1.223-1.343
1,2,4-Trichlorobenzene	23.22	15.35	1.513	ok	1.513	1.453-1.573
1,2,3-Trichloropropane	17.10	15.35	1.114	ok	1.114	1.054-1.174
1,2,3-Trimethylbenzene	20.24	15.35	1.319	ok	1.318	1.258-1.378
1,2,4-Trimethylbenzene	19.63	15.35	1.279	ok	1.279	1.219-1.339
1,3,5-Trimethylbenzene	19.01	15.35	1.238	ok	1.239	1.179-1.299
2,2,4-Trimethylpentane	10.69	9.84	1.086	ok	1.087	1.027-1.147
Tertiary Butyl Alcohol	5.54	7.68	0.721	ok	0.729	0.669-0.789
Tetrachloroethylene	14.47	15.35	0.943	ok	0.943	0.883-1.003
Tetrahydrofuran	8.23	7.68	1.072	ok	1.079	1.019-1.139
Toluene	12.96	9.84	1.317	ok	1.319	1.259-1.379
Trichloroethylene	10.65	9.84	1.082	ok	1.083	1.023-1.143
Trichlorofluoromethane	4.95	7.68	0.645	ok	0.645	0.585-0.705
Vinyl chloride	3.93	7.68	0.512	ok	0.512	0.452-0.572
Vinyl Acetate	6.81	7.68	0.887	ok	0.889	0.829-0.949
m,p-Xylene	16.24	15.35	1.058	ok	1.058	0.998-1.118
o-Xylene	16.91	15.35	1.102	ok	1.101	1.041-1.161
TVHC As Equiv Pentane	5.23	15.35	0.341	ok	0.341	0.281-0.401

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.68	ok	7.67	7.34-8.00	342882	ok	339251	203551-474951
1,4-Difluorobenzene	9.84	ok	9.83	9.50-10.16	1466721	ok	1491175	894705-2087645
Chlorobenzene-D5	15.35	ok	15.35	15.02-15.68	922805	ok	882807	529684-1235930

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2490
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	Reporting this level
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	4.82	7.68	0.628	ok	0.630	0.570-0.690
Acrolein	4.71	7.68	0.613	ok	0.615	0.555-0.675
Acrylonitrile	5.20	7.68	0.677	ok	0.679	0.619-0.739
Acetonitrile	4.62	7.68	0.602	ok	0.603	0.543-0.663
1,3-Butadiene	4.02	7.68	0.523	ok	0.526	0.466-0.586
Benzene	9.40	9.84	0.955	ok	0.956	0.896-1.016
Bromobenzene	17.92	15.35	1.167	ok	1.167	1.107-1.227
Bromodichloromethane	10.61	9.84	1.078	ok	1.079	1.019-1.139
Bromoform	16.30	15.35	1.062	ok	1.062	1.002-1.122
Bromomethane	4.22	7.68	0.549	ok	0.551	0.491-0.611
Bromoethene	4.62	7.68	0.602	ok	0.602	0.542-0.662
n-Butane	4.06	7.68	0.529	ok	0.530	0.470-0.590
Benzyl Chloride	19.82	15.35	1.291	ok	1.291	1.231-1.351
n-Butylbenzene	20.86	15.35	1.359	ok	1.359	1.299-1.419
sec-Butylbenzene	20.02	15.35	1.304	ok	1.304	1.244-1.364
tert-Butylbenzene	19.62	15.35	1.278	ok	1.278	1.218-1.338
Carbon disulfide	5.85	7.68	0.762	ok	0.763	0.703-0.823
Chlorobenzene	15.41	15.35	1.004	ok	1.004	0.944-1.064
Chlorodifluoromethane	3.57	7.68	0.465	ok	0.467	0.407-0.527
Chloroethane	4.35	7.68	0.566	ok	0.568	0.508-0.628
Chlorotrifluoroethene	3.60	7.68	0.469	ok	0.471	0.411-0.531
Chloroform	7.82	7.68	1.018	ok	1.018	0.958-1.078
Chloromethane	3.77	7.68	0.491	ok	0.492	0.432-0.552
3-Chloropropene	5.69	7.68	0.741	ok	0.743	0.683-0.803
2-Chlorotoluene	18.55	15.35	1.208	ok	1.209	1.149-1.269
Carbon tetrachloride	9.57	7.68	1.246	ok	1.248	1.188-1.308
Cyclohexane	9.70	9.84	0.986	ok	0.986	0.926-1.046
1,1-Dichloroethane	6.65	7.68	0.866	ok	0.867	0.807-0.927
1,1-Dichloroethylene	5.48	7.68	0.714	ok	0.715	0.655-0.775
1,2-Dibromoethane (EDB)	13.84	15.35	0.902	ok	0.901	0.841-0.961
1,2-Dichloroethane	8.61	7.68	1.121	ok	1.123	1.063-1.183
1,2-Dichloropropane	10.36	9.84	1.053	ok	1.054	0.994-1.114
1,3-Dichloropropane	13.01	9.84	1.322	ok	1.323	1.263-1.383
1,4-Dioxane	10.66	9.84	1.083	ok	1.089	1.029-1.149
Dichlorodifluoromethane	3.65	7.68	0.475	ok	0.477	0.417-0.537
Dichlorofluoromethane	4.41	7.68	0.574	ok	0.576	0.516-0.636
Dibromochloromethane	13.52	15.35	0.881	ok	0.880	0.820-0.940
Dibromomethane	10.34	9.84	1.051	ok	1.052	0.992-1.112
trans-1,2-Dichloroethylene	6.45	7.68	0.840	ok	0.842	0.782-0.902

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2490
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	Reporting this level
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	7.50	7.68	0.977	ok	0.978	0.918-1.038
cis-1,3-Dichloropropene	11.73	9.84	1.192	ok	1.194	1.134-1.254
m-Dichlorobenzene	19.82	15.35	1.291	ok	1.291	1.231-1.351
o-Dichlorobenzene	20.41	15.35	1.330	ok	1.330	1.270-1.390
p-Dichlorobenzene	19.93	15.35	1.298	ok	1.298	1.238-1.358
trans-1,3-Dichloropropene	12.41	9.84	1.261	ok	1.263	1.203-1.323
Di-Isopropyl ether	7.71	7.68	1.004	ok	1.008	0.948-1.068
2,3-Dimethylpentane	10.01	9.84	1.017	ok	1.017	0.957-1.077
2,4-Dimethylpentane	8.67	7.68	1.129	ok	1.130	1.070-1.190
Ethanol	4.46	7.68	0.581	ok	0.582	0.522-0.642
Ethylbenzene	15.96	15.35	1.040	ok	1.040	0.980-1.100
Ethyl Acetate	7.75	7.68	1.009	ok	1.013	0.953-1.073
Ethyl Acrylate	10.41	9.84	1.058	ok	1.062	1.002-1.122
4-Ethyltoluene	18.88	15.35	1.230	ok	1.230	1.170-1.290
Freon 113	5.82	7.68	0.758	ok	0.759	0.699-0.819
Freon 114	3.84	7.68	0.500	ok	0.501	0.441-0.561
Freon 123	4.73	7.68	0.616	ok	0.617	0.557-0.677
Freon 123A	4.78	7.68	0.622	ok	0.623	0.563-0.683
Freon 142B	3.75	7.68	0.488	ok	0.489	0.429-0.549
Freon 152A	3.54	7.68	0.461	ok	0.463	0.403-0.523
Heptane	11.03	9.84	1.121	ok	1.122	1.062-1.182
Hexachlorobutadiene	23.37	15.35	1.522	ok	1.522	1.462-1.582
Hexachloroethane	21.32	15.35	1.389	ok	1.389	1.329-1.449
Hexane	7.71	7.68	1.004	ok	1.005	0.945-1.065
2-Hexanone	13.36	15.35	0.870	ok	0.872	0.812-0.932
Iodomethane	5.42	7.68	0.706	ok	0.707	0.647-0.767
Isopropylbenzene	17.82	15.35	1.161	ok	1.161	1.101-1.221
Isopropyl Alcohol	5.03	7.68	0.655	ok	0.659	0.599-0.719
p-Isopropyltoluene	20.27	15.35	1.321	ok	1.320	1.260-1.380
Methylene chloride	5.60	7.68	0.729	ok	0.730	0.670-0.790
Methyl ethyl ketone	7.05	7.68	0.918	ok	0.924	0.864-0.984
Methyl Isobutyl Ketone	11.79	9.84	1.198	ok	1.202	1.142-1.262
Methyl Tert Butyl Ether	6.70	7.68	0.872	ok	0.879	0.819-0.939
Methylmethacrylate	10.94	9.84	1.112	ok	1.114	1.054-1.174
Naphthalene	22.89	15.35	1.491	ok	1.491	1.431-1.551
Nonane	17.32	15.35	1.128	ok	1.128	1.068-1.188
Octane	14.34	15.35	0.934	ok	0.934	0.874-0.994
Pentane	5.23	7.68	0.681	ok	0.682	0.622-0.742
n-Propylbenzene	18.64	15.35	1.214	ok	1.214	1.154-1.274

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2490
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	Reporting this level
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Propylene	3.59	7.68	0.467	ok	0.469	0.409-0.529
Styrene	16.75	15.35	1.091	ok	1.092	1.032-1.152
1,1,1-Trichloroethane	8.88	7.68	1.156	ok	1.157	1.097-1.217
1,1,1,2-Tetrachloroethane	15.40	15.35	1.003	ok	1.003	0.943-1.063
1,1,2,2-Tetrachloroethane	16.91	15.35	1.102	ok	1.102	1.042-1.162
1,1,2-Trichloroethane	12.62	9.84	1.283	ok	1.283	1.223-1.343
1,2,4-Trichlorobenzene	23.23	15.35	1.513	ok	1.513	1.453-1.573
1,2,3-Trichloropropane	17.10	15.35	1.114	ok	1.114	1.054-1.174
1,2,3-Trimethylbenzene	20.24	15.35	1.319	ok	1.318	1.258-1.378
1,2,4-Trimethylbenzene	19.64	15.35	1.279	ok	1.279	1.219-1.339
1,3,5-Trimethylbenzene	19.02	15.35	1.239	ok	1.239	1.179-1.299
2,2,4-Trimethylpentane	10.69	9.84	1.086	ok	1.087	1.027-1.147
Tertiary Butyl Alcohol	5.54	7.68	0.721	ok	0.729	0.669-0.789
Tetrachloroethylene	14.47	15.35	0.943	ok	0.943	0.883-1.003
Tetrahydrofuran	8.23	7.68	1.072	ok	1.079	1.019-1.139
Toluene	12.97	9.84	1.318	ok	1.319	1.259-1.379
Trichloroethylene	10.65	9.84	1.082	ok	1.083	1.023-1.143
Trichlorofluoromethane	4.94	7.68	0.643	ok	0.645	0.585-0.705
Vinyl chloride	3.93	7.68	0.512	ok	0.512	0.452-0.572
Vinyl Acetate	6.81	7.68	0.887	ok	0.889	0.829-0.949
m,p-Xylene	16.25	15.35	1.059	ok	1.058	0.998-1.118
o-Xylene	16.91	15.35	1.102	ok	1.101	1.041-1.161
TVHC As Equiv Pentane	5.23	15.35	0.341	ok	0.341	0.281-0.401

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.68	ok	7.67	7.34-8.00	341329	ok	339251	203551-474951
1,4-Difluorobenzene	9.84	ok	9.83	9.50-10.16	1382725	ok	1491175	894705-2087645
Chlorobenzene-D5	15.35	ok	15.35	15.02-15.68	1000073	ok	882807	529684-1235930

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2490
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acrolein	4.71	7.68	0.613	ok	0.615	0.555-0.675
Acrylonitrile	5.21	7.68	0.678	ok	0.679	0.619-0.739
Acetonitrile	4.62	7.68	0.602	ok	0.603	0.543-0.663
1,3-Butadiene	4.03	7.68	0.525	ok	0.526	0.466-0.586
Benzene	9.41	9.85	0.955	ok	0.956	0.896-1.016
Bromobenzene	17.92	15.35	1.167	ok	1.167	1.107-1.227
Bromodichloromethane	10.62	9.85	1.078	ok	1.079	1.019-1.139
Bromoform	16.30	15.35	1.062	ok	1.062	1.002-1.122
Bromomethane	4.23	7.68	0.551	ok	0.551	0.491-0.611
Bromoethene	4.62	7.68	0.602	ok	0.602	0.542-0.662
n-Butane	4.07	7.68	0.530	ok	0.530	0.470-0.590
Benzyl Chloride	19.82	15.35	1.291	ok	1.291	1.231-1.351
n-Butylbenzene	20.86	15.35	1.359	ok	1.359	1.299-1.419
sec-Butylbenzene	20.03	15.35	1.305	ok	1.304	1.244-1.364
tert-Butylbenzene	19.62	15.35	1.278	ok	1.278	1.218-1.338
Carbon disulfide	5.85	7.68	0.762	ok	0.763	0.703-0.823
Chlorobenzene	15.41	15.35	1.004	ok	1.004	0.944-1.064
Chlorodifluoromethane	3.58	7.68	0.466	ok	0.467	0.407-0.527
Chloroethane	4.35	7.68	0.566	ok	0.568	0.508-0.628
Chlorotrifluoroethene	3.61	7.68	0.470	ok	0.471	0.411-0.531
Chloroform	7.82	7.68	1.018	ok	1.018	0.958-1.078
Chloromethane	3.77	7.68	0.491	ok	0.492	0.432-0.552
3-Chloropropene	5.70	7.68	0.742	ok	0.743	0.683-0.803
2-Chlorotoluene	18.55	15.35	1.208	ok	1.209	1.149-1.269
Carbon tetrachloride	9.57	7.68	1.246	ok	1.248	1.188-1.308
Cyclohexane	9.71	9.85	0.986	ok	0.986	0.926-1.046
1,1-Dichloroethane	6.65	7.68	0.866	ok	0.867	0.807-0.927
1,1-Dichloroethylene	5.49	7.68	0.715	ok	0.715	0.655-0.775
1,2-Dibromoethane (EDB)	13.84	15.35	0.902	ok	0.901	0.841-0.961
1,2-Dichloroethane	8.61	7.68	1.121	ok	1.123	1.063-1.183
1,2-Dichloropropane	10.37	9.85	1.053	ok	1.054	0.994-1.114
1,3-Dichloropropane	13.02	9.85	1.322	ok	1.323	1.263-1.383
1,4-Dioxane	10.67	9.85	1.083	ok	1.089	1.029-1.149
Dichlorodifluoromethane	3.66	7.68	0.477	ok	0.477	0.417-0.537
Dichlorofluoromethane	4.42	7.68	0.576	ok	0.576	0.516-0.636
Dibromochloromethane	13.52	15.35	0.881	ok	0.880	0.820-0.940
Dibromomethane	10.34	9.85	1.050	ok	1.052	0.992-1.112
trans-1,2-Dichloroethylene	6.46	7.68	0.841	ok	0.842	0.782-0.902
cis-1,2-Dichloroethylene	7.50	7.68	0.977	ok	0.978	0.918-1.038

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2490
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,3-Dichloropropene	11.74	9.85	1.192	ok	1.194	1.134-1.254
m-Dichlorobenzene	19.83	15.35	1.292	ok	1.291	1.231-1.351
o-Dichlorobenzene	20.41	15.35	1.330	ok	1.330	1.270-1.390
p-Dichlorobenzene	19.94	15.35	1.299	ok	1.298	1.238-1.358
trans-1,3-Dichloropropene	12.42	9.85	1.261	ok	1.263	1.203-1.323
Di-Isopropyl ether	7.72	7.68	1.005	ok	1.008	0.948-1.068
2,3-Dimethylpentane	10.01	9.85	1.016	ok	1.017	0.957-1.077
2,4-Dimethylpentane	8.67	7.68	1.129	ok	1.130	1.070-1.190
Ethanol	4.46	7.68	0.581	ok	0.582	0.522-0.642
Ethylbenzene	15.96	15.35	1.040	ok	1.040	0.980-1.100
Ethyl Acetate	7.75	7.68	1.009	ok	1.013	0.953-1.073
Ethyl Acrylate	10.42	9.85	1.058	ok	1.062	1.002-1.122
4-Ethyltoluene	18.89	15.35	1.231	ok	1.230	1.170-1.290
Freon 113	5.82	7.68	0.758	ok	0.759	0.699-0.819
Freon 114	3.84	7.68	0.500	ok	0.501	0.441-0.561
Freon 123	4.74	7.68	0.617	ok	0.617	0.557-0.677
Freon 123A	4.78	7.68	0.622	ok	0.623	0.563-0.683
Freon 142B	3.75	7.68	0.488	ok	0.489	0.429-0.549
Freon 152A	3.55	7.68	0.462	ok	0.463	0.403-0.523
Heptane	11.04	9.85	1.121	ok	1.122	1.062-1.182
Hexachlorobutadiene	23.37	15.35	1.522	ok	1.522	1.462-1.582
Hexachloroethane	21.32	15.35	1.389	ok	1.389	1.329-1.449
Hexane	7.71	7.68	1.004	ok	1.005	0.945-1.065
2-Hexanone	13.36	15.35	0.870	ok	0.872	0.812-0.932
Iodomethane	5.42	7.68	0.706	ok	0.707	0.647-0.767
Isopropylbenzene	17.82	15.35	1.161	ok	1.161	1.101-1.221
Isopropyl Alcohol	5.03	7.68	0.655	ok	0.659	0.599-0.719
p-Isopropyltoluene	20.27	15.35	1.321	ok	1.320	1.260-1.380
Methylene chloride	5.60	7.68	0.729	ok	0.730	0.670-0.790
Methyl ethyl ketone	7.05	7.68	0.918	ok	0.924	0.864-0.984
Methyl Isobutyl Ketone	11.79	9.85	1.197	ok	1.202	1.142-1.262
Methyl Tert Butyl Ether	6.71	7.68	0.874	ok	0.879	0.819-0.939
Methylmethacrylate	10.94	9.85	1.111	ok	1.114	1.054-1.174
Nonane	17.32	15.35	1.128	ok	1.128	1.068-1.188
Octane	14.34	15.35	0.934	ok	0.934	0.874-0.994
Pentane	5.23	7.68	0.681	ok	0.682	0.622-0.742
n-Propylbenzene	18.64	15.35	1.214	ok	1.214	1.154-1.274
Propylene	3.60	7.68	0.469	ok	0.469	0.409-0.529
Styrene	16.76	15.35	1.092	ok	1.092	1.032-1.152

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2490
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
1,1,1-Trichloroethane	8.88	7.68	1.156	ok	1.157	1.097-1.217
1,1,1,2-Tetrachloroethane	15.40	15.35	1.003	ok	1.003	0.943-1.063
1,1,2,2-Tetrachloroethane	16.91	15.35	1.102	ok	1.102	1.042-1.162
1,1,2-Trichloroethane	12.62	9.85	1.281	ok	1.283	1.223-1.343
1,2,4-Trichlorobenzene	23.23	15.35	1.513	ok	1.513	1.453-1.573
1,2,3-Trichloropropane	17.11	15.35	1.115	ok	1.114	1.054-1.174
1,2,3-Trimethylbenzene	20.25	15.35	1.319	ok	1.318	1.258-1.378
1,2,4-Trimethylbenzene	19.64	15.35	1.279	ok	1.279	1.219-1.339
1,3,5-Trimethylbenzene	19.02	15.35	1.239	ok	1.239	1.179-1.299
2,2,4-Trimethylpentane	10.70	9.85	1.086	ok	1.087	1.027-1.147
Tertiary Butyl Alcohol	5.55	7.68	0.723	ok	0.729	0.669-0.789
Tetrachloroethylene	14.47	15.35	0.943	ok	0.943	0.883-1.003
Tetrahydrofuran	8.23	7.68	1.072	ok	1.079	1.019-1.139
Toluene	12.97	9.85	1.317	ok	1.319	1.259-1.379
Trichloroethylene	10.66	9.85	1.082	ok	1.083	1.023-1.143
Trichlorofluoromethane	4.95	7.68	0.645	ok	0.645	0.585-0.705
Vinyl chloride	3.93	7.68	0.512	ok	0.512	0.452-0.572
Vinyl Acetate	6.81	7.68	0.887	ok	0.889	0.829-0.949
m,p-Xylene	16.25	15.35	1.059	ok	1.058	0.998-1.118
o-Xylene	16.91	15.35	1.102	ok	1.101	1.041-1.161
TVHC As Equiv Pentane	5.23	15.35	0.341	ok	0.341	0.281-0.401

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.68	ok	7.67	7.34-8.00	363096	ok	339251	203551-474951
1,4-Difluorobenzene	9.85	ok	9.83	9.50-10.16	1435494	ok	1491175	894705-2087645
Chlorobenzene-D5	15.35	ok	15.35	15.02-15.68	1087902	ok	882807	529684-1235930

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2490
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	Reporting this level
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.14	3.27	0.654	ok	0.653	0.593-0.713
Acrylonitrile	2.28	3.27	0.697	ok	0.696	0.636-0.756
Acetonitrile	2.05	3.27	0.627	ok	0.627	0.567-0.687
1,3-Butadiene	1.83	3.27	0.560	ok	0.560	0.500-0.620
Benzene	4.22	3.27	1.291	ok	1.293	1.233-1.353
Bromobenzene	13.81	10.12	1.365	ok	1.366	1.306-1.426
Bromodichloromethane	5.06	4.55	1.112	ok	1.114	1.054-1.174
Bromoform	11.32	10.12	1.119	ok	1.118	1.058-1.178
Bromomethane	1.91	3.27	0.584	ok	0.584	0.524-0.644
Bromoethene	2.06	3.27	0.630	ok	0.630	0.570-0.690
n-Butane	1.85	3.27	0.566	ok	0.566	0.506-0.626
Benzyl Chloride	16.66	10.12	1.646	ok	1.647	1.587-1.707
n-Butylbenzene	17.42	10.12	1.721	ok	1.722	1.662-1.782
sec-Butylbenzene	16.87	10.12	1.667	ok	1.667	1.607-1.727
tert-Butylbenzene	16.57	10.12	1.637	ok	1.637	1.577-1.697
Carbon disulfide	2.53	3.27	0.774	ok	0.771	0.711-0.831
Chlorobenzene	10.19	10.12	1.007	ok	1.008	0.948-1.068
Chlorodifluoromethane	1.66	3.27	0.508	ok	0.508	0.448-0.568
Chloroethane	1.96	3.27	0.599	ok	0.599	0.539-0.659
Chlorotrifluoroethene	1.68	3.27	0.514	ok	0.511	0.451-0.571
Chloroform	3.34	3.27	1.021	ok	1.022	0.962-1.082
Chloromethane	1.73	3.27	0.529	ok	0.529	0.469-0.589
3-Chloropropene	2.47	3.27	0.755	ok	0.755	0.695-0.815
2-Chlorotoluene	14.96	10.12	1.478	ok	1.477	1.417-1.537
Carbon tetrachloride	4.33	3.27	1.324	ok	1.326	1.266-1.386
Cyclohexane	4.43	4.55	0.974	ok	0.974	0.914-1.034
1,1-Dichloroethane	2.83	3.27	0.865	ok	0.865	0.805-0.925
1,1-Dichloroethylene	2.39	3.27	0.731	ok	0.731	0.671-0.791
1,2-Dibromoethane (EDB)	8.14	4.55	1.789	ok	1.789	1.729-1.849
1,2-Dichloroethane	3.75	3.27	1.147	ok	1.147	1.087-1.207
1,2-Dichloropropane	4.88	4.55	1.073	ok	1.074	1.014-1.134
1,3-Dichloropropane	7.32	4.55	1.609	ok	1.609	1.549-1.669
Dichlorodifluoromethane	1.69	3.27	0.517	ok	0.517	0.457-0.577
Dichlorofluoromethane	1.98	3.27	0.606	ok	0.606	0.546-0.666
Dibromochloromethane	7.80	4.55	1.714	ok	1.713	1.653-1.773
Dibromomethane	4.85	4.55	1.066	ok	1.066	1.006-1.126
trans-1,2-Dichloroethylene	2.75	3.27	0.841	ok	0.841	0.781-0.901
cis-1,2-Dichloroethylene	3.19	3.27	0.976	ok	0.976	0.916-1.036
cis-1,3-Dichloropropene	6.06	4.55	1.332	ok	1.332	1.272-1.392

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2490
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	Reporting this level
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
m-Dichlorobenzene	16.64	10.12	1.644	ok	1.644	1.584-1.704
o-Dichlorobenzene	17.04	10.12	1.684	ok	1.684	1.624-1.744
p-Dichlorobenzene	16.73	10.12	1.653	ok	1.653	1.593-1.713
trans-1,3-Dichloropropene	6.73	4.55	1.479	ok	1.481	1.421-1.541
Di-Isopropyl ether	3.34	3.27	1.021	ok	1.020	0.960-1.080
2,3-Dimethylpentane	4.69	4.55	1.031	ok	1.030	0.970-1.090
2,4-Dimethylpentane	3.84	3.27	1.174	ok	1.173	1.113-1.233
Ethanol	2.00	3.27	0.612	ok	0.610	0.550-0.670
Ethylbenzene	11.08	10.12	1.095	ok	1.095	1.035-1.155
Ethyl Acetate	3.34	3.27	1.021	ok	1.020	0.960-1.080
Ethyl Acrylate	5.03	4.55	1.105	ok	1.103	1.043-1.163
4-Ethyltoluene	15.72	10.12	1.553	ok	1.555	1.495-1.615
Freon 113	2.52	3.27	0.771	ok	0.771	0.711-0.831
Freon 114	1.76	3.27	0.538	ok	0.538	0.478-0.598
Freon 115	1.62	3.27	0.495	ok	0.494	0.434-0.554
Freon 123	2.11	3.27	0.645	ok	0.643	0.583-0.703
Freon 123A	2.13	3.27	0.651	ok	0.649	0.589-0.709
Freon 142B	1.72	3.27	0.526	ok	0.527	0.467-0.587
Freon 152A	1.65	3.27	0.505	ok	0.504	0.444-0.564
Heptane	5.54	4.55	1.218	ok	1.216	1.156-1.276
Hexachlorobutadiene	18.66	10.12	1.844	ok	1.843	1.783-1.903
Hexachloroethane	17.60	10.12	1.739	ok	1.739	1.679-1.799
Hexane	3.32	3.27	1.015	ok	1.015	0.955-1.075
2-Hexanone	7.90	4.55	1.736	ok	1.729	1.669-1.789
Iodomethane	2.37	3.27	0.725	ok	0.722	0.662-0.782
Isopropylbenzene	13.96	10.12	1.379	ok	1.379	1.319-1.439
Isopropyl Alcohol	2.23	3.27	0.682	ok	0.679	0.619-0.739
p-Isopropyltoluene	17.06	10.12	1.686	ok	1.686	1.626-1.746
Methylene chloride	2.42	3.27	0.740	ok	0.742	0.682-0.802
Methyl ethyl ketone	3.01	3.27	0.920	ok	0.919	0.859-0.979
Methyl Isobutyl Ketone	6.21	4.55	1.365	ok	1.360	1.300-1.420
Methyl Tert Butyl Ether	2.88	3.27	0.881	ok	0.877	0.817-0.937
Methylmethacrylate	5.45	4.55	1.198	ok	1.195	1.135-1.255
Naphthalene	18.40	10.12	1.818	ok	1.818	1.758-1.878
Nonane	13.56	10.12	1.340	ok	1.340	1.280-1.400
Octane	9.14	4.55	2.009	ok	2.009	1.949-2.069
Pentane	2.31	3.27	0.706	ok	0.704	0.644-0.764
n-Propylbenzene	15.30	10.12	1.512	ok	1.512	1.452-1.572
Propylene	1.67	3.27	0.511	ok	0.511	0.451-0.571

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2490
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	Reporting this level
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Styrene	12.23	10.12	1.208	ok	1.208	1.148-1.268
1,1,1-Trichloroethane	3.91	3.27	1.196	ok	1.196	1.136-1.256
1,1,1,2-Tetrachloroethane	10.20	10.12	1.008	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	12.46	10.12	1.231	ok	1.231	1.171-1.291
1,1,2-Trichloroethane	6.90	4.55	1.516	ok	1.515	1.455-1.575
1,2,4-Trichlorobenzene	18.35	10.12	1.813	ok	1.813	1.753-1.873
1,2,3-Trichloropropane	12.74	10.12	1.259	ok	1.259	1.199-1.319
1,2,3-Trimethylbenzene	16.99	10.12	1.679	ok	1.679	1.619-1.739
1,2,4-Trimethylbenzene	16.58	10.12	1.638	ok	1.638	1.578-1.698
1,3,5-Trimethylbenzene	15.99	10.12	1.580	ok	1.581	1.521-1.641
2,2,4-Trimethylpentane	5.22	4.55	1.147	ok	1.147	1.087-1.207
Tertiary Butyl Alcohol	2.45	3.27	0.749	ok	0.743	0.683-0.803
Tetrachloroethylene	8.99	4.55	1.976	ok	1.977	1.917-2.037
Tetrahydrofuran	3.60	3.27	1.101	ok	1.091	1.031-1.151
Toluene	7.26	4.55	1.596	ok	1.596	1.536-1.656
Trichloroethylene	5.12	4.55	1.125	ok	1.126	1.066-1.186
Trichlorofluoromethane	2.19	3.27	0.670	ok	0.669	0.609-0.729
Vinyl chloride	1.79	3.27	0.547	ok	0.547	0.487-0.607
Vinyl Acetate	2.91	3.27	0.890	ok	0.888	0.828-0.948
m,p-Xylene	11.50	10.12	1.136	ok	1.137	1.077-1.197
o-Xylene	12.43	10.12	1.228	ok	1.229	1.169-1.289
TVHC As Equiv Pentane	2.31	10.12	0.228	ok	0.227	0.167-0.287

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.27	ok	3.27	2.94-3.60	86358	ok	80511	48307-112715
1,4-Difluorobenzene	4.55	ok	4.55	4.22-4.88	435174	ok	406483	243890-569076
Chlorobenzene-D5	10.12	ok	10.12	9.79-10.45	379594	ok	359712	215827-503597

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2490
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	Reporting this level
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.14	3.27	0.654	ok	0.653	0.593-0.713
Acrolein	2.10	3.27	0.642	ok	0.640	0.580-0.700
Acrylonitrile	2.28	3.27	0.697	ok	0.696	0.636-0.756
Acetonitrile	2.05	3.27	0.627	ok	0.627	0.567-0.687
1,3-Butadiene	1.83	3.27	0.560	ok	0.560	0.500-0.620
Benzene	4.23	3.27	1.294	ok	1.293	1.233-1.353
Bromobenzene	13.81	10.12	1.365	ok	1.366	1.306-1.426
Bromodichloromethane	5.07	4.55	1.114	ok	1.114	1.054-1.174
Bromoform	11.31	10.12	1.118	ok	1.118	1.058-1.178
Bromomethane	1.91	3.27	0.584	ok	0.584	0.524-0.644
Bromoethene	2.06	3.27	0.630	ok	0.630	0.570-0.690
n-Butane	1.85	3.27	0.566	ok	0.566	0.506-0.626
Benzyl Chloride	16.67	10.12	1.647	ok	1.647	1.587-1.707
n-Butylbenzene	17.43	10.12	1.722	ok	1.722	1.662-1.782
sec-Butylbenzene	16.88	10.12	1.668	ok	1.667	1.607-1.727
tert-Butylbenzene	16.57	10.12	1.637	ok	1.637	1.577-1.697
Carbon disulfide	2.52	3.27	0.771	ok	0.771	0.711-0.831
Chlorobenzene	10.20	10.12	1.008	ok	1.008	0.948-1.068
Chlorodifluoromethane	1.66	3.27	0.508	ok	0.508	0.448-0.568
Chloroethane	1.96	3.27	0.599	ok	0.599	0.539-0.659
Chlorotrifluoroethene	1.67	3.27	0.511	ok	0.511	0.451-0.571
Chloroform	3.34	3.27	1.021	ok	1.022	0.962-1.082
Chloromethane	1.74	3.27	0.532	ok	0.529	0.469-0.589
3-Chloropropene	2.47	3.27	0.755	ok	0.755	0.695-0.815
2-Chlorotoluene	14.95	10.12	1.477	ok	1.477	1.417-1.537
Carbon tetrachloride	4.34	3.27	1.327	ok	1.326	1.266-1.386
Cyclohexane	4.43	4.55	0.974	ok	0.974	0.914-1.034
1,1-Dichloroethane	2.83	3.27	0.865	ok	0.865	0.805-0.925
1,1-Dichloroethylene	2.39	3.27	0.731	ok	0.731	0.671-0.791
1,2-Dibromoethane (EDB)	8.15	4.55	1.791	ok	1.789	1.729-1.849
1,2-Dichloroethane	3.75	3.27	1.147	ok	1.147	1.087-1.207
1,2-Dichloropropane	4.89	4.55	1.075	ok	1.074	1.014-1.134
1,3-Dichloropropane	7.32	4.55	1.609	ok	1.609	1.549-1.669
1,4-Dioxane	5.24	4.55	1.152	ok	1.137	1.077-1.197
Dichlorodifluoromethane	1.69	3.27	0.517	ok	0.517	0.457-0.577
Dichlorofluoromethane	1.98	3.27	0.606	ok	0.606	0.546-0.666
Dibromochloromethane	7.79	4.55	1.712	ok	1.713	1.653-1.773
Dibromomethane	4.85	4.55	1.066	ok	1.066	1.006-1.126
trans-1,2-Dichloroethylene	2.75	3.27	0.841	ok	0.841	0.781-0.901

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2490
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	Reporting this level
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.19	3.27	0.976	ok	0.976	0.916-1.036
cis-1,3-Dichloropropene	6.06	4.55	1.332	ok	1.332	1.272-1.392
m-Dichlorobenzene	16.64	10.12	1.644	ok	1.644	1.584-1.704
o-Dichlorobenzene	17.04	10.12	1.684	ok	1.684	1.624-1.744
p-Dichlorobenzene	16.73	10.12	1.653	ok	1.653	1.593-1.713
trans-1,3-Dichloropropene	6.74	4.55	1.481	ok	1.481	1.421-1.541
Di-Isopropyl ether	3.34	3.27	1.021	ok	1.020	0.960-1.080
2,3-Dimethylpentane	4.68	4.55	1.029	ok	1.030	0.970-1.090
2,4-Dimethylpentane	3.83	3.27	1.171	ok	1.173	1.113-1.233
Ethanol	2.00	3.27	0.612	ok	0.610	0.550-0.670
Ethylbenzene	11.08	10.12	1.095	ok	1.095	1.035-1.155
Ethyl Acetate	3.35	3.27	1.024	ok	1.020	0.960-1.080
Ethyl Acrylate	5.03	4.55	1.105	ok	1.103	1.043-1.163
4-Ethyltoluene	15.74	10.12	1.555	ok	1.555	1.495-1.615
Freon 113	2.52	3.27	0.771	ok	0.771	0.711-0.831
Freon 114	1.76	3.27	0.538	ok	0.538	0.478-0.598
Freon 115	1.62	3.27	0.495	ok	0.494	0.434-0.554
Freon 123	2.11	3.27	0.645	ok	0.643	0.583-0.703
Freon 123A	2.12	3.27	0.648	ok	0.649	0.589-0.709
Freon 142B	1.73	3.27	0.529	ok	0.527	0.467-0.587
Freon 152A	1.65	3.27	0.505	ok	0.504	0.444-0.564
Heptane	5.53	4.55	1.215	ok	1.216	1.156-1.276
Hexachlorobutadiene	18.66	10.12	1.844	ok	1.843	1.783-1.903
Hexachloroethane	17.60	10.12	1.739	ok	1.739	1.679-1.799
Hexane	3.32	3.27	1.015	ok	1.015	0.955-1.075
2-Hexanone	7.89	4.55	1.734	ok	1.729	1.669-1.789
Iodomethane	2.37	3.27	0.725	ok	0.722	0.662-0.782
Isopropylbenzene	13.96	10.12	1.379	ok	1.379	1.319-1.439
Isopropyl Alcohol	2.23	3.27	0.682	ok	0.679	0.619-0.739
p-Isopropyltoluene	17.06	10.12	1.686	ok	1.686	1.626-1.746
Methylene chloride	2.43	3.27	0.743	ok	0.742	0.682-0.802
Methyl ethyl ketone	3.01	3.27	0.920	ok	0.919	0.859-0.979
Methyl Isobutyl Ketone	6.21	4.55	1.365	ok	1.360	1.300-1.420
Methyl Tert Butyl Ether	2.87	3.27	0.878	ok	0.877	0.817-0.937
Methylmethacrylate	5.44	4.55	1.196	ok	1.195	1.135-1.255
Naphthalene	18.40	10.12	1.818	ok	1.818	1.758-1.878
Nonane	13.57	10.12	1.341	ok	1.340	1.280-1.400
Octane	9.14	4.55	2.009	ok	2.009	1.949-2.069
Pentane	2.30	3.27	0.703	ok	0.704	0.644-0.764

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2490
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	Reporting this level
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
n-Propylbenzene	15.29	10.12	1.511	ok	1.512	1.452-1.572
Propylene	1.67	3.27	0.511	ok	0.511	0.451-0.571
Styrene	12.23	10.12	1.208	ok	1.208	1.148-1.268
1,1,1-Trichloroethane	3.91	3.27	1.196	ok	1.196	1.136-1.256
1,1,1,2-Tetrachloroethane	10.21	10.12	1.009	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	12.45	10.12	1.230	ok	1.231	1.171-1.291
1,1,2-Trichloroethane	6.89	4.55	1.514	ok	1.515	1.455-1.575
1,2,4-Trichlorobenzene	18.35	10.12	1.813	ok	1.813	1.753-1.873
1,2,3-Trichloropropane	12.73	10.12	1.258	ok	1.259	1.199-1.319
1,2,3-Trimethylbenzene	16.99	10.12	1.679	ok	1.679	1.619-1.739
1,2,4-Trimethylbenzene	16.58	10.12	1.638	ok	1.638	1.578-1.698
1,3,5-Trimethylbenzene	16.00	10.12	1.581	ok	1.581	1.521-1.641
2,2,4-Trimethylpentane	5.21	4.55	1.145	ok	1.147	1.087-1.207
Tertiary Butyl Alcohol	2.45	3.27	0.749	ok	0.743	0.683-0.803
Tetrachloroethylene	8.99	4.55	1.976	ok	1.977	1.917-2.037
Tetrahydrofuran	3.59	3.27	1.098	ok	1.091	1.031-1.151
Toluene	7.26	4.55	1.596	ok	1.596	1.536-1.656
Trichloroethylene	5.12	4.55	1.125	ok	1.126	1.066-1.186
Trichlorofluoromethane	2.19	3.27	0.670	ok	0.669	0.609-0.729
Vinyl chloride	1.79	3.27	0.547	ok	0.547	0.487-0.607
Vinyl Acetate	2.90	3.27	0.887	ok	0.888	0.828-0.948
m,p-Xylene	11.50	10.12	1.136	ok	1.137	1.077-1.197
o-Xylene	12.44	10.12	1.229	ok	1.229	1.169-1.289
TVHC As Equiv Pentane	2.30	10.12	0.227	ok	0.227	0.167-0.287

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.27	ok	3.27	2.94-3.60	83993	ok	80511	48307-112715
1,4-Difluorobenzene	4.55	ok	4.55	4.22-4.88	426374	ok	406483	243890-569076
Chlorobenzene-D5	10.12	ok	10.12	9.79-10.45	372534	ok	359712	215827-503597

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2490
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	Reporting this level
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.14	3.27	0.654	ok	0.653	0.593-0.713
Acrolein	2.09	3.27	0.639	ok	0.640	0.580-0.700
Acrylonitrile	2.28	3.27	0.697	ok	0.696	0.636-0.756
Acetonitrile	2.06	3.27	0.630	ok	0.627	0.567-0.687
1,3-Butadiene	1.83	3.27	0.560	ok	0.560	0.500-0.620
Benzene	4.22	3.27	1.291	ok	1.293	1.233-1.353
Bromobenzene	13.82	10.12	1.366	ok	1.366	1.306-1.426
Bromodichloromethane	5.06	4.55	1.112	ok	1.114	1.054-1.174
Bromoform	11.32	10.12	1.119	ok	1.118	1.058-1.178
Bromomethane	1.91	3.27	0.584	ok	0.584	0.524-0.644
Bromoethene	2.06	3.27	0.630	ok	0.630	0.570-0.690
n-Butane	1.85	3.27	0.566	ok	0.566	0.506-0.626
Benzyl Chloride	16.67	10.12	1.647	ok	1.647	1.587-1.707
n-Butylbenzene	17.43	10.12	1.722	ok	1.722	1.662-1.782
sec-Butylbenzene	16.87	10.12	1.667	ok	1.667	1.607-1.727
tert-Butylbenzene	16.57	10.12	1.637	ok	1.637	1.577-1.697
Carbon disulfide	2.52	3.27	0.771	ok	0.771	0.711-0.831
Chlorobenzene	10.20	10.12	1.008	ok	1.008	0.948-1.068
Chlorodifluoromethane	1.66	3.27	0.508	ok	0.508	0.448-0.568
Chloroethane	1.96	3.27	0.599	ok	0.599	0.539-0.659
Chlorotrifluoroethene	1.67	3.27	0.511	ok	0.511	0.451-0.571
Chloroform	3.34	3.27	1.021	ok	1.022	0.962-1.082
Chloromethane	1.73	3.27	0.529	ok	0.529	0.469-0.589
3-Chloropropene	2.47	3.27	0.755	ok	0.755	0.695-0.815
2-Chlorotoluene	14.95	10.12	1.477	ok	1.477	1.417-1.537
Carbon tetrachloride	4.34	3.27	1.327	ok	1.326	1.266-1.386
Cyclohexane	4.43	4.55	0.974	ok	0.974	0.914-1.034
1,1-Dichloroethane	2.83	3.27	0.865	ok	0.865	0.805-0.925
1,1-Dichloroethylene	2.39	3.27	0.731	ok	0.731	0.671-0.791
1,2-Dibromoethane (EDB)	8.14	4.55	1.789	ok	1.789	1.729-1.849
1,2-Dichloroethane	3.75	3.27	1.147	ok	1.147	1.087-1.207
1,2-Dichloropropane	4.89	4.55	1.075	ok	1.074	1.014-1.134
1,3-Dichloropropane	7.32	4.55	1.609	ok	1.609	1.549-1.669
1,4-Dioxane	5.22	4.55	1.147	ok	1.137	1.077-1.197
Dichlorodifluoromethane	1.69	3.27	0.517	ok	0.517	0.457-0.577
Dichlorofluoromethane	1.98	3.27	0.606	ok	0.606	0.546-0.666
Dibromochloromethane	7.79	4.55	1.712	ok	1.713	1.653-1.773
Dibromomethane	4.85	4.55	1.066	ok	1.066	1.006-1.126
trans-1,2-Dichloroethylene	2.75	3.27	0.841	ok	0.841	0.781-0.901

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2490
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	Reporting this level
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.19	3.27	0.976	ok	0.976	0.916-1.036
cis-1,3-Dichloropropene	6.06	4.55	1.332	ok	1.332	1.272-1.392
m-Dichlorobenzene	16.64	10.12	1.644	ok	1.644	1.584-1.704
o-Dichlorobenzene	17.04	10.12	1.684	ok	1.684	1.624-1.744
p-Dichlorobenzene	16.73	10.12	1.653	ok	1.653	1.593-1.713
trans-1,3-Dichloropropene	6.74	4.55	1.481	ok	1.481	1.421-1.541
Di-Isopropyl ether	3.34	3.27	1.021	ok	1.020	0.960-1.080
2,3-Dimethylpentane	4.68	4.55	1.029	ok	1.030	0.970-1.090
2,4-Dimethylpentane	3.84	3.27	1.174	ok	1.173	1.113-1.233
Ethanol	2.00	3.27	0.612	ok	0.610	0.550-0.670
Ethylbenzene	11.08	10.12	1.095	ok	1.095	1.035-1.155
Ethyl Acetate	3.34	3.27	1.021	ok	1.020	0.960-1.080
Ethyl Acrylate	5.02	4.55	1.103	ok	1.103	1.043-1.163
4-Ethyltoluene	15.75	10.12	1.556	ok	1.555	1.495-1.615
Freon 113	2.52	3.27	0.771	ok	0.771	0.711-0.831
Freon 114	1.76	3.27	0.538	ok	0.538	0.478-0.598
Freon 115	1.62	3.27	0.495	ok	0.494	0.434-0.554
Freon 123	2.10	3.27	0.642	ok	0.643	0.583-0.703
Freon 123A	2.12	3.27	0.648	ok	0.649	0.589-0.709
Freon 142B	1.72	3.27	0.526	ok	0.527	0.467-0.587
Freon 152A	1.65	3.27	0.505	ok	0.504	0.444-0.564
Heptane	5.53	4.55	1.215	ok	1.216	1.156-1.276
Hexachlorobutadiene	18.66	10.12	1.844	ok	1.843	1.783-1.903
Hexachloroethane	17.60	10.12	1.739	ok	1.739	1.679-1.799
Hexane	3.32	3.27	1.015	ok	1.015	0.955-1.075
2-Hexanone	7.89	4.55	1.734	ok	1.729	1.669-1.789
Iodomethane	2.36	3.27	0.722	ok	0.722	0.662-0.782
Isopropylbenzene	13.96	10.12	1.379	ok	1.379	1.319-1.439
Isopropyl Alcohol	2.23	3.27	0.682	ok	0.679	0.619-0.739
p-Isopropyltoluene	17.07	10.12	1.687	ok	1.686	1.626-1.746
Methylene chloride	2.42	3.27	0.740	ok	0.742	0.682-0.802
Methyl ethyl ketone	3.01	3.27	0.920	ok	0.919	0.859-0.979
Methyl Isobutyl Ketone	6.22	4.55	1.367	ok	1.360	1.300-1.420
Methyl Tert Butyl Ether	2.87	3.27	0.878	ok	0.877	0.817-0.937
Methylmethacrylate	5.44	4.55	1.196	ok	1.195	1.135-1.255
Naphthalene	18.40	10.12	1.818	ok	1.818	1.758-1.878
Nonane	13.56	10.12	1.340	ok	1.340	1.280-1.400
Octane	9.14	4.55	2.009	ok	2.009	1.949-2.069
Pentane	2.30	3.27	0.703	ok	0.704	0.644-0.764

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2490
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	Reporting this level
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
n-Propylbenzene	15.31	10.12	1.513	ok	1.512	1.452-1.572
Propylene	1.67	3.27	0.511	ok	0.511	0.451-0.571
Styrene	12.23	10.12	1.208	ok	1.208	1.148-1.268
1,1,1-Trichloroethane	3.91	3.27	1.196	ok	1.196	1.136-1.256
1,1,1,2-Tetrachloroethane	10.21	10.12	1.009	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	12.45	10.12	1.230	ok	1.231	1.171-1.291
1,1,2-Trichloroethane	6.89	4.55	1.514	ok	1.515	1.455-1.575
1,2,4-Trichlorobenzene	18.35	10.12	1.813	ok	1.813	1.753-1.873
1,2,3-Trichloropropane	12.74	10.12	1.259	ok	1.259	1.199-1.319
1,2,3-Trimethylbenzene	16.99	10.12	1.679	ok	1.679	1.619-1.739
1,2,4-Trimethylbenzene	16.58	10.12	1.638	ok	1.638	1.578-1.698
1,3,5-Trimethylbenzene	15.99	10.12	1.580	ok	1.581	1.521-1.641
2,2,4-Trimethylpentane	5.22	4.55	1.147	ok	1.147	1.087-1.207
Tertiary Butyl Alcohol	2.45	3.27	0.749	ok	0.743	0.683-0.803
Tetrachloroethylene	8.99	4.55	1.976	ok	1.977	1.917-2.037
Tetrahydrofuran	3.58	3.27	1.095	ok	1.091	1.031-1.151
Toluene	7.26	4.55	1.596	ok	1.596	1.536-1.656
Trichloroethylene	5.12	4.55	1.125	ok	1.126	1.066-1.186
Trichlorofluoromethane	2.19	3.27	0.670	ok	0.669	0.609-0.729
Vinyl chloride	1.79	3.27	0.547	ok	0.547	0.487-0.607
Vinyl Acetate	2.91	3.27	0.890	ok	0.888	0.828-0.948
m,p-Xylene	11.50	10.12	1.136	ok	1.137	1.077-1.197
o-Xylene	12.45	10.12	1.230	ok	1.229	1.169-1.289
TVHC As Equiv Pentane	2.30	10.12	0.227	ok	0.227	0.167-0.287

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.27	ok	3.27	2.94-3.60	81591	ok	80511	48307-112715
1,4-Difluorobenzene	4.55	ok	4.55	4.22-4.88	417480	ok	406483	243890-569076
Chlorobenzene-D5	10.12	ok	10.12	9.79-10.45	367012	ok	359712	215827-503597

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2490
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	Reporting this level
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.14	3.27	0.654	ok	0.653	0.593-0.713
Acrolein	2.09	3.27	0.639	ok	0.640	0.580-0.700
Acrylonitrile	2.27	3.27	0.694	ok	0.696	0.636-0.756
Acetonitrile	2.05	3.27	0.627	ok	0.627	0.567-0.687
1,3-Butadiene	1.83	3.27	0.560	ok	0.560	0.500-0.620
Benzene	4.22	3.27	1.291	ok	1.293	1.233-1.353
Bromobenzene	13.82	10.12	1.366	ok	1.366	1.306-1.426
Bromodichloromethane	5.07	4.55	1.114	ok	1.114	1.054-1.174
Bromoform	11.32	10.12	1.119	ok	1.118	1.058-1.178
Bromomethane	1.91	3.27	0.584	ok	0.584	0.524-0.644
Bromoethene	2.06	3.27	0.630	ok	0.630	0.570-0.690
n-Butane	1.85	3.27	0.566	ok	0.566	0.506-0.626
Benzyl Chloride	16.67	10.12	1.647	ok	1.647	1.587-1.707
n-Butylbenzene	17.42	10.12	1.721	ok	1.722	1.662-1.782
sec-Butylbenzene	16.87	10.12	1.667	ok	1.667	1.607-1.727
tert-Butylbenzene	16.57	10.12	1.637	ok	1.637	1.577-1.697
Carbon disulfide	2.52	3.27	0.771	ok	0.771	0.711-0.831
Chlorobenzene	10.20	10.12	1.008	ok	1.008	0.948-1.068
Chlorodifluoromethane	1.66	3.27	0.508	ok	0.508	0.448-0.568
Chloroethane	1.96	3.27	0.599	ok	0.599	0.539-0.659
Chlorotrifluoroethene	1.67	3.27	0.511	ok	0.511	0.451-0.571
Chloroform	3.34	3.27	1.021	ok	1.022	0.962-1.082
Chloromethane	1.73	3.27	0.529	ok	0.529	0.469-0.589
3-Chloropropene	2.47	3.27	0.755	ok	0.755	0.695-0.815
2-Chlorotoluene	14.95	10.12	1.477	ok	1.477	1.417-1.537
Carbon tetrachloride	4.33	3.27	1.324	ok	1.326	1.266-1.386
Cyclohexane	4.43	4.55	0.974	ok	0.974	0.914-1.034
1,1-Dichloroethane	2.83	3.27	0.865	ok	0.865	0.805-0.925
1,1-Dichloroethylene	2.39	3.27	0.731	ok	0.731	0.671-0.791
1,2-Dibromoethane (EDB)	8.13	4.55	1.787	ok	1.789	1.729-1.849
1,2-Dichloroethane	3.75	3.27	1.147	ok	1.147	1.087-1.207
1,2-Dichloropropane	4.89	4.55	1.075	ok	1.074	1.014-1.134
1,3-Dichloropropane	7.32	4.55	1.609	ok	1.609	1.549-1.669
1,4-Dioxane	5.21	4.55	1.145	ok	1.137	1.077-1.197
Dichlorodifluoromethane	1.69	3.27	0.517	ok	0.517	0.457-0.577
Dichlorofluoromethane	1.98	3.27	0.606	ok	0.606	0.546-0.666
Dibromochloromethane	7.79	4.55	1.712	ok	1.713	1.653-1.773
Dibromomethane	4.85	4.55	1.066	ok	1.066	1.006-1.126
trans-1,2-Dichloroethylene	2.75	3.27	0.841	ok	0.841	0.781-0.901

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2490
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	Reporting this level
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.19	3.27	0.976	ok	0.976	0.916-1.036
cis-1,3-Dichloropropene	6.06	4.55	1.332	ok	1.332	1.272-1.392
m-Dichlorobenzene	16.64	10.12	1.644	ok	1.644	1.584-1.704
o-Dichlorobenzene	17.04	10.12	1.684	ok	1.684	1.624-1.744
p-Dichlorobenzene	16.73	10.12	1.653	ok	1.653	1.593-1.713
trans-1,3-Dichloropropene	6.74	4.55	1.481	ok	1.481	1.421-1.541
Di-Isopropyl ether	3.34	3.27	1.021	ok	1.020	0.960-1.080
2,3-Dimethylpentane	4.69	4.55	1.031	ok	1.030	0.970-1.090
2,4-Dimethylpentane	3.83	3.27	1.171	ok	1.173	1.113-1.233
Ethanol	1.99	3.27	0.609	ok	0.610	0.550-0.670
Ethylbenzene	11.08	10.12	1.095	ok	1.095	1.035-1.155
Ethyl Acetate	3.34	3.27	1.021	ok	1.020	0.960-1.080
Ethyl Acrylate	5.02	4.55	1.103	ok	1.103	1.043-1.163
4-Ethyltoluene	15.75	10.12	1.556	ok	1.555	1.495-1.615
Freon 113	2.52	3.27	0.771	ok	0.771	0.711-0.831
Freon 114	1.76	3.27	0.538	ok	0.538	0.478-0.598
Freon 115	1.61	3.27	0.492	ok	0.494	0.434-0.554
Freon 123	2.10	3.27	0.642	ok	0.643	0.583-0.703
Freon 123A	2.12	3.27	0.648	ok	0.649	0.589-0.709
Freon 142B	1.72	3.27	0.526	ok	0.527	0.467-0.587
Freon 152A	1.64	3.27	0.502	ok	0.504	0.444-0.564
Heptane	5.53	4.55	1.215	ok	1.216	1.156-1.276
Hexachlorobutadiene	18.66	10.12	1.844	ok	1.843	1.783-1.903
Hexachloroethane	17.60	10.12	1.739	ok	1.739	1.679-1.799
Hexane	3.32	3.27	1.015	ok	1.015	0.955-1.075
2-Hexanone	7.88	4.55	1.732	ok	1.729	1.669-1.789
Iodomethane	2.36	3.27	0.722	ok	0.722	0.662-0.782
Isopropylbenzene	13.95	10.12	1.378	ok	1.379	1.319-1.439
Isopropyl Alcohol	2.23	3.27	0.682	ok	0.679	0.619-0.739
p-Isopropyltoluene	17.06	10.12	1.686	ok	1.686	1.626-1.746
Methylene chloride	2.42	3.27	0.740	ok	0.742	0.682-0.802
Methyl ethyl ketone	3.01	3.27	0.920	ok	0.919	0.859-0.979
Methyl Isobutyl Ketone	6.20	4.55	1.363	ok	1.360	1.300-1.420
Methyl Tert Butyl Ether	2.87	3.27	0.878	ok	0.877	0.817-0.937
Methylmethacrylate	5.44	4.55	1.196	ok	1.195	1.135-1.255
Naphthalene	18.40	10.12	1.818	ok	1.818	1.758-1.878
Nonane	13.56	10.12	1.340	ok	1.340	1.280-1.400
Octane	9.14	4.55	2.009	ok	2.009	1.949-2.069
Pentane	2.30	3.27	0.703	ok	0.704	0.644-0.764

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2490
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	Reporting this level
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
n-Propylbenzene	15.30	10.12	1.512	ok	1.512	1.452-1.572
Propylene	1.67	3.27	0.511	ok	0.511	0.451-0.571
Styrene	12.23	10.12	1.208	ok	1.208	1.148-1.268
1,1,1-Trichloroethane	3.91	3.27	1.196	ok	1.196	1.136-1.256
1,1,1,2-Tetrachloroethane	10.20	10.12	1.008	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	12.45	10.12	1.230	ok	1.231	1.171-1.291
1,1,2-Trichloroethane	6.89	4.55	1.514	ok	1.515	1.455-1.575
1,2,4-Trichlorobenzene	18.35	10.12	1.813	ok	1.813	1.753-1.873
1,2,3-Trichloropropane	12.74	10.12	1.259	ok	1.259	1.199-1.319
1,2,3-Trimethylbenzene	16.99	10.12	1.679	ok	1.679	1.619-1.739
1,2,4-Trimethylbenzene	16.58	10.12	1.638	ok	1.638	1.578-1.698
1,3,5-Trimethylbenzene	15.99	10.12	1.580	ok	1.581	1.521-1.641
2,2,4-Trimethylpentane	5.21	4.55	1.145	ok	1.147	1.087-1.207
Tertiary Butyl Alcohol	2.44	3.27	0.746	ok	0.743	0.683-0.803
Tetrachloroethylene	9.00	4.55	1.978	ok	1.977	1.917-2.037
Tetrahydrofuran	3.58	3.27	1.095	ok	1.091	1.031-1.151
Toluene	7.26	4.55	1.596	ok	1.596	1.536-1.656
Trichloroethylene	5.12	4.55	1.125	ok	1.126	1.066-1.186
Trichlorofluoromethane	2.18	3.27	0.667	ok	0.669	0.609-0.729
Vinyl chloride	1.79	3.27	0.547	ok	0.547	0.487-0.607
Vinyl Acetate	2.90	3.27	0.887	ok	0.888	0.828-0.948
m,p-Xylene	11.51	10.12	1.137	ok	1.137	1.077-1.197
o-Xylene	12.44	10.12	1.229	ok	1.229	1.169-1.289
TVHC As Equiv Pentane	2.30	10.12	0.227	ok	0.227	0.167-0.287

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.27	ok	3.27	2.94-3.60	79966	ok	80511	48307-112715
1,4-Difluorobenzene	4.55	ok	4.55	4.22-4.88	410941	ok	406483	243890-569076
Chlorobenzene-D5	10.12	ok	10.12	9.79-10.45	362110	ok	359712	215827-503597

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2490
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	Reporting this level
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.14	3.27	0.654	ok	0.653	0.593-0.713
Acrolein	2.09	3.27	0.639	ok	0.640	0.580-0.700
Acrylonitrile	2.28	3.27	0.697	ok	0.696	0.636-0.756
Acetonitrile	2.05	3.27	0.627	ok	0.627	0.567-0.687
1,3-Butadiene	1.83	3.27	0.560	ok	0.560	0.500-0.620
Benzene	4.23	3.27	1.294	ok	1.293	1.233-1.353
Bromobenzene	13.82	10.12	1.366	ok	1.366	1.306-1.426
Bromodichloromethane	5.07	4.55	1.114	ok	1.114	1.054-1.174
Bromoform	11.32	10.12	1.119	ok	1.118	1.058-1.178
Bromomethane	1.91	3.27	0.584	ok	0.584	0.524-0.644
Bromoethene	2.06	3.27	0.630	ok	0.630	0.570-0.690
n-Butane	1.85	3.27	0.566	ok	0.566	0.506-0.626
Benzyl Chloride	16.67	10.12	1.647	ok	1.647	1.587-1.707
n-Butylbenzene	17.42	10.12	1.721	ok	1.722	1.662-1.782
sec-Butylbenzene	16.87	10.12	1.667	ok	1.667	1.607-1.727
tert-Butylbenzene	16.57	10.12	1.637	ok	1.637	1.577-1.697
Carbon disulfide	2.52	3.27	0.771	ok	0.771	0.711-0.831
Chlorobenzene	10.20	10.12	1.008	ok	1.008	0.948-1.068
Chlorodifluoromethane	1.66	3.27	0.508	ok	0.508	0.448-0.568
Chloroethane	1.96	3.27	0.599	ok	0.599	0.539-0.659
Chlorotrifluoroethene	1.67	3.27	0.511	ok	0.511	0.451-0.571
Chloroform	3.34	3.27	1.021	ok	1.022	0.962-1.082
Chloromethane	1.73	3.27	0.529	ok	0.529	0.469-0.589
3-Chloropropene	2.47	3.27	0.755	ok	0.755	0.695-0.815
2-Chlorotoluene	14.95	10.12	1.477	ok	1.477	1.417-1.537
Carbon tetrachloride	4.34	3.27	1.327	ok	1.326	1.266-1.386
Cyclohexane	4.43	4.55	0.974	ok	0.974	0.914-1.034
1,1-Dichloroethane	2.83	3.27	0.865	ok	0.865	0.805-0.925
1,1-Dichloroethylene	2.39	3.27	0.731	ok	0.731	0.671-0.791
1,2-Dibromoethane (EDB)	8.14	4.55	1.789	ok	1.789	1.729-1.849
1,2-Dichloroethane	3.75	3.27	1.147	ok	1.147	1.087-1.207
1,2-Dichloropropane	4.89	4.55	1.075	ok	1.074	1.014-1.134
1,3-Dichloropropane	7.32	4.55	1.609	ok	1.609	1.549-1.669
1,4-Dioxane	5.16	4.55	1.134	ok	1.137	1.077-1.197
Dichlorodifluoromethane	1.69	3.27	0.517	ok	0.517	0.457-0.577
Dichlorofluoromethane	1.98	3.27	0.606	ok	0.606	0.546-0.666
Dibromochloromethane	7.79	4.55	1.712	ok	1.713	1.653-1.773
Dibromomethane	4.85	4.55	1.066	ok	1.066	1.006-1.126
trans-1,2-Dichloroethylene	2.75	3.27	0.841	ok	0.841	0.781-0.901

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2490
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	Reporting this level
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.19	3.27	0.976	ok	0.976	0.916-1.036
cis-1,3-Dichloropropene	6.06	4.55	1.332	ok	1.332	1.272-1.392
m-Dichlorobenzene	16.64	10.12	1.644	ok	1.644	1.584-1.704
o-Dichlorobenzene	17.04	10.12	1.684	ok	1.684	1.624-1.744
p-Dichlorobenzene	16.73	10.12	1.653	ok	1.653	1.593-1.713
trans-1,3-Dichloropropene	6.73	4.55	1.479	ok	1.481	1.421-1.541
Di-Isopropyl ether	3.33	3.27	1.018	ok	1.020	0.960-1.080
2,3-Dimethylpentane	4.69	4.55	1.031	ok	1.030	0.970-1.090
2,4-Dimethylpentane	3.83	3.27	1.171	ok	1.173	1.113-1.233
Ethanol	1.99	3.27	0.609	ok	0.610	0.550-0.670
Ethylbenzene	11.08	10.12	1.095	ok	1.095	1.035-1.155
Ethyl Acetate	3.33	3.27	1.018	ok	1.020	0.960-1.080
Ethyl Acrylate	5.01	4.55	1.101	ok	1.103	1.043-1.163
4-Ethyltoluene	15.74	10.12	1.555	ok	1.555	1.495-1.615
Freon 113	2.52	3.27	0.771	ok	0.771	0.711-0.831
Freon 114	1.76	3.27	0.538	ok	0.538	0.478-0.598
Freon 115	1.62	3.27	0.495	ok	0.494	0.434-0.554
Freon 123	2.11	3.27	0.645	ok	0.643	0.583-0.703
Freon 123A	2.12	3.27	0.648	ok	0.649	0.589-0.709
Freon 142B	1.73	3.27	0.529	ok	0.527	0.467-0.587
Freon 152A	1.65	3.27	0.505	ok	0.504	0.444-0.564
Heptane	5.53	4.55	1.215	ok	1.216	1.156-1.276
Hexachlorobutadiene	18.66	10.12	1.844	ok	1.843	1.783-1.903
Hexachloroethane	17.60	10.12	1.739	ok	1.739	1.679-1.799
Hexane	3.32	3.27	1.015	ok	1.015	0.955-1.075
2-Hexanone	7.86	4.55	1.727	ok	1.729	1.669-1.789
Iodomethane	2.36	3.27	0.722	ok	0.722	0.662-0.782
Isopropylbenzene	13.95	10.12	1.378	ok	1.379	1.319-1.439
Isopropyl Alcohol	2.22	3.27	0.679	ok	0.679	0.619-0.739
p-Isopropyltoluene	17.06	10.12	1.686	ok	1.686	1.626-1.746
Methylene chloride	2.43	3.27	0.743	ok	0.742	0.682-0.802
Methyl ethyl ketone	3.00	3.27	0.917	ok	0.919	0.859-0.979
Methyl Isobutyl Ketone	6.18	4.55	1.358	ok	1.360	1.300-1.420
Methyl Tert Butyl Ether	2.87	3.27	0.878	ok	0.877	0.817-0.937
Methylmethacrylate	5.43	4.55	1.193	ok	1.195	1.135-1.255
Naphthalene	18.40	10.12	1.818	ok	1.818	1.758-1.878
Nonane	13.56	10.12	1.340	ok	1.340	1.280-1.400
Octane	9.14	4.55	2.009	ok	2.009	1.949-2.069
Pentane	2.30	3.27	0.703	ok	0.704	0.644-0.764

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2490
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	Reporting this level
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
n-Propylbenzene	15.30	10.12	1.512	ok	1.512	1.452-1.572
Propylene	1.67	3.27	0.511	ok	0.511	0.451-0.571
Styrene	12.23	10.12	1.208	ok	1.208	1.148-1.268
1,1,1-Trichloroethane	3.91	3.27	1.196	ok	1.196	1.136-1.256
1,1,1,2-Tetrachloroethane	10.21	10.12	1.009	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	12.45	10.12	1.230	ok	1.231	1.171-1.291
1,1,2-Trichloroethane	6.89	4.55	1.514	ok	1.515	1.455-1.575
1,2,4-Trichlorobenzene	18.35	10.12	1.813	ok	1.813	1.753-1.873
1,2,3-Trichloropropane	12.74	10.12	1.259	ok	1.259	1.199-1.319
1,2,3-Trimethylbenzene	16.99	10.12	1.679	ok	1.679	1.619-1.739
1,2,4-Trimethylbenzene	16.58	10.12	1.638	ok	1.638	1.578-1.698
1,3,5-Trimethylbenzene	16.00	10.12	1.581	ok	1.581	1.521-1.641
2,2,4-Trimethylpentane	5.22	4.55	1.147	ok	1.147	1.087-1.207
Tertiary Butyl Alcohol	2.43	3.27	0.743	ok	0.743	0.683-0.803
Tetrachloroethylene	8.99	4.55	1.976	ok	1.977	1.917-2.037
Tetrahydrofuran	3.56	3.27	1.089	ok	1.091	1.031-1.151
Toluene	7.26	4.55	1.596	ok	1.596	1.536-1.656
Trichloroethylene	5.12	4.55	1.125	ok	1.126	1.066-1.186
Trichlorofluoromethane	2.19	3.27	0.670	ok	0.669	0.609-0.729
Vinyl chloride	1.79	3.27	0.547	ok	0.547	0.487-0.607
Vinyl Acetate	2.90	3.27	0.887	ok	0.888	0.828-0.948
m,p-Xylene	11.50	10.12	1.136	ok	1.137	1.077-1.197
o-Xylene	12.44	10.12	1.229	ok	1.229	1.169-1.289
TVHC As Equiv Pentane	2.30	10.12	0.227	ok	0.227	0.167-0.287

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.27	ok	3.27	2.94-3.60	81466	ok	80511	48307-112715
1,4-Difluorobenzene	4.55	ok	4.55	4.22-4.88	410025	ok	406483	243890-569076
Chlorobenzene-D5	10.12	ok	10.12	9.79-10.45	361102	ok	359712	215827-503597

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2490
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	Reporting this level
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.13	3.27	0.651	ok	0.653	0.593-0.713
Acrolein	2.09	3.27	0.639	ok	0.640	0.580-0.700
Acrylonitrile	2.27	3.27	0.694	ok	0.696	0.636-0.756
Acetonitrile	2.05	3.27	0.627	ok	0.627	0.567-0.687
1,3-Butadiene	1.83	3.27	0.560	ok	0.560	0.500-0.620
Benzene	4.23	3.27	1.294	ok	1.293	1.233-1.353
Bromobenzene	13.82	10.12	1.366	ok	1.366	1.306-1.426
Bromodichloromethane	5.07	4.55	1.114	ok	1.114	1.054-1.174
Bromoform	11.32	10.12	1.119	ok	1.118	1.058-1.178
Bromomethane	1.91	3.27	0.584	ok	0.584	0.524-0.644
Bromoethene	2.06	3.27	0.630	ok	0.630	0.570-0.690
n-Butane	1.85	3.27	0.566	ok	0.566	0.506-0.626
Benzyl Chloride	16.67	10.12	1.647	ok	1.647	1.587-1.707
n-Butylbenzene	17.42	10.12	1.721	ok	1.722	1.662-1.782
sec-Butylbenzene	16.87	10.12	1.667	ok	1.667	1.607-1.727
tert-Butylbenzene	16.57	10.12	1.637	ok	1.637	1.577-1.697
Carbon disulfide	2.52	3.27	0.771	ok	0.771	0.711-0.831
Chlorobenzene	10.20	10.12	1.008	ok	1.008	0.948-1.068
Chlorodifluoromethane	1.66	3.27	0.508	ok	0.508	0.448-0.568
Chloroethane	1.96	3.27	0.599	ok	0.599	0.539-0.659
Chlorotrifluoroethene	1.67	3.27	0.511	ok	0.511	0.451-0.571
Chloroform	3.34	3.27	1.021	ok	1.022	0.962-1.082
Chloromethane	1.73	3.27	0.529	ok	0.529	0.469-0.589
3-Chloropropene	2.47	3.27	0.755	ok	0.755	0.695-0.815
2-Chlorotoluene	14.95	10.12	1.477	ok	1.477	1.417-1.537
Carbon tetrachloride	4.33	3.27	1.324	ok	1.326	1.266-1.386
Cyclohexane	4.43	4.55	0.974	ok	0.974	0.914-1.034
1,1-Dichloroethane	2.83	3.27	0.865	ok	0.865	0.805-0.925
1,1-Dichloroethylene	2.39	3.27	0.731	ok	0.731	0.671-0.791
1,2-Dibromoethane (EDB)	8.14	4.55	1.789	ok	1.789	1.729-1.849
1,2-Dichloroethane	3.75	3.27	1.147	ok	1.147	1.087-1.207
1,2-Dichloropropane	4.89	4.55	1.075	ok	1.074	1.014-1.134
1,3-Dichloropropane	7.32	4.55	1.609	ok	1.609	1.549-1.669
1,4-Dioxane	5.15	4.55	1.132	ok	1.137	1.077-1.197
Dichlorodifluoromethane	1.69	3.27	0.517	ok	0.517	0.457-0.577
Dichlorofluoromethane	1.98	3.27	0.606	ok	0.606	0.546-0.666
Dibromochloromethane	7.80	4.55	1.714	ok	1.713	1.653-1.773
Dibromomethane	4.85	4.55	1.066	ok	1.066	1.006-1.126
trans-1,2-Dichloroethylene	2.75	3.27	0.841	ok	0.841	0.781-0.901

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2490
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	Reporting this level
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.19	3.27	0.976	ok	0.976	0.916-1.036
cis-1,3-Dichloropropene	6.06	4.55	1.332	ok	1.332	1.272-1.392
m-Dichlorobenzene	16.64	10.12	1.644	ok	1.644	1.584-1.704
o-Dichlorobenzene	17.04	10.12	1.684	ok	1.684	1.624-1.744
p-Dichlorobenzene	16.73	10.12	1.653	ok	1.653	1.593-1.713
trans-1,3-Dichloropropene	6.74	4.55	1.481	ok	1.481	1.421-1.541
Di-Isopropyl ether	3.33	3.27	1.018	ok	1.020	0.960-1.080
2,3-Dimethylpentane	4.69	4.55	1.031	ok	1.030	0.970-1.090
2,4-Dimethylpentane	3.83	3.27	1.171	ok	1.173	1.113-1.233
Ethanol	1.99	3.27	0.609	ok	0.610	0.550-0.670
Ethylbenzene	11.08	10.12	1.095	ok	1.095	1.035-1.155
Ethyl Acetate	3.33	3.27	1.018	ok	1.020	0.960-1.080
Ethyl Acrylate	5.01	4.55	1.101	ok	1.103	1.043-1.163
4-Ethyltoluene	15.74	10.12	1.555	ok	1.555	1.495-1.615
Freon 113	2.52	3.27	0.771	ok	0.771	0.711-0.831
Freon 114	1.76	3.27	0.538	ok	0.538	0.478-0.598
Freon 115	1.62	3.27	0.495	ok	0.494	0.434-0.554
Freon 123	2.10	3.27	0.642	ok	0.643	0.583-0.703
Freon 123A	2.12	3.27	0.648	ok	0.649	0.589-0.709
Freon 142B	1.72	3.27	0.526	ok	0.527	0.467-0.587
Freon 152A	1.65	3.27	0.505	ok	0.504	0.444-0.564
Heptane	5.53	4.55	1.215	ok	1.216	1.156-1.276
Hexachlorobutadiene	18.66	10.12	1.844	ok	1.843	1.783-1.903
Hexachloroethane	17.60	10.12	1.739	ok	1.739	1.679-1.799
Hexane	3.32	3.27	1.015	ok	1.015	0.955-1.075
2-Hexanone	7.85	4.55	1.725	ok	1.729	1.669-1.789
Iodomethane	2.36	3.27	0.722	ok	0.722	0.662-0.782
Isopropylbenzene	13.96	10.12	1.379	ok	1.379	1.319-1.439
Isopropyl Alcohol	2.21	3.27	0.676	ok	0.679	0.619-0.739
p-Isopropyltoluene	17.06	10.12	1.686	ok	1.686	1.626-1.746
Methylene chloride	2.43	3.27	0.743	ok	0.742	0.682-0.802
Methyl ethyl ketone	3.00	3.27	0.917	ok	0.919	0.859-0.979
Methyl Isobutyl Ketone	6.18	4.55	1.358	ok	1.360	1.300-1.420
Methyl Tert Butyl Ether	2.87	3.27	0.878	ok	0.877	0.817-0.937
Methylmethacrylate	5.43	4.55	1.193	ok	1.195	1.135-1.255
Naphthalene	18.40	10.12	1.818	ok	1.818	1.758-1.878
Nonane	13.57	10.12	1.341	ok	1.340	1.280-1.400
Octane	9.14	4.55	2.009	ok	2.009	1.949-2.069
Pentane	2.30	3.27	0.703	ok	0.704	0.644-0.764

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2490
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	Reporting this level
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
n-Propylbenzene	15.30	10.12	1.512	ok	1.512	1.452-1.572
Propylene	1.67	3.27	0.511	ok	0.511	0.451-0.571
Styrene	12.23	10.12	1.208	ok	1.208	1.148-1.268
1,1,1-Trichloroethane	3.91	3.27	1.196	ok	1.196	1.136-1.256
1,1,1,2-Tetrachloroethane	10.21	10.12	1.009	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	12.46	10.12	1.231	ok	1.231	1.171-1.291
1,1,2-Trichloroethane	6.89	4.55	1.514	ok	1.515	1.455-1.575
1,2,4-Trichlorobenzene	18.35	10.12	1.813	ok	1.813	1.753-1.873
1,2,3-Trichloropropane	12.74	10.12	1.259	ok	1.259	1.199-1.319
1,2,3-Trimethylbenzene	16.99	10.12	1.679	ok	1.679	1.619-1.739
1,2,4-Trimethylbenzene	16.58	10.12	1.638	ok	1.638	1.578-1.698
1,3,5-Trimethylbenzene	16.00	10.12	1.581	ok	1.581	1.521-1.641
2,2,4-Trimethylpentane	5.22	4.55	1.147	ok	1.147	1.087-1.207
Tertiary Butyl Alcohol	2.42	3.27	0.740	ok	0.743	0.683-0.803
Tetrachloroethylene	8.99	4.55	1.976	ok	1.977	1.917-2.037
Tetrahydrofuran	3.56	3.27	1.089	ok	1.091	1.031-1.151
Toluene	7.26	4.55	1.596	ok	1.596	1.536-1.656
Trichloroethylene	5.12	4.55	1.125	ok	1.126	1.066-1.186
Trichlorofluoromethane	2.19	3.27	0.670	ok	0.669	0.609-0.729
Vinyl chloride	1.79	3.27	0.547	ok	0.547	0.487-0.607
Vinyl Acetate	2.90	3.27	0.887	ok	0.888	0.828-0.948
m,p-Xylene	11.51	10.12	1.137	ok	1.137	1.077-1.197
o-Xylene	12.44	10.12	1.229	ok	1.229	1.169-1.289
TVHC As Equiv Pentane	2.30	10.12	0.227	ok	0.227	0.167-0.287

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.27	ok	3.27	2.94-3.60	76492	ok	80511	48307-112715
1,4-Difluorobenzene	4.55	ok	4.55	4.22-4.88	388370	ok	406483	243890-569076
Chlorobenzene-D5	10.12	ok	10.12	9.79-10.45	349697	ok	359712	215827-503597

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2490
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	Reporting this level
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.13	3.27	0.651	ok	0.653	0.593-0.713
Acrolein	2.09	3.27	0.639	ok	0.640	0.580-0.700
Acrylonitrile	2.27	3.27	0.694	ok	0.696	0.636-0.756
Acetonitrile	2.05	3.27	0.627	ok	0.627	0.567-0.687
1,3-Butadiene	1.83	3.27	0.560	ok	0.560	0.500-0.620
Benzene	4.23	3.27	1.294	ok	1.293	1.233-1.353
Bromobenzene	13.83	10.12	1.367	ok	1.366	1.306-1.426
Bromodichloromethane	5.07	4.55	1.114	ok	1.114	1.054-1.174
Bromoform	11.32	10.12	1.119	ok	1.118	1.058-1.178
Bromomethane	1.91	3.27	0.584	ok	0.584	0.524-0.644
Bromoethene	2.06	3.27	0.630	ok	0.630	0.570-0.690
n-Butane	1.85	3.27	0.566	ok	0.566	0.506-0.626
Benzyl Chloride	16.67	10.12	1.647	ok	1.647	1.587-1.707
n-Butylbenzene	17.43	10.12	1.722	ok	1.722	1.662-1.782
sec-Butylbenzene	16.88	10.12	1.668	ok	1.667	1.607-1.727
tert-Butylbenzene	16.57	10.12	1.637	ok	1.637	1.577-1.697
Carbon disulfide	2.52	3.27	0.771	ok	0.771	0.711-0.831
Chlorobenzene	10.20	10.12	1.008	ok	1.008	0.948-1.068
Chlorodifluoromethane	1.66	3.27	0.508	ok	0.508	0.448-0.568
Chloroethane	1.96	3.27	0.599	ok	0.599	0.539-0.659
Chlorotrifluoroethene	1.67	3.27	0.511	ok	0.511	0.451-0.571
Chloroform	3.34	3.27	1.021	ok	1.022	0.962-1.082
Chloromethane	1.73	3.27	0.529	ok	0.529	0.469-0.589
3-Chloropropene	2.47	3.27	0.755	ok	0.755	0.695-0.815
2-Chlorotoluene	14.96	10.12	1.478	ok	1.477	1.417-1.537
Carbon tetrachloride	4.34	3.27	1.327	ok	1.326	1.266-1.386
Cyclohexane	4.43	4.55	0.974	ok	0.974	0.914-1.034
1,1-Dichloroethane	2.83	3.27	0.865	ok	0.865	0.805-0.925
1,1-Dichloroethylene	2.39	3.27	0.731	ok	0.731	0.671-0.791
1,2-Dibromoethane (EDB)	8.14	4.55	1.789	ok	1.789	1.729-1.849
1,2-Dichloroethane	3.75	3.27	1.147	ok	1.147	1.087-1.207
1,2-Dichloropropane	4.89	4.55	1.075	ok	1.074	1.014-1.134
1,3-Dichloropropane	7.32	4.55	1.609	ok	1.609	1.549-1.669
1,4-Dioxane	5.14	4.55	1.130	ok	1.137	1.077-1.197
Dichlorodifluoromethane	1.69	3.27	0.517	ok	0.517	0.457-0.577
Dichlorofluoromethane	1.98	3.27	0.606	ok	0.606	0.546-0.666
Dibromochloromethane	7.80	4.55	1.714	ok	1.713	1.653-1.773
Dibromomethane	4.85	4.55	1.066	ok	1.066	1.006-1.126
trans-1,2-Dichloroethylene	2.75	3.27	0.841	ok	0.841	0.781-0.901

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2490
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	Reporting this level
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.19	3.27	0.976	ok	0.976	0.916-1.036
cis-1,3-Dichloropropene	6.06	4.55	1.332	ok	1.332	1.272-1.392
m-Dichlorobenzene	16.64	10.12	1.644	ok	1.644	1.584-1.704
o-Dichlorobenzene	17.05	10.12	1.685	ok	1.684	1.624-1.744
p-Dichlorobenzene	16.73	10.12	1.653	ok	1.653	1.593-1.713
trans-1,3-Dichloropropene	6.74	4.55	1.481	ok	1.481	1.421-1.541
Di-Isopropyl ether	3.33	3.27	1.018	ok	1.020	0.960-1.080
2,3-Dimethylpentane	4.69	4.55	1.031	ok	1.030	0.970-1.090
2,4-Dimethylpentane	3.84	3.27	1.174	ok	1.173	1.113-1.233
Ethanol	1.99	3.27	0.609	ok	0.610	0.550-0.670
Ethylbenzene	11.09	10.12	1.096	ok	1.095	1.035-1.155
Ethyl Acetate	3.33	3.27	1.018	ok	1.020	0.960-1.080
Ethyl Acrylate	5.01	4.55	1.101	ok	1.103	1.043-1.163
4-Ethyltoluene	15.75	10.12	1.556	ok	1.555	1.495-1.615
Freon 113	2.52	3.27	0.771	ok	0.771	0.711-0.831
Freon 114	1.76	3.27	0.538	ok	0.538	0.478-0.598
Freon 115	1.62	3.27	0.495	ok	0.494	0.434-0.554
Freon 123	2.10	3.27	0.642	ok	0.643	0.583-0.703
Freon 123A	2.12	3.27	0.648	ok	0.649	0.589-0.709
Freon 142B	1.72	3.27	0.526	ok	0.527	0.467-0.587
Freon 152A	1.65	3.27	0.505	ok	0.504	0.444-0.564
Heptane	5.53	4.55	1.215	ok	1.216	1.156-1.276
Hexachlorobutadiene	18.66	10.12	1.844	ok	1.843	1.783-1.903
Hexachloroethane	17.60	10.12	1.739	ok	1.739	1.679-1.799
Hexane	3.32	3.27	1.015	ok	1.015	0.955-1.075
2-Hexanone	7.85	4.55	1.725	ok	1.729	1.669-1.789
Iodomethane	2.36	3.27	0.722	ok	0.722	0.662-0.782
Isopropylbenzene	13.96	10.12	1.379	ok	1.379	1.319-1.439
Isopropyl Alcohol	2.21	3.27	0.676	ok	0.679	0.619-0.739
p-Isopropyltoluene	17.07	10.12	1.687	ok	1.686	1.626-1.746
Methylene chloride	2.43	3.27	0.743	ok	0.742	0.682-0.802
Methyl ethyl ketone	3.00	3.27	0.917	ok	0.919	0.859-0.979
Methyl Isobutyl Ketone	6.17	4.55	1.356	ok	1.360	1.300-1.420
Methyl Tert Butyl Ether	2.86	3.27	0.875	ok	0.877	0.817-0.937
Methylmethacrylate	5.43	4.55	1.193	ok	1.195	1.135-1.255
Naphthalene	18.40	10.12	1.818	ok	1.818	1.758-1.878
Nonane	13.57	10.12	1.341	ok	1.340	1.280-1.400
Octane	9.14	4.55	2.009	ok	2.009	1.949-2.069
Pentane	2.30	3.27	0.703	ok	0.704	0.644-0.764

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2490
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	Reporting this level
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
n-Propylbenzene	15.30	10.12	1.512	ok	1.512	1.452-1.572
Propylene	1.67	3.27	0.511	ok	0.511	0.451-0.571
Styrene	12.23	10.12	1.208	ok	1.208	1.148-1.268
1,1,1-Trichloroethane	3.91	3.27	1.196	ok	1.196	1.136-1.256
1,1,1,2-Tetrachloroethane	10.22	10.12	1.010	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	12.46	10.12	1.231	ok	1.231	1.171-1.291
1,1,2-Trichloroethane	6.90	4.55	1.516	ok	1.515	1.455-1.575
1,2,4-Trichlorobenzene	18.35	10.12	1.813	ok	1.813	1.753-1.873
1,2,3-Trichloropropane	12.74	10.12	1.259	ok	1.259	1.199-1.319
1,2,3-Trimethylbenzene	16.99	10.12	1.679	ok	1.679	1.619-1.739
1,2,4-Trimethylbenzene	16.58	10.12	1.638	ok	1.638	1.578-1.698
1,3,5-Trimethylbenzene	16.00	10.12	1.581	ok	1.581	1.521-1.641
2,2,4-Trimethylpentane	5.22	4.55	1.147	ok	1.147	1.087-1.207
Tertiary Butyl Alcohol	2.41	3.27	0.737	ok	0.743	0.683-0.803
Tetrachloroethylene	9.00	4.55	1.978	ok	1.977	1.917-2.037
Tetrahydrofuran	3.55	3.27	1.086	ok	1.091	1.031-1.151
Toluene	7.27	4.55	1.598	ok	1.596	1.536-1.656
Trichloroethylene	5.12	4.55	1.125	ok	1.126	1.066-1.186
Trichlorofluoromethane	2.19	3.27	0.670	ok	0.669	0.609-0.729
Vinyl chloride	1.79	3.27	0.547	ok	0.547	0.487-0.607
Vinyl Acetate	2.90	3.27	0.887	ok	0.888	0.828-0.948
m,p-Xylene	11.51	10.12	1.137	ok	1.137	1.077-1.197
o-Xylene	12.45	10.12	1.230	ok	1.229	1.169-1.289
TVHC As Equiv Pentane	2.30	10.12	0.227	ok	0.227	0.167-0.287

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.27	ok	3.27	2.94-3.60	78951	ok	80511	48307-112715
1,4-Difluorobenzene	4.55	ok	4.55	4.22-4.88	399337	ok	406483	243890-569076
Chlorobenzene-D5	10.12	ok	10.12	9.79-10.45	358279	ok	359712	215827-503597

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2490
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	Reporting this level
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.13	3.27	0.651	ok	0.653	0.593-0.713
Acrolein	2.09	3.27	0.639	ok	0.640	0.580-0.700
Acrylonitrile	2.27	3.27	0.694	ok	0.696	0.636-0.756
Acetonitrile	2.05	3.27	0.627	ok	0.627	0.567-0.687
1,3-Butadiene	1.83	3.27	0.560	ok	0.560	0.500-0.620
Benzene	4.23	3.27	1.294	ok	1.293	1.233-1.353
Bromobenzene	13.83	10.13	1.365	ok	1.366	1.306-1.426
Bromodichloromethane	5.07	4.55	1.114	ok	1.114	1.054-1.174
Bromoform	11.33	10.13	1.118	ok	1.118	1.058-1.178
Bromomethane	1.91	3.27	0.584	ok	0.584	0.524-0.644
Bromoethene	2.06	3.27	0.630	ok	0.630	0.570-0.690
n-Butane	1.85	3.27	0.566	ok	0.566	0.506-0.626
Benzyl Chloride	16.68	10.13	1.647	ok	1.647	1.587-1.707
n-Butylbenzene	17.43	10.13	1.721	ok	1.722	1.662-1.782
sec-Butylbenzene	16.88	10.13	1.666	ok	1.667	1.607-1.727
tert-Butylbenzene	16.58	10.13	1.637	ok	1.637	1.577-1.697
Carbon disulfide	2.52	3.27	0.771	ok	0.771	0.711-0.831
Chlorobenzene	10.21	10.13	1.008	ok	1.008	0.948-1.068
Chlorodifluoromethane	1.66	3.27	0.508	ok	0.508	0.448-0.568
Chloroethane	1.96	3.27	0.599	ok	0.599	0.539-0.659
Chlorotrifluoroethene	1.67	3.27	0.511	ok	0.511	0.451-0.571
Chloroform	3.34	3.27	1.021	ok	1.022	0.962-1.082
Chloromethane	1.73	3.27	0.529	ok	0.529	0.469-0.589
3-Chloropropene	2.47	3.27	0.755	ok	0.755	0.695-0.815
2-Chlorotoluene	14.96	10.13	1.477	ok	1.477	1.417-1.537
Carbon tetrachloride	4.34	3.27	1.327	ok	1.326	1.266-1.386
Cyclohexane	4.43	4.55	0.974	ok	0.974	0.914-1.034
1,1-Dichloroethane	2.83	3.27	0.865	ok	0.865	0.805-0.925
1,1-Dichloroethylene	2.39	3.27	0.731	ok	0.731	0.671-0.791
1,2-Dibromoethane (EDB)	8.15	4.55	1.791	ok	1.789	1.729-1.849
1,2-Dichloroethane	3.75	3.27	1.147	ok	1.147	1.087-1.207
1,2-Dichloropropane	4.89	4.55	1.075	ok	1.074	1.014-1.134
1,3-Dichloropropane	7.33	4.55	1.611	ok	1.609	1.549-1.669
1,4-Dioxane	5.14	4.55	1.130	ok	1.137	1.077-1.197
Dichlorodifluoromethane	1.69	3.27	0.517	ok	0.517	0.457-0.577
Dichlorofluoromethane	1.98	3.27	0.606	ok	0.606	0.546-0.666
Dibromochloromethane	7.80	4.55	1.714	ok	1.713	1.653-1.773
Dibromomethane	4.85	4.55	1.066	ok	1.066	1.006-1.126
trans-1,2-Dichloroethylene	2.75	3.27	0.841	ok	0.841	0.781-0.901

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2490
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	Reporting this level
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.19	3.27	0.976	ok	0.976	0.916-1.036
cis-1,3-Dichloropropene	6.06	4.55	1.332	ok	1.332	1.272-1.392
m-Dichlorobenzene	16.65	10.13	1.644	ok	1.644	1.584-1.704
o-Dichlorobenzene	17.05	10.13	1.683	ok	1.684	1.624-1.744
p-Dichlorobenzene	16.74	10.13	1.653	ok	1.653	1.593-1.713
trans-1,3-Dichloropropene	6.74	4.55	1.481	ok	1.481	1.421-1.541
Di-Isopropyl ether	3.33	3.27	1.018	ok	1.020	0.960-1.080
2,3-Dimethylpentane	4.69	4.55	1.031	ok	1.030	0.970-1.090
2,4-Dimethylpentane	3.84	3.27	1.174	ok	1.173	1.113-1.233
Ethanol	1.99	3.27	0.609	ok	0.610	0.550-0.670
Ethylbenzene	11.09	10.13	1.095	ok	1.095	1.035-1.155
Ethyl Acetate	3.33	3.27	1.018	ok	1.020	0.960-1.080
Ethyl Acrylate	5.01	4.55	1.101	ok	1.103	1.043-1.163
4-Ethyltoluene	15.75	10.13	1.555	ok	1.555	1.495-1.615
Freon 113	2.52	3.27	0.771	ok	0.771	0.711-0.831
Freon 114	1.76	3.27	0.538	ok	0.538	0.478-0.598
Freon 115	1.61	3.27	0.492	ok	0.494	0.434-0.554
Freon 123	2.10	3.27	0.642	ok	0.643	0.583-0.703
Freon 123A	2.12	3.27	0.648	ok	0.649	0.589-0.709
Freon 142B	1.72	3.27	0.526	ok	0.527	0.467-0.587
Freon 152A	1.65	3.27	0.505	ok	0.504	0.444-0.564
Heptane	5.54	4.55	1.218	ok	1.216	1.156-1.276
Hexachlorobutadiene	18.66	10.13	1.842	ok	1.843	1.783-1.903
Hexachloroethane	17.61	10.13	1.738	ok	1.739	1.679-1.799
Hexane	3.32	3.27	1.015	ok	1.015	0.955-1.075
2-Hexanone	7.85	4.55	1.725	ok	1.729	1.669-1.789
Iodomethane	2.36	3.27	0.722	ok	0.722	0.662-0.782
Isopropylbenzene	13.97	10.13	1.379	ok	1.379	1.319-1.439
Isopropyl Alcohol	2.21	3.27	0.676	ok	0.679	0.619-0.739
p-Isopropyltoluene	17.07	10.13	1.685	ok	1.686	1.626-1.746
Methylene chloride	2.43	3.27	0.743	ok	0.742	0.682-0.802
Methyl ethyl ketone	3.00	3.27	0.917	ok	0.919	0.859-0.979
Methyl Isobutyl Ketone	6.17	4.55	1.356	ok	1.360	1.300-1.420
Methyl Tert Butyl Ether	2.86	3.27	0.875	ok	0.877	0.817-0.937
Methylmethacrylate	5.43	4.55	1.193	ok	1.195	1.135-1.255
Naphthalene	18.40	10.13	1.816	ok	1.818	1.758-1.878
Nonane	13.58	10.13	1.341	ok	1.340	1.280-1.400
Octane	9.15	4.55	2.011	ok	2.009	1.949-2.069
Pentane	2.30	3.27	0.703	ok	0.704	0.644-0.764

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2490
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	Reporting this level
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
n-Propylbenzene	15.31	10.13	1.511	ok	1.512	1.452-1.572
Propylene	1.67	3.27	0.511	ok	0.511	0.451-0.571
Styrene	12.24	10.13	1.208	ok	1.208	1.148-1.268
1,1,1-Trichloroethane	3.92	3.27	1.199	ok	1.196	1.136-1.256
1,1,1,2-Tetrachloroethane	10.22	10.13	1.009	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	12.47	10.13	1.231	ok	1.231	1.171-1.291
1,1,2-Trichloroethane	6.90	4.55	1.516	ok	1.515	1.455-1.575
1,2,4-Trichlorobenzene	18.35	10.13	1.811	ok	1.813	1.753-1.873
1,2,3-Trichloropropane	12.75	10.13	1.259	ok	1.259	1.199-1.319
1,2,3-Trimethylbenzene	17.00	10.13	1.678	ok	1.679	1.619-1.739
1,2,4-Trimethylbenzene	16.59	10.13	1.638	ok	1.638	1.578-1.698
1,3,5-Trimethylbenzene	16.01	10.13	1.580	ok	1.581	1.521-1.641
2,2,4-Trimethylpentane	5.22	4.55	1.147	ok	1.147	1.087-1.207
Tertiary Butyl Alcohol	2.41	3.27	0.737	ok	0.743	0.683-0.803
Tetrachloroethylene	9.00	4.55	1.978	ok	1.977	1.917-2.037
Tetrahydrofuran	3.55	3.27	1.086	ok	1.091	1.031-1.151
Toluene	7.27	4.55	1.598	ok	1.596	1.536-1.656
Trichloroethylene	5.13	4.55	1.127	ok	1.126	1.066-1.186
Trichlorofluoromethane	2.19	3.27	0.670	ok	0.669	0.609-0.729
Vinyl chloride	1.79	3.27	0.547	ok	0.547	0.487-0.607
Vinyl Acetate	2.90	3.27	0.887	ok	0.888	0.828-0.948
m,p-Xylene	11.52	10.13	1.137	ok	1.137	1.077-1.197
o-Xylene	12.45	10.13	1.229	ok	1.229	1.169-1.289
TVHC As Equiv Pentane	2.30	10.13	0.227	ok	0.227	0.167-0.287

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.27	ok	3.27	2.94-3.60	77284	ok	80511	48307-112715
1,4-Difluorobenzene	4.55	ok	4.55	4.22-4.88	380992	ok	406483	243890-569076
Chlorobenzene-D5	10.13	ok	10.12	9.79-10.45	341287	ok	359712	215827-503597

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2490
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.13	3.27	0.651	ok	0.653	0.593-0.713
Acrolein	2.09	3.27	0.639	ok	0.640	0.580-0.700
Acrylonitrile	2.27	3.27	0.694	ok	0.696	0.636-0.756
Acetonitrile	2.05	3.27	0.627	ok	0.627	0.567-0.687
1,3-Butadiene	1.83	3.27	0.560	ok	0.560	0.500-0.620
Benzene	4.23	3.27	1.294	ok	1.293	1.233-1.353
Bromobenzene	13.84	10.13	1.366	ok	1.366	1.306-1.426
Bromodichloromethane	5.07	4.55	1.114	ok	1.114	1.054-1.174
Bromoform	11.33	10.13	1.118	ok	1.118	1.058-1.178
Bromomethane	1.91	3.27	0.584	ok	0.584	0.524-0.644
Bromoethene	2.06	3.27	0.630	ok	0.630	0.570-0.690
n-Butane	1.85	3.27	0.566	ok	0.566	0.506-0.626
Benzyl Chloride	16.68	10.13	1.647	ok	1.647	1.587-1.707
n-Butylbenzene	17.43	10.13	1.721	ok	1.722	1.662-1.782
sec-Butylbenzene	16.88	10.13	1.666	ok	1.667	1.607-1.727
tert-Butylbenzene	16.58	10.13	1.637	ok	1.637	1.577-1.697
Carbon disulfide	2.52	3.27	0.771	ok	0.771	0.711-0.831
Chlorobenzene	10.21	10.13	1.008	ok	1.008	0.948-1.068
Chlorodifluoromethane	1.66	3.27	0.508	ok	0.508	0.448-0.568
Chloroethane	1.96	3.27	0.599	ok	0.599	0.539-0.659
Chlorotrifluoroethene	1.67	3.27	0.511	ok	0.511	0.451-0.571
Chloroform	3.35	3.27	1.024	ok	1.022	0.962-1.082
Chloromethane	1.73	3.27	0.529	ok	0.529	0.469-0.589
3-Chloropropene	2.47	3.27	0.755	ok	0.755	0.695-0.815
2-Chlorotoluene	14.97	10.13	1.478	ok	1.477	1.417-1.537
Carbon tetrachloride	4.34	3.27	1.327	ok	1.326	1.266-1.386
Cyclohexane	4.43	4.55	0.974	ok	0.974	0.914-1.034
1,1-Dichloroethane	2.83	3.27	0.865	ok	0.865	0.805-0.925
1,1-Dichloroethylene	2.39	3.27	0.731	ok	0.731	0.671-0.791
1,2-Dibromoethane (EDB)	8.15	4.55	1.791	ok	1.789	1.729-1.849
1,2-Dichloroethane	3.75	3.27	1.147	ok	1.147	1.087-1.207
1,2-Dichloropropane	4.89	4.55	1.075	ok	1.074	1.014-1.134
1,3-Dichloropropane	7.33	4.55	1.611	ok	1.609	1.549-1.669
1,4-Dioxane	5.14	4.55	1.130	ok	1.137	1.077-1.197
Dichlorodifluoromethane	1.69	3.27	0.517	ok	0.517	0.457-0.577
Dichlorofluoromethane	1.98	3.27	0.606	ok	0.606	0.546-0.666
Dibromochloromethane	7.80	4.55	1.714	ok	1.713	1.653-1.773
Dibromomethane	4.86	4.55	1.068	ok	1.066	1.006-1.126
trans-1,2-Dichloroethylene	2.75	3.27	0.841	ok	0.841	0.781-0.901

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2490
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.19	3.27	0.976	ok	0.976	0.916-1.036
cis-1,3-Dichloropropene	6.06	4.55	1.332	ok	1.332	1.272-1.392
m-Dichlorobenzene	16.65	10.13	1.644	ok	1.644	1.584-1.704
o-Dichlorobenzene	17.05	10.13	1.683	ok	1.684	1.624-1.744
p-Dichlorobenzene	16.74	10.13	1.653	ok	1.653	1.593-1.713
trans-1,3-Dichloropropene	6.74	4.55	1.481	ok	1.481	1.421-1.541
Di-Isopropyl ether	3.33	3.27	1.018	ok	1.020	0.960-1.080
2,3-Dimethylpentane	4.69	4.55	1.031	ok	1.030	0.970-1.090
2,4-Dimethylpentane	3.84	3.27	1.174	ok	1.173	1.113-1.233
Ethanol	1.99	3.27	0.609	ok	0.610	0.550-0.670
Ethylbenzene	11.09	10.13	1.095	ok	1.095	1.035-1.155
Ethyl Acetate	3.33	3.27	1.018	ok	1.020	0.960-1.080
Ethyl Acrylate	5.01	4.55	1.101	ok	1.103	1.043-1.163
4-Ethyltoluene	15.76	10.13	1.556	ok	1.555	1.495-1.615
Freon 113	2.52	3.27	0.771	ok	0.771	0.711-0.831
Freon 114	1.76	3.27	0.538	ok	0.538	0.478-0.598
Freon 115	1.61	3.27	0.492	ok	0.494	0.434-0.554
Freon 123	2.10	3.27	0.642	ok	0.643	0.583-0.703
Freon 123A	2.12	3.27	0.648	ok	0.649	0.589-0.709
Freon 142B	1.72	3.27	0.526	ok	0.527	0.467-0.587
Freon 152A	1.65	3.27	0.505	ok	0.504	0.444-0.564
Heptane	5.54	4.55	1.218	ok	1.216	1.156-1.276
Hexachlorobutadiene	18.66	10.13	1.842	ok	1.843	1.783-1.903
Hexachloroethane	17.61	10.13	1.738	ok	1.739	1.679-1.799
Hexane	3.32	3.27	1.015	ok	1.015	0.955-1.075
2-Hexanone	7.85	4.55	1.725	ok	1.729	1.669-1.789
Iodomethane	2.36	3.27	0.722	ok	0.722	0.662-0.782
Isopropylbenzene	13.97	10.13	1.379	ok	1.379	1.319-1.439
Isopropyl Alcohol	2.21	3.27	0.676	ok	0.679	0.619-0.739
p-Isopropyltoluene	17.07	10.13	1.685	ok	1.686	1.626-1.746
Methylene chloride	2.43	3.27	0.743	ok	0.742	0.682-0.802
Methyl ethyl ketone	3.00	3.27	0.917	ok	0.919	0.859-0.979
Methyl Isobutyl Ketone	6.17	4.55	1.356	ok	1.360	1.300-1.420
Methyl Tert Butyl Ether	2.86	3.27	0.875	ok	0.877	0.817-0.937
Methylmethacrylate	5.43	4.55	1.193	ok	1.195	1.135-1.255
Naphthalene	18.40	10.13	1.816	ok	1.818	1.758-1.878
Nonane	13.58	10.13	1.341	ok	1.340	1.280-1.400
Octane	9.15	4.55	2.011	ok	2.009	1.949-2.069
Pentane	2.30	3.27	0.703	ok	0.704	0.644-0.764

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2490
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
n-Propylbenzene	15.31	10.13	1.511	ok	1.512	1.452-1.572
Propylene	1.67	3.27	0.511	ok	0.511	0.451-0.571
Styrene	12.24	10.13	1.208	ok	1.208	1.148-1.268
1,1,1-Trichloroethane	3.92	3.27	1.199	ok	1.196	1.136-1.256
1,1,1,2-Tetrachloroethane	10.22	10.13	1.009	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	12.47	10.13	1.231	ok	1.231	1.171-1.291
1,1,2-Trichloroethane	6.90	4.55	1.516	ok	1.515	1.455-1.575
1,2,4-Trichlorobenzene	18.35	10.13	1.811	ok	1.813	1.753-1.873
1,2,3-Trichloropropane	12.75	10.13	1.259	ok	1.259	1.199-1.319
1,2,3-Trimethylbenzene	17.00	10.13	1.678	ok	1.679	1.619-1.739
1,2,4-Trimethylbenzene	16.59	10.13	1.638	ok	1.638	1.578-1.698
1,3,5-Trimethylbenzene	16.01	10.13	1.580	ok	1.581	1.521-1.641
2,2,4-Trimethylpentane	5.22	4.55	1.147	ok	1.147	1.087-1.207
Tertiary Butyl Alcohol	2.41	3.27	0.737	ok	0.743	0.683-0.803
Tetrachloroethylene	9.00	4.55	1.978	ok	1.977	1.917-2.037
Tetrahydrofuran	3.55	3.27	1.086	ok	1.091	1.031-1.151
Toluene	7.27	4.55	1.598	ok	1.596	1.536-1.656
Trichloroethylene	5.13	4.55	1.127	ok	1.126	1.066-1.186
Trichlorofluoromethane	2.19	3.27	0.670	ok	0.669	0.609-0.729
Vinyl chloride	1.79	3.27	0.547	ok	0.547	0.487-0.607
Vinyl Acetate	2.90	3.27	0.887	ok	0.888	0.828-0.948
m,p-Xylene	11.52	10.13	1.137	ok	1.137	1.077-1.197
o-Xylene	12.46	10.13	1.230	ok	1.229	1.169-1.289
TVHC As Equiv Pentane	2.30	10.13	0.227	ok	0.227	0.167-0.287

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.27	ok	3.27	2.94-3.60	78494	ok	80511	48307-112715
1,4-Difluorobenzene	4.55	ok	4.55	4.22-4.88	389657	ok	406483	243890-569076
Chlorobenzene-D5	10.13	ok	10.12	9.79-10.45	345790	ok	359712	215827-503597

Surrogate Recovery Summary

Job Number: JE2490
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Method: TO-15 **Matrix:** AIR

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1
JE2490-1	5W55790.D	113
JE2490-1	5W55830.D	112
JE2490-2	5W55792.D	111
JE2490-2	5W55791.D	113
JE2490-3	5W55793.D	118
JE2490-4	5W55721.D	110
JE2490-4	5W55794.D	109
JE2315-1DUP	5W55826.D	109
JE2488-2DUP	5W55717.D	106
JE2665-1DUP	5W55785.D	113
V5W2133-BS	5W55701.D	100
V5W2133-BSD	5W55703.D	99
V5W2133-MB	5W55706.D	110
V5W2136-BS	5W55779.D	101
V5W2136-BSD	5W55781.D	99
V5W2136-MB	5W55783.D	111
V5W2138-BS	5W55820.D	101
V5W2138-BSD	5W55821.D	100
V5W2138-MB	5W55823.D	109
V7W387-SCC	7W10605.D	85
V7W387-BS	7W10577.D	93
V7W387-BSD	7W10578.D	94
V7W387-MB	7W10580.D	88

Surrogate Compounds	Recovery Limits
S1 = 4-Bromofluorobenzene	65-128%

Initial Calibration Summary

Job Number: JE2490
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample: V5W2125-ICC2125
Lab FileID: 5W55466.D

Response Factor Report GCMS5W

Method : C:\msdchem\1\methods\M5w2125.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

Calibration Files
0.04=5w55459.D 0.1 =5w55460.D 0.2 =5w55461.D 0.5 =5w55463.D
5 =5w55464.D 10 =5w55466.D 20 =5w55467.D 40 =5w55468.D
50 =5w55469.D =

Compound	0.04	0.1	0.2	0.5	5	10	20	40	50	Avg	%RSD
1) I BROMOCHLOROMETHANE	----------ISTD----------										
2) FREON 115	1.494	1.548	1.299	1.657	0.642	1.669	1.274			1.369	26.06
3) FREON 152A	0.717	0.684	0.712	0.756	0.789	0.758	0.757	0.760	0.726	0.740	4.36
4) CHLORODIFLUOROMETHANE	0.279	0.341	0.371	0.394	0.410	0.406	0.414	0.428	0.410	0.384	12.27
5) CHLOROTRIFLUOROETHENE	1.677	1.542	1.642	1.717	1.772	1.742	1.780	1.866	1.846	1.732	5.86
6) DICHLORODIFLUOROMETHANE	3.513	3.536	3.550	3.840	3.911	3.777	3.705	3.640	3.418	3.654	4.52
7) PROPYLENE	1.224	1.033	0.862	0.907	0.898	0.861	0.861	0.849	0.788	0.920	14.31
8) 1-CHLORO-1,1-DIFLUOROETHANE	4.008	3.852	3.920	4.118	4.140	3.754	3.537	3.345	3.006	3.742	10.16
9) FREON 114	4.598	4.822	4.882	5.183	5.093	4.507	4.151	3.758	3.349	4.483	13.82
10) CHLOROMETHANE	0.398	0.543	0.544	0.546	0.525	0.463	0.435	0.413	0.375	0.471	14.66
11) VINYL CHLORIDE	1.756	1.727	1.812	1.894	1.887	1.639	1.511	1.406	1.304	1.659	12.74
12) 1,3-BUTADIENE	1.420	1.134	1.171	1.246	1.221	1.066	0.996	0.917	0.850	1.114	15.90
13) n-BUTANE	2.733	2.476	2.579	2.336	1.998	1.834	1.628	1.508		2.136	21.46
14) BROMOMETHANE	2.365	1.858	1.978	1.857	1.631	1.518	1.426	1.356		1.749	19.11
15) CHLOROETHANE	0.846	0.831	0.838	0.890	0.827	0.725	0.666	0.613	0.589	0.758	14.78
16) DICHLOROFLUOROMETHANE	4.518	4.122	4.054	4.299	4.145	3.576	3.289	2.965	2.768	3.748	16.61
17) ACETONITRILE	1.389	1.492	1.554	1.399	1.170	1.073	0.927	0.867		1.234	21.21
18) ACROLEIN	0.585	0.528	0.670	0.602	0.545	0.504	0.450	0.426		0.539	14.94
19) FREON 123	4.363	4.195	4.097	4.417	4.204	3.644	3.338	2.930	2.766	3.773	16.67
20) FREON 123A	2.136	2.135	2.173	2.278	2.198	1.969	1.835	1.696	1.633	2.006	11.66
21) TRICHLOROFLUOROMETHANE	3.235	3.373	3.388	3.743	3.622	3.391	3.312	3.257	3.072	3.377	5.98
22) ISOPROPYL ALCOHOL	2.807	2.426	2.240	1.968	2.127	2.047	1.877	1.627		2.140	16.83
23) ACETONE											

```
                    1.396 0.887 0.807 0.650 0.580 0.520         0.807   39.66
24)  PENTANE
          1.158 1.086 1.066 1.120 1.125 1.072 1.032 0.998 0.910   1.063    7.07
25)  IODOMETHANE
          2.569 2.613 2.606 2.878 2.919 2.955 2.917 2.964 2.934   2.817    5.97
26)  1,1-DICHLOROETHYLENE
          1.034 1.061 1.042 1.082 1.083 1.068 1.039 1.024 0.989   1.047    2.89
27)  CARBON DISULFIDE
          2.768 2.870 2.975 3.284 3.340 3.192 3.075 2.978 2.772   3.028    6.96
28)  ETHANOL
                         1.196 0.821 0.784 0.718 0.613 0.573   0.784   28.45
29)  BROMOETHENE
          1.456 1.481 1.563 1.690 1.665 1.516 1.423 1.332 1.280   1.490    9.22
30)  ACRYLONITRILE
                    1.768 0.744 0.807 0.673 0.649 0.638 0.587   0.838   49.71
31)  METHYLENE CHLORIDE
          1.174 1.115 1.079 1.161 1.090 1.020 0.970 0.937 0.893   1.049    9.49
32)  3-CHLOROPROPENE
          0.391 0.474 0.489 0.498 0.523 0.522 0.504 0.487 0.466   0.484    8.20
33)  FREON 113
          1.537 1.700 1.617 1.831 1.786 1.770 1.764 1.822 1.837   1.740    5.96
34)  TRANS-1,2-DICHLOROETHYLENE
          1.036 1.154 1.076 1.153 1.132 1.135 1.105 1.097 1.066   1.106    3.71
35)  TERTIARY BUTYL ALCOHOL
          1.734 1.833 1.823 2.144 2.079 2.269 2.216 2.116 1.901   2.013    9.58
36)  METHYL TERTIARY BUTYL ETHER
          2.586 2.482 2.471 2.912 3.070 3.107 3.054 2.981 2.851   2.835    9.02
37)  TETRAHYDROFURAN
               0.268 0.296 0.444 0.502 0.510 0.502 0.487 0.463   0.434   22.27
38)  HEXANE
          1.296 1.250 1.316 1.611 1.742 1.704 1.755 1.771 1.658   1.567   13.80
39)  VINYL ACETATE
                    0.064 0.147 0.204 0.201 0.211 0.216 0.211   0.179   31.12
40)  1,1-DICHLOROETHANE
          1.980 2.003 2.035 2.251 2.203 2.132 2.047 1.983 1.866   2.056    5.86
41)  METHYL ETHYL KETONE
               0.226 0.307 0.423 0.518 0.520 0.506 0.495 0.474   0.434   25.32
42)  cis-1,2-DICHLOROETHYLENE
          1.119 1.164 1.035 1.175 1.187 1.196 1.162 1.161 1.131   1.148    4.27
43)  DIISOPROPYL ETHER
               0.332 0.374 0.456 0.524 0.521 0.536 0.550 0.515   0.476   17.14
44)  ETHYL ACETATE
               0.149 0.238 0.333 0.367 0.378 0.372 0.373 0.350   0.320   25.97
45)  METHYL ACRYLATE
                    1.287 1.700 2.080 2.073 2.110 2.111 1.972   1.905   16.20
46)  CHLOROFORM
          2.397 2.484 2.543 2.896 2.724 2.637 2.549 2.497 2.378   2.567    6.38
47)  2,4-DIMETHYLPENTANE
          1.387 1.405 1.543 1.739 1.926 1.905 1.896 1.877 1.746   1.714   12.63
48)  1,1,1-TRICHLOROETHANE
          2.370 2.514 2.437 2.783 2.709 2.671 2.666 2.690 2.619   2.607    5.25
49)  CARBON TETRACHLORIDE
          2.346 2.488 2.550 2.864 2.899 2.882 2.913 2.946 2.904   2.755    8.25
50)  1,2-DICHLOROETHANE
          1.373 1.525 1.645 1.819 1.787 1.772 1.745 1.722 1.641   1.670    8.61

51) I   1,4-DIFLUOROBENZENE   ----------------ISTD----------------------
52)  BENZENE
          0.655 0.645 0.644 0.737 0.755 0.753 0.769 0.790 0.774   0.725    8.20
53)  CYCLOHEXANE
```

0.200 0.219 0.225 0.268 0.295 0.300 0.306 0.321 0.316 0.272 16.87

54) 2,3-DIMETHYLPENTANE
0.101 0.119 0.127 0.155 0.157 0.158 0.164 0.173 0.169 0.147 17.11

55) TRICHLOROETHYLENE
0.331 0.323 0.334 0.377 0.384 0.389 0.410 0.447 0.445 0.382 12.16

56) 1,2-DICHLOROPROPANE
0.286 0.277 0.285 0.308 0.316 0.310 0.323 0.339 0.325 0.308 6.82

57) DIBROMOMETHANE
0.426 0.344 0.344 0.324 0.336 0.350 0.376 0.422 0.444 0.374 12.09

58) ETHYL ACRYLATE
0.293 0.327 0.425 0.537 0.561 0.576 0.594 0.570 0.485 24.76

59) BROMODICHLOROMETHANE
0.528 0.553 0.564 0.687 0.693 0.702 0.732 0.780 0.764 0.667 14.17

60) 2,2,4-TRIMETHYLPENTANE
0.894 0.904 0.917 1.125 1.215 1.207 1.230 1.247 1.166 1.101 13.72

61) 1,4-DIOXANE
0.124 0.141 0.148 0.158 0.184 0.194 0.202 0.200 0.169 17.58

62) HEPTANE
0.329 0.307 0.322 0.389 0.422 0.415 0.425 0.439 0.412 0.384 13.26

63) METHYL METHACRYLATE
0.149 0.176 0.229 0.265 0.272 0.277 0.283 0.277 0.241 21.56

64) METHYL ISOBUTYL KETONE
0.119 0.139 0.183 0.226 0.232 0.241 0.254 0.245 0.205 25.18

65) cis-1,3-DICHLOROPROPENE
0.324 0.343 0.374 0.448 0.507 0.520 0.545 0.577 0.568 0.467 21.12

66) TOLUENE
0.383 0.404 0.414 0.463 0.537 0.553 0.573 0.618 0.617 0.507 18.24

67) 1,3-DICHLOROPROPANE
0.339 0.370 0.382 0.460 0.483 0.479 0.489 0.511 0.501 0.446 14.42

68) trans-1,3-DICHLOROPROPENE
0.254 0.279 0.336 0.398 0.473 0.498 0.523 0.557 0.553 0.430 27.23

69) 1,1,2-TRICHLOROETHANE
0.256 0.260 0.277 0.319 0.314 0.315 0.326 0.346 0.343 0.306 11.05

70) I CHLOROBENZENE-D5 ----------ISTD----------

71) 2-HEXANONE
0.233 0.325 0.443 0.585 0.591 0.574 0.531 0.493 0.472 27.90

72) ETHYL METHACRYLATE
0.415 0.468 0.656 0.845 0.850 0.822 0.760 0.710 0.691 24.40

73) TETRACHLOROETHYLENE
0.644 0.683 0.666 0.676 0.673 0.658 0.644 0.619 0.616 0.653 3.69

74) DIBROMOCHLOROMETHANE
0.715 0.842 0.873 1.176 1.250 1.246 1.218 1.142 1.097 1.062 18.77

75) 1,2-DIBROMOETHANE
0.681 0.799 0.823 0.977 0.995 0.980 0.942 0.883 0.846 0.881 11.86

76) OCTANE
0.700 0.733 0.747 0.900 1.071 1.044 0.998 0.900 0.813 0.878 15.80

77) 1,1,1,2-TETRACHLOROETHANE
0.577 0.692 0.702 0.776 0.792 0.785 0.781 0.758 0.737 0.733 9.39

78) CHLOROBENZENE
1.220 1.285 1.284 1.407 1.369 1.339 1.303 1.220 1.157 1.287 6.14

79) ETHYLBENZENE
1.583 1.594 1.630 1.933 2.151 2.119 2.023 1.847 1.714 1.844 12.18

80) m,p-XYLENE
0.513 0.551 0.573 0.732 0.835 0.816 0.797 0.756 0.725 0.700 17.44

81) o-XYLENE
0.477 0.543 0.547 0.725 0.824 0.797 0.781 0.731 0.687 0.679 18.53

82) STYRENE
0.623 0.702 0.741 0.933 1.219 1.207 1.173 1.109 1.059 0.974 23.89

83) NONANE

Initial Calibration Summary

Job Number: JE2490 **Sample:** V5W2125-ICC2125
Account: GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55466.D
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

```
           0.750 0.718 0.774 1.007 1.144 1.086 1.032 0.914 0.824   0.917   17.15
 84)  BROMOFORM
                       0.501 1.084 1.201 1.242 1.235 1.186 1.157   1.087   24.28
 85)  4-BROMOFLUOROBENZENE
           1.210 1.226 1.219 1.227 1.210 1.137 1.043 0.916 0.885   1.119   12.30
 86)  1,1,2,2-TETRACHLOROETHANE
           1.262 1.289 1.357 1.499 1.521 1.487 1.426 1.287 1.157   1.365    9.23
 87)  1,2,3-TRICHLOROPROPANE
           0.891 0.980 1.032 1.124 1.106 1.051 0.976 0.885 0.824   0.986   10.48
 88)  ISOPROPYLBENZENE
           1.803 1.855 1.905 2.266 2.459 2.358 2.258 2.075 1.932   2.101   11.45
 89)  BROMOBENZENE
           1.162 1.130 1.156 1.312 1.323 1.252 1.198 1.112 1.036   1.187    7.99
 90)  2-CHLOROTOLUENE
           0.374 0.427 0.468 0.553 0.625 0.600 0.581 0.563 0.547   0.526   16.03
 91)  n-PROPYLBENZENE
           0.347 0.392 0.455 0.569 0.653 0.631 0.605 0.582 0.561   0.533   20.36
 92)  4-ETHYLTOLUENE
           1.385 1.501 1.571 2.076 2.427 2.340 2.236 2.043 1.874   1.939   19.59
 93)  1,3,5-TRIMETHYLBENZENE
           1.141 1.303 1.374 1.843 2.053 1.974 1.882 1.739 1.609   1.657   19.36
 94)  ALPHA-METHYLSTYRENE
                       0.571 0.796 1.022 1.013 0.992 0.955 0.914   0.895   18.17
 95)  tert-BUTYLBENZENE
                  0.245 0.266 0.355 0.422 0.416 0.413 0.398 0.379   0.362   19.16
 96)  1,2,4-TRIMETHYLBENZENE
           1.221 1.230 1.427 1.913 2.186 2.127 2.062 1.835 1.650   1.739   21.59
 97)  m-DICHLOROBENZENE
           1.119 1.133 1.269 1.487 1.561 1.547 1.506 1.397 1.304   1.369   12.50
 98)  BENZYL CHLORIDE
                       1.375 1.687 2.118 2.187 2.134 1.891 1.674   1.866   16.21
 99)  p-DICHLOROBENZENE
           0.984 1.133 1.192 1.448 1.482 1.425 1.355 1.278 1.208   1.278   12.91
100)  sec-BUTYLBENZENE
           0.306 0.333 0.367 0.477 0.526 0.503 0.479 0.455 0.439   0.432   18.07
101)  1,2,3-TRIMETHYLBENZENE
           1.240 1.378 1.471 1.907 2.189 2.108 2.035 1.865 1.703   1.766   19.16
102)  p-ISOPROPYLTOLUENE
           0.336 0.381 0.413 0.572 0.621 0.592 0.575 0.554 0.522   0.507   20.35
103)  o-DICHLOROBENZENE
           1.043 1.139 1.204 1.380 1.413 1.355 1.280 1.216 1.156   1.243    9.94
104)  n-BUTYLBENZENE
           0.263 0.320 0.367 0.470 0.582 0.570 0.560 0.545 0.524   0.467   25.69
105)  HEXACHLOROETHANE
           0.643 0.685 0.711 0.955 1.031 1.027 1.003 0.931 0.846   0.870   17.76
106)  HEXACHLOROBUTADIENE
           1.035 0.992 0.972 1.094 1.175 1.345 1.383 1.333 1.195   1.169   13.47
107)  1,2,4-TRICHLOROBENZENE
                       0.916 0.940 1.038 1.217 1.230 1.238 1.173   1.107   12.67
108)  NAPHTHALENE
                       1.915 2.112 2.486 2.887 2.742 2.445         2.431   15.12

109) I   BROMOCHLOROMETHANE (A ----------------ISTD----------------------
110)  TVHC as equiv Pentane
           0.900 0.896 1.032 0.778 0.783 0.702 0.682 0.663 0.609   0.783 E1   17.50
 ---------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          M5w2125.M         Mon Dec 09 14:41:37 2024
```

Initial Calibration Verification

Job Number: JE2490 **Sample:** V5W2125-ICV2125
Account: GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55473.D
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\5w55473.D Vial: 5
Acq On : 9 Dec 2024 1:55 pm Operator: benk
Sample : icv2125-10 Inst : GCMS5W
Misc : MS74484,V5W2125,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P

Method : C:\msdchem\1\methods\M5w2125.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Dec 09 14:21:09 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 140%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	BROMOCHLOROMETHANE	1.000	1.000	0.0	108	0.00	7.67
2	FREON 115	1.369	1.550	-13.2	101	0.00	3.46
3	FREON 152A	0.740	0.662	10.5	95	0.00	3.55
4	CHLORODIFLUOROMETHANE	0.384	0.376	2.1	100	0.00	3.58
5	CHLOROTRIFLUOROETHENE	1.732	1.640	5.3	102	0.00	3.61
6	DICHLORODIFLUOROMETHANE	3.654	3.452	5.5	99	0.00	3.65
7	PROPYLENE	0.920	0.715	22.3	90	0.00	3.60
8	1-CHLORO-1,1-DIFLUOROETHA	3.742	3.499	6.5	101	0.00	3.75
9	FREON 114	4.483	4.285	4.4	103	0.00	3.84
10	CHLOROMETHANE	0.471	0.409	13.2	96	0.00	3.77
11	VINYL CHLORIDE	1.659	1.513	8.8	100	0.00	3.93
12	1,3-BUTADIENE	1.114	0.994	10.8	101	0.00	4.03
13	n-BUTANE	2.136	1.839	13.9	100	0.00	4.07
14	BROMOMETHANE	1.749	1.560	10.8	104	0.00	4.23
15	CHLOROETHANE	0.758	0.680	10.3	102	0.00	4.35
16	DICHLOROFLUOROMETHANE	3.748	3.432	8.4	104	0.00	4.42
17	ACETONITRILE	1.234	1.102	10.7	102	0.00	4.62
18	ACROLEIN	0.539	0.535	0.7	106	0.00	4.71
19	FREON 123	3.773	3.394	10.0	101	0.00	4.73
20	FREON 123A	2.006	1.773	11.6	98	0.00	4.78
21	TRICHLOROFLUOROMETHANE	3.377	3.288	2.6	105	0.00	4.94
22	ISOPROPYL ALCOHOL	2.140	1.917	10.4	98	0.00	5.03
23	ACETONE	0.807	0.603	25.3	101	0.00	4.82
24	PENTANE	1.063	0.903	15.1	91	0.00	5.23
25	IODOMETHANE	2.817	2.883	-2.3	106	0.00	5.42
26	1,1-DICHLOROETHYLENE	1.047	1.010	3.5	102	0.00	5.48
27	CARBON DISULFIDE	3.028	3.051	-0.8	104	0.00	5.85
28	ETHANOL	0.784	0.618	21.2	85	0.00	4.46
29	BROMOETHENE	1.490	1.474	1.1	105	0.00	4.62
30	ACRYLONITRILE	0.838	0.581	30.7#	93	0.00	5.20
31	METHYLENE CHLORIDE	1.049	0.953	9.2	101	0.00	5.59
32	3-CHLOROPROPENE	0.484	0.475	1.9	99	0.00	5.69
33	FREON 113	1.740	1.778	-2.2	109	0.00	5.82
34	TRANS-1,2-DICHLOROETHYLEN	1.106	1.077	2.6	103	0.00	6.45
35	TERTIARY BUTYL ALCOHOL	2.013	2.303	-14.4	110	0.00	5.55
36	METHYL TERTIARY BUTYL ETH	2.835	2.868	-1.2	100	0.00	6.71
37	TETRAHYDROFURAN	0.434	0.474	-9.2	101	0.00	8.24
38	HEXANE	1.567	1.462	6.7	93	0.00	7.71
39	VINYL ACETATE	0.179	0.199	-11.2	107	0.00	6.81
40	1,1-DICHLOROETHANE	2.056	1.875	8.8	95	0.00	6.65
41	METHYL ETHYL KETONE	0.434	0.464	-6.9	97	0.00	7.06
42	cis-1,2-DICHLOROETHYLENE	1.148	1.116	2.8	101	0.00	7.50

Initial Calibration Verification

Job Number: JE2490
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample: V5W2125-ICV2125
Lab FileID: 5W55473.D

43		DIISOPROPYL ETHER	0.476	0.459	3.6	95	0.00	7.72
44		ETHYL ACETATE	0.320	0.334	-4.4	96	0.00	7.75
45		METHYL ACRYLATE	1.905	1.852	2.8	97	0.00	7.73
46		CHLOROFORM	2.567	2.506	2.4	103	0.00	7.81
47		2,4-DIMETHYLPENTANE	1.714	1.678	2.1	95	0.00	8.67
48		1,1,1-TRICHLOROETHANE	2.607	2.588	0.7	105	0.00	8.87
49		CARBON TETRACHLORIDE	2.755	2.815	-2.2	106	0.00	9.57
50		1,2-DICHLOROETHANE	1.670	1.609	3.7	98	0.00	8.61
51	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	108	0.00	9.83
52		BENZENE	0.725	0.689	5.0	99	0.00	9.40
53		CYCLOHEXANE	0.272	0.278	-2.2	101	0.00	9.70
54		2,3-DIMETHYLPENTANE	0.147	0.145	1.4	99	0.00	10.00
55		TRICHLOROETHYLENE	0.382	0.366	4.2	102	0.00	10.65
56		1,2-DICHLOROPROPANE	0.308	0.279	9.4	98	0.00	10.36
57		DIBROMOMETHANE	0.374	0.353	5.6	109	0.00	10.34
58		ETHYL ACRYLATE	0.485	0.507	-4.5	98	0.00	10.42
59		BROMODICHLOROMETHANE	0.667	0.656	1.6	101	0.00	10.61
60		2,2,4-TRIMETHYLPENTANE	1.101	1.060	3.7	95	0.00	10.69
61		1,4-DIOXANE	0.169	0.178	-5.3	105	0.00	10.67
62		HEPTANE	0.384	0.358	6.8	93	0.00	11.03
63		METHYL METHACRYLATE	0.241	0.246	-2.1	98	0.00	10.94
64		METHYL ISOBUTYL KETONE	0.205	0.207	-1.0	97	0.00	11.79
65		cis-1,3-DICHLOROPROPENE	0.467	0.452	3.2	94	0.00	11.73
66		TOLUENE	0.507	0.517	-2.0	101	0.00	12.96
67		1,3-DICHLOROPROPANE	0.446	0.442	0.9	100	0.00	13.01
68		trans-1,3-DICHLOROPROPENE	0.430	0.457	-6.3	99	0.00	12.41
69		1,1,2-TRICHLOROETHANE	0.306	0.292	4.6	100	0.00	12.61
70	I	CHLOROBENZENE-D5	1.000	1.000	0.0	104	0.00	15.35
71		2-HEXANONE	0.472	0.552	-16.9	97	0.00	13.36
72		ETHYL METHACRYLATE	0.691	0.833	-20.5	102	0.00	13.39
73		TETRACHLOROETHYLENE	0.653	0.683	-4.6	108	0.00	14.47
74		DIBROMOCHLOROMETHANE	1.062	1.276	-20.2	107	0.00	13.51
75		1,2-DIBROMOETHANE	0.881	0.966	-9.6	103	0.00	13.82
76		OCTANE	0.878	0.935	-6.5	93	0.00	14.33
77		1,1,1,2-TETRACHLOROETHANE	0.733	0.802	-9.4	106	0.00	15.39
78		CHLOROBENZENE	1.287	1.323	-2.8	103	0.00	15.41
79		ETHYLBENZENE	1.844	2.064	-11.9	101	0.00	15.96
80		m,p-XYLENE	0.700	0.808	-15.4	103	0.00	16.23
81		o-XYLENE	0.679	0.778	-14.6	102	0.00	16.90
82		STYRENE	0.974	1.179	-21.0	102	0.00	16.75
83		NONANE	0.917	0.971	-5.9	93	0.00	17.31
84		BROMOFORM	1.087	1.261	-16.0	106	0.00	16.29
85	S	4-BROMOFLUOROBENZENE	1.119	1.167	-4.3	107	0.00	17.59
86		1,1,2,2-TETRACHLOROETHANE	1.365	1.407	-3.1	99	0.00	16.91
87		1,2,3-TRICHLOROPROPANE	0.986	1.011	-2.5	100	0.00	17.10
88		ISOPROPYLBENZENE	2.101	2.353	-12.0	104	0.00	17.81
89		BROMOBENZENE	1.187	1.216	-2.4	101	0.00	17.91
90		2-CHLOROTOLUENE	0.526	0.618	-17.5	107	0.00	18.55
91		n-PROPYLBENZENE	0.533	0.636	-19.3	105	0.00	18.64
92		4-ETHYLTOLUENE	1.939	2.292	-18.2	102	0.00	18.88
93		1,3,5-TRIMETHYLBENZENE	1.657	1.939	-17.0	102	0.00	19.01
94		ALPHA-METHYLSTYRENE	0.895	1.017	-13.6	105	0.00	19.26
95		tert-BUTYLBENZENE	0.362	0.426	-17.7	107	0.00	19.61
96		1,2,4-TRIMETHYLBENZENE	1.739	2.096	-20.5	103	0.00	19.63
97		m-DICHLOROBENZENE	1.369	1.565	-14.3	105	0.00	19.82
98		BENZYL CHLORIDE	1.866	2.201	-18.0	105	0.00	19.81
99		p-DICHLOROBENZENE	1.278	1.435	-12.3	105	0.00	19.92
100		sec-BUTYLBENZENE	0.432	0.513	-18.8	106	0.00	20.02

Initial Calibration Verification

Job Number: JE2490 **Sample:** V5W2125-ICV2125
Account: GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55473.D
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

101		1,2,3-TRIMETHYLBENZENE	1.766	2.098	-18.8	104	0.00	20.23
102		p-ISOPROPYLTOLUENE	0.507	0.615	-21.3	108	0.00	20.26
103		o-DICHLOROBENZENE	1.243	1.380	-11.0	106	0.00	20.41
104		n-BUTYLBENZENE	0.467	0.577	-23.6	105	0.00	20.85
105		HEXACHLOROETHANE	0.870	0.978	-12.4	99	0.00	21.32
106		HEXACHLOROBUTADIENE	1.169	1.383	-18.3	107	0.00	23.37
107		1,2,4-TRICHLOROBENZENE	1.107	1.294	-16.9	111	0.00	23.22
108		NAPHTHALENE	2.431	3.137	-29.0	113	0.00	22.88
109	I	BROMOCHLOROMETHANE (A)	1.000	1.000	0.0	108	0.00	7.67
110		TVHC as equiv Pentane	7.828	6.032	22.9	93	0.00	5.23

(#) = Out of Range SPCC's out = 0 CCC's out = 0
5w55466.D M5w2125.M Mon Dec 09 14:42:33 2024

Continuing Calibration Summary

Job Number: JE2490 **Sample:** V5W2133-CC2125
Account: GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55700.D
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\g...024\V5W2133\5w55700.D Vial: 1
Acq On : 17 Dec 2024 8:32 pm Operator: thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P

Method : C:\msdchem\1\methods\M5w2125.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Dec 09 14:21:09 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 140%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	BROMOCHLOROMETHANE	1.000	1.000	0.0	84	0.00	7.67
2	FREON 115	1.369	1.616	-18.0	81	0.00	3.47
3	FREON 152A	0.740	0.821	-10.9	91	0.00	3.55
4	CHLORODIFLUOROMETHANE	0.384	0.465	-21.1	96	0.00	3.58
5	CHLOROTRIFLUOROETHENE	1.732	1.629	5.9	78	0.00	3.61
6	DICHLORODIFLUOROMETHANE	3.654	4.113	-12.6	91	0.00	3.66
7	PROPYLENE	0.920	1.032	-12.2	100	0.00	3.60
8	1-CHLORO-1,1-DIFLUOROETHA	3.742	4.360	-16.5	97	0.00	3.75
9	FREON 114	4.483	4.805	-7.2	89	0.00	3.84
10	CHLOROMETHANE	0.471	0.474	-0.6	86	0.00	3.77
11	VINYL CHLORIDE	1.659	1.714	-3.3	87	0.00	3.93
12	1,3-BUTADIENE	1.114	1.073	3.7	84	0.00	4.03
13	n-BUTANE	2.136	2.200	-3.0	92	0.00	4.07
14	BROMOMETHANE	1.749	1.690	3.4	87	0.00	4.23
15	CHLOROETHANE	0.758	0.740	2.4	85	0.00	4.35
16	DICHLOROFLUOROMETHANE	3.748	3.935	-5.0	92	0.00	4.42
17	ACETONITRILE	1.234	1.331	-7.9	95	0.00	4.62
18	ACROLEIN	0.539	0.585	-8.5	90	0.00	4.71
19	FREON 123	3.773	4.021	-6.6	92	0.00	4.73
20	FREON 123A	2.006	2.013	-0.3	85	0.00	4.78
21	TRICHLOROFLUOROMETHANE	3.377	3.683	-9.1	91	0.00	4.94
22	ISOPROPYL ALCOHOL	2.140	2.334	-9.1	92	0.00	5.03
23	ACETONE	0.807	0.651	19.3	84	0.00	4.82
24	PENTANE	1.063	1.238	-16.5	96	0.00	5.23
25	IODOMETHANE	2.817	3.362	-19.3	95	0.00	5.42
26	1,1-DICHLOROETHYLENE	1.047	1.155	-10.3	90	0.00	5.48
27	CARBON DISULFIDE	3.028	3.682	-21.6	96	0.00	5.85
28	ETHANOL	0.784	0.789	-0.6	84	0.00	4.45
29	BROMOETHENE	1.490	1.544	-3.6	85	0.00	4.62
30	ACRYLONITRILE	0.838	0.729	13.0	91	0.00	5.20
31	METHYLENE CHLORIDE	1.049	1.130	-7.7	93	0.00	5.59
32	3-CHLOROPROPENE	0.484	0.599	-23.8	96	0.00	5.69
33	FREON 113	1.740	2.151	-23.6	102	0.00	5.82
34	TRANS-1,2-DICHLOROETHYLEN	1.106	1.218	-10.1	90	0.00	6.45
35	TERTIARY BUTYL ALCOHOL	2.013	2.534	-25.9	93	0.00	5.54
36	METHYL TERTIARY BUTYL ETH	2.835	3.531	-24.6	95	0.00	6.71
37	TETRAHYDROFURAN	0.434	0.582	-34.1#	95	0.00	8.24
38	HEXANE	1.567	1.867	-19.1	92	0.00	7.70
39	VINYL ACETATE	0.179	0.213	-19.0	89	0.00	6.81
40	1,1-DICHLOROETHANE	2.056	2.409	-17.2	94	0.00	6.65
41	METHYL ETHYL KETONE	0.434	0.591	-36.2#	95	0.00	7.05
42	cis-1,2-DICHLOROETHYLENE	1.148	1.282	-11.7	90	0.00	7.50

Continuing Calibration Summary

Job Number: JE2490 **Sample:** V5W2133-CC2125
Account: GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55700.D
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

43		DIISOPROPYL ETHER	0.476	0.568	-19.3	91	0.00	7.72
44		ETHYL ACETATE	0.320	0.430	-34.4#	95	0.00	7.75
45		METHYL ACRYLATE	1.905	2.409	-26.5	97	0.00	7.73
46		CHLOROFORM	2.567	3.047	-18.7	97	0.00	7.81
47		2,4-DIMETHYLPENTANE	1.714	2.103	-22.7	92	0.00	8.66
48		1,1,1-TRICHLOROETHANE	2.607	3.046	-16.8	95	0.00	8.87
49		CARBON TETRACHLORIDE	2.755	3.193	-15.9	93	0.00	9.57
50		1,2-DICHLOROETHANE	1.670	2.148	-28.6	101	0.00	8.60
51	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	87	0.00	9.83
52		BENZENE	0.725	0.806	-11.2	93	0.00	9.39
53		CYCLOHEXANE	0.272	0.313	-15.1	91	0.00	9.70
54		2,3-DIMETHYLPENTANE	0.147	0.171	-16.3	95	0.00	10.00
55		TRICHLOROETHYLENE	0.382	0.406	-6.3	91	0.00	10.65
56		1,2-DICHLOROPROPANE	0.308	0.329	-6.8	93	0.00	10.35
57		DIBROMOMETHANE	0.374	0.462	-23.5	115	0.00	10.33
58		ETHYL ACRYLATE	0.485	0.633	-30.5#	99	0.00	10.41
59		BROMODICHLOROMETHANE	0.667	0.790	-18.4	98	0.00	10.60
60		2,2,4-TRIMETHYLPENTANE	1.101	1.269	-15.3	92	0.00	10.68
61		1,4-DIOXANE	0.169	0.189	-11.8	90	0.00	10.67
62		HEPTANE	0.384	0.476	-24.0	100	0.00	11.03
63		METHYL METHACRYLATE	0.241	0.303	-25.7	97	0.00	10.94
64		METHYL ISOBUTYL KETONE	0.205	0.248	-21.0	93	0.00	11.79
65		cis-1,3-DICHLOROPROPENE	0.467	0.570	-22.1	96	0.00	11.72
66		TOLUENE	0.507	0.551	-8.7	87	0.00	12.96
67		1,3-DICHLOROPROPANE	0.446	0.516	-15.7	94	0.00	13.00
68		trans-1,3-DICHLOROPROPENE	0.430	0.542	-26.0	95	0.00	12.40
69		1,1,2-TRICHLOROETHANE	0.306	0.338	-10.5	94	0.00	12.61
70	I	CHLOROBENZENE-D5	1.000	1.000	0.0	95	0.00	15.35
71		2-HEXANONE	0.472	0.575	-21.8	92	0.00	13.36
72		ETHYL METHACRYLATE	0.691	0.859	-24.3	96	0.00	13.39
73		TETRACHLOROETHYLENE	0.653	0.715	-9.5	103	0.00	14.47
74		DIBROMOCHLOROMETHANE	1.062	1.099	-3.5	84	0.00	13.51
75		1,2-DIBROMOETHANE	0.881	0.901	-2.3	87	0.00	13.82
76		OCTANE	0.878	1.107	-26.1	101	0.00	14.32
77		1,1,1,2-TETRACHLOROETHANE	0.733	0.698	4.8	84	0.00	15.39
78		CHLOROBENZENE	1.287	1.199	6.8	85	0.00	15.40
79		ETHYLBENZENE	1.844	2.000	-8.5	89	0.00	15.96
80		m,p-XYLENE	0.700	0.722	-3.1	84	0.00	16.23
81		o-XYLENE	0.679	0.712	-4.9	85	0.00	16.90
82		STYRENE	0.974	1.083	-11.2	85	0.00	16.75
83		NONANE	0.917	1.169	-27.5	102	0.00	17.31
84		BROMOFORM	1.087	1.501	-38.1#	115	0.00	16.29
85	S	4-BROMOFLUOROBENZENE	1.119	1.131	-1.1	94	0.00	17.59
86		1,1,2,2-TETRACHLOROETHANE	1.365	1.454	-6.5	93	0.00	16.90
87		1,2,3-TRICHLOROPROPANE	0.986	1.059	-7.4	95	0.00	17.10
88		ISOPROPYLBENZENE	2.101	2.126	-1.2	85	0.00	17.81
89		BROMOBENZENE	1.187	1.257	-5.9	95	0.00	17.90
90		2-CHLOROTOLUENE	0.526	0.529	-0.6	84	0.00	18.55
91		n-PROPYLBENZENE	0.533	0.549	-3.0	82	0.00	18.63
92		4-ETHYLTOLUENE	1.939	2.116	-9.1	86	0.00	18.88
93		1,3,5-TRIMETHYLBENZENE	1.657	1.768	-6.7	85	0.00	19.01
94		ALPHA-METHYLSTYRENE	0.895	0.874	2.3	82	0.00	19.25
95		tert-BUTYLBENZENE	0.362	0.355	1.9	81	0.00	19.61
96		1,2,4-TRIMETHYLBENZENE	1.739	1.921	-10.5	86	0.00	19.62
97		m-DICHLOROBENZENE	1.369	1.467	-7.2	90	0.00	19.81
98		BENZYL CHLORIDE	1.866	2.070	-10.9	90	0.00	19.81
99		p-DICHLOROBENZENE	1.278	1.361	-6.5	91	0.00	19.92
100		sec-BUTYLBENZENE	0.432	0.431	0.2	81	0.00	20.01

Continuing Calibration Summary

Job Number: JE2490 **Sample:** V5W2133-CC2125
Account: GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55700.D
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

101		1,2,3-TRIMETHYLBENZENE	1.766	1.920	-8.7	86	0.00	20.23
102		p-ISOPROPYLTOLUENE	0.507	0.506	0.2	81	0.00	20.26
103		o-DICHLOROBENZENE	1.243	1.301	-4.7	91	0.00	20.40
104		n-BUTYLBENZENE	0.467	0.491	-5.1	82	0.00	20.85
105		HEXACHLOROETHANE	0.870	0.996	-14.5	92	0.00	21.32
106		HEXACHLOROBUTADIENE	1.169	1.903	-62.8#	134	0.00	23.36
107		1,2,4-TRICHLOROBENZENE	1.107	1.545	-39.6#	120	0.00	23.21
108		NAPHTHALENE	2.431	2.518	-3.6	83	0.00	22.88
109	I	BROMOCHLOROMETHANE (A)	1.000	1.000	0.0	84	0.00	7.67
110		TVHC as equiv Pentane	7.828	8.146	-4.1	97	0.00	5.23

(#) = Out of Range SPCC's out = 0 CCC's out = 0
5w55466.D M5w2125.M Wed Dec 18 19:06:51 2024

Continuing Calibration Summary

Job Number: JE2490 **Sample:** V5W2136-CC2125
Account: GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55778.D
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\l...024\v5w2136\5w55778.D Vial: 1
Acq On : 20 Dec 2024 1:06 pm Operator: thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2136,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P

Method : C:\msdchem\1\methods\M5w2125.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Dec 09 14:21:09 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 140%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	BROMOCHLOROMETHANE	1.000	1.000	0.0	94	0.00	7.67
2	FREON 115	1.369	1.829	-33.6#	103	0.00	3.47
3	FREON 152A	0.740	0.932	-25.9	116	0.00	3.55
4	CHLORODIFLUOROMETHANE	0.384	0.479	-24.7	111	0.00	3.58
5	CHLOROTRIFLUOROETHENE	1.732	1.952	-12.7	105	0.00	3.61
6	DICHLORODIFLUOROMETHANE	3.654	4.366	-19.5	109	0.00	3.66
7	PROPYLENE	0.920	1.099	-19.5	120	0.00	3.60
8	1-CHLORO-1,1-DIFLUOROETHA	3.742	3.584	4.2	90	0.00	3.75
9	FREON 114	4.483	4.024	10.2	84	0.00	3.85
10	CHLOROMETHANE	0.471	0.387	17.8	79	0.00	3.77
11	VINYL CHLORIDE	1.659	1.396	15.9	80	0.00	3.93
12	1,3-BUTADIENE	1.114	0.866	22.3	76	0.00	4.03
13	n-BUTANE	2.136	1.749	18.1	82	0.00	4.07
14	BROMOMETHANE	1.749	1.427	18.4	82	0.00	4.23
15	CHLOROETHANE	0.758	0.620	18.2	80	0.00	4.35
16	DICHLOROFLUOROMETHANE	3.748	3.212	14.3	84	0.00	4.42
17	ACETONITRILE	1.234	1.053	14.7	85	0.00	4.62
18	ACROLEIN	0.539	0.472	12.4	81	0.00	4.71
19	FREON 123	3.773	3.371	10.7	87	0.00	4.73
20	FREON 123A	2.006	1.770	11.8	85	0.00	4.78
21	TRICHLOROFLUOROMETHANE	3.377	3.737	-10.7	104	0.00	4.95
22	ISOPROPYL ALCOHOL	2.140	2.377	-11.1	105	0.00	5.03
23	ACETONE	0.807	0.548	32.1#	79	0.00	4.82
24	PENTANE	1.063	1.235	-16.2	108	0.00	5.23
25	IODOMETHANE	2.817	3.398	-20.6	108	0.00	5.42
26	1,1-DICHLOROETHYLENE	1.047	1.167	-11.5	103	0.00	5.48
27	CARBON DISULFIDE	3.028	3.654	-20.7	108	0.00	5.85
28	ETHANOL	0.784	0.638	18.6	77	0.00	4.46
29	BROMOETHENE	1.490	1.362	8.6	84	0.00	4.62
30	ACRYLONITRILE	0.838	0.730	12.9	102	0.00	5.20
31	METHYLENE CHLORIDE	1.049	1.120	-6.8	103	0.00	5.59
32	3-CHLOROPROPENE	0.484	0.603	-24.6	109	0.00	5.69
33	FREON 113	1.740	2.168	-24.6	115	0.00	5.82
34	TRANS-1,2-DICHLOROETHYLEN	1.106	1.253	-13.3	104	0.00	6.45
35	TERTIARY BUTYL ALCOHOL	2.013	2.456	-22.0	102	0.00	5.55
36	METHYL TERTIARY BUTYL ETH	2.835	3.568	-25.9	108	0.00	6.71
37	TETRAHYDROFURAN	0.434	0.590	-35.9#	109	0.00	8.24
38	HEXANE	1.567	1.823	-16.3	101	0.00	7.70
39	VINYL ACETATE	0.179	0.228	-27.4	107	0.00	6.81
40	1,1-DICHLOROETHANE	2.056	2.378	-15.7	105	0.00	6.65
41	METHYL ETHYL KETONE	0.434	0.587	-35.3#	106	0.00	7.06
42	cis-1,2-DICHLOROETHYLENE	1.148	1.297	-13.0	102	0.00	7.50

Continuing Calibration Summary

Job Number: JE2490 **Sample:** V5W2136-CC2125
Account: GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55778.D
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

43		DIISOPROPYL ETHER	0.476	0.554	-16.4	100	0.00	7.71
44		ETHYL ACETATE	0.320	0.422	-31.9#	105	0.00	7.75
45		METHYL ACRYLATE	1.905	2.323	-21.9	105	0.00	7.73
46		CHLOROFORM	2.567	3.017	-17.5	108	0.00	7.81
47		2,4-DIMETHYLPENTANE	1.714	2.099	-22.5	104	0.00	8.66
48		1,1,1-TRICHLOROETHANE	2.607	3.007	-15.3	106	0.00	8.87
49		CARBON TETRACHLORIDE	2.755	3.201	-16.2	104	0.00	9.57
50		1,2-DICHLOROETHANE	1.670	2.039	-22.1	108	0.00	8.60
51	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	97	0.00	9.83
52		BENZENE	0.725	0.830	-14.5	107	0.00	9.39
53		CYCLOHEXANE	0.272	0.322	-18.4	104	0.00	9.69
54		2,3-DIMETHYLPENTANE	0.147	0.178	-21.1	110	0.00	10.00
55		TRICHLOROETHYLENE	0.382	0.410	-7.3	103	0.00	10.65
56		1,2-DICHLOROPROPANE	0.308	0.331	-7.5	104	0.00	10.36
57		DIBROMOMETHANE	0.374	0.489	-30.7#	136	0.00	10.33
58		ETHYL ACRYLATE	0.485	0.624	-28.7	108	0.00	10.41
59		BROMODICHLOROMETHANE	0.667	0.781	-17.1	108	0.00	10.60
60		2,2,4-TRIMETHYLPENTANE	1.101	1.253	-13.8	101	0.00	10.68
61		1,4-DIOXANE	0.169	0.194	-14.8	103	0.00	10.67
62		HEPTANE	0.384	0.465	-21.1	109	0.00	11.03
63		METHYL METHACRYLATE	0.241	0.301	-24.9	107	0.00	10.94
64		METHYL ISOBUTYL KETONE	0.205	0.245	-19.5	103	0.00	11.79
65		cis-1,3-DICHLOROPROPENE	0.467	0.577	-23.6	108	0.00	11.72
66		TOLUENE	0.507	0.570	-12.4	100	0.00	12.96
67		1,3-DICHLOROPROPANE	0.446	0.527	-18.2	107	0.00	13.00
68		trans-1,3-DICHLOROPROPENE	0.430	0.552	-28.4	108	0.00	12.40
69		1,1,2-TRICHLOROETHANE	0.306	0.342	-11.8	106	0.00	12.61
70	I	CHLOROBENZENE-D5	1.000	1.000	0.0	102	0.00	15.34
71		2-HEXANONE	0.472	0.590	-25.0	102	0.00	13.36
72		ETHYL METHACRYLATE	0.691	0.888	-28.5	107	0.00	13.39
73		TETRACHLOROETHYLENE	0.653	0.765	-17.2	119	0.00	14.47
74		DIBROMOCHLOROMETHANE	1.062	1.166	-9.8	96	0.00	13.51
75		1,2-DIBROMOETHANE	0.881	0.954	-8.3	100	0.00	13.82
76		OCTANE	0.878	1.110	-26.4	109	0.00	14.33
77		1,1,1,2-TETRACHLOROETHANE	0.733	0.745	-1.6	97	0.00	15.38
78		CHLOROBENZENE	1.287	1.273	1.1	97	0.00	15.40
79		ETHYLBENZENE	1.844	2.107	-14.3	102	0.00	15.96
80		m,p-XYLENE	0.700	0.767	-9.6	96	0.00	16.23
81		o-XYLENE	0.679	0.738	-8.7	95	0.00	16.90
82		STYRENE	0.974	1.159	-19.0	98	0.00	16.75
83		NONANE	0.917	1.158	-26.3	109	0.00	17.31
84		BROMOFORM	1.087	1.585	-45.8#	131	0.00	16.29
85	S	4-BROMOFLUOROBENZENE	1.119	1.126	-0.6	101	0.00	17.59
86		1,1,2,2-TETRACHLOROETHANE	1.365	1.462	-7.1	101	0.00	16.90
87		1,2,3-TRICHLOROPROPANE	0.986	1.085	-10.0	106	0.00	17.09
88		ISOPROPYLBENZENE	2.101	2.267	-7.9	98	0.00	17.81
89		BROMOBENZENE	1.187	1.300	-9.5	106	0.00	17.90
90		2-CHLOROTOLUENE	0.526	0.579	-10.1	99	0.00	18.55
91		n-PROPYLBENZENE	0.533	0.597	-12.0	97	0.00	18.63
92		4-ETHYLTOLUENE	1.939	2.252	-16.1	99	0.00	18.88
93		1,3,5-TRIMETHYLBENZENE	1.657	1.875	-13.2	97	0.00	19.01
94		ALPHA-METHYLSTYRENE	0.895	0.944	-5.5	95	0.00	19.26
95		tert-BUTYLBENZENE	0.362	0.386	-6.6	95	0.00	19.61
96		1,2,4-TRIMETHYLBENZENE	1.739	1.990	-14.4	96	0.00	19.62
97		m-DICHLOROBENZENE	1.369	1.526	-11.5	101	0.00	19.81
98		BENZYL CHLORIDE	1.866	2.075	-11.2	97	0.00	19.81
99		p-DICHLOROBENZENE	1.278	1.443	-12.9	104	0.00	19.92
100		sec-BUTYLBENZENE	0.432	0.467	-8.1	95	0.00	20.01

Continuing Calibration Summary

Job Number: JE2490 **Sample:** V5W2136-CC2125
Account: GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55778.D
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

101		1,2,3-TRIMETHYLBENZENE	1.766	2.014	-14.0	98	0.00	20.23
102		p-ISOPROPYLTOLUENE	0.507	0.547	-7.9	95	0.00	20.26
103		o-DICHLOROBENZENE	1.243	1.375	-10.6	104	0.00	20.40
104		n-BUTYLBENZENE	0.467	0.543	-16.3	97	0.00	20.85
105		HEXACHLOROETHANE	0.870	1.021	-17.4	102	0.00	21.31
106		HEXACHLOROBUTADIENE	1.169	2.077	-77.7#	158#	-0.12	23.25
107		1,2,4-TRICHLOROBENZENE	1.107	1.741	-57.3#	146#	-0.10	23.12
108		NAPHTHALENE	2.431	2.784	-14.5	99	-0.09	22.80
109	I	BROMOCHLOROMETHANE (A)	1.000	1.000	0.0	94	0.00	7.67
110		TVHC as equiv Pentane	7.828	7.982	-2.0	107	0.00	5.23

(#) = Out of Range SPCC's out = 0 CCC's out = 0
5w55466.D M5w2125.M Mon Dec 23 07:14:11 2024

Continuing Calibration Summary

Job Number: JE2490 **Sample:** V5W2138-CC2125
Account: GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55819.D
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\g...024\V5w2138\5w55819.D Vial: 1
Acq On : 23 Dec 2024 9:11 am Operator: thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P

Method : C:\msdchem\1\methods\M5w2125.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Dec 09 14:21:09 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 140%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	BROMOCHLOROMETHANE	1.000	1.000	0.0	78	0.00	7.67
2	FREON 115	1.369	1.576	-15.1	73	0.00	3.47
3	FREON 152A	0.740	0.755	-2.0	77	0.00	3.55
4	CHLORODIFLUOROMETHANE	0.384	0.424	-10.4	81	0.00	3.58
5	CHLOROTRIFLUOROETHENE	1.732	1.650	4.7	73	0.00	3.61
6	DICHLORODIFLUOROMETHANE	3.654	3.849	-5.3	79	0.00	3.66
7	PROPYLENE	0.920	0.899	2.3	81	0.00	3.60
8	1-CHLORO-1,1-DIFLUOROETHA	3.742	4.017	-7.3	83	0.00	3.75
9	FREON 114	4.483	4.880	-8.9	84	0.00	3.84
10	CHLOROMETHANE	0.471	0.457	3.0	77	0.00	3.77
11	VINYL CHLORIDE	1.659	1.758	-6.0	83	0.00	3.93
12	1,3-BUTADIENE	1.114	1.101	1.2	80	0.00	4.03
13	n-BUTANE	2.136	2.183	-2.2	85	0.00	4.07
14	BROMOMETHANE	1.749	1.720	1.7	82	0.00	4.23
15	CHLOROETHANE	0.758	0.767	-1.2	82	0.00	4.35
16	DICHLOROFLUOROMETHANE	3.748	3.850	-2.7	83	0.00	4.42
17	ACETONITRILE	1.234	1.281	-3.8	85	0.00	4.62
18	ACROLEIN	0.539	0.573	-6.3	82	0.00	4.71
19	FREON 123	3.773	3.934	-4.3	84	0.00	4.73
20	FREON 123A	2.006	2.004	0.1	79	0.00	4.78
21	TRICHLOROFLUOROMETHANE	3.377	3.559	-5.4	81	0.00	4.94
22	ISOPROPYL ALCOHOL	2.140	2.115	1.2	77	-0.01	5.02
23	ACETONE	0.807	0.643	20.3	77	0.00	4.82
24	PENTANE	1.063	1.069	-0.6	77	0.00	5.23
25	IODOMETHANE	2.817	3.248	-15.3	85	0.00	5.41
26	1,1-DICHLOROETHYLENE	1.047	1.054	-0.7	77	0.00	5.48
27	CARBON DISULFIDE	3.028	3.246	-7.2	79	0.00	5.85
28	ETHANOL	0.784	0.816	-4.1	81	0.00	4.45
29	BROMOETHENE	1.490	1.553	-4.2	79	0.00	4.62
30	ACRYLONITRILE	0.838	0.640	23.6	74	0.00	5.20
31	METHYLENE CHLORIDE	1.049	1.011	3.6	77	0.00	5.59
32	3-CHLOROPROPENE	0.484	0.533	-10.1	79	0.00	5.69
33	FREON 113	1.740	2.113	-21.4	93	0.00	5.82
34	TRANS-1,2-DICHLOROETHYLEN	1.106	1.113	-0.6	76	0.00	6.45
35	TERTIARY BUTYL ALCOHOL	2.013	2.233	-10.9	76	0.00	5.54
36	METHYL TERTIARY BUTYL ETH	2.835	3.237	-14.2	81	-0.01	6.70
37	TETRAHYDROFURAN	0.434	0.537	-23.7	82	-0.01	8.23
38	HEXANE	1.567	1.618	-3.3	74	0.00	7.70
39	VINYL ACETATE	0.179	0.207	-15.6	80	0.00	6.80
40	1,1-DICHLOROETHANE	2.056	2.126	-3.4	77	0.00	6.64
41	METHYL ETHYL KETONE	0.434	0.541	-24.7	81	0.00	7.05
42	cis-1,2-DICHLOROETHYLENE	1.148	1.169	-1.8	76	0.00	7.49

Continuing Calibration Summary

Job Number: JE2490 **Sample:** V5W2138-CC2125
Account: GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55819.D
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

43		DIISOPROPYL ETHER	0.476	0.509	-6.9	76	0.00	7.71
44		ETHYL ACETATE	0.320	0.366	-14.4	75	0.00	7.74
45		METHYL ACRYLATE	1.905	2.072	-8.8	78	0.00	7.73
46		CHLOROFORM	2.567	2.723	-6.1	80	0.00	7.80
47		2,4-DIMETHYLPENTANE	1.714	1.853	-8.1	75	0.00	8.66
48		1,1,1-TRICHLOROETHANE	2.607	2.720	-4.3	79	0.00	8.87
49		CARBON TETRACHLORIDE	2.755	2.922	-6.1	79	0.00	9.56
50		1,2-DICHLOROETHANE	1.670	1.865	-11.7	82	0.00	8.60
51	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	81	0.00	9.83
52		BENZENE	0.725	0.750	-3.4	80	0.00	9.39
53		CYCLOHEXANE	0.272	0.299	-9.9	80	0.00	9.69
54		2,3-DIMETHYLPENTANE	0.147	0.161	-9.5	82	0.00	9.99
55		TRICHLOROETHYLENE	0.382	0.378	1.0	78	-0.01	10.64
56		1,2-DICHLOROPROPANE	0.308	0.300	2.6	78	0.00	10.35
57		DIBROMOMETHANE	0.374	0.481	-28.6	111	0.00	10.33
58		ETHYL ACRYLATE	0.485	0.554	-14.2	80	-0.01	10.40
59		BROMODICHLOROMETHANE	0.667	0.711	-6.6	82	0.00	10.60
60		2,2,4-TRIMETHYLPENTANE	1.101	1.115	-1.3	74	0.00	10.68
61		1,4-DIOXANE	0.169	0.178	-5.3	78	-0.01	10.66
62		HEPTANE	0.384	0.419	-9.1	81	0.00	11.02
63		METHYL METHACRYLATE	0.241	0.280	-16.2	83	0.00	10.93
64		METHYL ISOBUTYL KETONE	0.205	0.226	-10.2	79	-0.01	11.78
65		cis-1,3-DICHLOROPROPENE	0.467	0.529	-13.3	82	0.00	11.73
66		TOLUENE	0.507	0.535	-5.5	78	0.00	12.95
67		1,3-DICHLOROPROPANE	0.446	0.477	-7.0	80	-0.01	13.00
68		trans-1,3-DICHLOROPROPENE	0.430	0.501	-16.5	81	-0.01	12.40
69		1,1,2-TRICHLOROETHANE	0.306	0.311	-1.6	80	0.00	12.61
70	I	CHLOROBENZENE-D5	1.000	1.000	0.0	84	0.00	15.34
71		2-HEXANONE	0.472	0.549	-16.3	78	-0.01	13.35
72		ETHYL METHACRYLATE	0.691	0.834	-20.7	83	0.00	13.38
73		TETRACHLOROETHYLENE	0.653	0.781	-19.6	100	0.00	14.46
74		DIBROMOCHLOROMETHANE	1.062	1.117	-5.2	76	0.00	13.51
75		1,2-DIBROMOETHANE	0.881	0.882	-0.1	76	0.00	13.82
76		OCTANE	0.878	1.021	-16.3	82	0.00	14.33
77		1,1,1,2-TETRACHLOROETHANE	0.733	0.695	5.2	75	0.00	15.38
78		CHLOROBENZENE	1.287	1.192	7.4	75	0.00	15.40
79		ETHYLBENZENE	1.844	1.956	-6.1	78	0.00	15.95
80		m,p-XYLENE	0.700	0.737	-5.3	76	-0.02	16.21
81		o-XYLENE	0.679	0.710	-4.6	75	0.00	16.89
82		STYRENE	0.974	1.094	-12.3	76	0.00	16.75
83		NONANE	0.917	1.065	-16.1	83	0.00	17.30
84		BROMOFORM	1.087	1.581	-45.4#	107	0.00	16.28
85	S	4-BROMOFLUOROBENZENE	1.119	1.122	-0.3	83	0.00	17.59
86		1,1,2,2-TETRACHLOROETHANE	1.365	1.359	0.4	77	0.00	16.90
87		1,2,3-TRICHLOROPROPANE	0.986	0.985	0.1	79	0.00	17.09
88		ISOPROPYLBENZENE	2.101	2.132	-1.5	76	0.00	17.81
89		BROMOBENZENE	1.187	1.198	-0.9	81	0.00	17.90
90		2-CHLOROTOLUENE	0.526	0.533	-1.3	75	0.00	18.54
91		n-PROPYLBENZENE	0.533	0.564	-5.8	75	0.00	18.63
92		4-ETHYLTOLUENE	1.939	2.118	-9.2	76	0.00	18.88
93		1,3,5-TRIMETHYLBENZENE	1.657	1.783	-7.6	76	0.00	19.01
94		ALPHA-METHYLSTYRENE	0.895	0.906	-1.2	75	0.00	19.25
95		tert-BUTYLBENZENE	0.362	0.384	-6.1	78	0.00	19.61
96		1,2,4-TRIMETHYLBENZENE	1.739	1.930	-11.0	77	0.00	19.62
97		m-DICHLOROBENZENE	1.369	1.513	-10.5	83	0.00	19.81
98		BENZYL CHLORIDE	1.866	1.983	-6.3	76	0.00	19.81
99		p-DICHLOROBENZENE	1.278	1.411	-10.4	84	0.00	19.92
100		sec-BUTYLBENZENE	0.432	0.464	-7.4	78	0.00	20.01

Continuing Calibration Summary

Job Number: JE2490 **Sample:** V5W2138-CC2125
Account: GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55819.D
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

101		1,2,3-TRIMETHYLBENZENE	1.766	1.932	-9.4	77	0.00	20.23
102		p-ISOPROPYLTOLUENE	0.507	0.543	-7.1	77	0.00	20.26
103		o-DICHLOROBENZENE	1.243	1.346	-8.3	84	0.00	20.40
104		n-BUTYLBENZENE	0.467	0.532	-13.9	79	0.00	20.85
105		HEXACHLOROETHANE	0.870	0.986	-13.3	81	0.00	21.31
106		HEXACHLOROBUTADIENE	1.169	2.195	-87.8#	138	-0.12	23.25
107		1,2,4-TRICHLOROBENZENE	1.107	1.801	-62.7#	125	-0.10	23.12
108		NAPHTHALENE	2.431	2.697	-10.9	79	-0.09	22.80
109	I	BROMOCHLOROMETHANE (A)	1.000	1.000	0.0	78	0.00	7.67
110		TVHC as equiv Pentane	7.828	7.142	8.8	79	0.00	5.23

(#) = Out of Range SPCC's out = 0 CCC's out = 0
5w55466.D M5w2125.M Tue Dec 24 04:43:55 2024

Initial Calibration Summary

Job Number: JE2490 **Sample:** V7W305-ICC305
Account: GESNYP Groundwater & Environmental Services **Lab FileID:** 7W07980.D
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Response Factor Report MS7W

Method : C:\msdchem\1\methods\M7W305.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
Last Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

Calibration Files
0.04=7w07975.D 0.10=7w07976.D 0.20=7w07977.D 0.5 =7w07978.D
5.0 =7w07979.D 10 =7w07980.D 20 =7w07981.D 40 =7w07982.D
50 =7w07983.D =

Compound	0.04	0.10	0.20	0.5	5.0	10	20	40	50	Avg	%RSD
1) I BROMOCHLOROMETHANE	----------ISTD----------										
2) FREON 115	1.410	1.323	1.332	1.370	0.628	1.427	1.321	1.450		1.282	20.97
3) FREON 152A	0.766	0.691	0.666	0.702	0.665	0.692	0.673	0.681	0.695	0.692	4.39
4) CHLORODIFLUOROMETHANE	0.341	0.319	0.348	0.350	0.313	0.337	0.326	0.329	0.340	0.334	3.87
5) CHLOROTRIFLUOROETHENE	1.776	1.676	1.535	1.621	1.510	1.603	1.570	1.636	1.676	1.623	5.00
6) DICHLORODIFLUOROMETHANE	3.889	3.781	3.954	3.963	3.920	4.135	4.066	4.167	4.214	4.010	3.59
7) PROPYLENE	1.094	1.136	0.965	0.913	0.864	0.902	0.889	0.913	0.948	0.958	9.85
8) 1-CHLORO-1,1-DIFLUOROETHANE	3.272	3.202	3.328	3.433	3.252	3.450	3.399	3.437	3.443	3.357	2.85
9) FREON 114	3.127	3.393	3.214	3.441	3.334	3.519	3.484	3.579	3.609	3.411	4.77
10) CHLOROMETHANE	0.752	0.540	0.501	0.489	0.467	0.488	0.475	0.483	0.479	0.519	17.25
11) VINYL CHLORIDE	1.748	1.508	1.584	1.620	1.573	1.612	1.570	1.583	1.572	1.597	4.07
12) 1,3-BUTADIENE	1.426	1.317	1.348	1.274	1.229	1.296	1.252	1.268	1.275	1.298	4.56
13) N-BUTANE	2.469	2.388	2.309	2.447	2.292	2.405	2.323	2.351	2.355	2.371	2.58
14) BROMOMETHANE	1.376	1.314	1.295	1.306	1.211	1.264	1.230	1.248	1.248	1.277	3.98
15) CHLOROETHANE	0.821	0.738	0.826	0.853	0.820	0.839	0.821	0.826	0.817	0.818	3.91
16) DICHLOROFLUOROMETHANE	2.969	2.937	3.144	3.211	3.077	3.224	3.132	3.217	3.219	3.126	3.52
17) ACETONITRILE	1.809	1.911	1.622	1.405	1.433	1.401	1.424	1.414		1.552	13.19
18) ACROLEIN	0.969	0.801	0.726	0.727	0.762	0.739	0.754	0.758		0.779	10.32
19) FREON 123	3.302	2.915	3.162	3.138	3.083	3.234	3.174	3.273	3.305	3.176	3.92
20) FREON 123A	1.695	1.757	1.752	1.832	1.796	1.886	1.860	1.906	1.913	1.822	4.21
21) TRICHLOROFLUOROMETHANE	3.507	3.486	3.424	3.639	3.527	3.726	3.643	3.717	3.694	3.596	3.10
22) ISOPROPYL ALCOHOL	4.381	3.891	3.555	3.314	2.991	3.250	3.022	3.012	3.067	3.387	14.11
23) ACETONE											

		1.285	0.991	0.851	0.841	0.818	0.841	0.836	0.923	18.38
24)	PENTANE										
		2.149	1.846	1.699	1.714	1.614	1.648	1.601	1.606	1.607	1.720	10.40
25)	IODOMETHANE										
		2.782	2.914	3.026	3.144	3.102	3.247	3.191	3.256	3.255	3.102	5.37
26)	1,1-DICHLOROETHYLENE										
		1.339	1.349	1.334	1.339	1.302	1.359	1.329	1.342	1.349	1.338	1.21
27)	CARBON DISULFIDE										
		3.488	3.732	3.787	3.791	3.810	4.022	4.015	4.214	4.238	3.900	6.23
28)	ETHANOL										
		1.215	1.135	0.882	0.863	0.799	0.782	0.802	0.925	18.97
29)	BROMOETHENE										
		1.229	1.137	1.176	1.238	1.187	1.262	1.245	1.256	1.261	1.221	3.63
30)	ACRYLONITRILE										
		1.663	1.236	1.359	1.289	1.182	1.167	1.129	1.137	1.136	1.255	13.68
31)	METHYLENE CHLORIDE										
		1.830	1.573	1.404	1.212	1.269	1.236	1.243	1.250	1.377	15.94
32)	3-CHLOROPROPENE										
		0.791	0.697	0.733	0.656	0.661	0.700	0.684	0.705	0.714	0.705	5.74
33)	FREON 113										
		1.953	2.006	2.100	2.122	2.068	2.169	2.152	2.189	2.196	2.106	3.98
34)	TRANS-1,2-DICHLOROETHENE										
		1.439	1.274	1.263	1.355	1.236	1.309	1.280	1.290	1.299	1.305	4.60
35)	TERTIARY BUTYL ALCOHOL										
		3.331	3.384	3.189	3.305	2.885	3.383	3.211	3.229	3.343	3.251	4.78
36)	METHYL TERTIARY BUTYL ETHER										
		3.163	3.190	3.191	3.189	3.103	3.315	3.318	3.482	3.557	3.279	4.70
37)	TETRAHYDROFURAN										
		0.452	0.624	0.640	0.618	0.634	0.666	0.655	0.666	0.667	0.625	10.78
38)	HEXANE										
		3.362	2.615	2.581	2.590	2.513	2.671	2.671	2.777	2.784	2.729	9.28
39)	VINYL ACETATE										
		0.272	0.260	0.243	0.276	0.304	0.324	0.351	0.358	0.298	14.25
40)	1,1-DICHLOROETHANE										
		2.584	2.330	2.424	2.438	2.346	2.451	2.406	2.454	2.453	2.432	3.01
41)	METHYL ETHYL KETONE										
		0.587	0.696	0.659	0.674	0.645	0.676	0.667	0.688	0.695	0.665	5.07
42)	CIS-1,2-DICHLOROETHENE										
		1.410	1.399	1.355	1.426	1.322	1.389	1.356	1.395	1.404	1.384	2.37
43)	DIISOPROPYL ETHER										
		0.558	0.733	0.632	0.706	0.701	0.744	0.754	0.779	0.785	0.710	10.38
44)	ETHYL ACETATE										
		0.474	0.551	0.516	0.477	0.496	0.531	0.531	0.558	0.560	0.522	6.33
45)	METHYL ACRYLATE										
		2.541	2.807	2.755	2.859	2.914	3.135	3.174	3.354	3.367	2.989	9.48
46)	CHLOROFORM										
		2.646	2.807	2.779	2.816	2.689	2.876	2.826	2.888	2.865	2.799	2.96
47)	2,4-DIMETHYLPENTANE										
		2.729	3.054	2.793	2.988	2.813	2.955	2.896	3.028	3.020	2.920	4.02
48)	1,1,1-TRICHLOROETHANE										
		2.474	2.500	2.353	2.453	2.343	2.561	2.618	2.798	2.832	2.548	6.87
49)	CARBON TETRACHLORIDE										
		2.051	2.325	2.277	2.344	2.366	2.602	2.682	2.902	2.961	2.501	12.18
50)	1,2-DICHLOROETHANE										
		1.957	2.162	2.154	2.195	2.048	2.139	2.092	2.177	2.182	2.123	3.66
51)	BENZENE										
		4.645	4.341	4.061	4.092	3.835	3.998	3.955	4.074	4.073	4.119	5.80
52)	I 1,4-DIFLUOROBENZENE	----------ISTD----------									
53)	CYCLOHEXANE										

		0.369	0.346	0.343	0.352	0.340	0.351	0.349	0.367	0.363	0.353	2.99
54)	2,3-DIMETHYLPENTANE											
		0.170	0.164	0.179	0.182	0.179	0.185	0.183	0.193	0.193	0.181	5.20
55)	TRICHLOROETHENE											
		0.398	0.396	0.357	0.373	0.365	0.380	0.376	0.401	0.401	0.383	4.32
56)	1,2-DICHLOROPROPANE											
		0.333	0.350	0.324	0.336	0.327	0.347	0.336	0.359	0.356	0.341	3.70
57)	DIBROMOMETHANE											
		0.338	0.344	0.317	0.319	0.303	0.314	0.308	0.326	0.325	0.321	4.17
58)	ETHYL ACRYLATE											
		0.690	0.695	0.682	0.662	0.696	0.748	0.759	0.821	0.830	0.731	8.42
59)	BROMODICHLOROMETHANE											
		0.513	0.538	0.542	0.547	0.578	0.618	0.621	0.666	0.668	0.588	9.80
60)	2,2,4-TRIMETHYLPENTANE											
		1.621	1.605	1.636	1.614	1.577	1.612	1.580	1.672	1.650	1.619	1.91
61)	1,4-DIOXANE											
			0.177	0.255	0.238	0.213	0.206	0.190	0.198	0.201	0.210	12.16
62)	HEPTANE											
		0.586	0.559	0.576	0.557	0.538	0.559	0.559	0.593	0.587	0.568	3.21
63)	METHYL METHACRYLATE											
		0.303	0.292	0.300	0.280	0.291	0.307	0.310	0.335	0.335	0.306	6.10
64)	METHYL ISOBUTYL KETONE											
		0.397	0.363	0.379	0.349	0.335	0.331	0.323	0.339	0.333	0.350	7.08
65)	CIS-1,3-DICHLOROPROPENE											
		0.352	0.383	0.374	0.375	0.419	0.463	0.487	0.537	0.541	0.437	16.64
66)	TOLUENE											
		1.112	1.040	1.039	1.032	1.007	1.061	1.057	1.119	1.108	1.064	3.76
67)	1,3-DICHLOROPROPANE											
		0.501	0.487	0.509	0.512	0.507	0.534	0.536	0.565	0.553	0.523	4.98
68)	TRANS-1,3-DICHLOROPROPENE											
			0.267	0.259	0.266	0.319	0.371	0.416	0.478	0.488	0.358	26.45
69)	1,1,2-TRICHLOROETHANE											
		0.267	0.292	0.278	0.288	0.284	0.297	0.295	0.310	0.309	0.291	4.78
70)	2-HEXANONE											
		0.598	0.620	0.572	0.553	0.517	0.491	0.484	0.491	0.478	0.534	10.04
71)	ETHYL METHACRYLATE											
		0.458	0.451	0.463	0.448	0.491	0.524	0.545	0.590	0.584	0.506	11.22
72)	TETRACHLOROETHENE											
		0.463	0.385	0.390	0.357	0.348	0.360	0.359	0.381	0.379	0.380	8.99
73)	DIBROMOCHLOROMETHANE											
		0.434	0.488	0.472	0.491	0.549	0.599	0.623	0.678	0.681	0.557	16.50
74)	1,2-DIBROMOETHANE											
		0.497	0.457	0.478	0.477	0.496	0.533	0.534	0.571	0.568	0.512	8.00
75)	OCTANE											
		1.122	0.866	0.835	0.792	0.775	0.810	0.806	0.852	0.836	0.855	12.18
76)	I CHLOROBENZENE-D5	----------	ISTD	----------								
77)	1,1,1,2-TETRACHLOROETHANE											
		0.389	0.401	0.377	0.364	0.403	0.443	0.463	0.507	0.513	0.429	12.93
78)	CHLOROBENZENE											
		0.901	0.981	0.941	0.950	0.939	0.968	0.976	1.030	1.026	0.968	4.31
79)	ETHYLBENZENE											
		1.712	1.561	1.546	1.530	1.507	1.550	1.567	1.652	1.657	1.587	4.37
80)	M,P-XYLENE											
		1.338	1.226	1.195	1.209	1.202	1.246	1.249	1.310	1.306	1.253	4.19
81)	O-XYLENE											
		1.276	1.232	1.206	1.207	1.201	1.249	1.268	1.341	1.345	1.258	4.37
82)	STYRENE											
		0.842	0.861	0.852	0.862	0.892	0.925	0.944	1.006	1.010	0.910	7.13
83)	NONANE											

Initial Calibration Summary

Job Number: JE2490 **Sample:** V7W305-ICC305
Account: GESNYP Groundwater & Environmental Services **Lab FileID:** 7W07980.D
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

```
          1.082 0.990 0.955 0.963 0.951 0.978 0.982 1.028 1.027   0.995    4.31
 84)  BROMOFORM
          0.425 0.415 0.442 0.482 0.523 0.583 0.621 0.695 0.711   0.544   20.92
 85)  1,1,2,2-TETRACHLOROETHANE
          0.778 0.815 0.869 0.849 0.875 0.907 0.921 0.977 0.985   0.886    7.79
 86)  1,2,3-TRICHLOROPROPANE
          0.685 0.697 0.666 0.705 0.700 0.726 0.728 0.768 0.768   0.716    4.93
 87)  4-BROMOFLUOROBENZENE
          0.725 0.720 0.722 0.724 0.737 0.726 0.745 0.745 0.758   0.734    1.81
 88)  ISOPROPYLBENZENE
          0.411 0.493 0.466 0.453 0.468 0.480 0.487 0.515 0.516   0.477    6.80
 89)  BROMOBENZENE
          0.739 0.893 0.894 0.905 0.878 0.912 0.925 0.985 0.984   0.902    7.98
 90)  2-CHLOROTOLUENE
          0.411 0.406 0.399 0.432 0.431 0.446 0.450 0.478 0.479   0.437    6.67
 91)  N-PROPYLBENZENE
          0.420 0.460 0.461 0.477 0.489 0.505 0.512 0.544 0.549   0.491    8.48
 92)  4-ETHYLTOLUENE
          1.605 1.507 1.638 1.654 1.718 1.792 1.807 1.951 1.968   1.738    8.97
 93)  1,3,5-TRIMETHYLBENZENE
          1.321 1.341 1.355 1.380 1.438 1.492 1.519 1.648 1.664   1.462    8.81
 94)  ALPHA-METHYLSTYRENE
          0.684 0.651 0.706 0.727 0.765 0.805 0.827 0.907 0.920   0.777   12.28
 95)  TERT-BUTYLBENZENE
          0.325 0.320 0.317 0.334 0.338 0.351 0.363 0.397 0.403   0.350    9.11
 96)  1,2,4-TRIMETHYLBENZENE
          1.309 1.344 1.377 1.420 1.491 1.568 1.628 1.790 1.825   1.528   12.38
 97)  BENZYL CHLORIDE
          0.339 0.328 0.327 0.342 0.423 0.567 0.787               0.445   39.13
 98)  M-DICHLOROBENZENE
          0.865 0.926 0.941 0.964 0.999 1.049 1.082 1.162 1.188   1.020   10.73
 99)  P-DICHLOROBENZENE
          0.935 0.941 0.943 0.947 0.973 1.011 1.042 1.142 1.168   1.011    8.83
100)  O-DICHLOROBENZENE
          0.885 0.878 0.917 0.917 0.938 0.976 1.019 1.112 1.147   0.976    9.98
101)  SEC-BUTYLBENZENE
          0.375 0.424 0.390 0.419 0.427 0.453 0.465 0.499 0.510   0.440   10.38
102)  1,2,3-TRIMETHYLBENZENE
          1.426 1.398 1.451 1.436 1.488 1.555 1.617 1.761 1.790   1.547    9.47
103)  P-ISOPROPYLTOLUENE
          0.419 0.458 0.471 0.447 0.476 0.504 0.516 0.557 0.573   0.491   10.37
104)  N-BUTYLBENZENE
          0.395 0.404 0.443 0.446 0.481 0.509 0.526 0.584 0.600   0.488   15.07
105)  HEXACHLOROETHANE
                0.301 0.304 0.322 0.413 0.491 0.566 0.677 0.711   0.473   35.00
106)  HEXACHLOROBUTADIENE
          0.668 0.628 0.625 0.639 0.680 0.717 0.777 0.906 0.962   0.734   16.90
107)  1,2,4-TRICHLOROBENZENE
                0.833 0.843 0.814 0.906 0.951 1.024 1.180 1.269   0.977   17.30
108)  NAPHTHALENE
          2.421 2.256 2.262 2.422 2.426 2.411 2.592 2.959 3.235   2.554   12.96

109) I   BROMOCHLOROMETHANE (A ----------------ISTD---------------------
110)  TVHC as equiv Pentane
          9.914 8.939 9.828 9.374 8.035 8.221 7.965 7.949 7.890   8.679    9.72
 ------------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          M7W305.M          Thu Aug 29 00:15:47 2024
```

Initial Calibration Verification

Job Number: JE2490
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample: V7W305-ICV305
Lab FileID: 7W07990.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\7w07990.D Vial: 3
Acq On : 19 Aug 2024 6:28 am Operator: benk
Sample : icv305-10 Inst : MS7W
Misc : MS74014,v7w305,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7W305.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
Last Update : Thu Aug 29 00:13:42 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	100	0.00	3.27
2	T	FREON 115	1.282	1.339	-4.4	94	0.00	1.61
3	T	FREON 152A	0.692	0.659	4.8	95	0.00	1.65
4	T	CHLORODIFLUOROMETHANE	0.334	0.311	6.9	92	0.00	1.66
5	T	CHLOROTRIFLUOROETHENE	1.623	1.535	5.4	95	0.00	1.67
6	T	DICHLORODIFLUOROMETHANE	4.010	4.114	-2.6	99	0.00	1.69
7	T	PROPYLENE	0.958	0.844	11.9	93	0.00	1.67
8	T	1-CHLORO-1,1-DIFLUOROETHA	3.357	3.483	-3.8	101	0.00	1.72
9	T	FREON 114	3.411	3.581	-5.0	101	0.00	1.76
10	T	CHLOROMETHANE	0.519	0.486	6.4	99	0.00	1.73
11	T	VINYL CHLORIDE	1.597	1.598	-0.1	99	0.00	1.79
12	t	1,3-BUTADIENE	1.298	1.256	3.2	97	0.00	1.83
13	T	N-BUTANE	2.371	2.342	1.2	97	0.00	1.85
14	T	BROMOMETHANE	1.277	1.271	0.5	100	0.00	1.91
15	T	CHLOROETHANE	0.818	0.828	-1.2	98	0.00	1.96
16	T	DICHLOROFLUOROMETHANE	3.126	3.292	-5.3	102	0.00	1.98
17	T	ACETONITRILE	1.552	1.467	5.5	102	0.00	2.05
18	T	ACROLEIN	0.779	0.760	2.4	99	0.00	2.09
19	T	FREON 123	3.176	3.121	1.7	96	0.00	2.10
20	T	FREON 123A	1.822	1.735	4.8	92	0.00	2.12
21	T	TRICHLOROFLUOROMETHANE	3.596	3.751	-4.3	100	0.00	2.19
22	T	ISOPROPYL ALCOHOL	3.387	3.362	0.7	103	0.00	2.21
23	T	ACETONE	0.923	0.836	9.4	99	0.00	2.13
24	T	PENTANE	1.720	1.599	7.0	97	0.00	2.30
25	T	IODOMETHANE	3.102	3.305	-6.5	101	0.00	2.36
26	T	1,1-DICHLOROETHYLENE	1.338	1.386	-3.6	102	0.00	2.39
27	T	CARBON DISULFIDE	3.900	4.327	-10.9	107	0.00	2.52
28	T	ETHANOL	0.925	0.759	17.9	88	0.00	1.99
29	T	BROMOETHENE	1.221	1.279	-4.8	101	0.00	2.06
30	T	ACRYLONITRILE	1.255	1.150	8.4	98	0.00	2.27
31	T	METHYLENE CHLORIDE	1.377	1.301	5.5	102	0.00	2.43
32	T	3-CHLOROPROPENE	0.705	0.704	0.1	100	0.00	2.47
33	T	FREON 113	2.106	2.269	-7.7	104	0.00	2.52
34	T	TRANS-1,2-DICHLOROETHENE	1.305	1.340	-2.7	102	0.00	2.75
35	T	TERTIARY BUTYL ALCOHOL	3.251	3.902	-20.0	115	-0.01	2.42
36	t	METHYL TERTIARY BUTYL ETH	3.279	3.328	-1.5	100	0.00	2.87
37	T	TETRAHYDROFURAN	0.625	0.640	-2.4	96	0.00	3.56
38	T	HEXANE	2.729	2.432	10.9	91	0.00	3.32
39	T	VINYL ACETATE	0.298	0.318	-6.7	104	0.00	2.90
40	T	1,1-DICHLOROETHANE	2.432	2.353	3.2	96	0.00	2.83
41	T	METHYL ETHYL KETONE	0.665	0.636	4.4	94	0.00	3.00
42	T	CIS-1,2-DICHLOROETHENE	1.384	1.344	2.9	96	0.00	3.19

Initial Calibration Verification

Job Number: JE2490
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample: V7W305-ICV305
Lab FileID: 7W07990.D

43	T	DIISOPROPYL ETHER	0.710	0.699	1.5	94	0.00	3.32
44	T	ETHYL ACETATE	0.522	0.486	6.9	91	0.00	3.33
45	T	METHYL ACRYLATE	2.989	2.977	0.4	95	0.00	3.32
46	T	CHLOROFORM	2.799	2.786	0.5	97	0.00	3.34
47	T	2,4-DIMETHYLPENTANE	2.920	2.738	6.2	92	0.00	3.83
48	T	1,1,1-TRICHLOROETHANE	2.548	2.487	2.4	97	0.00	3.91
49	T	CARBON TETRACHLORIDE	2.501	2.437	2.6	93	0.00	4.33
50	T	1,2-DICHLOROETHANE	2.123	2.036	4.1	95	0.00	3.75
51	t	BENZENE	4.119	3.772	8.4	94	0.00	4.22
52	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	98	0.00	4.55
53	T	CYCLOHEXANE	0.353	0.339	4.0	94	0.00	4.43
54	T	2,3-DIMETHYLPENTANE	0.181	0.178	1.7	94	0.00	4.69
55	T	TRICHLOROETHENE	0.383	0.371	3.1	96	0.00	5.12
56	T	1,2-DICHLOROPROPANE	0.341	0.332	2.6	94	0.00	4.89
57	T	DIBROMOMETHANE	0.321	0.315	1.9	98	0.00	4.85
58	T	ETHYL ACRYLATE	0.731	0.731	0.0	96	0.00	5.01
59	T	BROMODICHLOROMETHANE	0.588	0.601	-2.2	95	0.00	5.07
60	T	2,2,4-TRIMETHYLPENTANE	1.619	1.510	6.7	92	0.00	5.22
61	T	1,4-DIOXANE	0.210	0.196	6.7	93	-0.01	5.15
62	T	HEPTANE	0.568	0.517	9.0	90	0.00	5.53
63	T	METHYL METHACRYLATE	0.306	0.302	1.3	96	0.00	5.43
64	T	METHYL ISOBUTYL KETONE	0.350	0.313	10.6	92	0.00	6.17
65	T	CIS-1,3-DICHLOROPROPENE	0.437	0.425	2.7	90	0.00	6.06
66	T	TOLUENE	1.064	1.019	4.2	94	0.00	7.26
67	T	1,3-DICHLOROPROPANE	0.523	0.515	1.5	94	0.00	7.32
68	T	TRANS-1,3-DICHLOROPROPENE	0.358	0.366	-2.2	97	0.00	6.73
69	T	1,1,2-TRICHLOROETHANE	0.291	0.294	-1.0	97	0.00	6.89
70	T	2-HEXANONE	0.534	0.460	13.9	91	0.00	7.85
71	T	ETHYL METHACRYLATE	0.506	0.529	-4.5	98	0.00	7.97
72	T	TETRACHLOROETHENE	0.380	0.354	6.8	96	0.00	8.99
73	T	DIBROMOCHLOROMETHANE	0.557	0.581	-4.3	95	0.00	7.79
74	T	1,2-DIBROMOETHANE	0.512	0.521	-1.8	96	0.00	8.14
75	T	OCTANE	0.855	0.745	12.9	90	0.00	9.14
76	I	CHLOROBENZENE-D5	1.000	1.000	0.0	97	0.00	10.12
77	T	1,1,1,2-TETRACHLOROETHANE	0.429	0.429	0.0	94	0.00	10.21
78	T	CHLOROBENZENE	0.968	0.941	2.8	95	0.00	10.20
79	t	ETHYLBENZENE	1.587	1.502	5.4	94	0.00	11.08
80	t	M,P-XYLENE	1.253	1.194	4.7	93	0.00	11.51
81	t	O-XYLENE	1.258	1.192	5.2	93	0.00	12.44
82	T	STYRENE	0.910	0.891	2.1	94	0.00	12.23
83	T	NONANE	0.995	0.903	9.2	90	0.00	13.56
84	T	BROMOFORM	0.544	0.548	-0.7	91	0.00	11.32
85	T	1,1,2,2-TETRACHLOROETHANE	0.886	0.875	1.2	94	0.00	12.46
86	T	1,2,3-TRICHLOROPROPANE	0.716	0.695	2.9	93	0.00	12.74
87	S	4-BROMOFLUOROBENZENE	0.734	0.729	0.7	98	0.00	13.48
88	T	ISOPROPYLBENZENE	0.477	0.469	1.7	95	0.00	13.96
89	T	BROMOBENZENE	0.902	0.886	1.8	95	0.00	13.82
90	T	2-CHLOROTOLUENE	0.437	0.442	-1.1	96	0.00	14.95
91	T	N-PROPYLBENZENE	0.491	0.490	0.2	94	0.00	15.29
92	T	4-ETHYLTOLUENE	1.738	1.702	2.1	92	0.00	15.74
93	T	1,3,5-TRIMETHYLBENZENE	1.462	1.428	2.3	93	0.00	16.00
94	T	ALPHA-METHYLSTYRENE	0.777	0.806	-3.7	97	0.00	16.27
95	T	TERT-BUTYLBENZENE	0.350	0.344	1.7	95	0.00	16.57
96	T	1,2,4-TRIMETHYLBENZENE	1.528	1.502	1.7	93	0.00	16.58
97	T	BENZYL CHLORIDE	0.445	0.634	-42.5#	109	0.00	16.67
98	T	M-DICHLOROBENZENE	1.020	1.011	0.9	94	0.00	16.64
99	T	P-DICHLOROBENZENE	1.011	0.984	2.7	95	0.00	16.73
100	T	O-DICHLOROBENZENE	0.976	0.956	2.0	95	0.00	17.04

Initial Calibration Verification

Job Number: JE2490
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY
Sample: V7W305-ICV305
Lab FileID: 7W07990.D

101	T	SEC-BUTYLBENZENE	0.440	0.444	-0.9	95	0.00	16.87
102	T	1,2,3-TRIMETHYLBENZENE	1.547	1.505	2.7	94	0.00	16.99
103	T	P-ISOPROPYLTOLUENE	0.491	0.494	-0.6	95	0.00	17.06
104	T	N-BUTYLBENZENE	0.488	0.490	-0.4	94	0.00	17.43
105	T	HEXACHLOROETHANE	0.473	0.465	1.7	92	0.00	17.60
106	T	HEXACHLOROBUTADIENE	0.734	0.720	1.9	98	0.00	18.66
107	T	1,2,4-TRICHLOROBENZENE	0.977	0.928	5.0	95	0.00	18.35
108	T	NAPHTHALENE	2.554	2.550	0.2	103	0.00	18.40
109	I	BROMOCHLOROMETHANE (A)	1.000	1.000	0.0	100	0.00	3.27
110		TVHC as equiv Pentane	8.679	7.972	8.1	97	0.00	2.30

(#) = Out of Range SPCC's out = 0 CCC's out = 0
7w07980.D M7W305.M Thu Aug 29 00:23:32 2024

6.9.7

6

Continuing Calibration Summary

Job Number: JE2490 **Sample:** V7W387-CC305
Account: GESNYP Groundwater & Environmental Services **Lab FileID:** 7W10576.D
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\l...2024\v7w387\7w10576.D Vial: 2
Acq On : 18 Nov 2024 9:35 am Operator: benk
Sample : cc305-10 Inst : MS7W
Misc : MS87131,v7w387,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7W305.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
Last Update : Thu Aug 29 00:13:42 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	79	0.01	3.28
2	T	FREON 115	1.282	1.751	-36.6#	98	0.00	1.62
3	T	FREON 152A	0.692	0.896	-29.5	103	0.00	1.65
4	T	CHLORODIFLUOROMETHANE	0.334	0.350	-4.8	82	0.00	1.66
5	T	CHLOROTRIFLUOROETHENE	1.623	1.974	-21.6	98	0.00	1.67
6	T	DICHLORODIFLUOROMETHANE	4.010	4.006	0.1	77	0.00	1.69
7	T	PROPYLENE	0.958	1.105	-15.3	97	0.00	1.67
8	T	1-CHLORO-1,1-DIFLUOROETHA	3.357	2.741	18.3	63	0.00	1.73
9	T	FREON 114	3.411	3.281	3.8	74	0.00	1.76
10	T	CHLOROMETHANE	0.519	0.443	14.6	72	0.00	1.73
11	T	VINYL CHLORIDE	1.597	1.580	1.1	78	0.00	1.80
12	t	1,3-BUTADIENE	1.298	1.191	8.2	73	0.00	1.84
13	T	N-BUTANE	2.371	1.995	15.9	66	0.00	1.85
14	T	BROMOMETHANE	1.277	1.238	3.1	78	0.00	1.91
15	T	CHLOROETHANE	0.818	0.842	-2.9	80	0.00	1.96
16	T	DICHLOROFLUOROMETHANE	3.126	2.996	4.2	74	0.00	1.99
17	T	ACETONITRILE	1.552	1.302	16.1	72	0.00	2.06
18	T	ACROLEIN	0.779	0.718	7.8	75	0.00	2.10
19	T	FREON 123	3.176	3.134	1.3	77	0.00	2.11
20	T	FREON 123A	1.822	1.837	-0.8	77	0.00	2.13
21	T	TRICHLOROFLUOROMETHANE	3.596	3.386	5.8	72	0.00	2.19
22	T	ISOPROPYL ALCOHOL	3.387	2.874	15.1	70	0.00	2.22
23	T	ACETONE	0.923	0.893	3.3	84	0.00	2.14
24	T	PENTANE	1.720	1.489	13.4	72	0.00	2.31
25	T	IODOMETHANE	3.102	3.311	-6.7	81	0.00	2.37
26	T	1,1-DICHLOROETHYLENE	1.338	1.303	2.6	76	0.00	2.40
27	T	CARBON DISULFIDE	3.900	3.511	10.0	69	0.01	2.53
28	T	ETHANOL	0.925	0.784	15.2	72	0.00	1.99
29	T	BROMOETHENE	1.221	1.289	-5.6	81	0.00	2.06
30	T	ACRYLONITRILE	1.255	1.082	13.8	74	0.00	2.28
31	T	METHYLENE CHLORIDE	1.377	1.185	13.9	74	0.00	2.44
32	T	3-CHLOROPROPENE	0.705	0.629	10.8	71	0.00	2.48
33	T	FREON 113	2.106	2.070	1.7	76	0.00	2.53
34	T	TRANS-1,2-DICHLOROETHENE	1.305	1.420	-8.8	86	0.00	2.76
35	T	TERTIARY BUTYL ALCOHOL	3.251	2.965	8.8	70	0.00	2.42
36	t	METHYL TERTIARY BUTYL ETH	3.279	3.620	-10.4	87	0.00	2.87
37	T	TETRAHYDROFURAN	0.625	0.712	-13.9	85	0.00	3.56
38	T	HEXANE	2.729	2.946	-8.0	88	0.00	3.33
39	T	VINYL ACETATE	0.298	0.338	-13.4	88	0.00	2.91
40	T	1,1-DICHLOROETHANE	2.432	2.846	-17.0	92	0.00	2.84
41	T	METHYL ETHYL KETONE	0.665	0.744	-11.9	87	0.00	3.01
42	T	CIS-1,2-DICHLOROETHENE	1.384	1.466	-5.9	84	0.01	3.20

Continuing Calibration Summary

Job Number: JE2490 **Sample:** V7W387-CC305
Account: GESNYP Groundwater & Environmental Services **Lab FileID:** 7W10576.D
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

43	T	DIISOPROPYL ETHER	0.710	0.812	-14.4	87	0.00	3.33
44	T	ETHYL ACETATE	0.522	0.572	-9.6	86	0.00	3.34
45	T	METHYL ACRYLATE	2.989	3.335	-11.6	85	0.00	3.32
46	T	CHLOROFORM	2.799	2.797	0.1	77	0.00	3.35
47	T	2,4-DIMETHYLPENTANE	2.920	3.308	-13.3	89	0.00	3.84
48	T	1,1,1-TRICHLOROETHANE	2.548	2.738	-7.5	85	0.00	3.92
49	T	CARBON TETRACHLORIDE	2.501	2.867	-14.6	88	0.00	4.34
50	T	1,2-DICHLOROETHANE	2.123	2.055	3.2	76	0.00	3.76
51	t	BENZENE	4.119	4.293	-4.2	85	0.00	4.23
52	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	82	0.00	4.55
53	T	CYCLOHEXANE	0.353	0.358	-1.4	84	0.00	4.44
54	T	2,3-DIMETHYLPENTANE	0.181	0.191	-5.5	85	0.00	4.70
55	T	TRICHLOROETHENE	0.383	0.372	2.9	80	0.00	5.13
56	T	1,2-DICHLOROPROPANE	0.341	0.375	-10.0	89	0.00	4.89
57	T	DIBROMOMETHANE	0.321	0.325	-1.2	85	0.00	4.86
58	T	ETHYL ACRYLATE	0.731	0.786	-7.5	86	0.00	5.01
59	T	BROMODICHLOROMETHANE	0.588	0.602	-2.4	80	0.00	5.07
60	T	2,2,4-TRIMETHYLPENTANE	1.619	1.727	-6.7	88	0.00	5.22
61	T	1,4-DIOXANE	0.210	0.202	3.8	81	-0.01	5.15
62	T	HEPTANE	0.568	0.573	-0.9	84	0.00	5.54
63	T	METHYL METHACRYLATE	0.306	0.321	-4.9	86	0.00	5.43
64	T	METHYL ISOBUTYL KETONE	0.350	0.339	3.1	84	0.00	6.17
65	T	CIS-1,3-DICHLOROPROPENE	0.437	0.496	-13.5	88	0.00	6.06
66	T	TOLUENE	1.064	1.020	4.1	79	0.00	7.27
67	T	1,3-DICHLOROPROPANE	0.523	0.516	1.3	79	0.00	7.33
68	T	TRANS-1,3-DICHLOROPROPENE	0.358	0.429	-19.8	95	0.00	6.74
69	T	1,1,2-TRICHLOROETHANE	0.291	0.296	-1.7	82	0.00	6.90
70	T	2-HEXANONE	0.534	0.484	9.4	81	0.00	7.85
71	T	ETHYL METHACRYLATE	0.506	0.537	-6.1	84	0.00	7.97
72	T	TETRACHLOROETHENE	0.380	0.381	-0.3	87	0.00	8.99
73	T	DIBROMOCHLOROMETHANE	0.557	0.600	-7.7	82	0.00	7.80
74	T	1,2-DIBROMOETHANE	0.512	0.520	-1.6	80	0.00	8.14
75	T	OCTANE	0.855	0.790	7.6	80	0.00	9.14
76	I	CHLOROBENZENE-D5	1.000	1.000	0.0	83	0.00	10.12
77	T	1,1,1,2-TETRACHLOROETHANE	0.429	0.459	-7.0	86	0.00	10.21
78	T	CHLOROBENZENE	0.968	0.879	9.2	76	0.00	10.20
79	t	ETHYLBENZENE	1.587	1.418	10.6	76	0.00	11.08
80	t	M,P-XYLENE	1.253	1.118	10.8	75	0.00	11.51
81	t	O-XYLENE	1.258	1.118	11.1	75	0.00	12.44
82	T	STYRENE	0.910	0.860	5.5	77	0.00	12.23
83	T	NONANE	0.995	0.887	10.9	75	0.00	13.56
84	T	BROMOFORM	0.544	0.598	-9.9	85	0.00	11.32
85	T	1,1,2,2-TETRACHLOROETHANE	0.886	0.832	6.1	76	0.00	12.45
86	T	1,2,3-TRICHLOROPROPANE	0.716	0.649	9.4	74	0.00	12.74
87	S	4-BROMOFLUOROBENZENE	0.734	0.681	7.2	78	0.00	13.48
88	T	ISOPROPYLBENZENE	0.477	0.439	8.0	76	0.00	13.96
89	T	BROMOBENZENE	0.902	0.818	9.3	75	0.00	13.82
90	T	2-CHLOROTOLUENE	0.437	0.402	8.0	75	0.00	14.96
91	T	N-PROPYLBENZENE	0.491	0.459	6.5	76	0.00	15.30
92	T	4-ETHYLTOLUENE	1.738	1.624	6.6	75	0.00	15.74
93	T	1,3,5-TRIMETHYLBENZENE	1.462	1.314	10.1	73	0.00	15.99
94	T	ALPHA-METHYLSTYRENE	0.777	0.701	9.8	72	0.00	16.27
95	T	TERT-BUTYLBENZENE	0.350	0.319	8.9	76	0.00	16.57
96	T	1,2,4-TRIMETHYLBENZENE	1.528	1.357	11.2	72	0.00	16.58
97	T	BENZYL CHLORIDE	0.445	0.850	-91.0#	125	0.00	16.67
98	T	M-DICHLOROBENZENE	1.020	0.961	5.8	76	0.00	16.64
99	T	P-DICHLOROBENZENE	1.011	0.931	7.9	77	0.00	16.73
100	T	O-DICHLOROBENZENE	0.976	0.892	8.6	76	0.00	17.04

Continuing Calibration Summary

Job Number: JE2490 **Sample:** V7W387-CC305
Account: GESNYP Groundwater & Environmental Services **Lab FileID:** 7W10576.D
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

101	T	SEC-BUTYLBENZENE	0.440	0.410	6.8	75	0.00	16.87
102	T	1,2,3-TRIMETHYLBENZENE	1.547	1.334	13.8	71	0.00	16.99
103	T	P-ISOPROPYLTOLUENE	0.491	0.444	9.6	73	0.00	17.06
104	T	N-BUTYLBENZENE	0.488	0.445	8.8	73	0.00	17.42
105	T	HEXACHLOROETHANE	0.473	0.499	-5.5	85	0.00	17.60
106	T	HEXACHLOROBUTADIENE	0.734	0.703	4.2	82	-0.01	18.65
107	T	1,2,4-TRICHLOROBENZENE	0.977	0.850	13.0	74	0.00	18.34
108	T	NAPHTHALENE	2.554	1.975	22.7	68	-0.01	18.39
109	I	BROMOCHLOROMETHANE (A)	1.000	1.000	0.0	79	0.01	3.28
110		TVHC as equiv Pentane	8.679	7.045	18.8	68	0.00	2.31

(#) = Out of Range SPCC's out = 0 CCC's out = 0
7w07980.D M7W305.M Tue Nov 19 04:47:41 2024

Run Sequence Report

Job Number: JE2490
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Run ID: V5W2125	**Method:** TO-15	**Instrument ID:** GCMS5W

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V5W2125-BFB	5W55458.D	12/09/24 03:34	n/a	BFB Tune
V5W2125-IC2125	5W55459.D	12/09/24 04:14	n/a	Initial cal 0.04
V5W2125-IC2125	5W55460.D	12/09/24 04:54	n/a	Initial cal 0.1
V5W2125-IC2125	5W55461.D	12/09/24 05:35	n/a	Initial cal 0.2
V5W2125-IC2125	5W55463.D	12/09/24 06:59	n/a	Initial cal 0.5
V5W2125-IC2125	5W55464.D	12/09/24 07:45	n/a	Initial cal 5
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	n/a	Initial cal 10
V5W2125-IC2125	5W55467.D	12/09/24 09:45	n/a	Initial cal 20
V5W2125-IC2125	5W55468.D	12/09/24 10:29	n/a	Initial cal 40
V5W2125-IC2125	5W55469.D	12/09/24 11:14	n/a	Initial cal 50
V5W2125-ICV2125	5W55473.D	12/09/24 13:55	n/a	Initial cal verification 10

Run Sequence Report

Job Number: JE2490
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Run ID: V5W2133	**Method:** TO-15	**Instrument ID:** GCMS5W

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V5W2133-BFB	5W55699.D	12/17/24 19:52	n/a	BFB Tune
V5W2133-CC2125	5W55700.D	12/17/24 20:32	n/a	Continuing cal 10
V5W2133-BS	5W55701.D	12/17/24 21:13	n/a	Blank Spike
V5W2133-BSD	5W55703.D	12/17/24 22:35	n/a	Blank Spike Duplicate
V5W2133-MB	5W55706.D	12/18/24 00:51	n/a	Method Blank
V5W2133-SCC	5W55707.D	12/18/24 01:36	n/a	Summa Cleaning Certification
V5W2133-SCC	5W55708.D	12/18/24 02:22	n/a	Summa Cleaning Certification
V5W2133-SCC	5W55709.D	12/18/24 03:08	n/a	Summa Cleaning Certification
V5W2133-SCC	5W55710.D	12/18/24 03:55	n/a	Summa Cleaning Certification
V5W2133-SCC	5W55711.D	12/18/24 04:42	n/a	Summa Cleaning Certification
V5W2133-SCC	5W55712.D	12/18/24 05:29	n/a	Summa Cleaning Certification
V5W2133-SCC	5W55713.D	12/18/24 06:16	n/a	Summa Cleaning Certification
V5W2133-SCC	5W55714.D	12/18/24 07:02	n/a	Summa Cleaning Certification
JE2488-2	5W55716.D	12/18/24 08:40	n/a	(used for QC only; not part of job JE2490)
JE2488-2DUP	5W55717.D	12/18/24 09:29	n/a	Duplicate
JE2490-4	5W55721.D	12/18/24 12:42	n/a	IA-2
ZZZZZZ	5W55722.D	12/18/24 13:30	n/a	(unrelated sample)
ZZZZZZ	5W55723.D	12/18/24 14:18	n/a	(unrelated sample)
ZZZZZZ	5W55724.D	12/18/24 14:59	n/a	(unrelated sample)
ZZZZZZ	5W55725.D	12/18/24 15:40	n/a	(unrelated sample)

Run Sequence Report

Job Number: JE2490
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Run ID: V5W2136	**Method:** TO-15	**Instrument ID:** GCMS5W

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V5W2136-BFB	5W55777.D	12/20/24 12:26	n/a	BFB Tune
V5W2136-CC2125	5W55778.D	12/20/24 13:06	n/a	Continuing cal 10
V5W2136-BS	5W55779.D	12/20/24 13:55	n/a	Blank Spike
V5W2136-BSD	5W55781.D	12/20/24 15:34	n/a	Blank Spike Duplicate
V5W2136-MB	5W55783.D	12/20/24 17:06	n/a	Method Blank
JE2665-1	5W55784.D	12/20/24 18:21	n/a	(used for QC only; not part of job JE2490)
JE2665-1DUP	5W55785.D	12/20/24 19:03	n/a	Duplicate
ZZZZZZ	5W55786.D	12/20/24 19:55	n/a	(unrelated sample)
ZZZZZZ	5W55788.D	12/20/24 21:22	n/a	(unrelated sample)
ZZZZZZ	5W55789.D	12/20/24 22:14	n/a	(unrelated sample)
JE2490-1	5W55790.D	12/20/24 22:55	n/a	SS-1
JE2490-2	5W55791.D	12/20/24 23:46	n/a	IA-1
JE2490-2	5W55792.D	12/21/24 00:26	n/a	IA-1
JE2490-3	5W55793.D	12/21/24 01:09	n/a	SS-2
JE2490-4	5W55794.D	12/21/24 01:49	n/a	IA-2
ZZZZZZ	5W55795.D	12/21/24 02:30	n/a	(unrelated sample)
ZZZZZZ	5W55796.D	12/21/24 03:11	n/a	(unrelated sample)
ZZZZZZ	5W55797.D	12/21/24 03:54	n/a	(unrelated sample)
ZZZZZZ	5W55798.D	12/21/24 04:35	n/a	(unrelated sample)
ZZZZZZ	5W55799.D	12/21/24 05:21	n/a	(unrelated sample)
ZZZZZZ	5W55800.D	12/21/24 06:08	n/a	(unrelated sample)

Run Sequence Report

Job Number: JE2490
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Run ID: V5W2138	**Method:** TO-15	**Instrument ID:** GCMS5W

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V5W2138-BFB	5W55818.D	12/23/24 08:13	n/a	BFB Tune
V5W2138-CC2125	5W55819.D	12/23/24 09:11	n/a	Continuing cal 10
V5W2138-BS	5W55820.D	12/23/24 10:07	n/a	Blank Spike
V5W2138-BSD	5W55821.D	12/23/24 11:17	n/a	Blank Spike Duplicate
V5W2138-MB	5W55823.D	12/23/24 12:54	n/a	Method Blank
V5W2138-SCC	5W55824.D	12/23/24 14:29	n/a	Summa Cleaning Certification
JE2315-1	5W55825.D	12/23/24 15:24	n/a	(used for QC only; not part of job JE2490)
JE2315-1DUP	5W55826.D	12/23/24 16:11	n/a	Duplicate
ZZZZZZ	5W55827.D	12/23/24 16:52	n/a	(unrelated sample)
ZZZZZZ	5W55828.D	12/23/24 17:34	n/a	(unrelated sample)
ZZZZZZ	5W55829.D	12/23/24 18:20	n/a	(unrelated sample)
JE2490-1	5W55830.D	12/23/24 19:01	n/a	SS-1
ZZZZZZ	5W55831.D	12/23/24 19:43	n/a	(unrelated sample)
ZZZZZZ	5W55832.D	12/23/24 20:23	n/a	(unrelated sample)
ZZZZZZ	5W55833.D	12/23/24 21:09	n/a	(unrelated sample)
ZZZZZZ	5W55834.D	12/23/24 21:56	n/a	(unrelated sample)
ZZZZZZ	5W55835.D	12/23/24 22:42	n/a	(unrelated sample)
ZZZZZZ	5W55836.D	12/23/24 23:28	n/a	(unrelated sample)
ZZZZZZ	5W55837.D	12/24/24 00:14	n/a	(unrelated sample)
ZZZZZZ	5W55838.D	12/24/24 01:01	n/a	(unrelated sample)
ZZZZZZ	5W55839.D	12/24/24 01:54	n/a	(unrelated sample)
ZZZZZZ	5W55840.D	12/24/24 02:41	n/a	(unrelated sample)

Run Sequence Report

Job Number: JE2490
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Run ID: V7W305 **Method:** TO-15 **Instrument ID:** GCMS7W

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V7W305-BFB	7W07974.D	08/18/24 21:06	n/a	BFB Tune
V7W305-IC305	7W07975.D	08/18/24 21:40	n/a	Initial cal 0.04
V7W305-IC305	7W07976.D	08/18/24 22:13	n/a	Initial cal 0.10
V7W305-IC305	7W07977.D	08/18/24 22:49	n/a	Initial cal 0.20
V7W305-IC305	7W07978.D	08/18/24 23:22	n/a	Initial cal 0.50
V7W305-IC305	7W07979.D	08/19/24 00:01	n/a	Initial cal 5
V7W305-ICC305	7W07980.D	08/19/24 00:35	n/a	Initial cal 10
V7W305-IC305	7W07981.D	08/19/24 01:10	n/a	Initial cal 20
V7W305-IC305	7W07982.D	08/19/24 01:48	n/a	Initial cal 40
V7W305-IC305	7W07983.D	08/19/24 02:28	n/a	Initial cal 50
V7W305-ICV305	7W07990.D	08/19/24 06:28	n/a	Initial cal verification 10

Run Sequence Report

Job Number: JE2490
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Run ID: V7W387	**Method:** TO-15	**Instrument ID:** GCMS7W

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V7W387-BFB	7W10575.D	11/18/24 08:59	n/a	BFB Tune
V7W387-CC305	7W10576.D	11/18/24 09:35	n/a	Continuing cal 10
V7W387-BS	7W10577.D	11/18/24 10:11	n/a	Blank Spike
V7W387-BSD	7W10578.D	11/18/24 10:46	n/a	Blank Spike Duplicate
V7W387-MB	7W10580.D	11/18/24 12:04	n/a	Method Blank
JD99820-1	7W10582.D	11/18/24 13:59	n/a	(used for QC only; not part of job JE2490)
JD99820-1DUP	7W10583.D	11/18/24 14:40	n/a	Duplicate
ZZZZZZ	7W10584.D	11/18/24 15:21	n/a	(unrelated sample)
ZZZZZZ	7W10586.D	11/18/24 16:44	n/a	(unrelated sample)
ZZZZZZ	7W10587.D	11/18/24 17:25	n/a	(unrelated sample)
ZZZZZZ	7W10588.D	11/18/24 18:07	n/a	(unrelated sample)
ZZZZZZ	7W10590.D	11/18/24 19:30	n/a	(unrelated sample)
ZZZZZZ	7W10591.D	11/18/24 20:11	n/a	(unrelated sample)
ZZZZZZ	7W10592.D	11/18/24 20:52	n/a	(unrelated sample)
ZZZZZZ	7W10593.D	11/18/24 21:28	n/a	(unrelated sample)
ZZZZZZ	7W10594.D	11/18/24 22:04	n/a	(unrelated sample)
ZZZZZZ	7W10595.D	11/18/24 22:41	n/a	(unrelated sample)
ZZZZZZ	7W10597.D	11/18/24 23:53	n/a	(unrelated sample)
ZZZZZZ	7W10598.D	11/19/24 00:29	n/a	(unrelated sample)
ZZZZZZ	7W10599.D	11/19/24 01:06	n/a	(unrelated sample)
ZZZZZZ	7W10601.D	11/19/24 02:18	n/a	(unrelated sample)
ZZZZZZ	7W10602.D	11/19/24 02:55	n/a	(unrelated sample)
V7W387-SCC	7W10603.D	11/19/24 03:31	n/a	Summa Cleaning Certification
V7W387-SCC	7W10604.D	11/19/24 04:07	n/a	Summa Cleaning Certification
V7W387-SCC	7W10605.D	11/19/24 04:48	n/a	Summa Cleaning Certification
V7W387-SCC	7W10606.D	11/19/24 05:29	n/a	Summa Cleaning Certification
V7W387-SCC	7W10607.D	11/19/24 06:10	n/a	Summa Cleaning Certification
ZZZZZZ	7W10608.D	11/19/24 06:51	n/a	(unrelated sample)

MS Volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55790.D
Acq On : 20 Dec 2024 10:55 pm
Operator : thomash
Sample : je2490-1 Inst : GCMS5W
Misc : MS88104,V5W2136,80,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 23 07:35:02 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

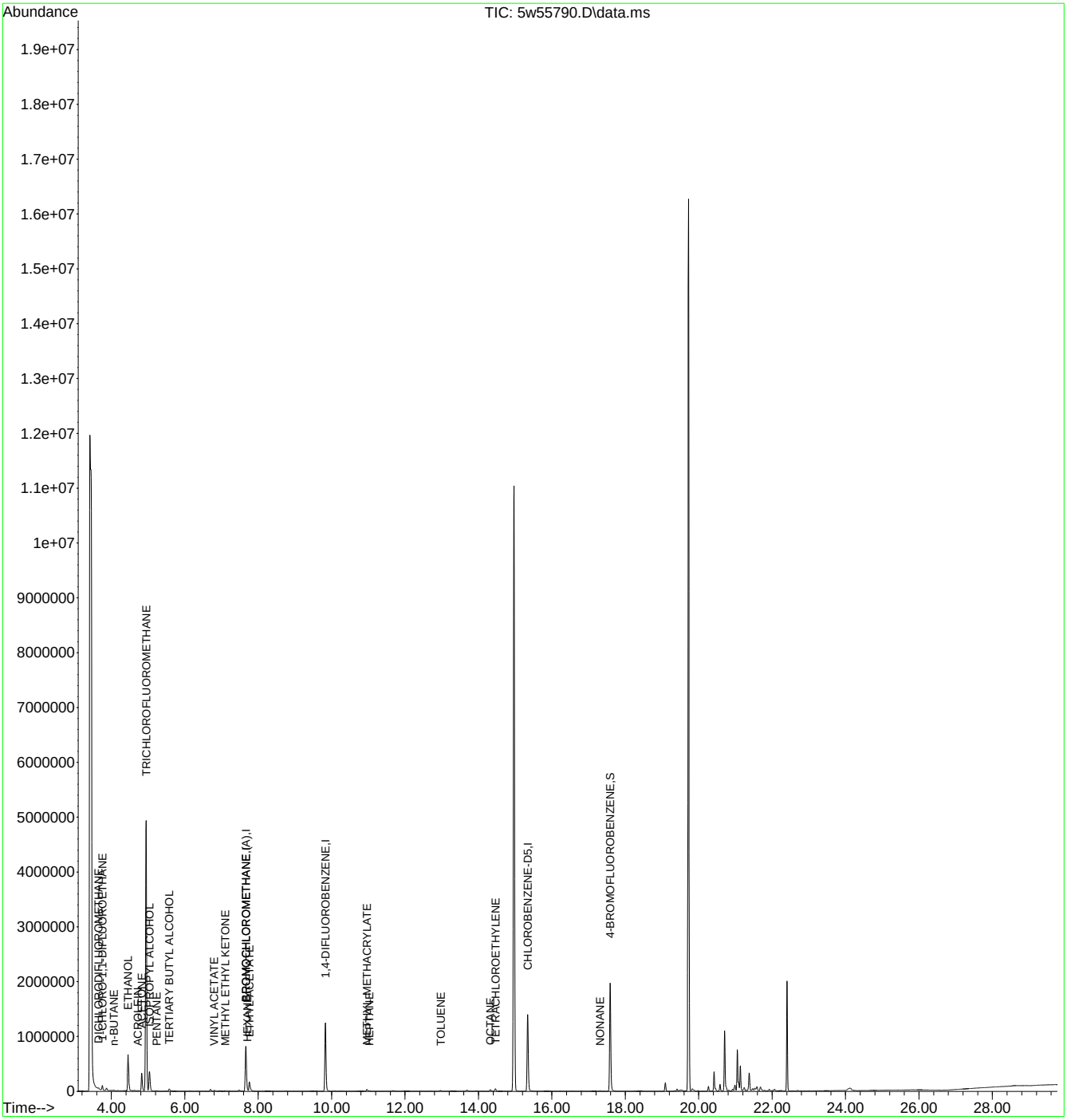
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	7.663	128	218794	10.00	PPBV	# 0.00
51) 1,4-DIFLUOROBENZENE	9.829	114	1076421	10.00	PPBV	0.00
70) CHLOROBENZENE-D5	15.341	82	562673	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	7.663	128	218794	10.00	PPBV	# 0.00
System Monitoring Compounds						
85) 4-BROMOFLUOROBENZENE	17.586	95	712748	11.32	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 113.20%			
Target Compounds						Qvalue
6) DICHLORODIFLUOROMETHANE	3.650	85	19041	0.2381	PPBV	98
8) 1-CHLORO-1,1-DIFLUOROE...	3.754	65	73446	0.8970	PPBV	97
13) n-BUTANE	4.066	43	9356	0.2002	PPBV #	90
18) ACROLEIN	4.720	56	3218	0.2729	PPBV	84
21) TRICHLOROFLUOROMETHANE	4.947	101	3928786	53.1712	PPBV	99
22) ISOPROPYL ALCOHOL	5.038	45	508404	10.8595	PPBV	96
23) ACETONE	4.824	58	112954	6.4009	PPBV	89
24) PENTANE	5.234	42	3908	0.1680	PPBV	91
28) ETHANOL	4.451	45	836494	48.7521	PPBV	100
35) TERTIARY BUTYL ALCOHOL	5.577	59	42589	0.9671	PPBV	84
38) HEXANE	7.700	57	4331	0.1263	PPBV	84
39) VINYL ACETATE	6.800	86	2575	0.6572	PPBV #	79
41) METHYL ETHYL KETONE	7.100	72	4003	0.4218	PPBV #	76
44) ETHYL ACETATE	7.761	61	32876	4.6959	PPBV #	74
62) HEPTANE	11.028	43	4720	0.1141	PPBV	86
63) METHYL METHACRYLATE	10.960	69	17890	0.6897	PPBV #	68
66) TOLUENE	12.973	92	9407	0.1724	PPBV	95
73) TETRACHLOROETHYLENE	14.466	164	13038	0.3548	PPBV	86
76) OCTANE	14.325	43	21246	0.4299	PPBV	74
83) NONANE	17.311	43	5975	0.1158	PPBV #	81

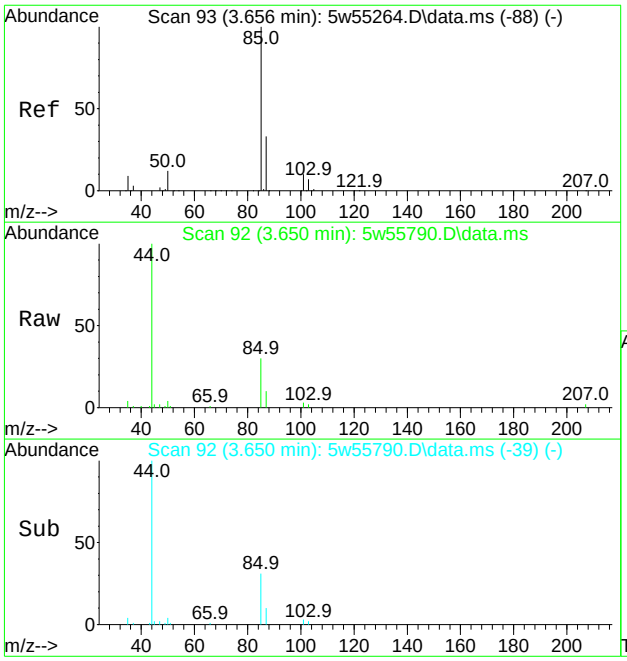
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55790.D
Acq On : 20 Dec 2024 10:55 pm
Operator : thomash
Sample : je2490-1 Inst : GCMS5W
Misc : MS88104,V5W2136,80,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 23 07:35:02 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

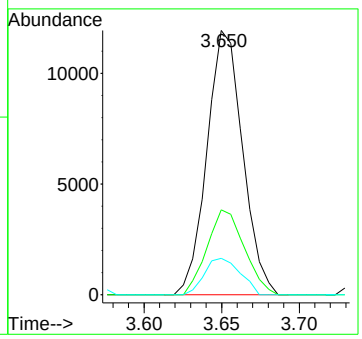


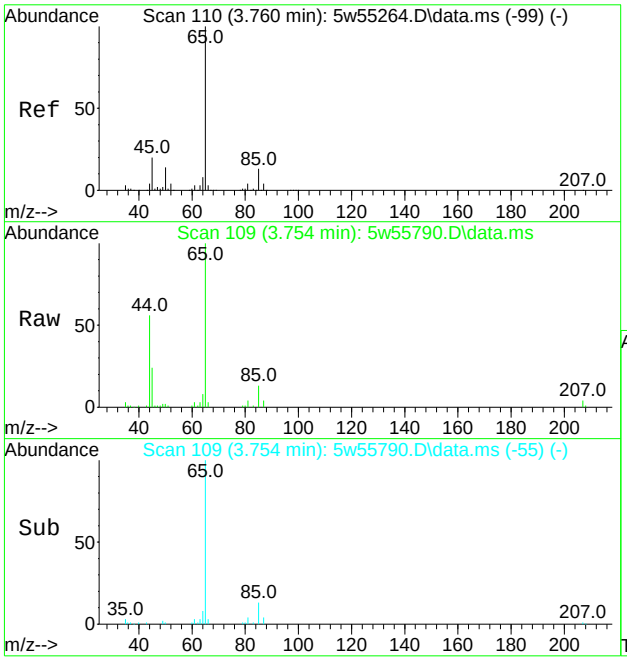


#6
DICHLORODIFLUOROMETHANE
Concen: 0.2381 PPBV
RT: 3.650 min Scan# 92
Delta R.T. -0.006 min
Lab File: 5w55790.D
Acq: 20 Dec 2024 10:55 pm

Tgt Ion: 85 Resp: 19041

Ion	Ratio	Lower	Upper
85	100		
87	33.6	2.6	62.6
50	13.8	0.0	43.0

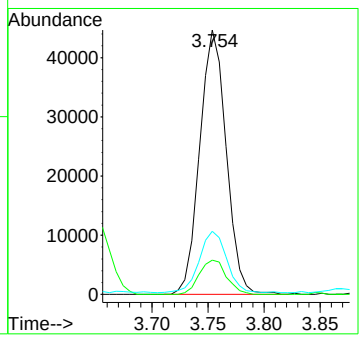


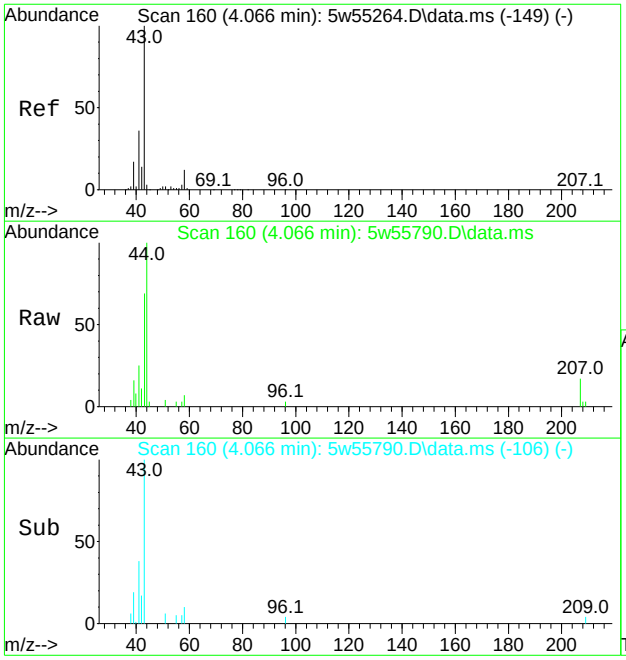


#8
1-CHLORO-1,1-DIFLUOROETHANE
Concen: 0.8970 PPBV
RT: 3.754 min Scan# 109
Delta R.T. 0.000 min
Lab File: 5w55790.D
Acq: 20 Dec 2024 10:55 pm

Tgt Ion: 65 Resp: 73446

Ion	Ratio	Lower	Upper
65	100		
85	13.3	10.1	18.7
45	24.3	15.9	29.5

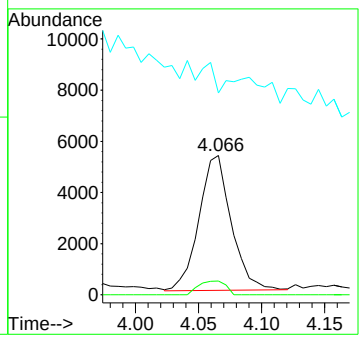


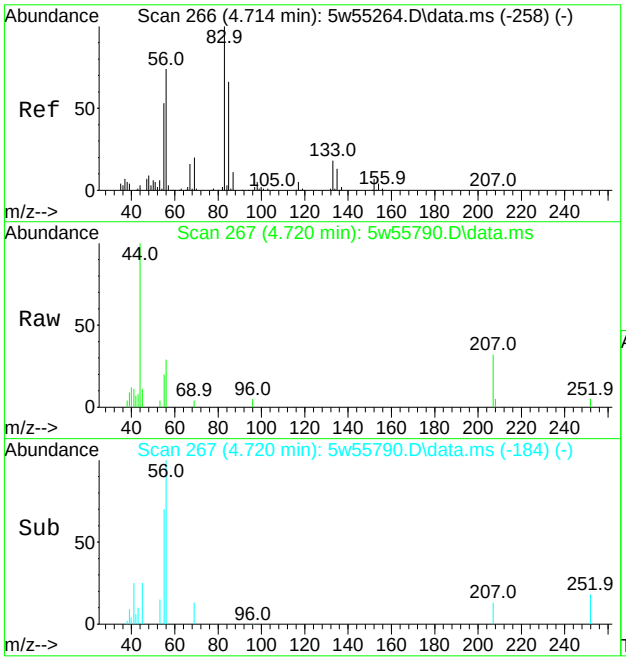


#13
n-BUTANE
Concen: 0.2002 PPBV
RT: 4.066 min Scan# 160
Delta R.T. 0.000 min
Lab File: 5w55790.D
Acq: 20 Dec 2024 10:55 pm

Tgt Ion: 43 Resp: 9356

Ion	Ratio	Lower	Upper
43	100		
58	8.6	0.0	41.6
44	0.0	0.0	34.7

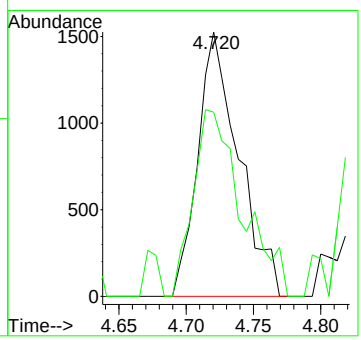


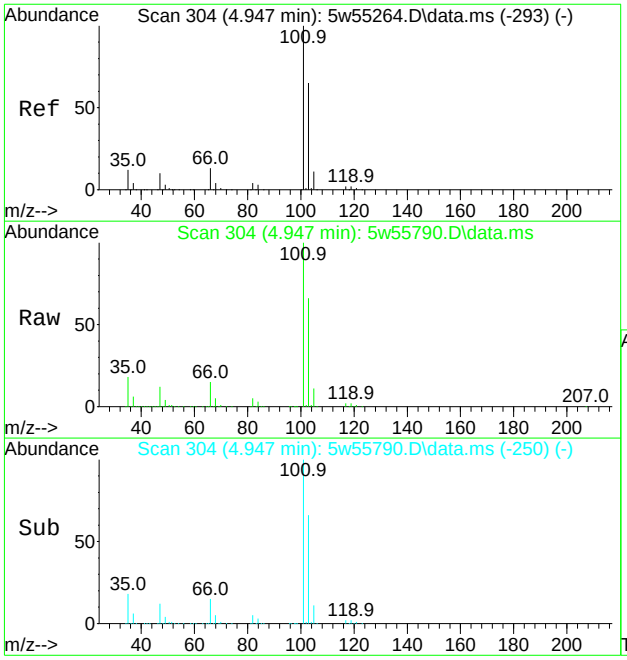


#18
ACROLEIN
Concen: 0.2729 PPBV
RT: 4.720 min Scan# 267
Delta R.T. 0.006 min
Lab File: 5w55790.D
Acq: 20 Dec 2024 10:55 pm

Tgt Ion: 56 Resp: 3218

Ion	Ratio	Lower	Upper
56	100		
55	84.2	49.8	92.6

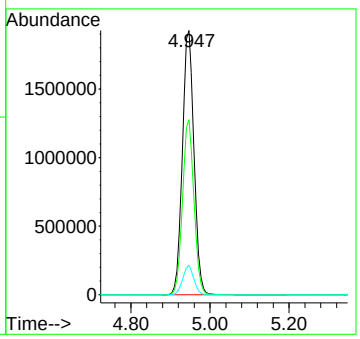


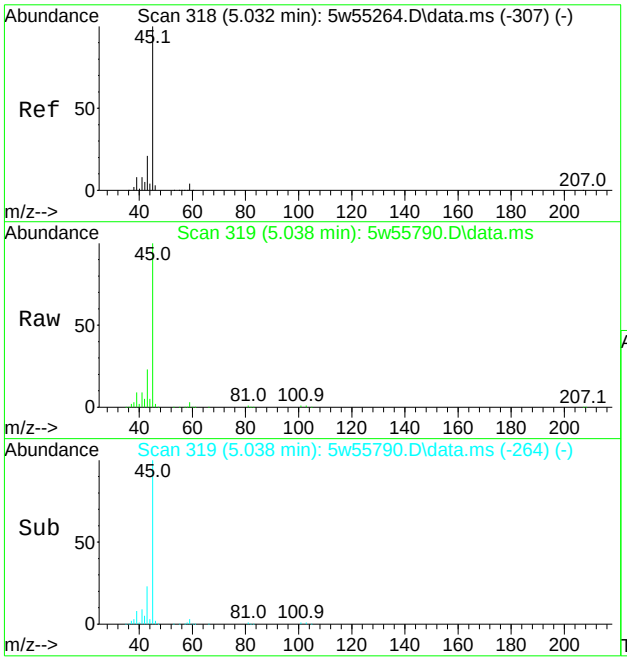


#21
TRICHLOROFLUOROMETHANE
Concen: 53.1712 PPBV
RT: 4.947 min Scan# 304
Delta R.T. 0.000 min
Lab File: 5w55790.D
Acq: 20 Dec 2024 10:55 pm

Tgt Ion:101 Resp: 3928786

Ion	Ratio	Lower	Upper
101	100		
103	65.5	34.7	94.7
105	10.7	0.0	40.5

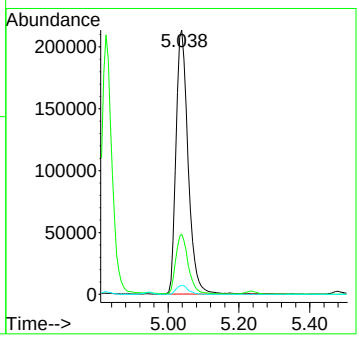


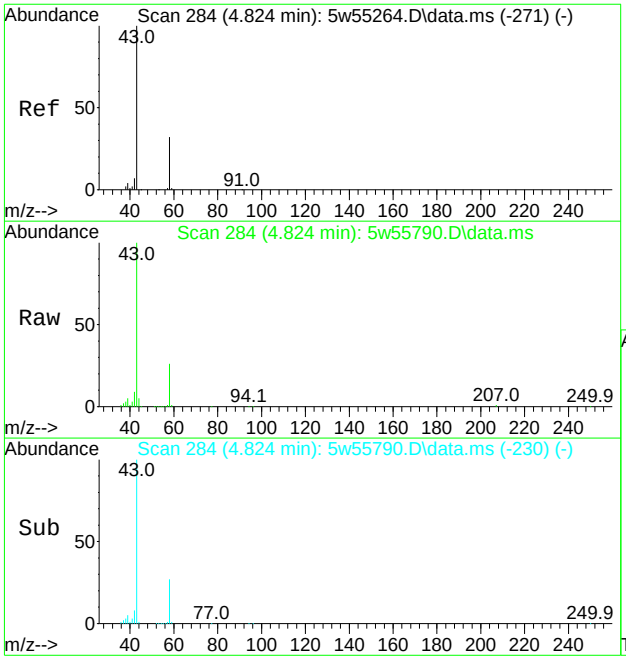


#22
ISOPROPYL ALCOHOL
Concen: 10.8595 PPBV
RT: 5.038 min Scan# 319
Delta R.T. 0.006 min
Lab File: 5w55790.D
Acq: 20 Dec 2024 10:55 pm

Tgt Ion: 45 Resp: 508404

Ion	Ratio	Lower	Upper
45	100		
43	22.8	0.0	50.8
59	3.4	0.0	33.8

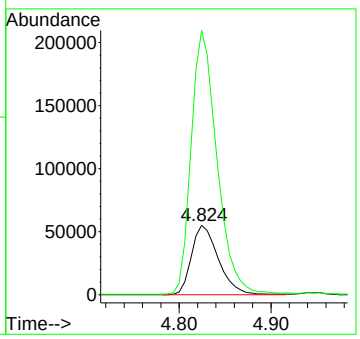


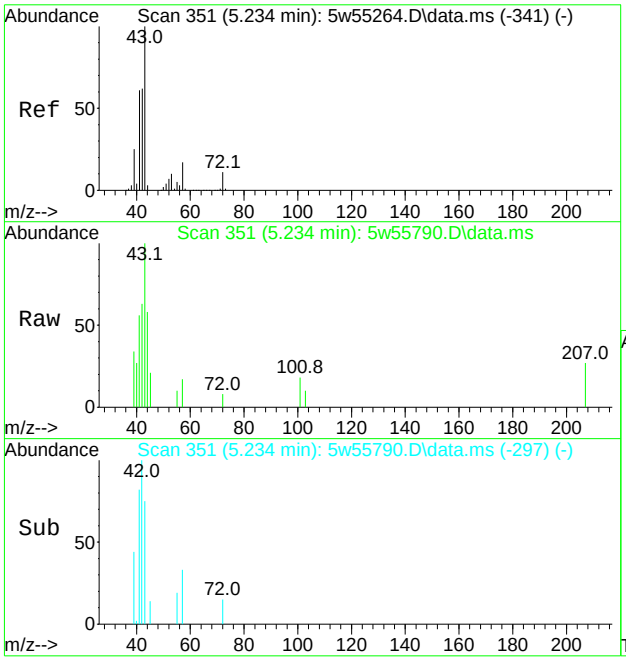


#23
ACETONE
Concen: 6.4009 PPBV
RT: 4.824 min Scan# 284
Delta R.T. 0.000 min
Lab File: 5w55790.D
Acq: 20 Dec 2024 10:55 pm

Tgt Ion: 58 Resp: 112954

Ion	Ratio	Lower	Upper
58	100		
43	365.0	312.3	372.3

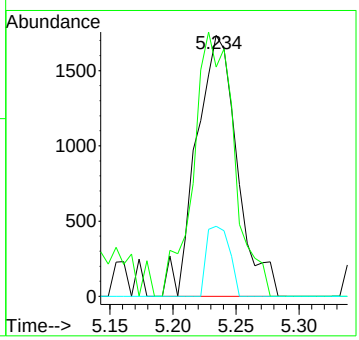


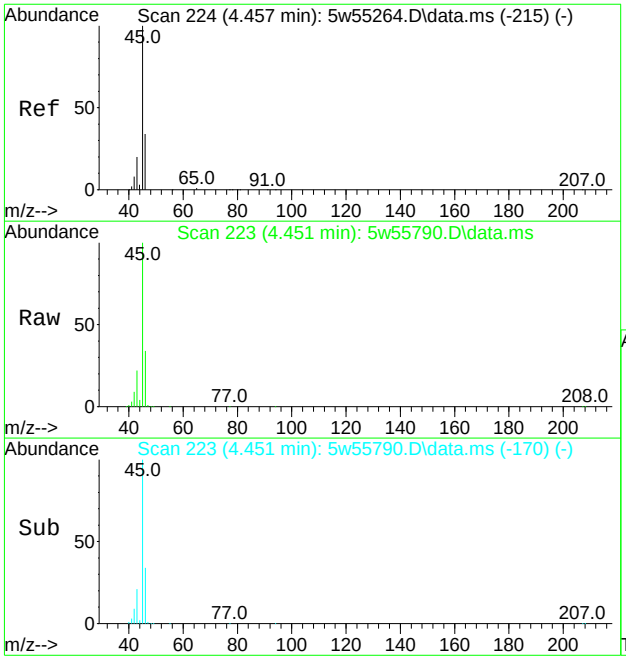


#24
PENTANE
Concen: 0.1680 PPBV
RT: 5.234 min Scan# 351
Delta R.T. 0.000 min
Lab File: 5w55790.D
Acq: 20 Dec 2024 10:55 pm

Tgt Ion: 42 Resp: 3908

Ion	Ratio	Lower	Upper
42	100		
41	100.8	64.4	124.4
57	15.1	0.0	55.0

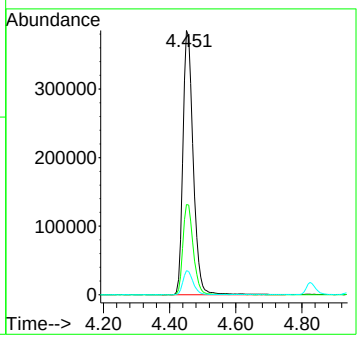


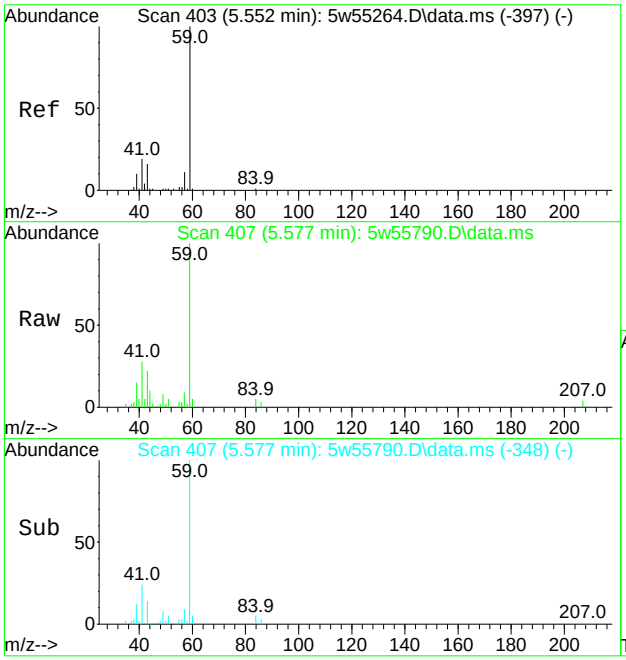


#28
ETHANOL
Concen: 48.7521 PPBV
RT: 4.451 min Scan# 223
Delta R.T. -0.006 min
Lab File: 5w55790.D
Acq: 20 Dec 2024 10:55 pm

Tgt Ion: 45 Resp: 836494

Ion	Ratio	Lower	Upper
45	100		
46	34.5	4.5	64.5
42	9.1	0.0	38.6

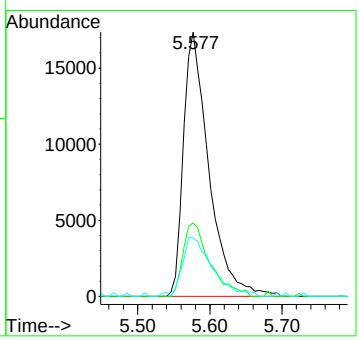


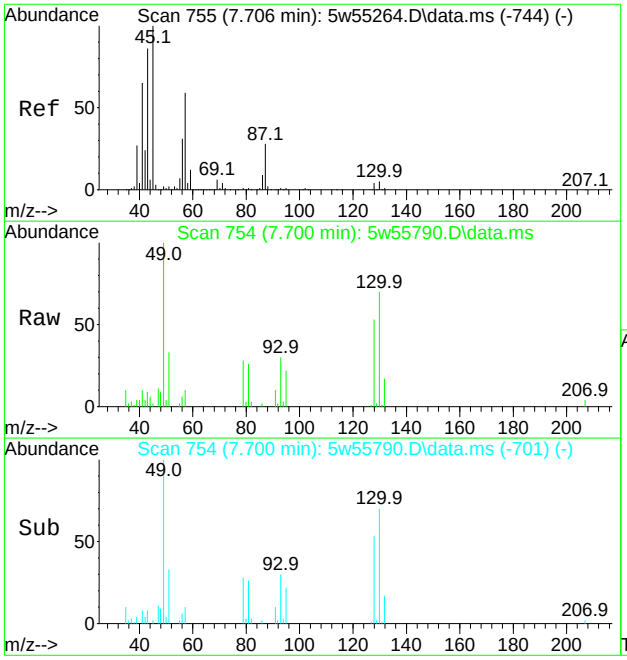


#35
TERTIARY BUTYL ALCOHOL
Concen: 0.9671 PPBV
RT: 5.577 min Scan# 407
Delta R.T. 0.031 min
Lab File: 5w55790.D
Acq: 20 Dec 2024 10:55 pm

Tgt Ion: 59 Resp: 42589

Ion	Ratio	Lower	Upper
59	100		
41	29.2	0.0	53.1
43	26.4	0.0	47.1

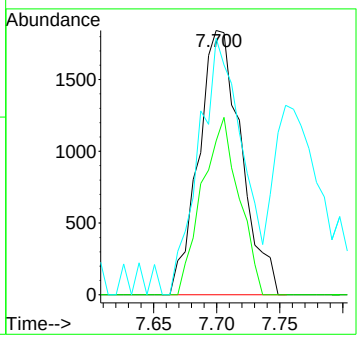


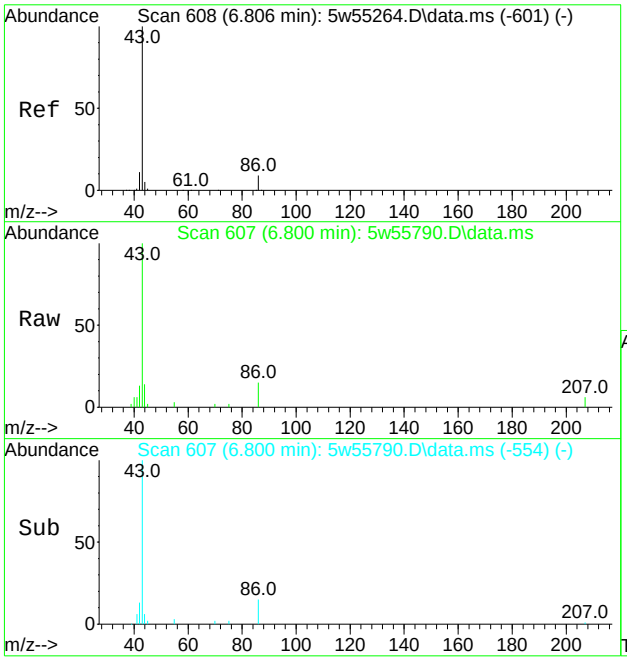


#38
HEXANE
Concen: 0.1263 PPBV
RT: 7.700 min Scan# 754
Delta R.T. -0.006 min
Lab File: 5w55790.D
Acq: 20 Dec 2024 10:55 pm

Tgt Ion: 57 Resp: 4331

Ion	Ratio	Lower	Upper
57	100		
56	58.0	24.2	84.2
41	99.4	92.1	152.1

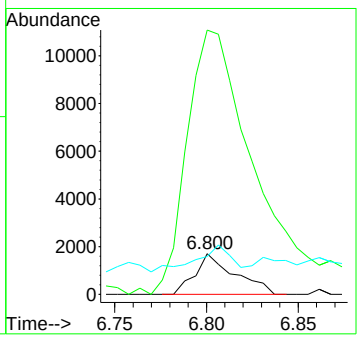


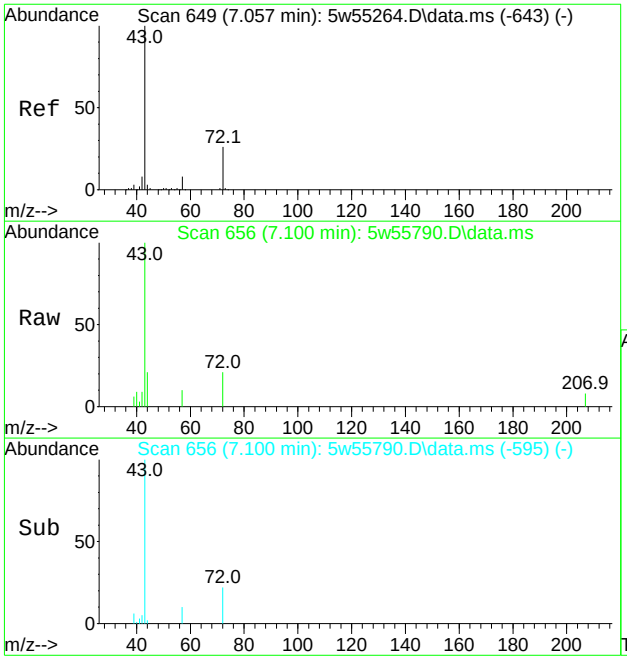


#39
VINYL ACETATE
Concen: 0.6572 PPBV
RT: 6.800 min Scan# 607
Delta R.T. -0.006 min
Lab File: 5w55790.D
Acq: 20 Dec 2024 10:55 pm

Tgt Ion: 86 Resp: 2575

Ion	Ratio	Lower	Upper
86	100		
43	1248.6	1335.5	1395.5#
44	60.7	40.9	100.9

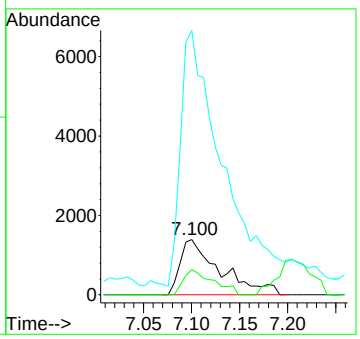


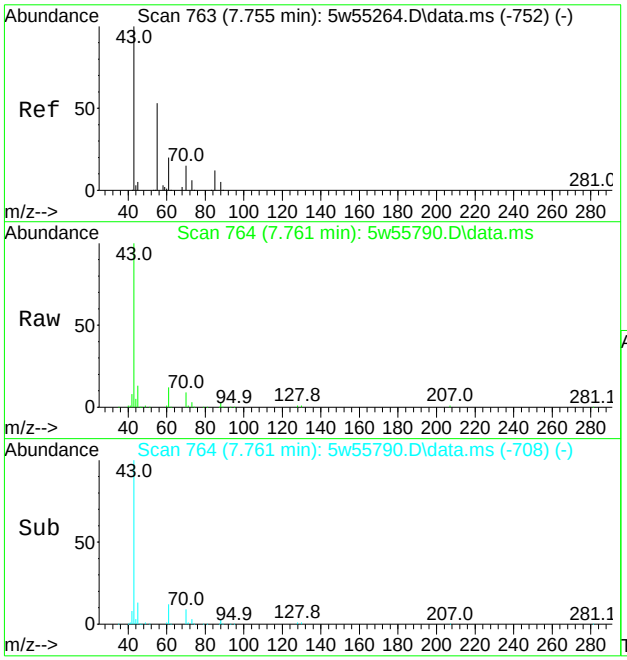


#41
METHYL ETHYL KETONE
Concen: 0.4218 PPBV
RT: 7.100 min Scan# 656
Delta R.T. 0.043 min
Lab File: 5w55790.D
Acq: 20 Dec 2024 10:55 pm

Tgt Ion: 72 Resp: 4003

Ion	Ratio	Lower	Upper
72	100		
57	45.5	1.1	61.1
43	478.9	390.6	450.6#

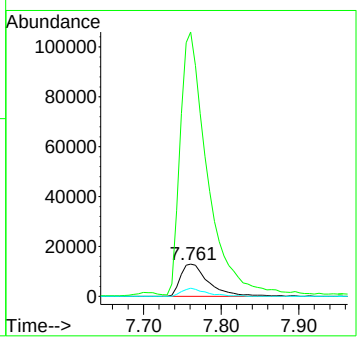


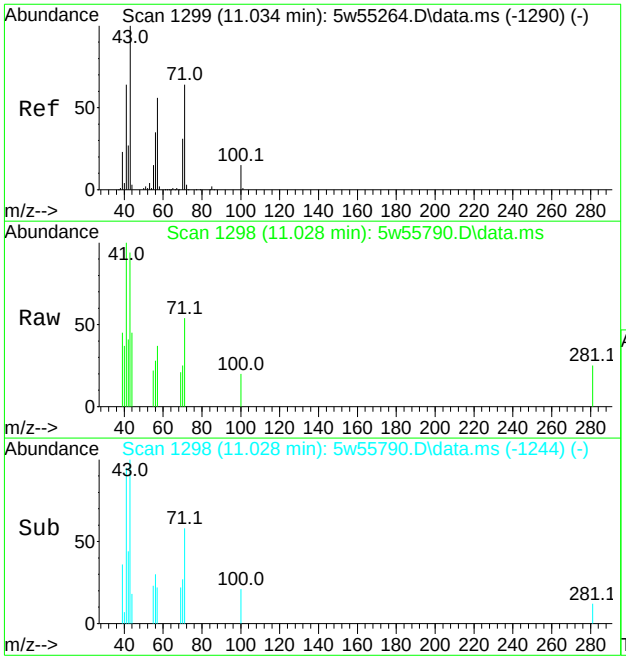


#44
ETHYL ACETATE
Concen: 4.6959 PPBV
RT: 7.761 min Scan# 764
Delta R.T. 0.012 min
Lab File: 5w55790.D
Acq: 20 Dec 2024 10:55 pm

Tgt Ion: 61 Resp: 32876

Ion	Ratio	Lower	Upper
61	100		
43	805.9	0.0	30.0#
88	22.0	7.3	67.3

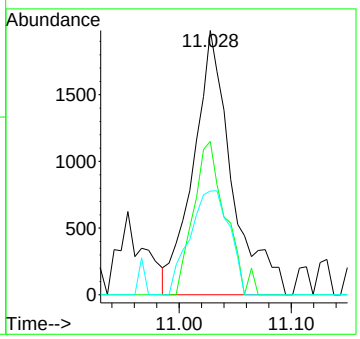


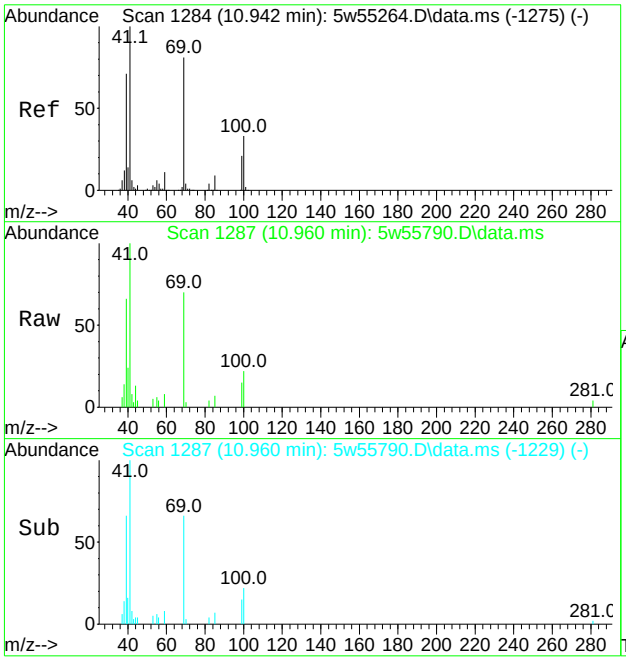


#62
HEPTANE
Concen: 0.1141 PPBV
RT: 11.028 min Scan# 1298
Delta R.T. 0.000 min
Lab File: 5w55790.D
Acq: 20 Dec 2024 10:55 pm

Tgt Ion: 43 Resp: 4720

Ion	Ratio	Lower	Upper
43	100		
71	48.2	27.2	87.2
57	40.9	22.5	82.5

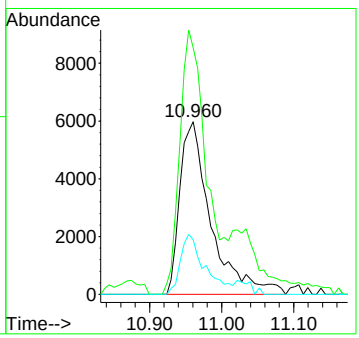


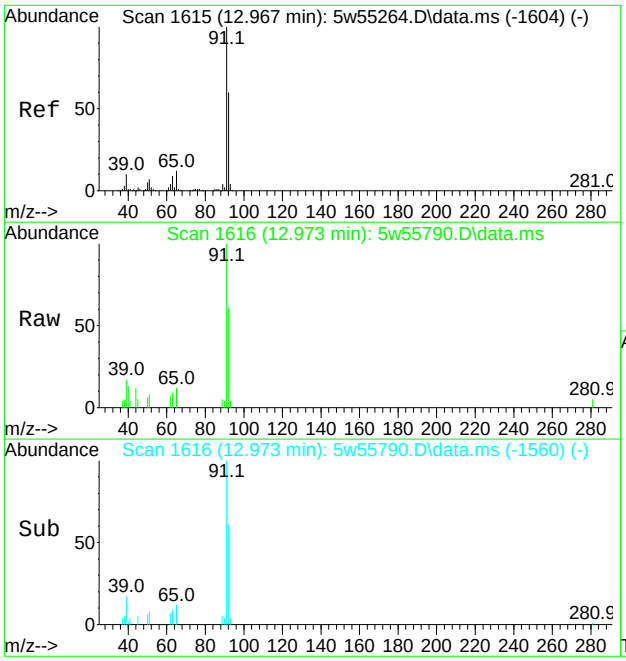


#63
METHYL METHACRYLATE
Concen: 0.6897 PPBV
RT: 10.960 min Scan# 1287
Delta R.T. 0.024 min
Lab File: 5w55790.D
Acq: 20 Dec 2024 10:55 pm

Tgt Ion: 69 Resp: 17890

Ion	Ratio	Lower	Upper
69	100		
41	173.0	97.3	157.3#
100	31.4	3.0	63.0

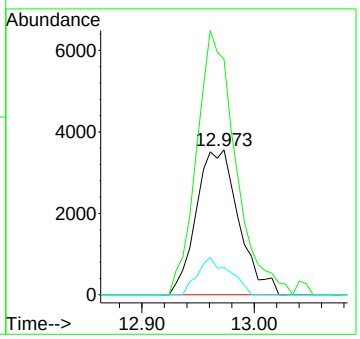


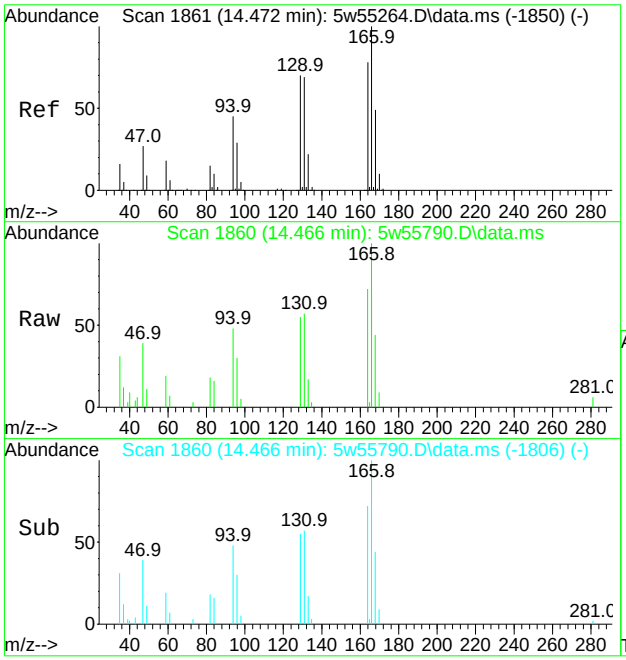


#66
TOLUENE
Concen: 0.1724 PPBV
RT: 12.973 min Scan# 1616
Delta R.T. 0.012 min
Lab File: 5w55790.D
Acq: 20 Dec 2024 10:55 pm

Tgt Ion: 92 Resp: 9407

Ion	Ratio	Lower	Upper
92	100		
91	166.7	143.4	203.4
65	19.5	0.0	53.8

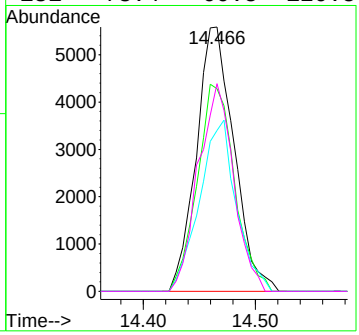


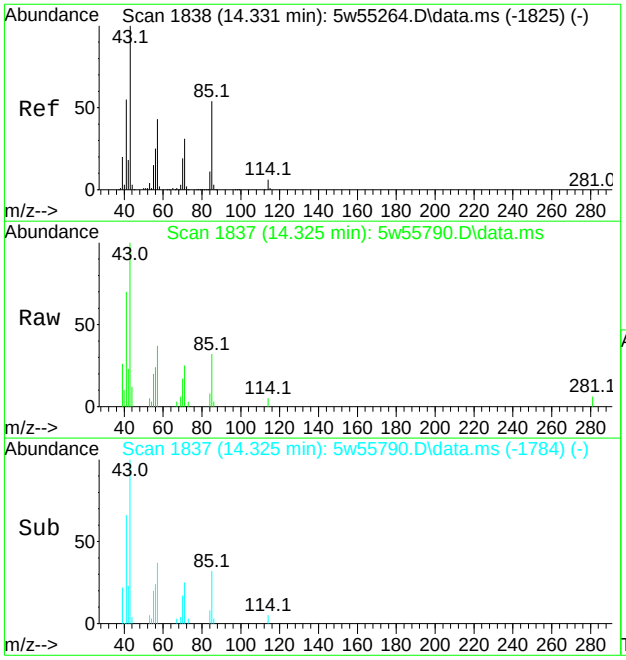


#73
TETRACHLOROETHYLENE
Concen: 0.3548 PPBV
RT: 14.466 min Scan# 1860
Delta R.T. 0.000 min
Lab File: 5w55790.D
Acq: 20 Dec 2024 10:55 pm

Tgt Ion:164 Resp: 13038

Ion	Ratio	Lower	Upper
164	100		
129	77.6	64.4	124.4
168	63.2	31.2	91.2
131	73.4	60.5	120.5

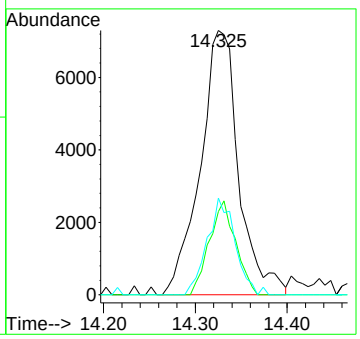


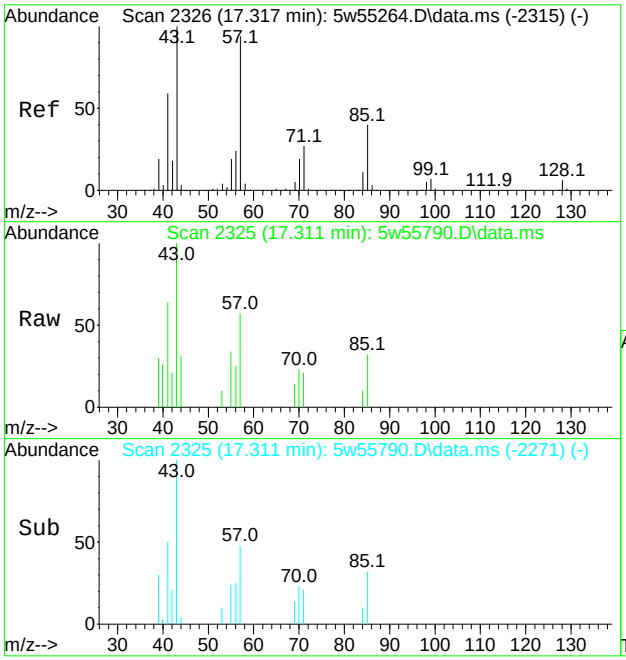


#76
OCTANE
Concen: 0.4299 PPBV
RT: 14.325 min Scan# 1837
Delta R.T. -0.006 min
Lab File: 5w55790.D
Acq: 20 Dec 2024 10:55 pm

Tgt Ion: 43 Resp: 21246

Ion	Ratio	Lower	Upper
43	100		
85	24.5	13.7	73.7
57	26.7	9.9	69.9

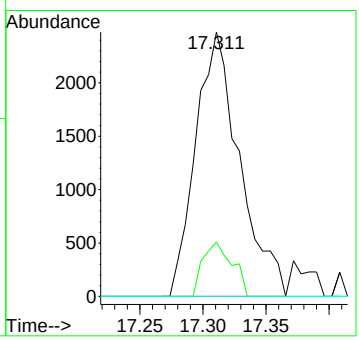




#83
NONANE
Concen: 0.1158 PPBV
RT: 17.311 min Scan# 2325
Delta R.T. 0.000 min
Lab File: 5w55790.D
Acq: 20 Dec 2024 10:55 pm

Tgt Ion: 43 Resp: 5975

Ion	Ratio	Lower	Upper
43	100		
71	13.8	0.0	53.8
128	0.0	0.0	34.3



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\122424\v5w2138\
Data File : 5w55830.D
Acq On : 23 Dec 2024 7:01 pm
Operator : thomash
Sample : je2490-1 Inst : GCMS5W
Misc : MS88104,V5W2138,20,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 24 17:08:18 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

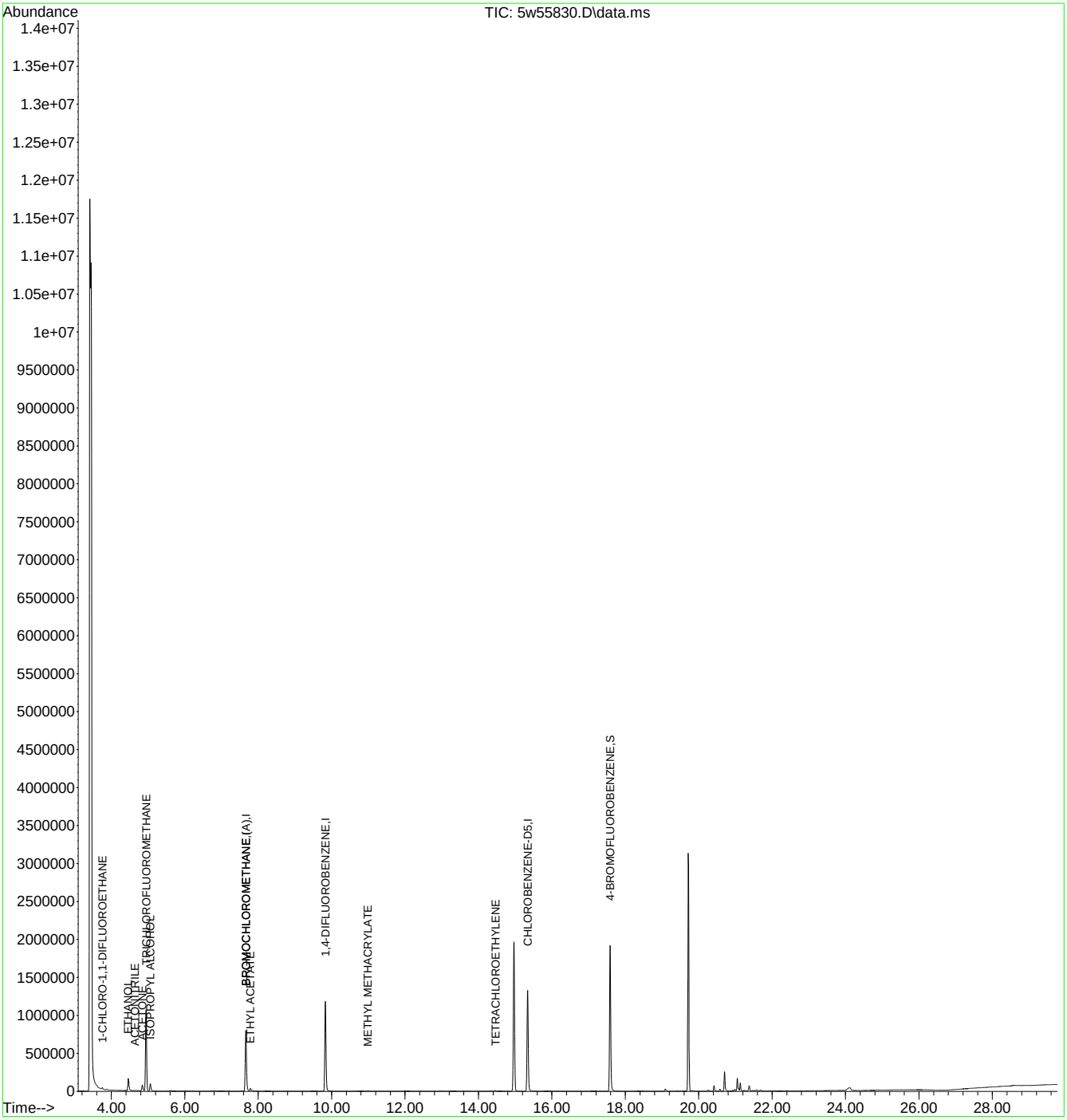
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	7.663	128	215745	10.00	PPBV	# 0.00
51) 1,4-DIFLUOROBENZENE	9.829	114	1039188	10.00	PPBV	0.00
70) CHLOROBENZENE-D5	15.341	82	542678	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	7.663	128	215745	10.00	PPBV	# 0.00
System Monitoring Compounds						
85) 4-BROMOFLUOROBENZENE	17.586	95	679525	11.19	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 111.90%			
Target Compounds						Qvalue
8) 1-CHLORO-1,1-DIFLUOROE...	3.754	65	16873	0.2090	PPBV	# 83
17) ACETONITRILE	4.641	41	3660	0.1375	PPBV	# 81
21) TRICHLOROFLUOROMETHANE	4.947	101	882652	12.1144	PPBV	100
22) ISOPROPYL ALCOHOL	5.063	45	133627	2.8946	PPBV	97
23) ACETONE	4.843	58	29116	1.6733	PPBV	91
28) ETHANOL	4.457	45	211431	12.4967	PPBV	98
44) ETHYL ACETATE	7.785	61	6766	0.9801	PPBV	# 67
63) METHYL METHACRYLATE	10.979	69	3293	0.1315	PPBV	# 56
73) TETRACHLOROETHYLENE	14.472	164	3290	0.0928	PPBV	82

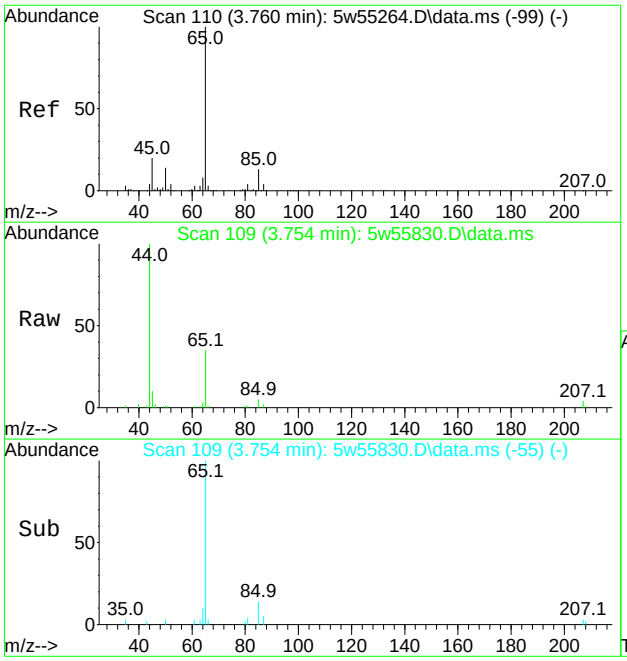
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\122424\v5w2138\
Data File : 5w55830.D
Acq On : 23 Dec 2024 7:01 pm
Operator : thomash
Sample : je2490-1 Inst : GCMS5W
Misc : MS88104,V5W2138,20,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 24 17:08:18 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

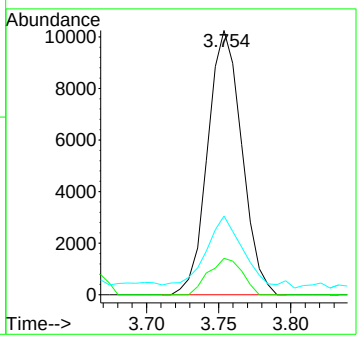


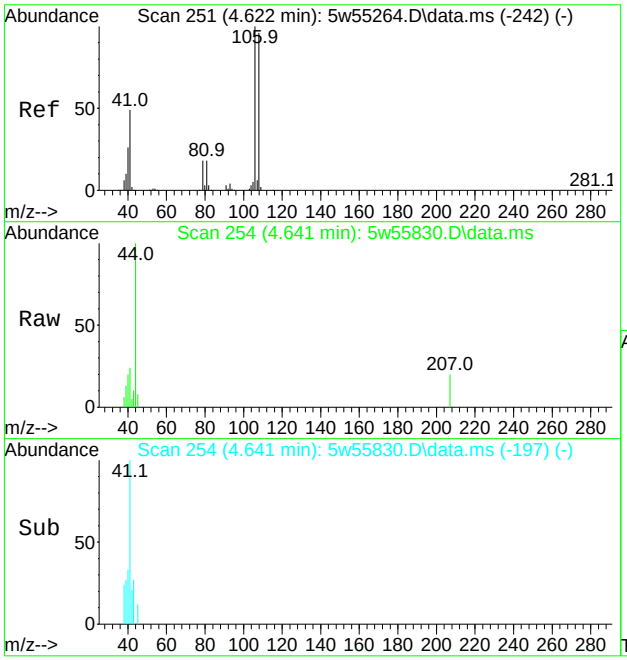


#8
1-CHLORO-1,1-DIFLUOROETHANE
Concen: 0.2090 PPBV
RT: 3.754 min Scan# 109
Delta R.T. -0.000 min
Lab File: 5w55830.D
Acq: 23 Dec 2024 7:01 pm

Tgt Ion: 65 Resp: 16873

Ion	Ratio	Lower	Upper
65	100		
85	13.6	10.1	18.7
45	35.9	15.9	29.5#

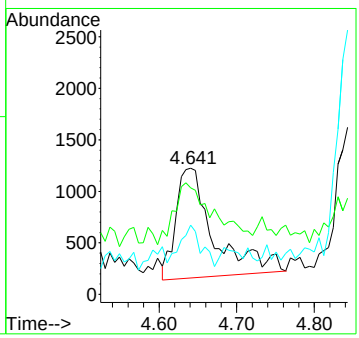


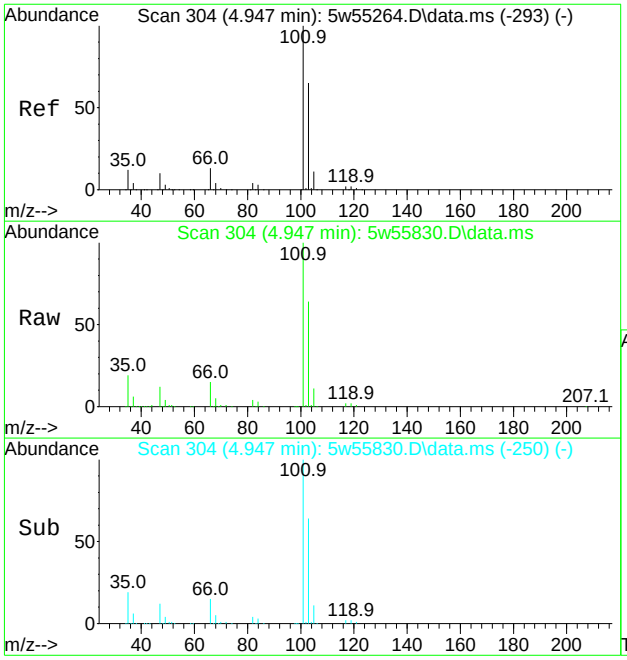


#17
ACETONITRILE
Concen: 0.1375 PPBV
RT: 4.641 min Scan# 254
Delta R.T. 0.018 min
Lab File: 5w55830.D
Acq: 23 Dec 2024 7:01 pm

Tgt Ion: 41 Resp: 3660

Ion	Ratio	Lower	Upper
41	100		
40	62.9	38.4	71.4
39	0.0	13.7	25.5#

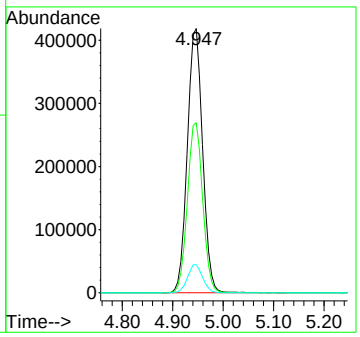


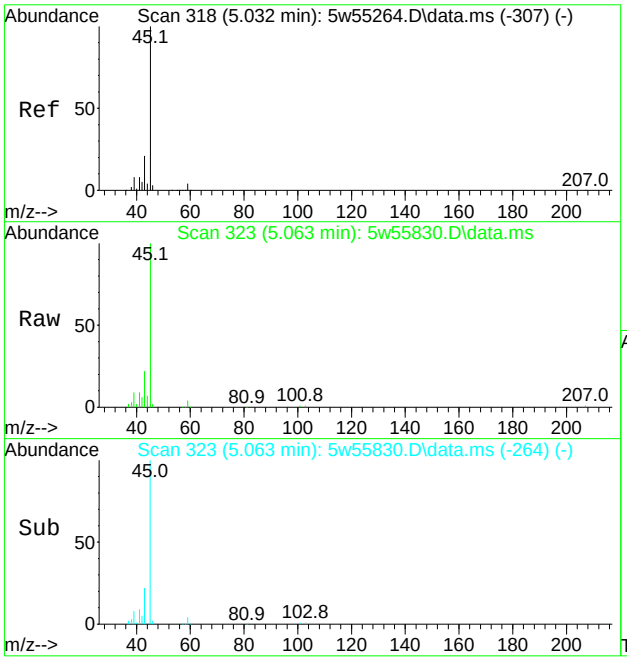


#21
TRICHLOROFLUOROMETHANE
Concen: 12.1144 PPBV
RT: 4.947 min Scan# 304
Delta R.T. -0.000 min
Lab File: 5w55830.D
Acq: 23 Dec 2024 7:01 pm

Tgt Ion:101 Resp: 882652

Ion	Ratio	Lower	Upper
101	100		
103	64.6	34.7	94.7
105	10.5	0.0	40.5

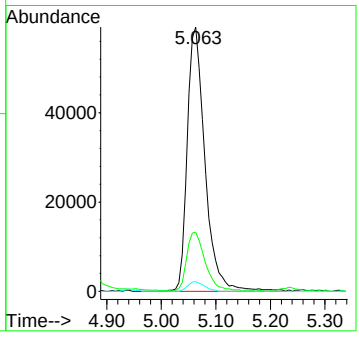


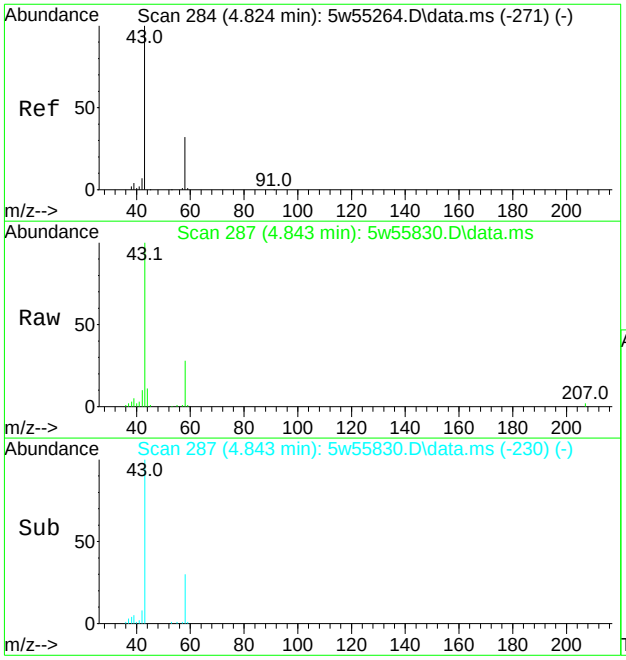


#22
ISOPROPYL ALCOHOL
Concen: 2.8946 PPBV
RT: 5.063 min Scan# 323
Delta R.T. 0.031 min
Lab File: 5w55830.D
Acq: 23 Dec 2024 7:01 pm

Tgt Ion: 45 Resp: 133627

Ion	Ratio	Lower	Upper
45	100		
43	22.4	0.0	50.8
59	3.7	0.0	33.8

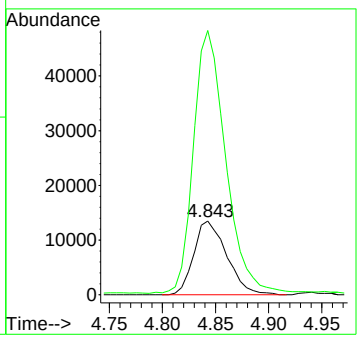


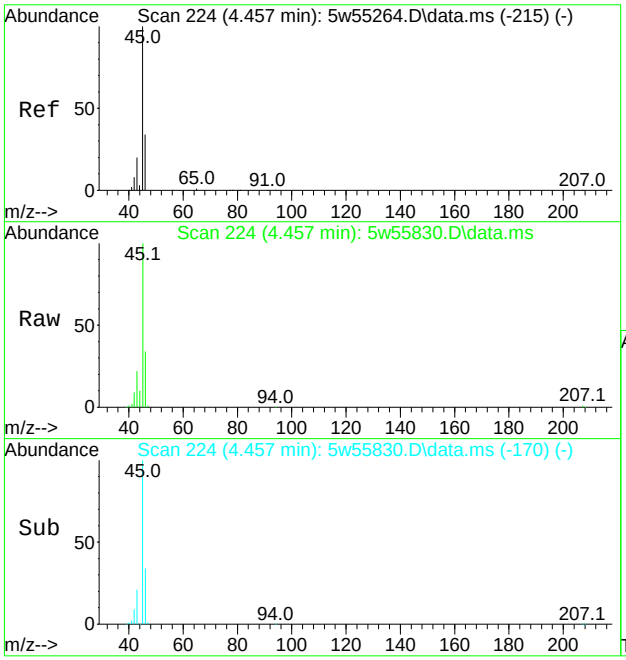


#23
ACETONE
Concen: 1.6733 PPBV
RT: 4.843 min Scan# 287
Delta R.T. 0.018 min
Lab File: 5w55830.D
Acq: 23 Dec 2024 7:01 pm

Tgt Ion: 58 Resp: 29116

Ion	Ratio	Lower	Upper
58	100		
43	362.2	312.3	372.3

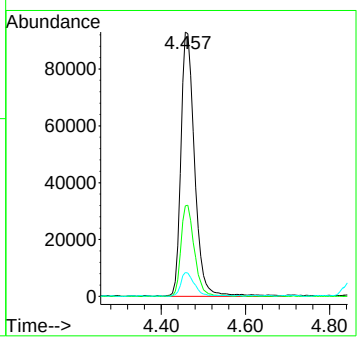


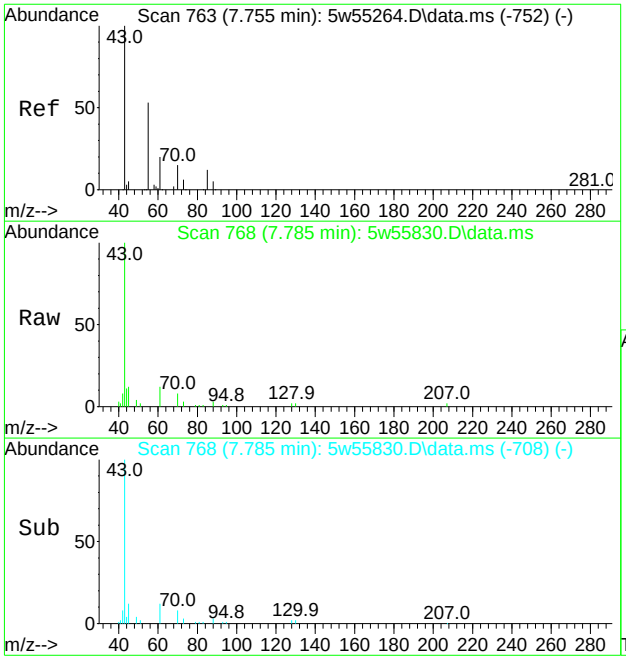


#28
ETHANOL
Concen: 12.4967 PPBV
RT: 4.457 min Scan# 224
Delta R.T. -0.000 min
Lab File: 5w55830.D
Acq: 23 Dec 2024 7:01 pm

Tgt Ion: 45 Resp: 211431

Ion	Ratio	Lower	Upper
45	100		
46	33.7	4.5	64.5
42	9.4	0.0	38.6

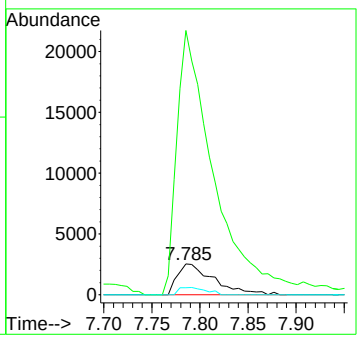


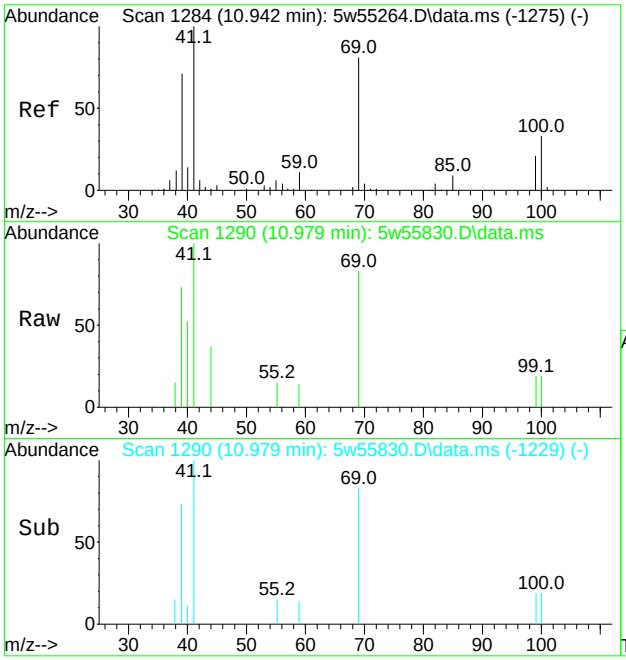


#44
ETHYL ACETATE
Concen: 0.9801 PPBV
RT: 7.785 min Scan# 768
Delta R.T. 0.037 min
Lab File: 5w55830.D
Acq: 23 Dec 2024 7:01 pm

Tgt Ion: 61 Resp: 6766

Ion	Ratio	Lower	Upper
61	100		
43	914.5	0.0	30.0#
88	17.5	7.3	67.3

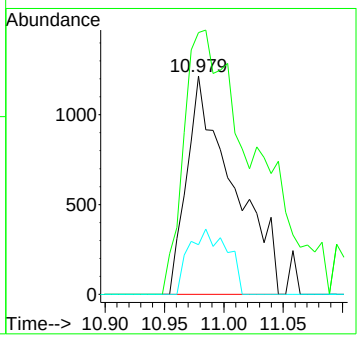


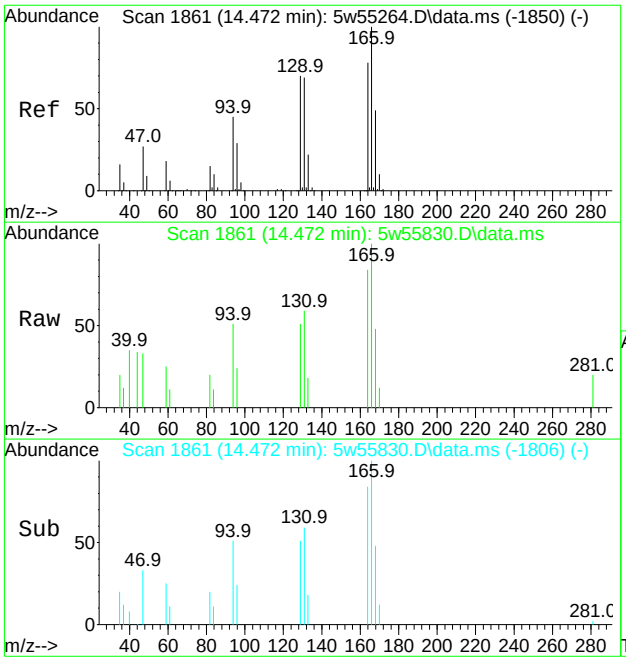


#63
METHYL METHACRYLATE
Concen: 0.1315 PPBV
RT: 10.979 min Scan# 1290
Delta R.T. 0.043 min
Lab File: 5w55830.D
Acq: 23 Dec 2024 7:01 pm

Tgt Ion: 69 Resp: 3293

Ion	Ratio	Lower	Upper
69	100		
41	187.4	97.3	157.3#
100	24.7	3.0	63.0

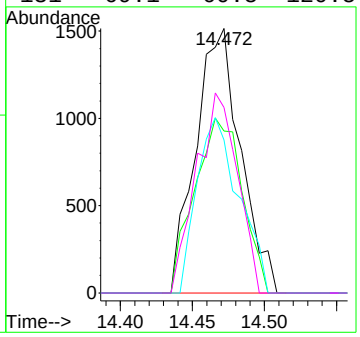




#73
TETRACHLOROETHYLENE
Concen: 0.0928 PPBV
RT: 14.472 min Scan# 1861
Delta R.T. 0.006 min
Lab File: 5w55830.D
Acq: 23 Dec 2024 7:01 pm

Tgt Ion:164 Resp: 3290

Ion	Ratio	Lower	Upper
164	100		
129	70.0	64.4	124.4
168	62.0	31.2	91.2
131	69.1	60.5	120.5



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 12/23/24 11:38

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55791.D
Acq On : 20 Dec 2024 11:46 pm
Operator : thomash
Sample : je2490-2 Inst : GCMS5W
Misc : MS88104,V5W2136,725,,,,1.45
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 23 07:56:46 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

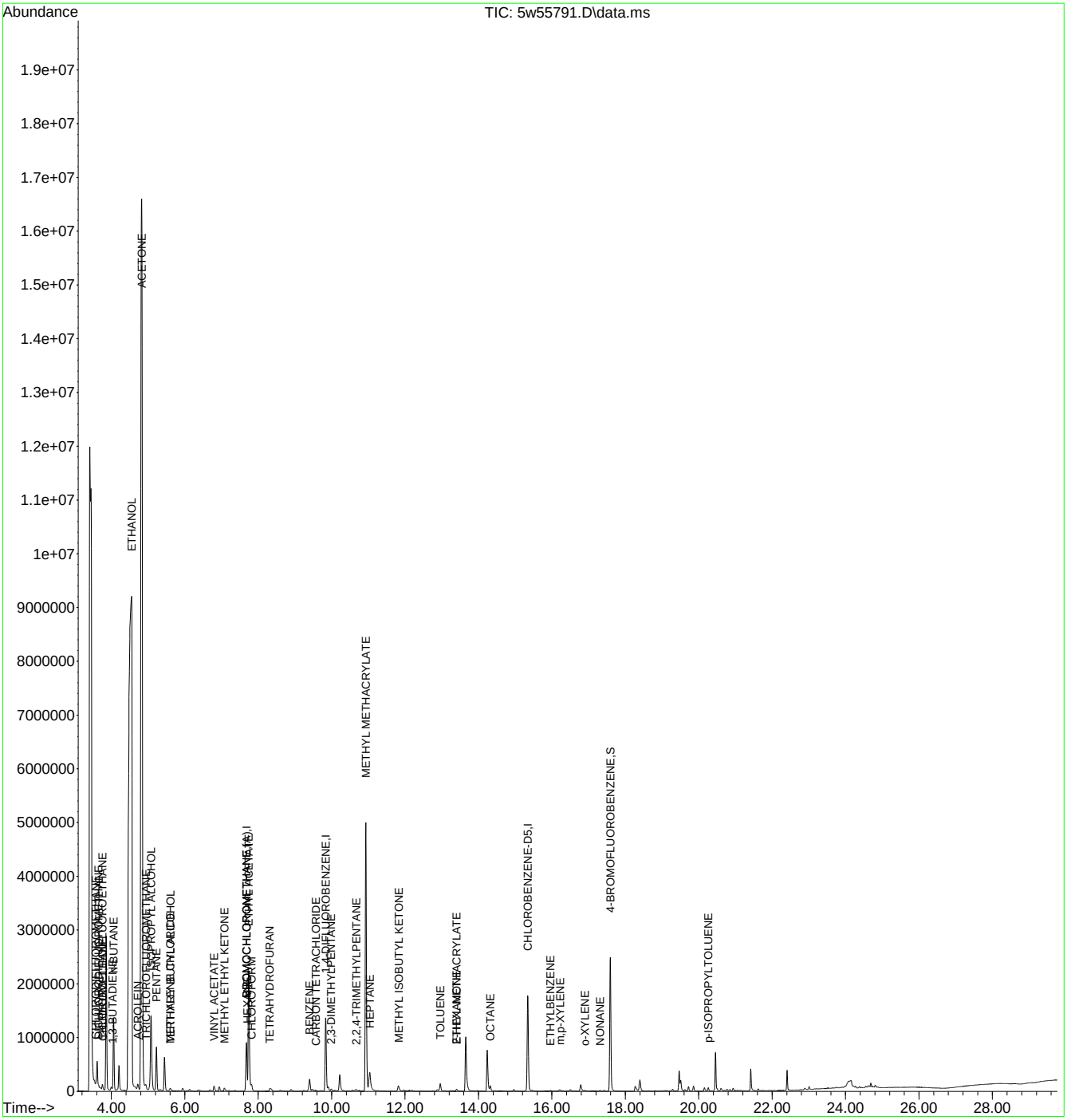
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	7.681	128	241587	10.00	PPBV	# 0.01
51) 1,4-DIFLUOROBENZENE	9.835	114	1193445	10.00	PPBV	0.00
70) CHLOROBENZENE-D5	15.341	82	722409	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	7.681	128	241587	10.00	PPBV	# 0.01
System Monitoring Compounds						
85) 4-BROMOFLUOROBENZENE	17.592	95	915458	11.32	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 113.20%			
Target Compounds						Qvalue
4) CHLORODIFLUOROMETHANE	3.570	67	7443	0.8031	PPBV	98
6) DICHLORODIFLUOROMETHANE	3.650	85	52440	0.5940	PPBV	99
8) 1-CHLORO-1,1-DIFLUOROE...	3.754	65	55187	0.6104	PPBV #	53
10) CHLOROMETHANE	3.766	52	9013	0.7917	PPBV	96
12) 1,3-BUTADIENE	4.029	54	12065	0.4484	PPBV #	26
13) n-BUTANE	4.060	43	1143614	22.1581	PPBV	99
18) ACROLEIN	4.720	56	106828	8.2061	PPBV	99
21) TRICHLOROFLUOROMETHANE	4.940	101	53747	0.6588	PPBV	99
22) ISOPROPYL ALCOHOL	5.081	45	2192736	42.4180	PPBV	97
23) ACETONE	4.824	58	10119543	519.3526	PPBV #	69
24) PENTANE	5.228	42	337769	13.1532	PPBV	97
28) ETHANOL	4.549	45	30146028	1591.1928	PPBV	97
31) METHYLENE CHLORIDE	5.607	84	14893	0.5878	PPBV	93
35) TERTIARY BUTYL ALCOHOL	5.613	59	18461	0.3796	PPBV #	52
37) TETRAHYDROFURAN	8.317	72	2642	0.2520	PPBV #	1
38) HEXANE	7.700	57	29526	0.7800	PPBV	82
39) VINYL ACETATE	6.800	86	12106	2.7981	PPBV #	54
41) METHYL ETHYL KETONE	7.076	72	20884m	1.9929	PPBV	
44) ETHYL ACETATE	7.742	61	410962	53.1618	PPBV #	76
46) CHLOROFORM	7.816	83	85424	1.3774	PPBV	97
49) CARBON TETRACHLORIDE	9.565	117	7367	0.1107	PPBV	94
52) BENZENE	9.400	78	220695	2.5513	PPBV	99
54) 2,3-DIMETHYLPENTANE	9.981	71	6711	0.3825	PPBV #	68
60) 2,2,4-TRIMETHYLPENTANE	10.673	57	23081	0.1757	PPBV #	44
62) HEPTANE	11.040	43	721750m	15.7308	PPBV	
63) METHYL METHACRYLATE	10.930	69	2128109	74.0016	PPBV	94
64) METHYL ISOBUTYL KETONE	11.835	58	3673	0.1503	PPBV #	1
66) TOLUENE	12.961	92	68694	1.1354	PPBV	100
71) 2-HEXANONE	13.401	58	5592	0.1641	PPBV	82
72) ETHYL METHACRYLATE	13.401	69	18271	0.3662	PPBV	95
76) OCTANE	14.325	43	73335m	1.1557	PPBV	
79) ETHYLBENZENE	15.958	91	15384	0.1155	PPBV	97
80) m,p-XYLENE	16.221	106	11918	0.2358	PPBV #	76
81) o-XYLENE	16.901	106	5557	0.1133	PPBV	91
83) NONANE	17.310	43	9169	0.1385	PPBV #	93
102) p-ISOPROPYLTOLUENE	20.259	134	7884	0.2151	PPBV	97

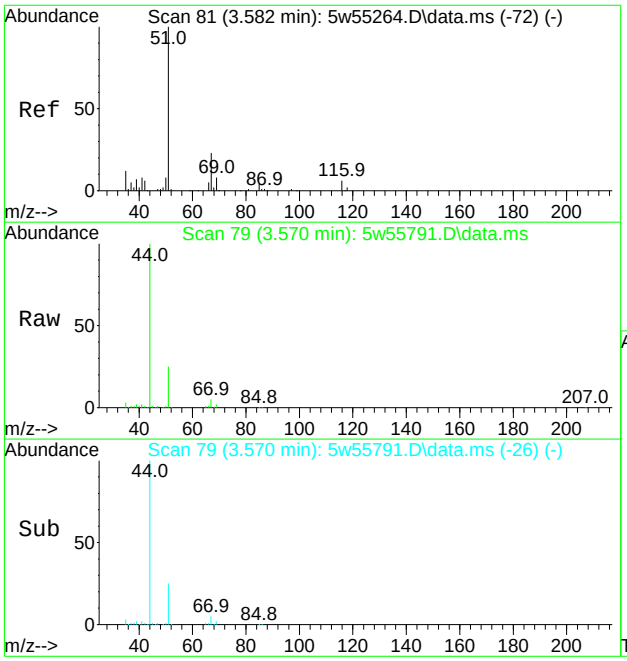
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55791.D
Acq On : 20 Dec 2024 11:46 pm
Operator : thomash
Sample : je2490-2 Inst : GCMS5W
Misc : MS88104,V5W2136,725,,,,1.45
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 23 07:56:46 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

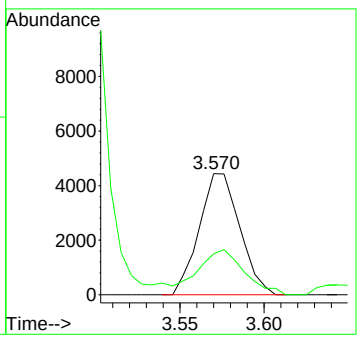


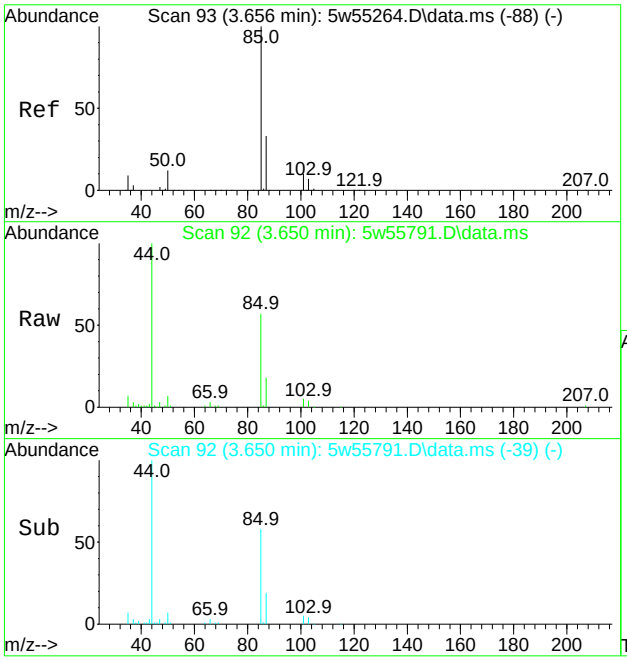


#4
CHLORODIFLUOROMETHANE
Concen: 0.8031 PPBV
RT: 3.570 min Scan# 79
Delta R.T. -0.006 min
Lab File: 5w55791.D
Acq: 20 Dec 2024 11:46 pm

Tgt Ion: 67 Resp: 7443

Ion	Ratio	Lower	Upper
67	100		
69	33.8	2.9	62.9

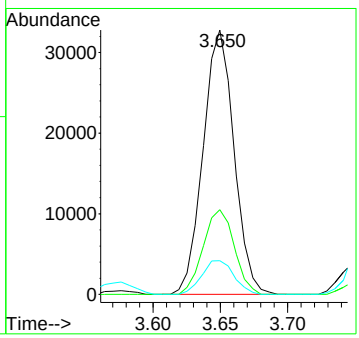


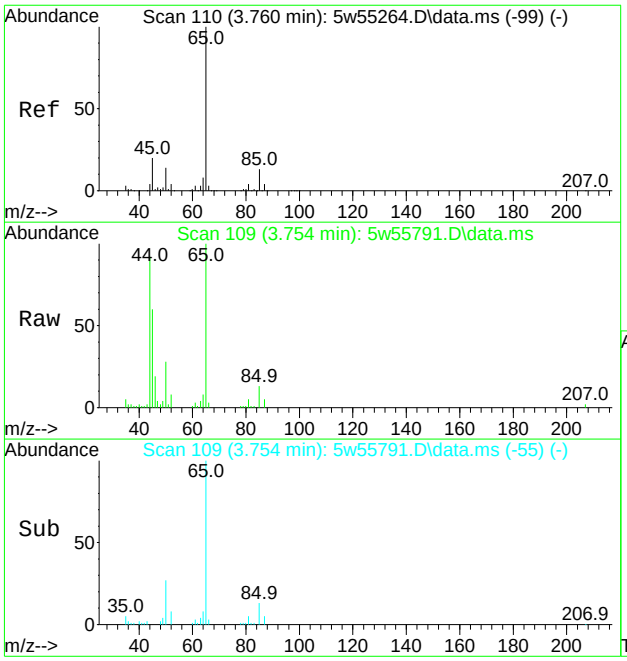


#6
DICHLORODIFLUOROMETHANE
Concen: 0.5940 PPBV
RT: 3.650 min Scan# 92
Delta R.T. -0.006 min
Lab File: 5w55791.D
Acq: 20 Dec 2024 11:46 pm

Tgt Ion: 85 Resp: 52440

Ion	Ratio	Lower	Upper
85	100		
87	32.2	2.6	62.6
50	13.4	0.0	43.0

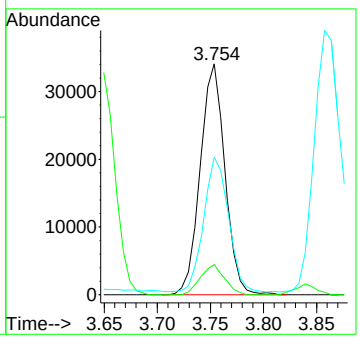


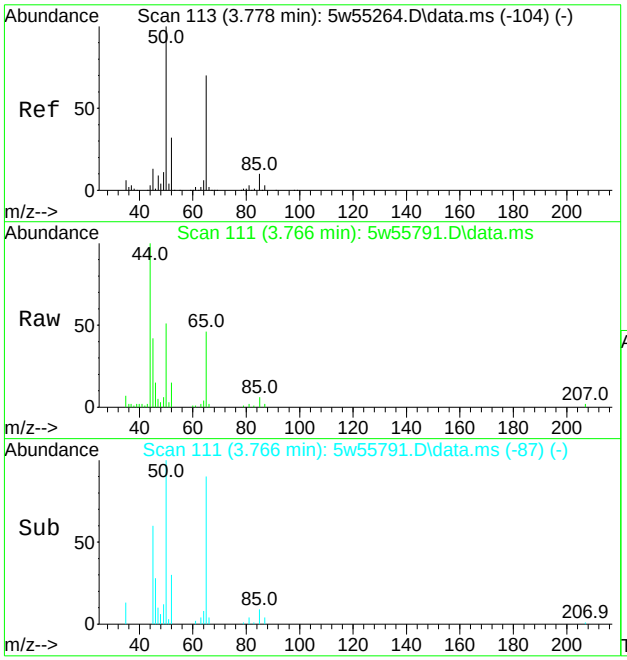


#8
1-CHLORO-1,1-DIFLUOROETHANE
Concen: 0.6104 PPBV
RT: 3.754 min Scan# 109
Delta R.T. -0.000 min
Lab File: 5w55791.D
Acq: 20 Dec 2024 11:46 pm

Tgt Ion: 65 Resp: 55187

Ion	Ratio	Lower	Upper
65	100		
85	12.7	10.1	18.7
45	58.7	15.9	29.5#

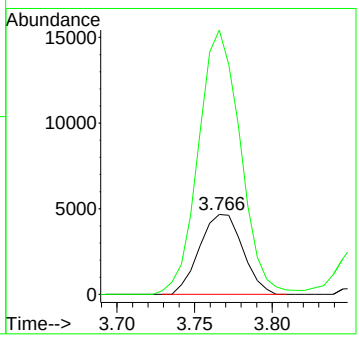


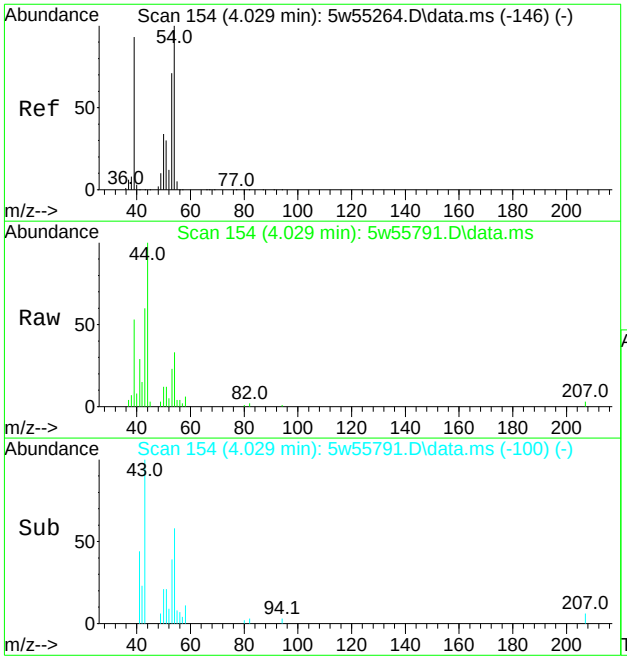


#10
CHLOROMETHANE
Concen: 0.7917 PPBV
RT: 3.766 min Scan# 111
Delta R.T. -0.006 min
Lab File: 5w55791.D
Acq: 20 Dec 2024 11:46 pm

Tgt Ion: 52 Resp: 9013

Ion	Ratio	Lower	Upper
52	100		
50	325.5	287.9	347.9

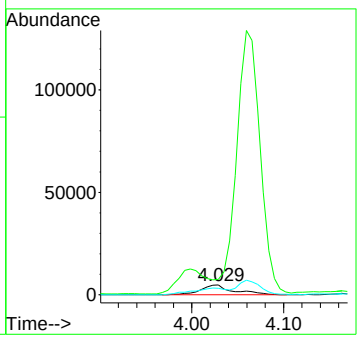


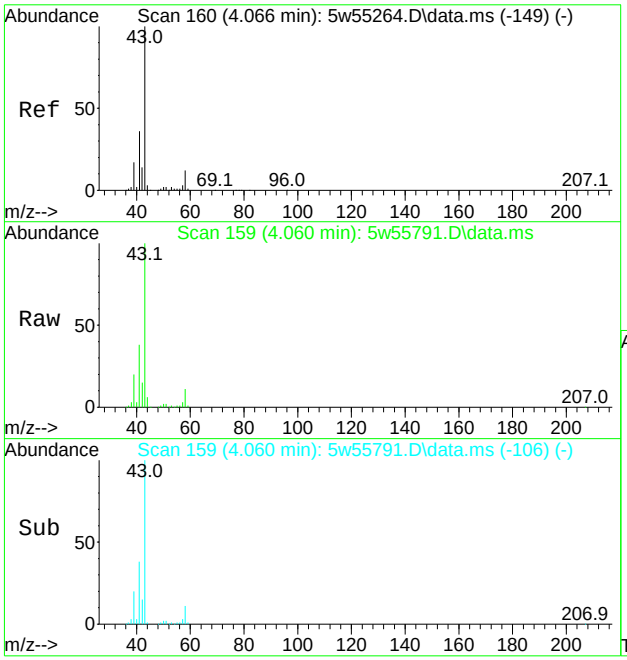


#12
1,3-BUTADIENE
Concen: 0.4484 PPBV
RT: 4.029 min Scan# 154
Delta R.T. -0.000 min
Lab File: 5w55791.D
Acq: 20 Dec 2024 11:46 pm

Tgt Ion: 54 Resp: 12065

Ion	Ratio	Lower	Upper
54	100		
39	0.0	103.6	163.6#
53	72.1	41.1	101.1

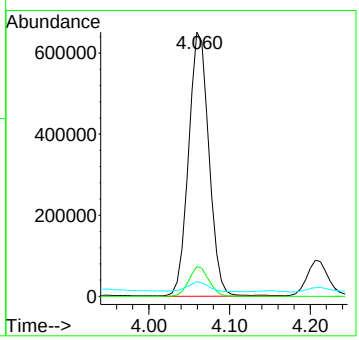


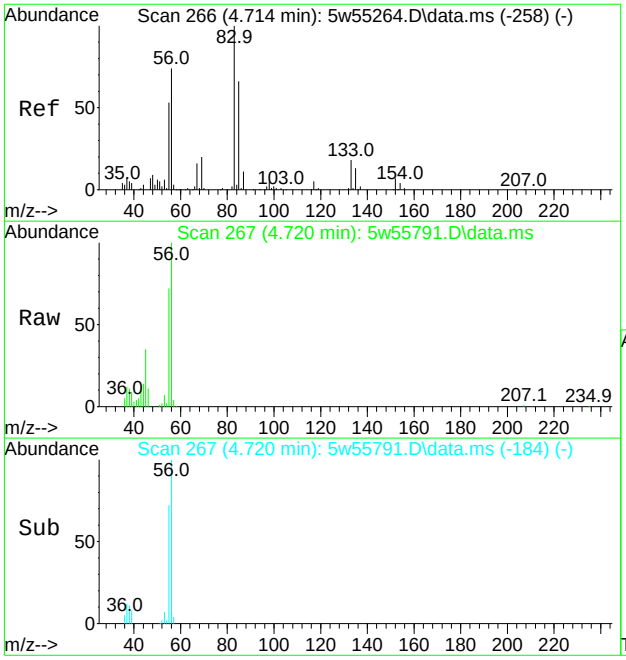


#13
n-BUTANE
Concen: 22.1581 PPBV
RT: 4.060 min Scan# 159
Delta R.T. -0.006 min
Lab File: 5w55791.D
Acq: 20 Dec 2024 11:46 pm

Tgt Ion: 43 Resp: 1143614

Ion	Ratio	Lower	Upper
43	100		
58	11.0	0.0	41.6
44	4.7	0.0	34.7

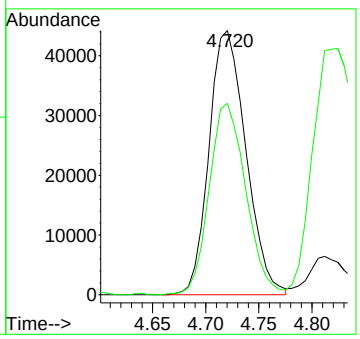


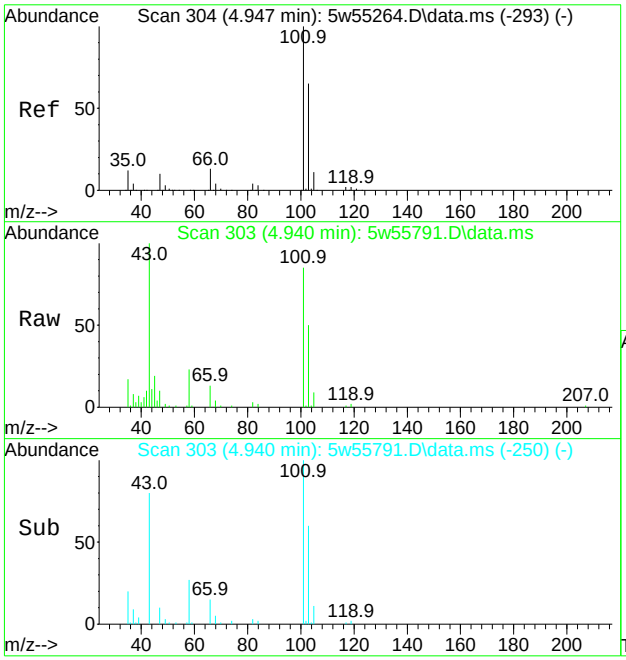


#18
ACROLEIN
Concen: 8.2061 PPBV
RT: 4.720 min Scan# 267
Delta R.T. 0.006 min
Lab File: 5w55791.D
Acq: 20 Dec 2024 11:46 pm

Tgt Ion: 56 Resp: 106828

Ion	Ratio	Lower	Upper
56	100		
55	71.8	49.8	92.6

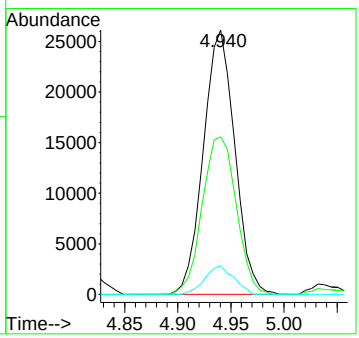


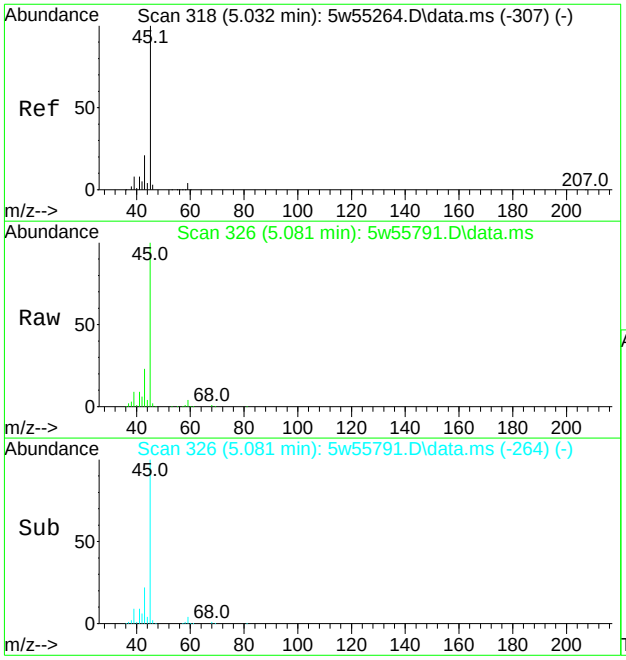


#21
TRICHLOROFLUOROMETHANE
Concen: 0.6588 PPBV
RT: 4.940 min Scan# 303
Delta R.T. -0.006 min
Lab File: 5w55791.D
Acq: 20 Dec 2024 11:46 pm

Tgt Ion:101 Resp: 53747

Ion	Ratio	Lower	Upper
101	100		
103	64.3	34.7	94.7
105	10.0	0.0	40.5

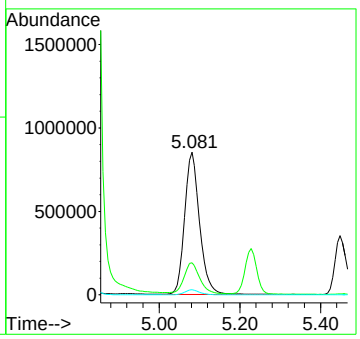


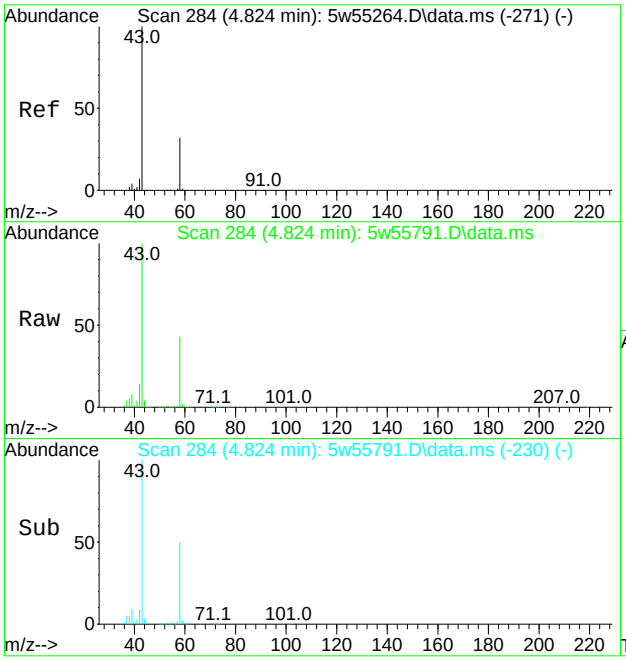


#22
ISOPROPYL ALCOHOL
Concen: 42.4180 PPBV
RT: 5.081 min Scan# 326
Delta R.T. 0.049 min
Lab File: 5w55791.D
Acq: 20 Dec 2024 11:46 pm

Tgt Ion: 45 Resp: 2192736

Ion	Ratio	Lower	Upper
45	100		
43	22.5	0.0	50.8
59	3.6	0.0	33.8

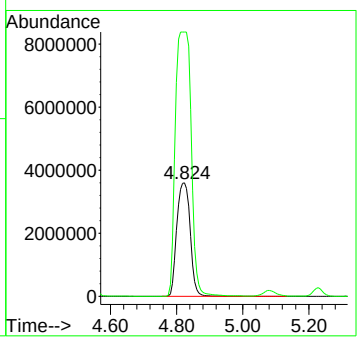


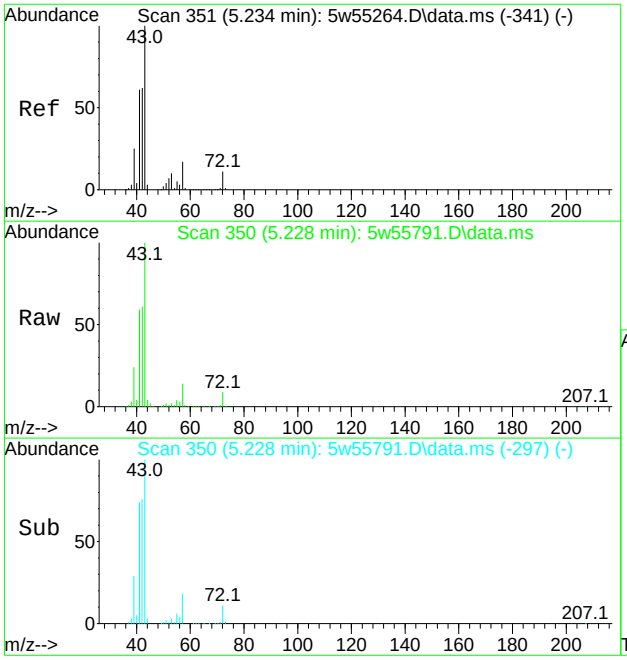


#23
ACETONE
Concen: 519.3526 PPBV
RT: 4.824 min Scan# 284
Delta R.T. -0.000 min
Lab File: 5w55791.D
Acq: 20 Dec 2024 11:46 pm

Tgt Ion: 58 Resp:10119543

Ion	Ratio	Lower	Upper
58	100		
43	275.4	312.3	372.3#

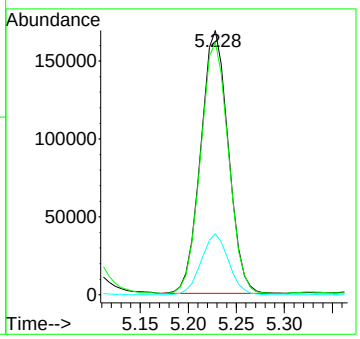


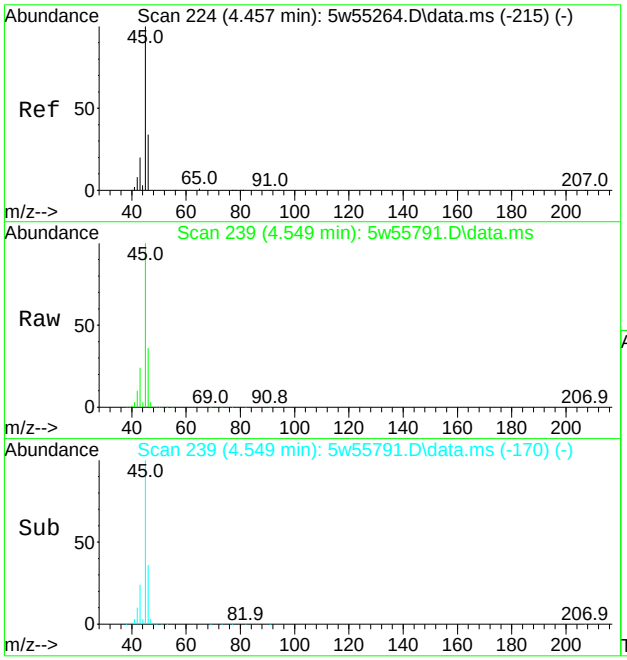


#24
PENTANE
Concen: 13.1532 PPBV
RT: 5.228 min Scan# 350
Delta R.T. -0.006 min
Lab File: 5w55791.D
Acq: 20 Dec 2024 11:46 pm

Tgt Ion: 42 Resp: 337769

Ion	Ratio	Lower	Upper
42	100		
41	97.5	64.4	124.4
57	23.0	0.0	55.0

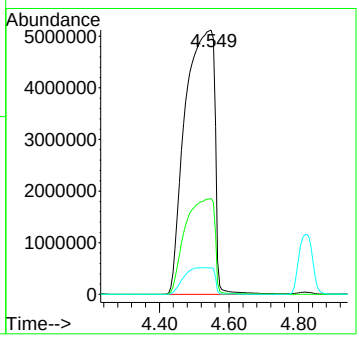


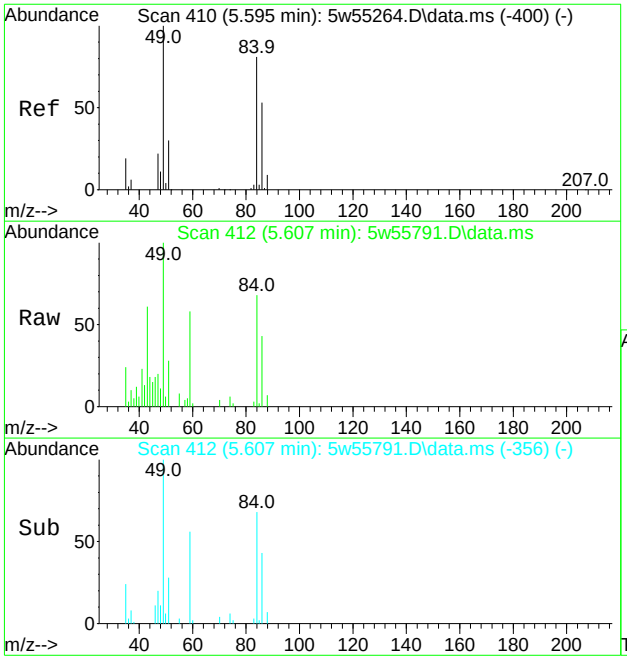


#28
ETHANOL
Concen: 1591.1928 PPBV
RT: 4.549 min Scan# 239
Delta R.T. 0.092 min
Lab File: 5w55791.D
Acq: 20 Dec 2024 11:46 pm

Tgt Ion: 45 Resp:30146028

Ion	Ratio	Lower	Upper
45	100		
46	36.2	4.5	64.5
42	10.3	0.0	38.6

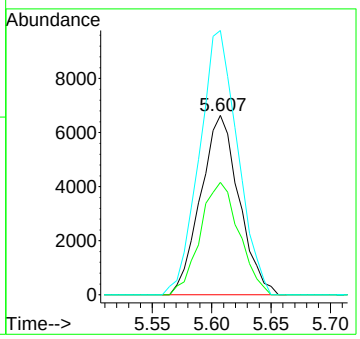


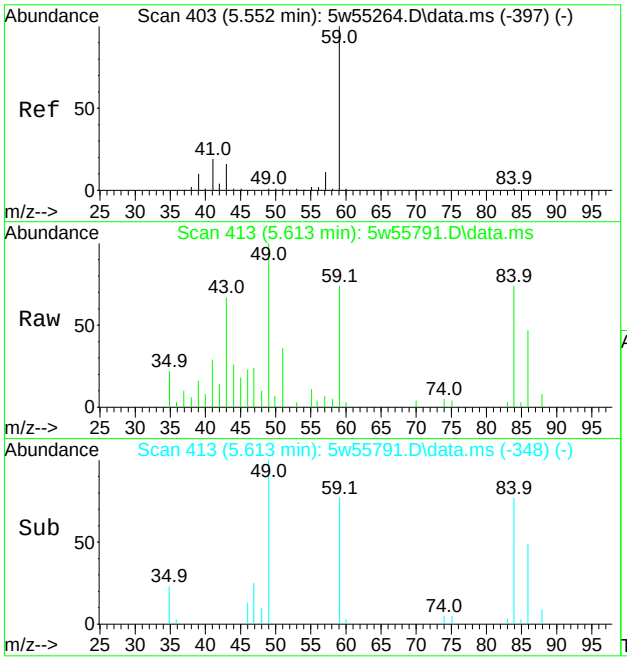


#31
METHYLENE CHLORIDE
Concen: 0.5878 PPBV
RT: 5.607 min Scan# 412
Delta R.T. 0.012 min
Lab File: 5w55791.D
Acq: 20 Dec 2024 11:46 pm

Tgt Ion: 84 Resp: 14893

Ion	Ratio	Lower	Upper
84	100		
86	63.4	34.0	94.0
49	147.0	105.8	165.8

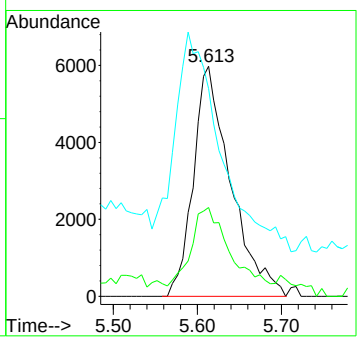


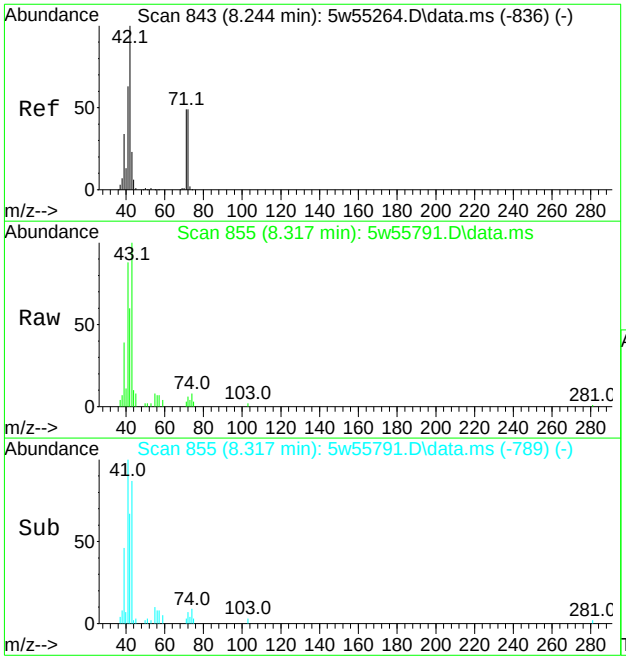


#35
TERTIARY BUTYL ALCOHOL
Concen: 0.3796 PPBV
RT: 5.613 min Scan# 413
Delta R.T. 0.067 min
Lab File: 5w55791.D
Acq: 20 Dec 2024 11:46 pm

Tgt Ion: 59 Resp: 18461

Ion	Ratio	Lower	Upper
59	100		
41	49.8	0.0	53.1
43	0.0	0.0	47.1

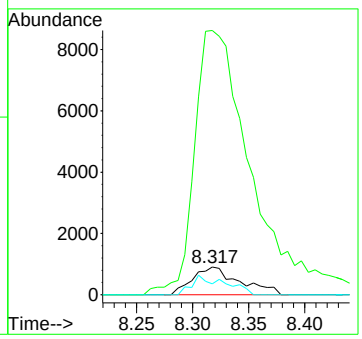


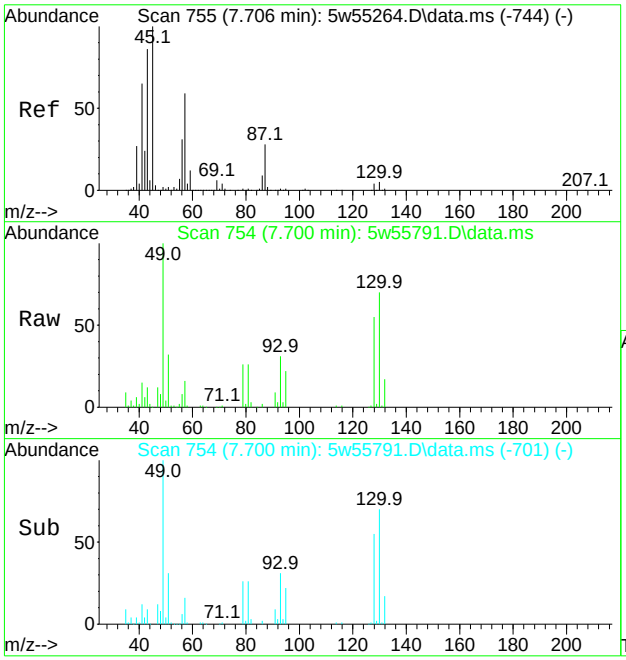


#37
TETRAHYDROFURAN
Concen: 0.2520 PPBV
RT: 8.317 min Scan# 855
Delta R.T. 0.073 min
Lab File: 5w55791.D
Acq: 20 Dec 2024 11:46 pm

Tgt Ion: 72 Resp: 2642

Ion	Ratio	Lower	Upper
72	100		
42	1225.2	203.7	263.7#
71	50.5	68.1	128.1#

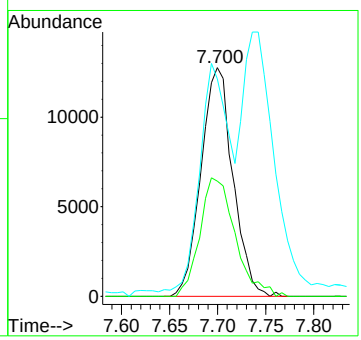


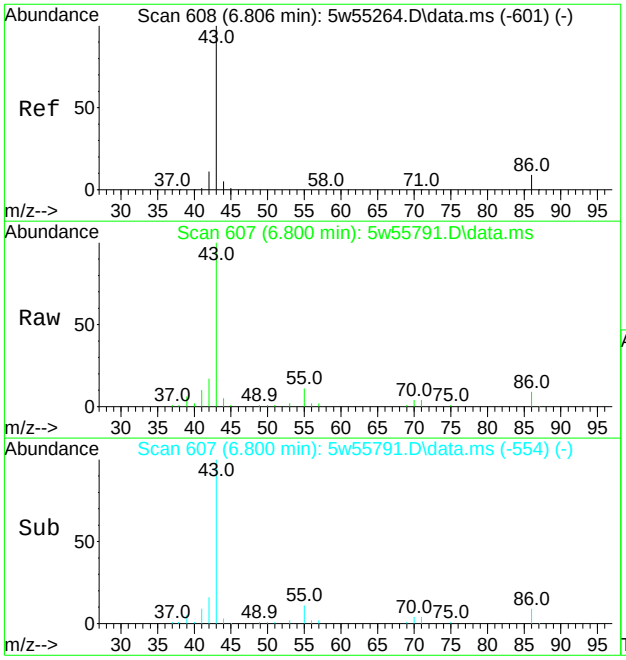


#38
HEXANE
Concen: 0.7800 PPBV
RT: 7.700 min Scan# 754
Delta R.T. -0.006 min
Lab File: 5w55791.D
Acq: 20 Dec 2024 11:46 pm

Tgt Ion: 57 Resp: 29526

Ion	Ratio	Lower	Upper
57	100		
56	57.3	24.2	84.2
41	95.7	92.1	152.1

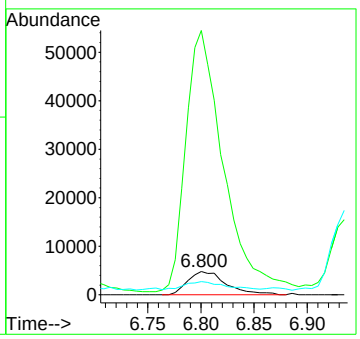


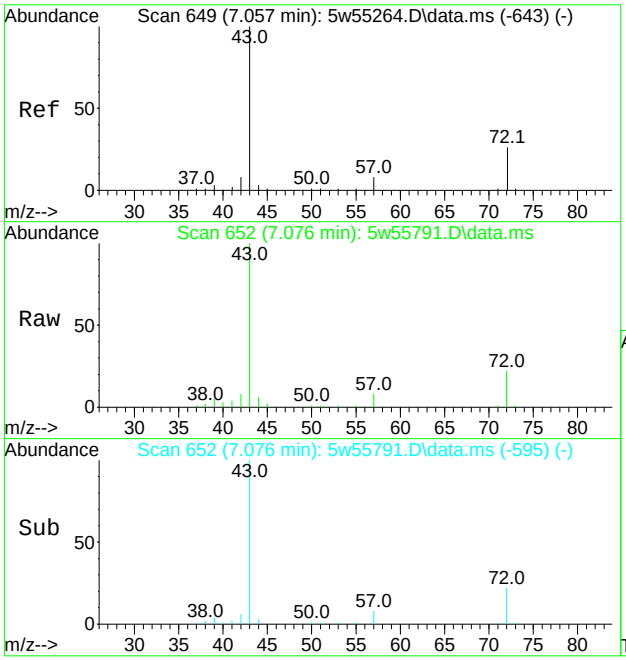


#39
VINYL ACETATE
Concen: 2.7981 PPBV
RT: 6.800 min Scan# 607
Delta R.T. -0.006 min
Lab File: 5w55791.D
Acq: 20 Dec 2024 11:46 pm

Tgt Ion: 86 Resp: 12106

Ion	Ratio	Lower	Upper
86	100		
43	1105.4	1335.5	1395.5#
44	35.0	40.9	100.9#

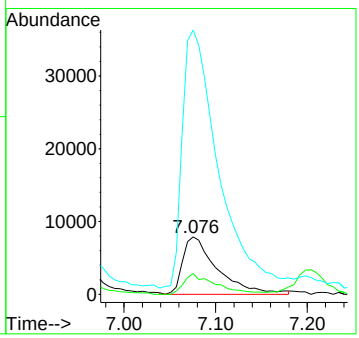


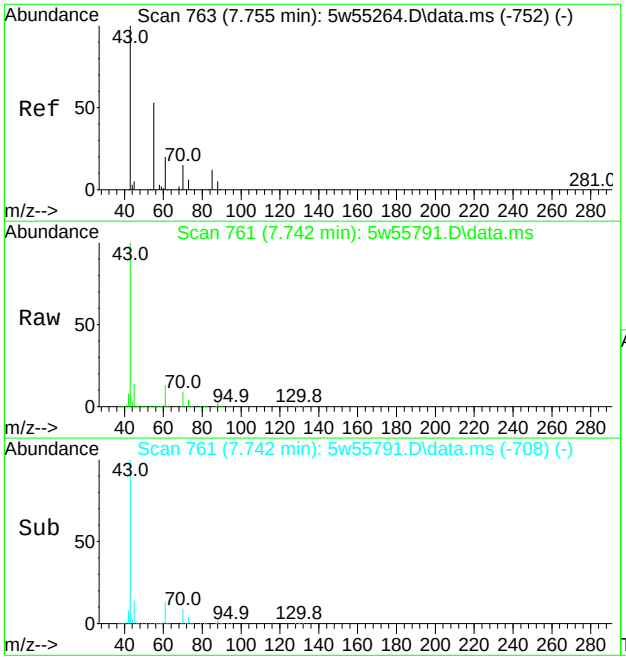


#41
METHYL ETHYL KETONE
Concen: 1.9929 PPBV m
RT: 7.076 min Scan# 652
Delta R.T. 0.018 min
Lab File: 5w55791.D
Acq: 20 Dec 2024 11:46 pm

Tgt Ion: 72 Resp: 20884

Ion	Ratio	Lower	Upper
72	100		
57	36.3	1.1	61.1
43	460.2	390.6	450.6#

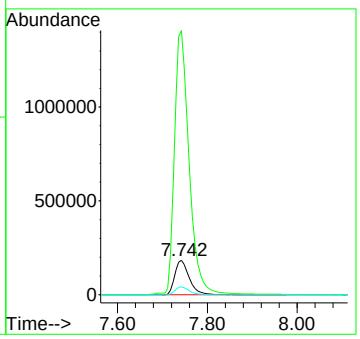


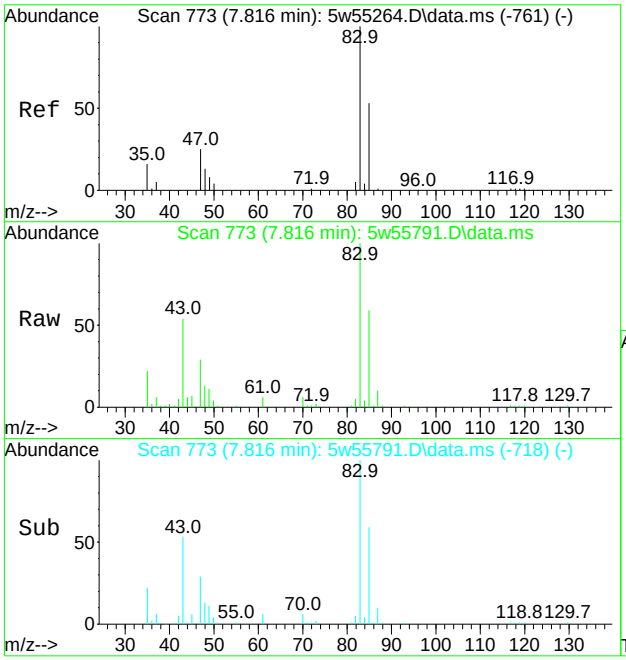


#44
ETHYL ACETATE
Concen: 53.1618 PPBV
RT: 7.742 min Scan# 761
Delta R.T. -0.006 min
Lab File: 5w55791.D
Acq: 20 Dec 2024 11:46 pm

Tgt Ion: 61 Resp: 410962

Ion	Ratio	Lower	Upper
61	100		
43	785.6	0.0	30.0#
88	22.8	7.3	67.3

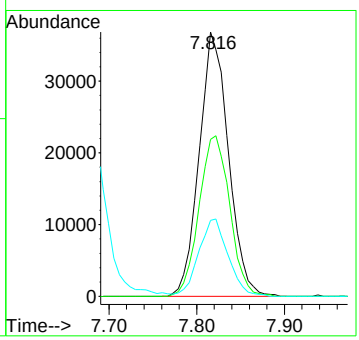


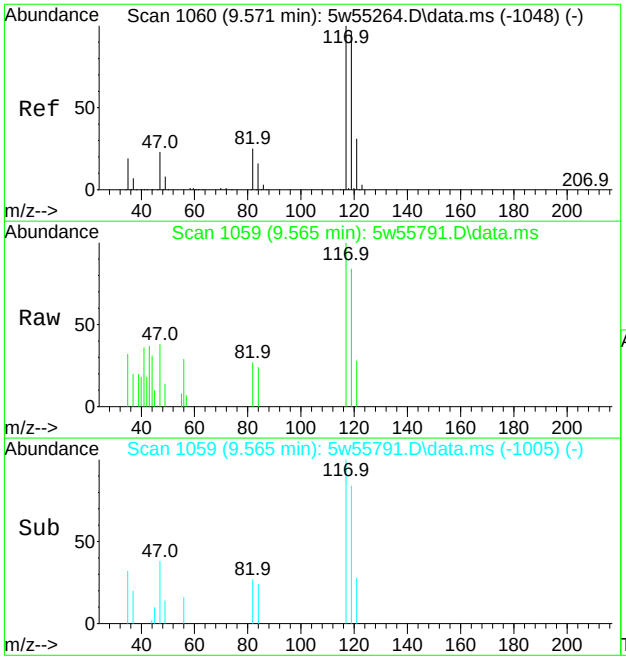


#46
CHLOROFORM
Concen: 1.3774 PPBV
RT: 7.816 min Scan# 773
Delta R.T. 0.006 min
Lab File: 5w55791.D
Acq: 20 Dec 2024 11:46 pm

Tgt Ion: 83 Resp: 85424

Ion	Ratio	Lower	Upper
83	100		
85	63.7	35.5	95.5
47	29.5	0.0	56.8

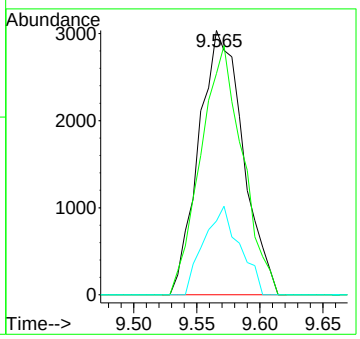


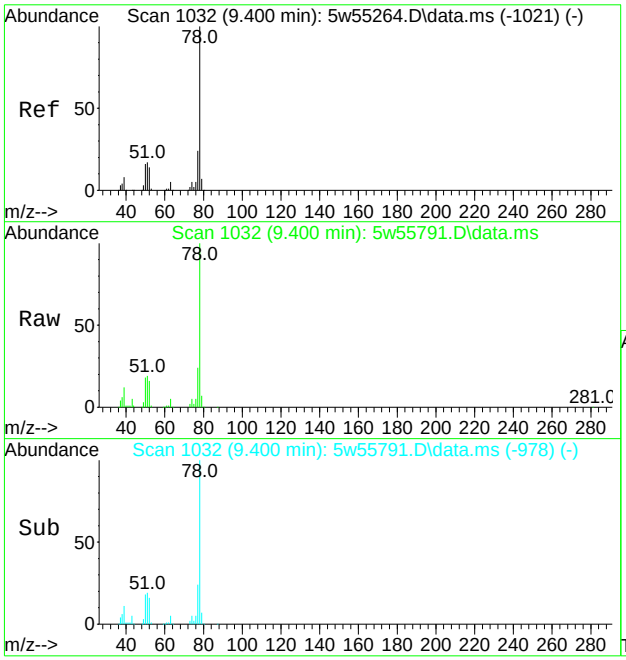


#49
CARBON TETRACHLORIDE
Concen: 0.1107 PPBV
RT: 9.565 min Scan# 1059
Delta R.T. -0.000 min
Lab File: 5w55791.D
Acq: 20 Dec 2024 11:46 pm

Tgt Ion:117 Resp: 7367

Ion	Ratio	Lower	Upper
117	100		
119	89.6	65.9	125.9
121	27.3	0.7	60.7

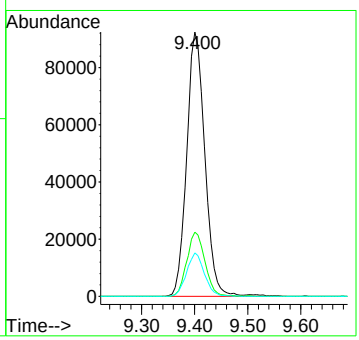


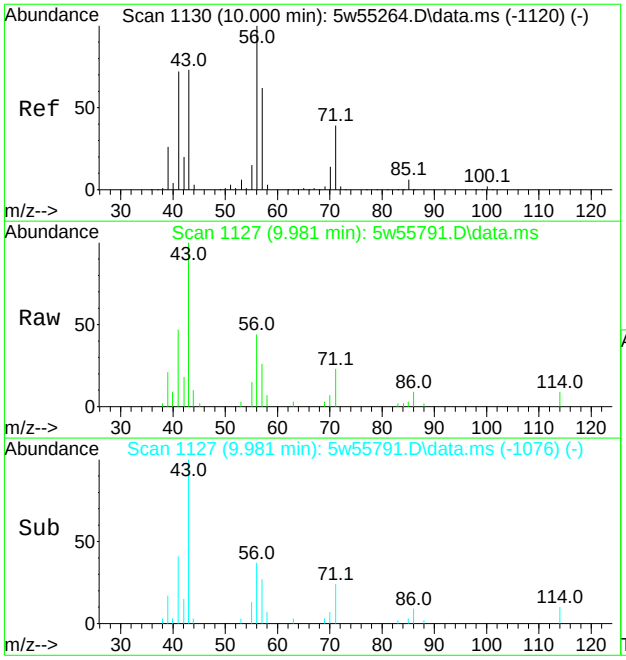


#52
BENZENE
Concen: 2.5513 PPBV
RT: 9.400 min Scan# 1032
Delta R.T. -0.000 min
Lab File: 5w55791.D
Acq: 20 Dec 2024 11:46 pm

Tgt Ion: 78 Resp: 220695

Ion	Ratio	Lower	Upper
78	100		
77	24.2	0.0	54.0
52	16.1	0.0	45.6

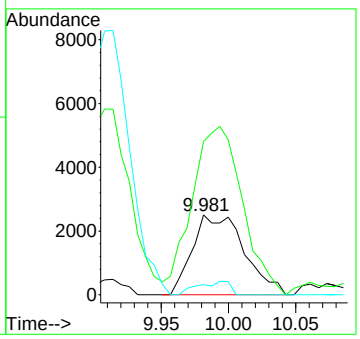


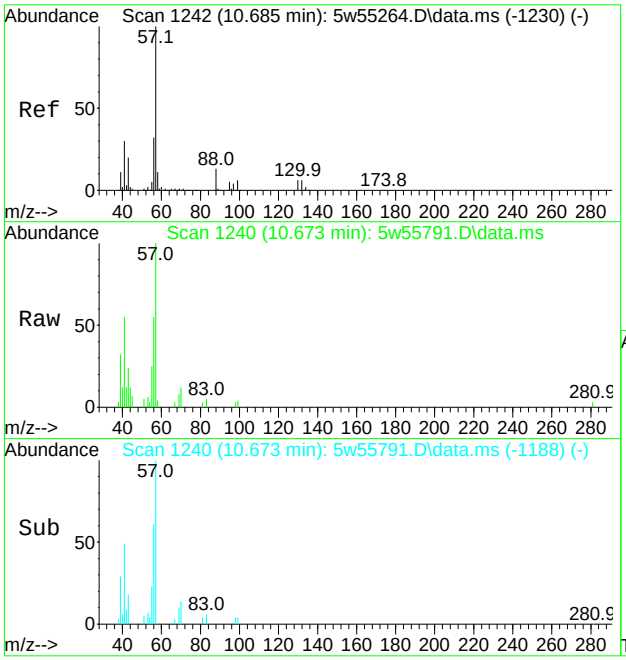


#54
2,3-DIMETHYLPENTANE
Concen: 0.3825 PPBV
RT: 9.981 min Scan# 1127
Delta R.T. -0.018 min
Lab File: 5w55791.D
Acq: 20 Dec 2024 11:46 pm

Tgt Ion: 71 Resp: 6711

Ion	Ratio	Lower	Upper
71	100		
56	206.0	235.4	295.4#
85	10.5	0.0	45.3

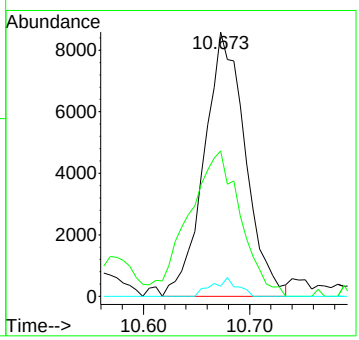


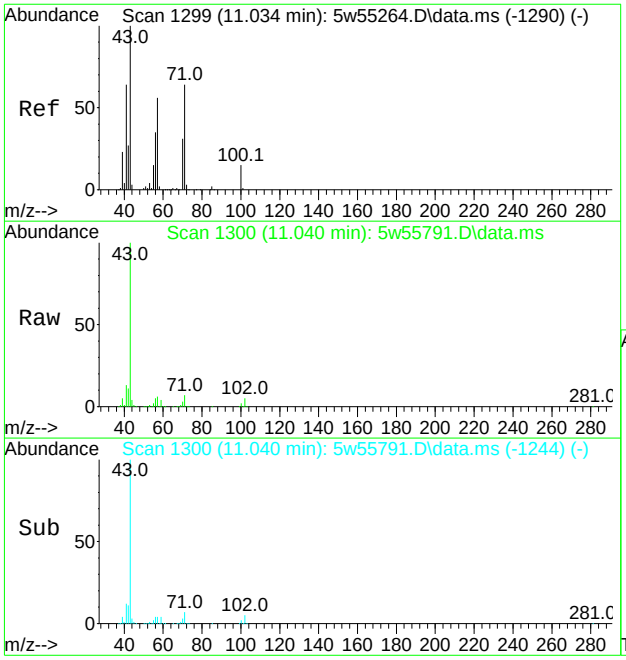


#60
2,2,4-TRIMETHYLPENTANE
Concen: 0.1757 PPBV
RT: 10.673 min Scan# 1240
Delta R.T. -0.012 min
Lab File: 5w55791.D
Acq: 20 Dec 2024 11:46 pm

Tgt Ion: 57 Resp: 23081

Ion	Ratio	Lower	Upper
57	100		
56	69.4	2.2	62.2#
99	4.4	0.0	37.6

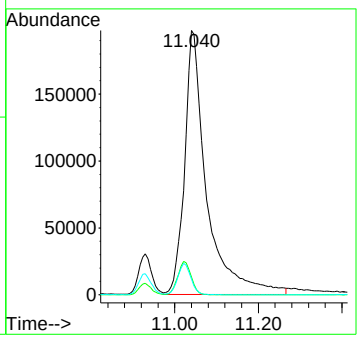


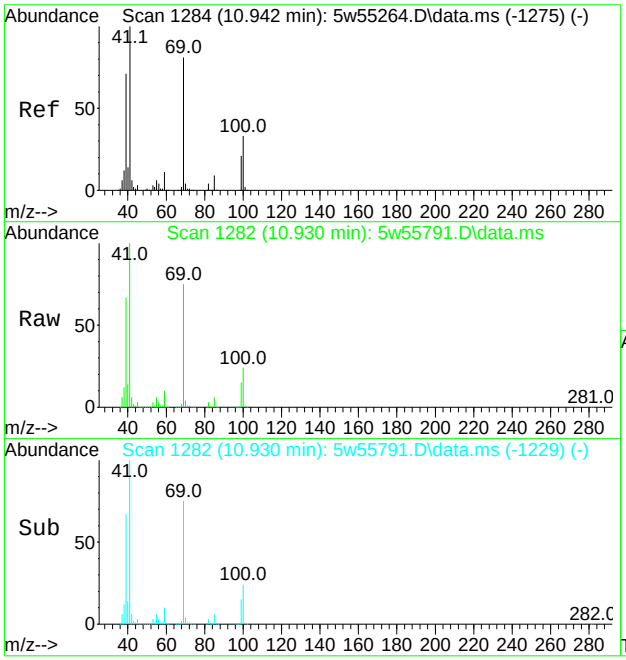


#62
HEPTANE
Concen: 15.7308 PPBV m
RT: 11.040 min Scan# 1300
Delta R.T. 0.012 min
Lab File: 5w55791.D
Acq: 20 Dec 2024 11:46 pm

Tgt Ion: 43 Resp: 721750

Ion	Ratio	Lower	Upper
43	100		
71	2.4	27.2	87.2#
57	4.6	22.5	82.5#

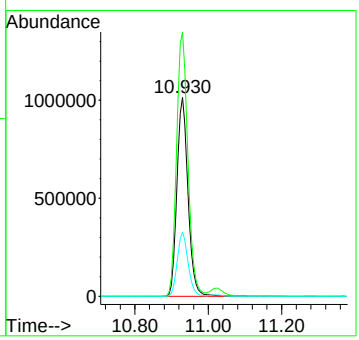


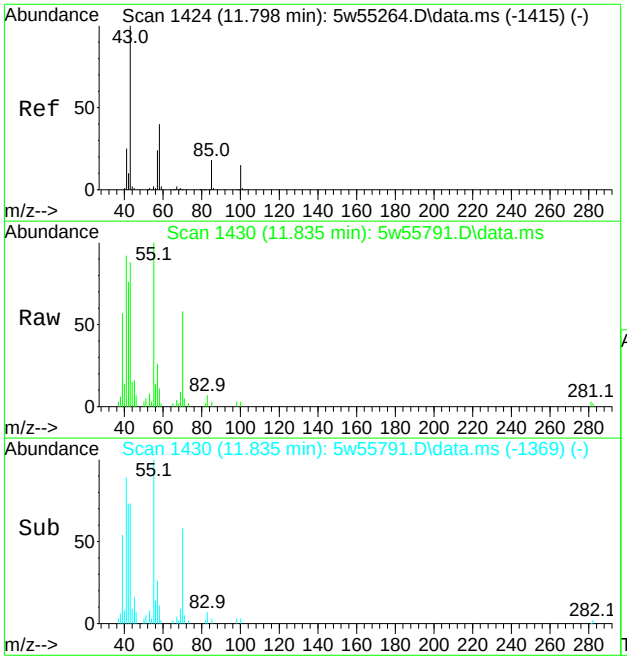


#63
METHYL METHACRYLATE
Concen: 74.0016 PPBV
RT: 10.930 min Scan# 1282
Delta R.T. -0.006 min
Lab File: 5w55791.D
Acq: 20 Dec 2024 11:46 pm

Tgt Ion: 69 Resp: 2128109

Ion	Ratio	Lower	Upper
69	100		
41	135.6	97.3	157.3
100	31.5	3.0	63.0

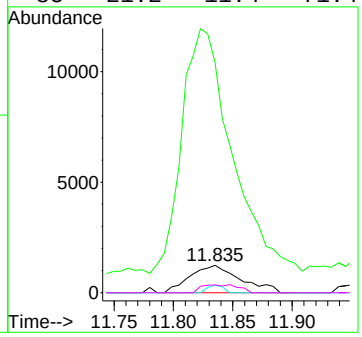


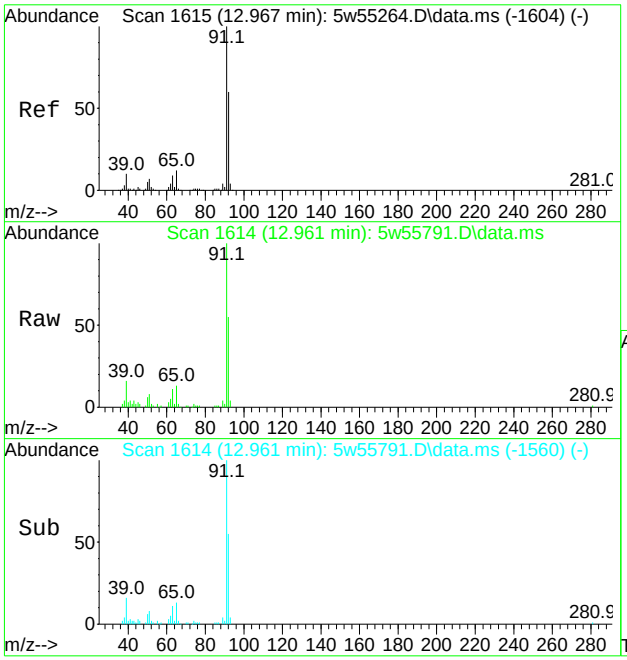


#64
METHYL ISOBUTYL KETONE
Concen: 0.1503 PPBV
RT: 11.835 min Scan# 1430
Delta R.T. 0.043 min
Lab File: 5w55791.D
Acq: 20 Dec 2024 11:46 pm

Tgt Ion: 58 Resp: 3673

Ion	Ratio	Lower	Upper
58	100		
43	0.0	236.1	296.1#
100	8.6	0.7	60.7
85	21.2	11.4	71.4

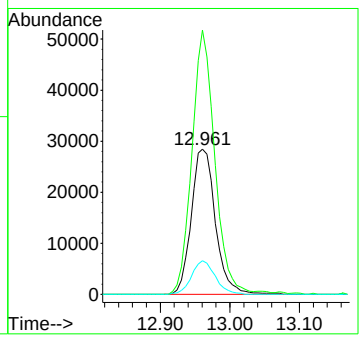


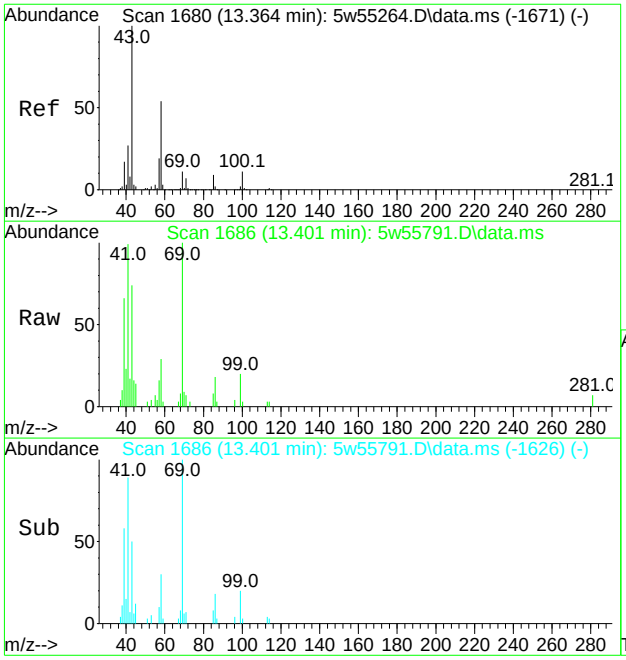


#66
TOLUENE
Concen: 1.1354 PPBV
RT: 12.961 min Scan# 1614
Delta R.T. -0.000 min
Lab File: 5w55791.D
Acq: 20 Dec 2024 11:46 pm

Tgt Ion: 92 Resp: 68694

Ion	Ratio	Lower	Upper
92	100		
91	173.4	143.4	203.4
65	22.7	0.0	53.8

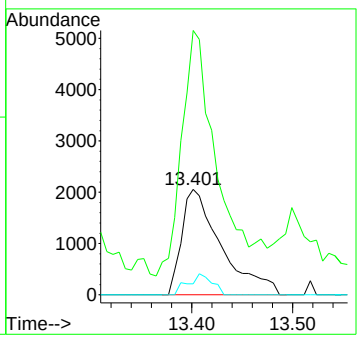


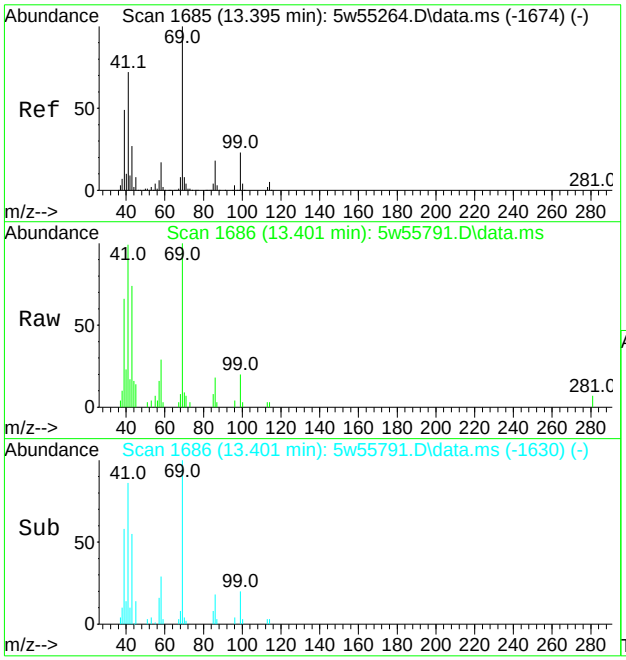


#71
2-HEXANONE
Concen: 0.1641 PPBV
RT: 13.401 min Scan# 1686
Delta R.T. 0.037 min
Lab File: 5w55791.D
Acq: 20 Dec 2024 11:46 pm

Tgt Ion: 58 Resp: 5592

Ion	Ratio	Lower	Upper
58	100		
43	215.5	159.0	219.0
100	12.1	0.0	47.8

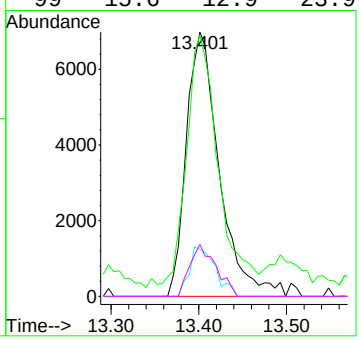


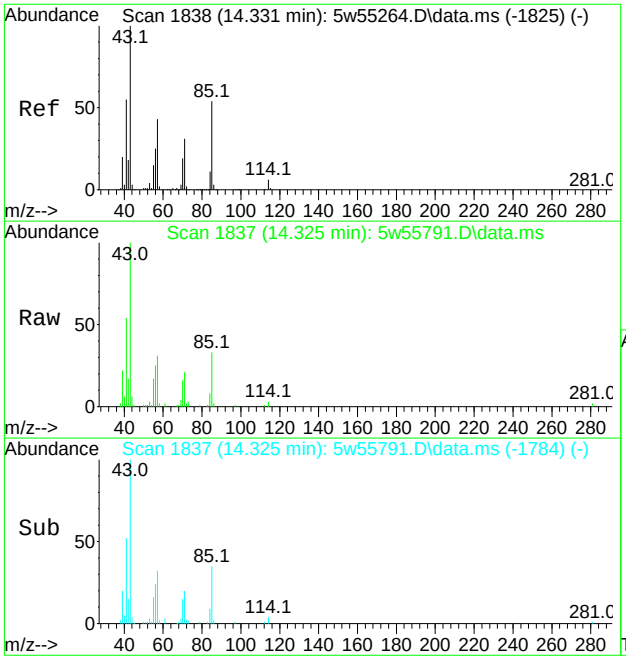


#72
ETHYL METHACRYLATE
Concen: 0.3662 PPBV
RT: 13.401 min Scan# 1686
Delta R.T. 0.012 min
Lab File: 5w55791.D
Acq: 20 Dec 2024 11:46 pm

Tgt Ion: 69 Resp: 18271

Ion	Ratio	Lower	Upper
69	100		
41	91.7	67.8	125.8
86	14.8	11.3	20.9
99	15.6	12.9	23.9

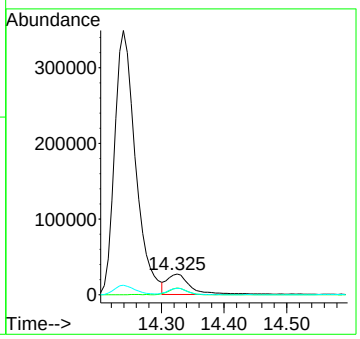


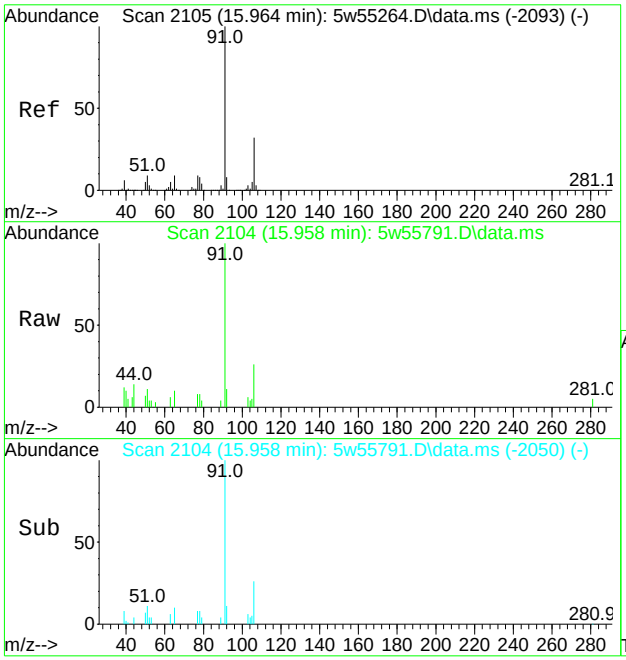


#76
OCTANE
Concen: 1.1557 PPBV m
RT: 14.325 min Scan# 1837
Delta R.T. -0.006 min
Lab File: 5w55791.D
Acq: 20 Dec 2024 11:46 pm

Tgt Ion: 43 Resp: 73335

Ion	Ratio	Lower	Upper
43	100		
85	1.2	13.7	73.7#
57	40.7	9.9	69.9

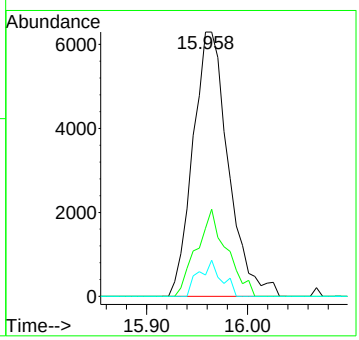


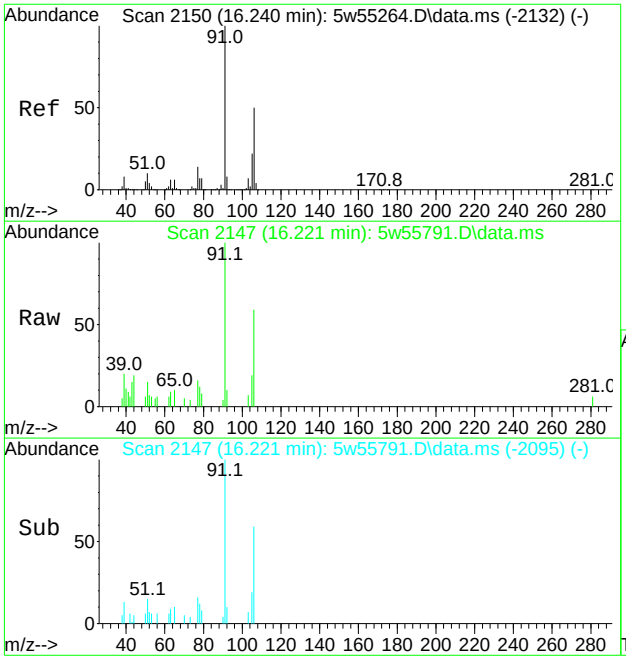


#79
ETHYLBENZENE
Concen: 0.1155 PPBV
RT: 15.958 min Scan# 2104
Delta R.T. -0.000 min
Lab File: 5w55791.D
Acq: 20 Dec 2024 11:46 pm

Tgt Ion: 91 Resp: 15384

Ion	Ratio	Lower	Upper
91	100		
106	28.0	0.0	59.9
77	8.7	0.0	39.1

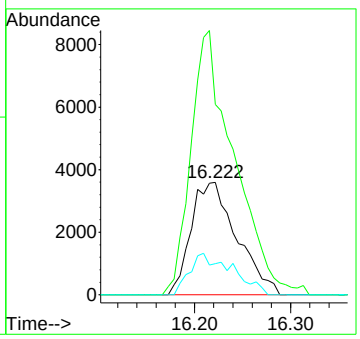


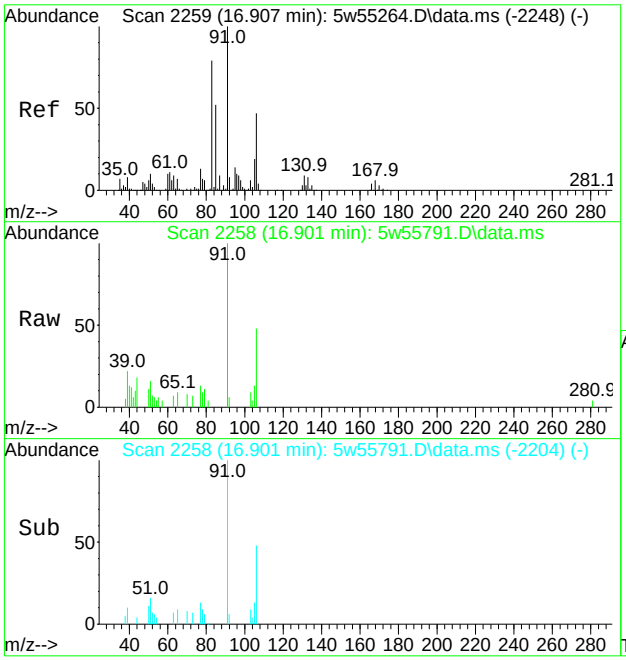


#80
m,p-XYLENE
Concen: 0.2358 PPBV
RT: 16.221 min Scan# 2147
Delta R.T. -0.012 min
Lab File: 5w55791.D
Acq: 20 Dec 2024 11:46 pm

Tgt Ion:106 Resp: 11918

Ion	Ratio	Lower	Upper
106	100		
91	169.2	181.2	241.2#
77	27.7	0.1	60.1

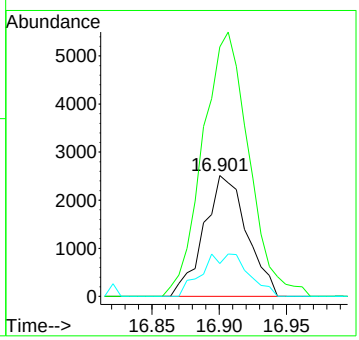


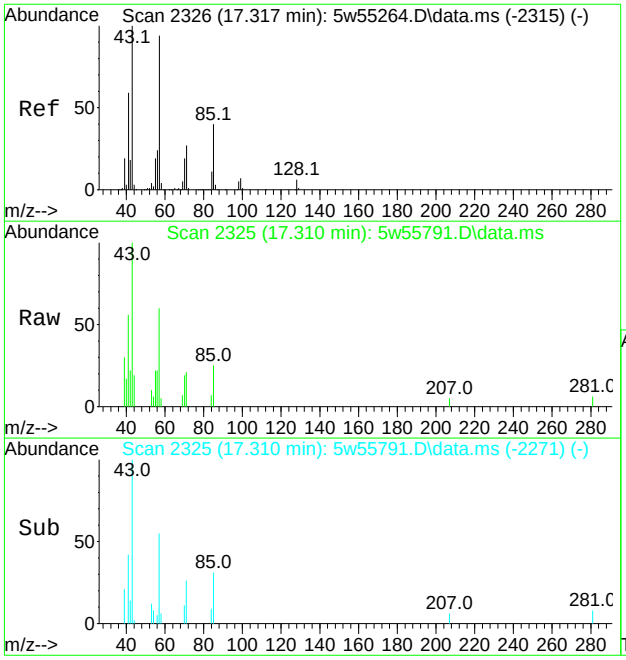


#81
o-XYLENE
Concen: 0.1133 PPBV
RT: 16.901 min Scan# 2258
Delta R.T. -0.000 min
Lab File: 5w55791.D
Acq: 20 Dec 2024 11:46 pm

Tgt Ion:106 Resp: 5557

Ion	Ratio	Lower	Upper
106	100		
91	236.1	193.4	253.4
77	38.5	0.0	59.8

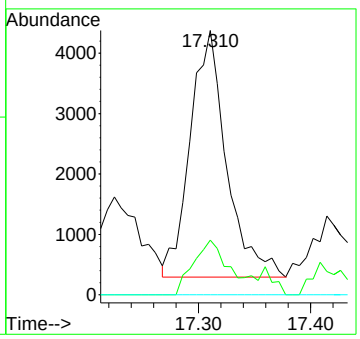


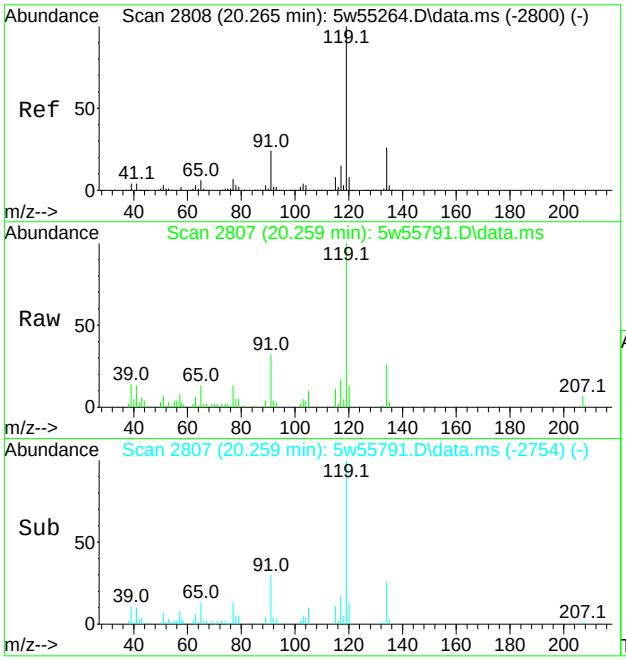


#83
NONANE
Concen: 0.1385 PPBV
RT: 17.310 min Scan# 2325
Delta R.T. -0.000 min
Lab File: 5w55791.D
Acq: 20 Dec 2024 11:46 pm

Tgt Ion: 43 Resp: 9169

Ion	Ratio	Lower	Upper
43	100		
71	26.9	0.0	53.8
128	0.0	0.0	34.3

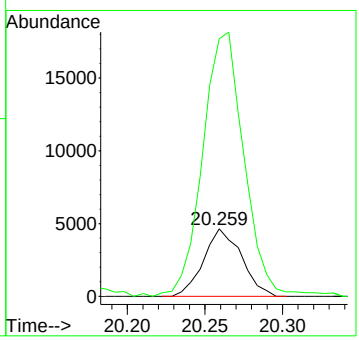




#102
p-ISOPROPYLTOLUENE
Concen: 0.2151 PPBV
RT: 20.259 min Scan# 2807
Delta R.T. -0.006 min
Lab File: 5w55791.D
Acq: 20 Dec 2024 11:46 pm

Tgt Ion:134 Resp: 7884

Ion	Ratio	Lower	Upper
134	100		
119	426.2	403.4	463.4



Manual Integration Approval Summary

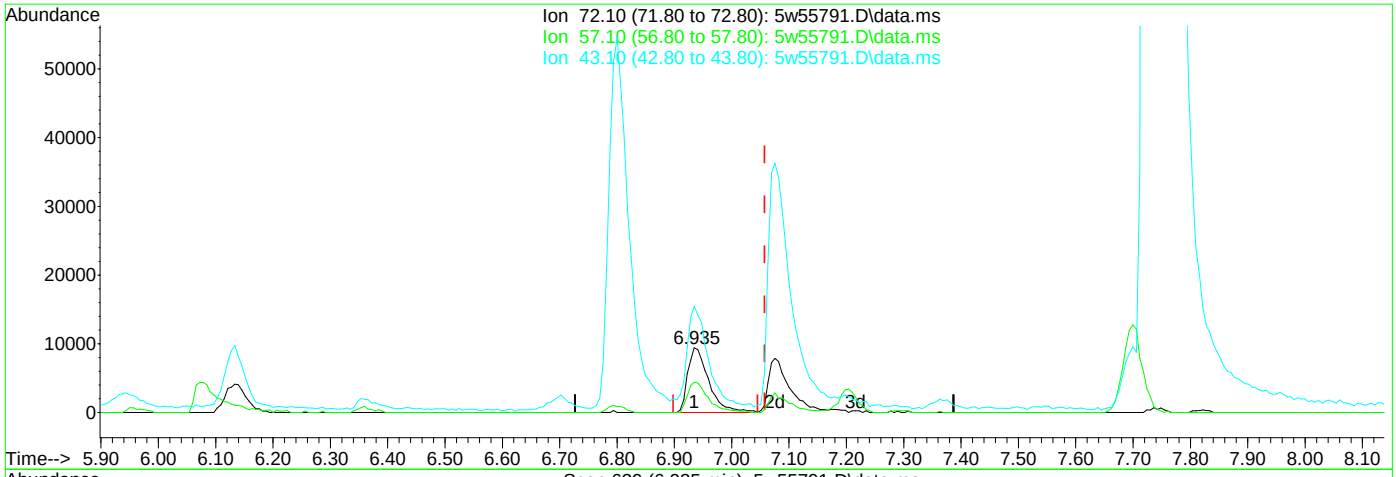
Sample Number: JE2490-2
Lab FileID: 5W55791.D
Injection Time: 12/20/24 23:46
Method: TO-15
Analyst approved: 12/23/24 03:25 Lucky Carandang
Supervisor approved: 12/23/24 11:38 Kanya Veerawat

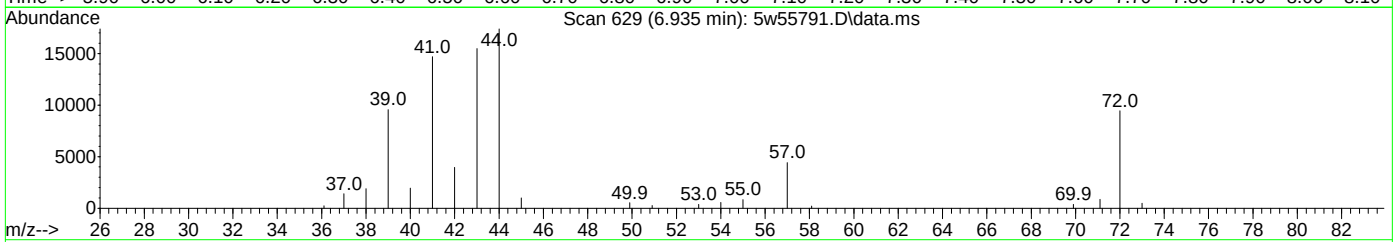
Parameter	CAS	Sig#	R.T. (min.)	Reason
Methyl ethyl ketone	78-93-3		7.08	Missed peak
Heptane	142-82-5		11.04	Missed peak
Octane	111-65-9		14.33	Overlapping peak

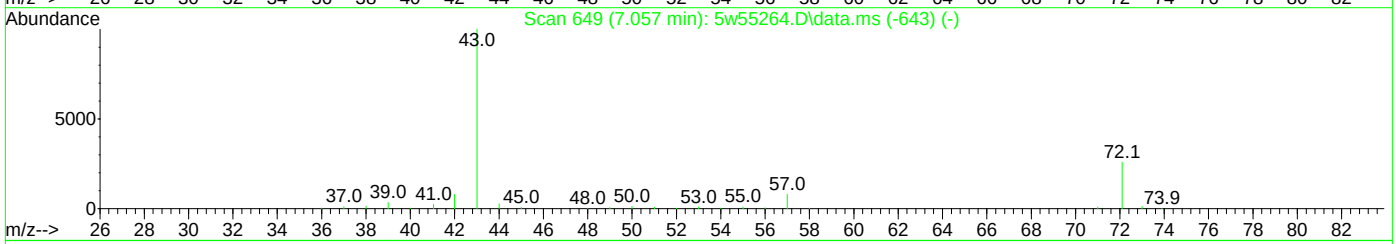
Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55791.D
Acq On : 20 Dec 2024 11:46 pm
Operator : thomash
Sample : je2490-2 Inst : GCMS5W
Misc : MS88104,V5W2136,725,,,,1.45
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 23 07:09:34 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration







TIC: 5w55791.D\data.ms

(41) METHYL ETHYL KETONE

6.935min (-0.122) 2.29PPBV

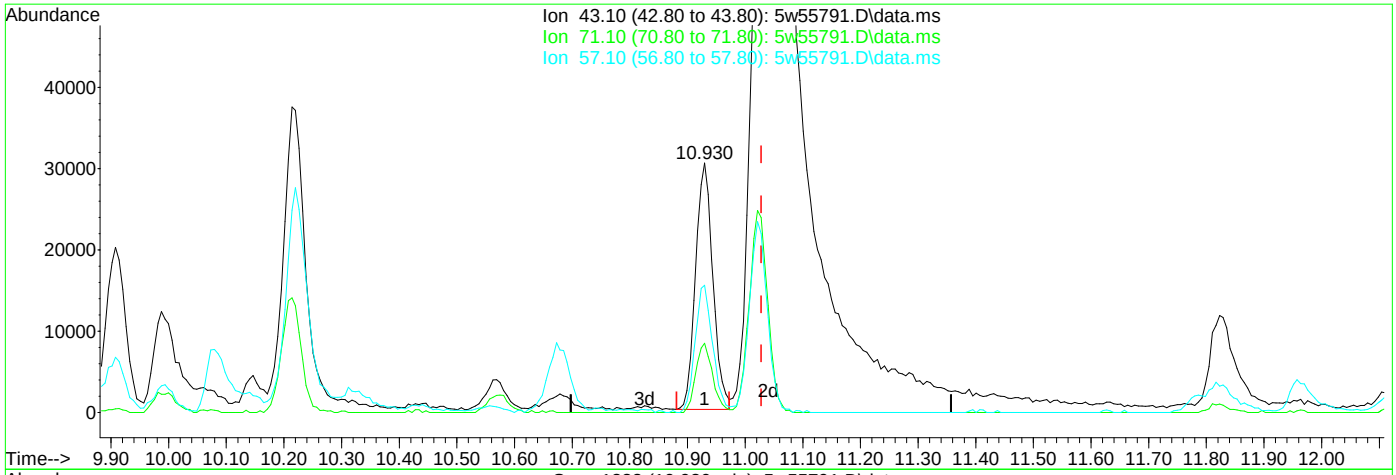
response 24029

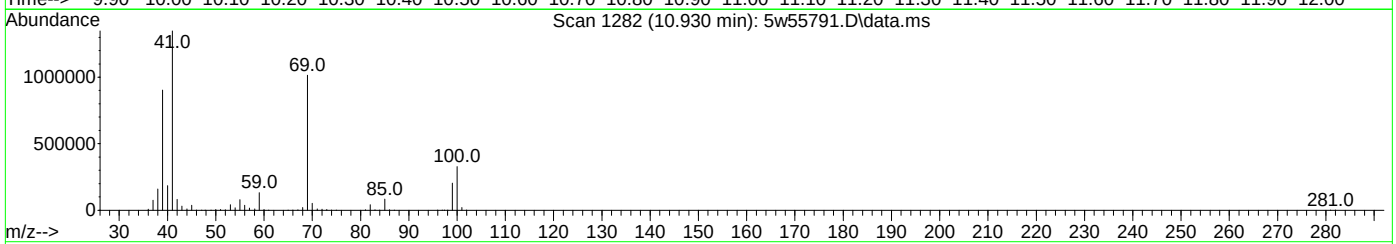
Ion	Exp%	Act%
72.10	100	100
57.10	31.10	46.68
43.10	420.60	163.82#
0.00	0.00	0.00

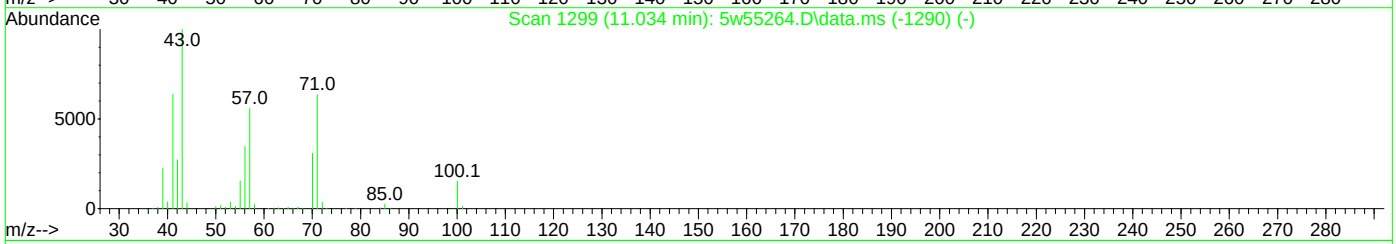
Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55791.D
Acq On : 20 Dec 2024 11:46 pm
Operator : thomash
Sample : je2490-2 Inst : GCMS5W
Misc : MS88104,V5W2136,725,,,,1.45
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 23 07:09:34 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration







TIC: 5w55791.D\data.ms

(62) HEPTANE

10.930min (-0.098) 1.38PPBV

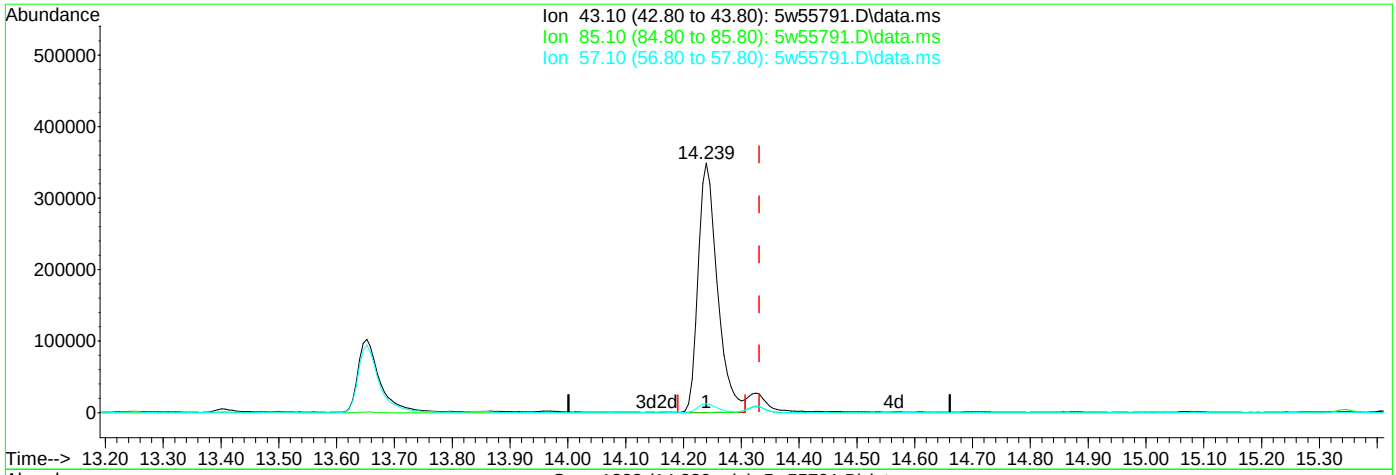
response 63345

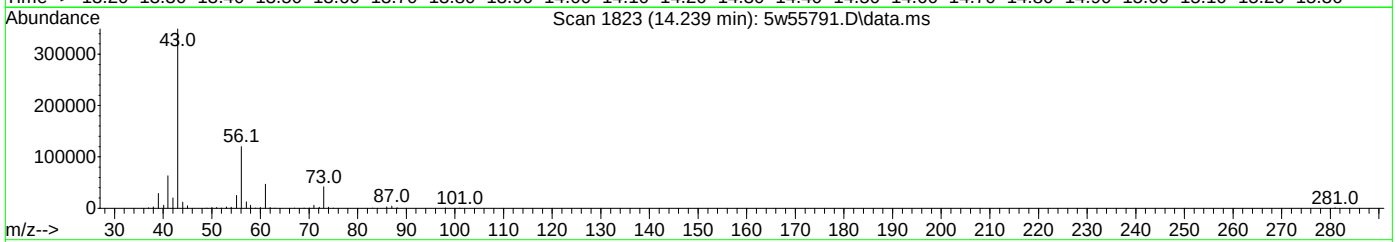
Ion	Exp%	Act%
43.10	100	100
71.10	57.20	27.57
57.10	52.50	52.47
0.00	0.00	0.00

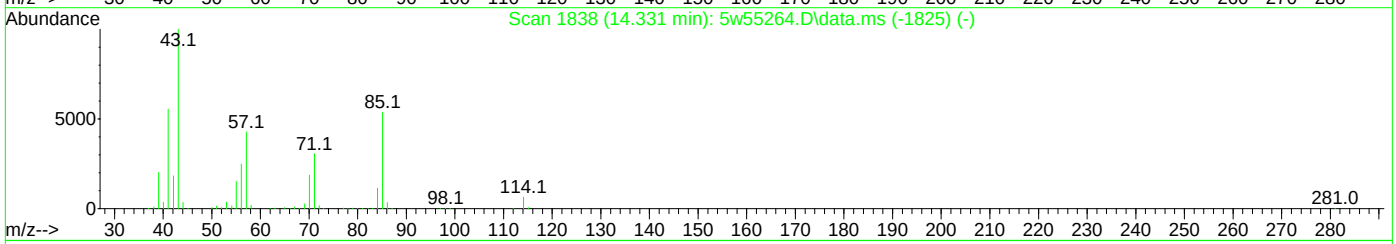
Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55791.D
Acq On : 20 Dec 2024 11:46 pm
Operator : thomash
Sample : je2490-2 Inst : GCMS5W
Misc : MS88104,V5W2136,725,,,,1.45
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 23 07:44:23 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration







TIC: 5w55791.D\data.ms

(76) OCTANE

14.239min (-0.092) 12.80PPBV

response 812269

Ion	Exp%	Act%
43.10	100	100
85.10	43.70	0.11#
57.10	39.90	3.68#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55792.D
Acq On : 21 Dec 2024 12:26 am
Operator : thomash
Sample : je2490-2 Inst : GCMS5W
Misc : MS88104,V5W2136,10,,,,1.45
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 23 07:45:24 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

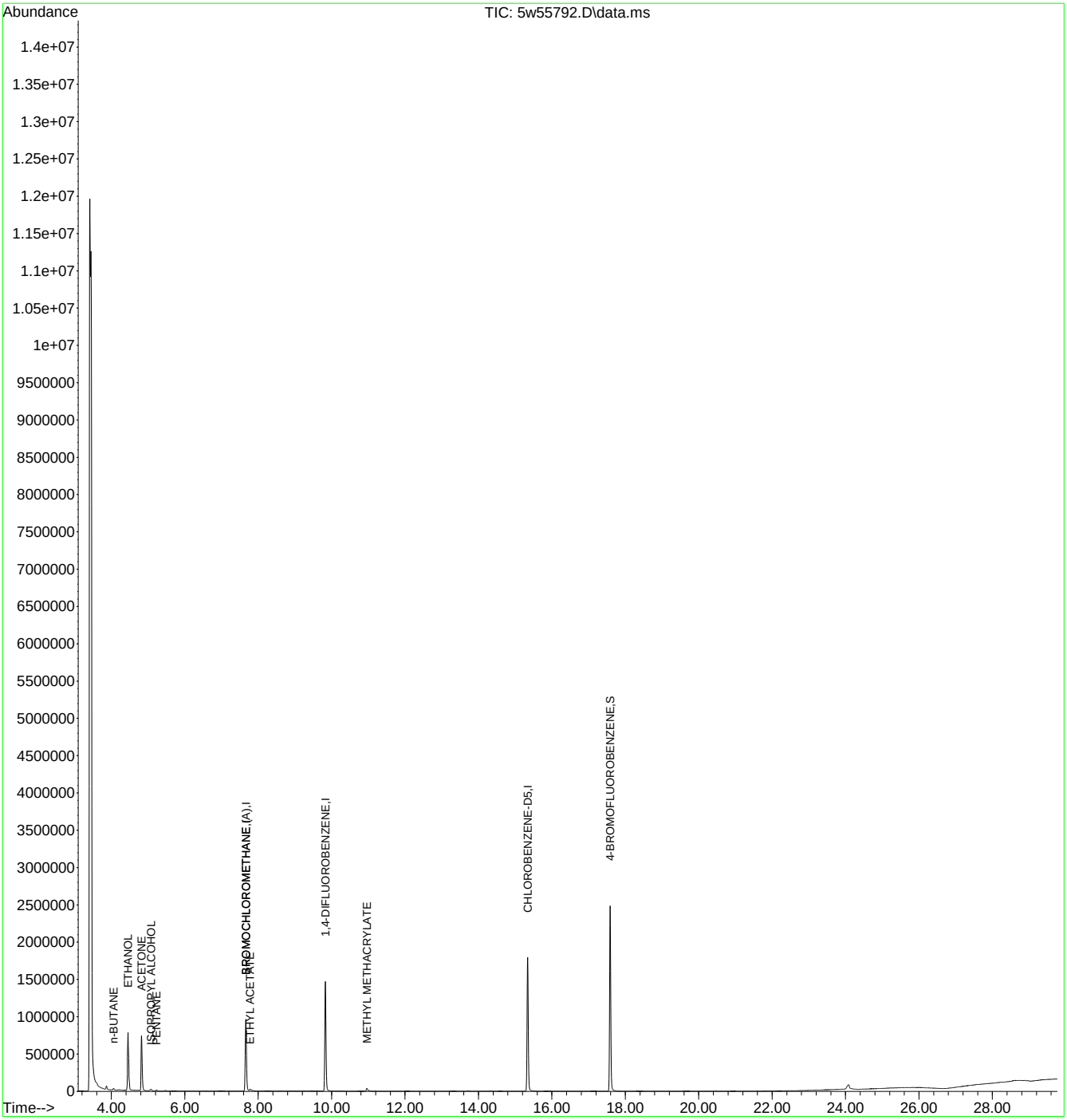
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	7.663	128	263063	10.00	PPBV	# 0.00
51) 1,4-DIFLUOROBENZENE	9.829	114	1287566	10.00	PPBV	0.00
70) CHLOROBENZENE-D5	15.341	82	720552	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	7.663	128	263063	10.00	PPBV	# 0.00
System Monitoring Compounds						
85) 4-BROMOFLUOROBENZENE	17.586	95	891336	11.05	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 110.50%			
Target Compounds						Qvalue
13) n-BUTANE	4.059	43	19546	0.3478	PPBV	# 92
22) ISOPROPYL ALCOHOL	5.081	45	41954	0.7453	PPBV	88
23) ACETONE	4.818	58	255572	12.0456	PPBV	# 80
24) PENTANE	5.228	42	6864	0.2455	PPBV	95
28) ETHANOL	4.451	45	1009835	48.9505	PPBV	100
44) ETHYL ACETATE	7.779	61	4953	0.5884	PPBV	# 65
63) METHYL METHACRYLATE	10.960	69	23013	0.7417	PPBV	81

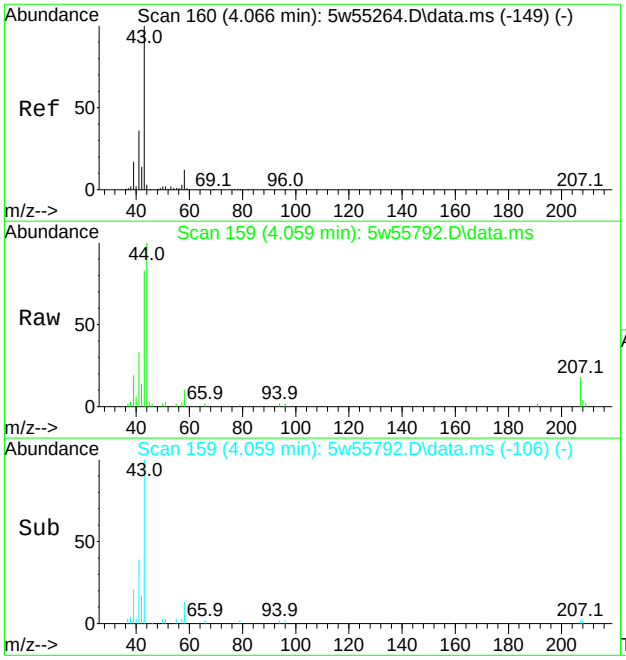
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55792.D
Acq On : 21 Dec 2024 12:26 am
Operator : thomash
Sample : je2490-2 Inst : GCMS5W
Misc : MS88104,V5W2136,10,,,,1.45
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 23 07:45:24 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

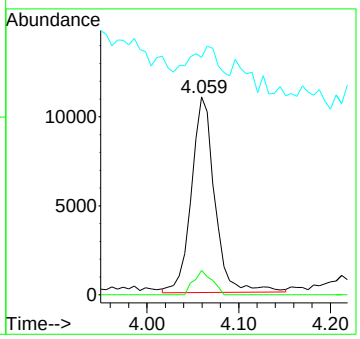


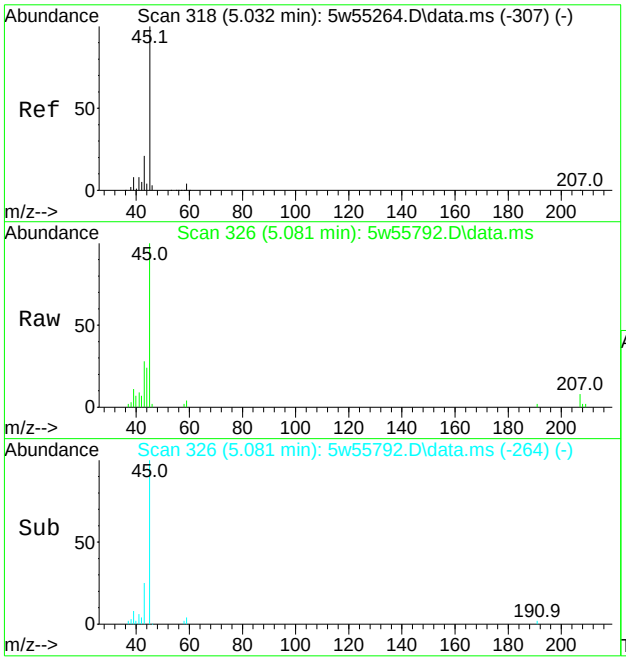


#13
n-BUTANE
Concen: 0.3478 PPBV
RT: 4.059 min Scan# 159
Delta R.T. -0.006 min
Lab File: 5w55792.D
Acq: 21 Dec 2024 12:26 am

Tgt Ion: 43 Resp: 19546

Ion	Ratio	Lower	Upper
43	100		
58	9.7	0.0	41.6
44	0.0	0.0	34.7

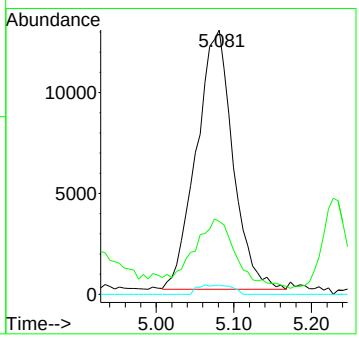


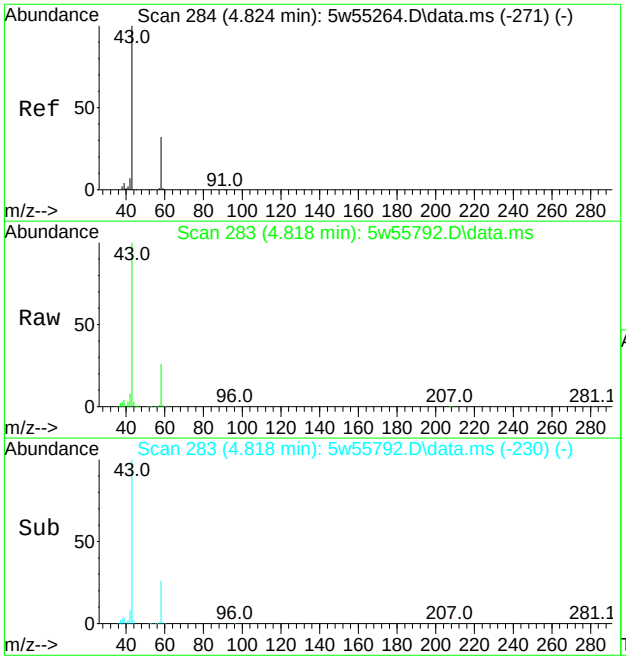


#22
ISOPROPYL ALCOHOL
Concen: 0.7453 PPBV
RT: 5.081 min Scan# 326
Delta R.T. 0.049 min
Lab File: 5w55792.D
Acq: 21 Dec 2024 12:26 am

Tgt Ion: 45 Resp: 41954

Ion	Ratio	Lower	Upper
45	100		
43	27.5	0.0	50.8
59	3.5	0.0	33.8

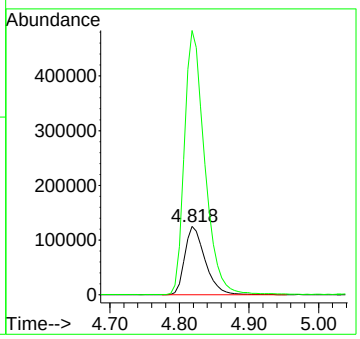


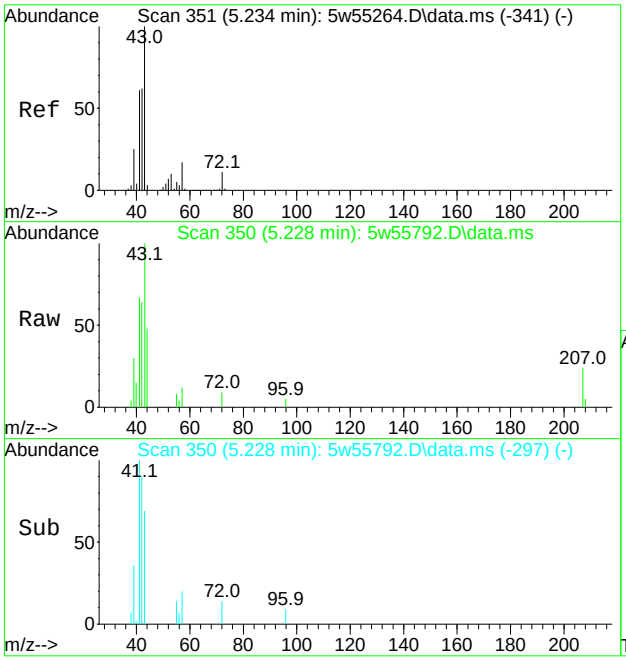


#23
ACETONE
Concen: 12.0456 PPBV
RT: 4.818 min Scan# 283
Delta R.T. -0.006 min
Lab File: 5w55792.D
Acq: 21 Dec 2024 12:26 am

Tgt Ion: 58 Resp: 255572

Ion	Ratio	Lower	Upper
58	100		
43	384.9	312.3	372.3#

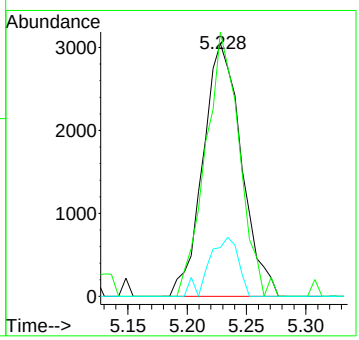


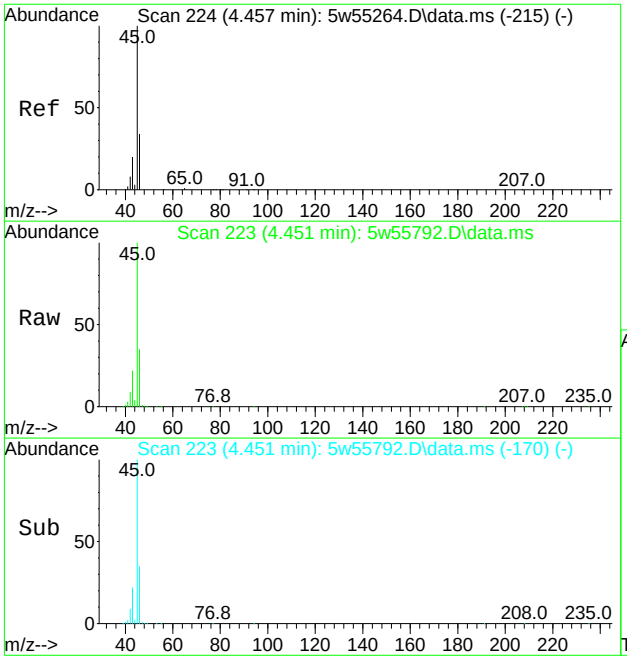


#24
PENTANE
Concen: 0.2455 PPBV
RT: 5.228 min Scan# 350
Delta R.T. -0.006 min
Lab File: 5w55792.D
Acq: 21 Dec 2024 12:26 am

Tgt Ion: 42 Resp: 6864

Ion	Ratio	Lower	Upper
42	100		
41	92.2	64.4	124.4
57	17.6	0.0	55.0

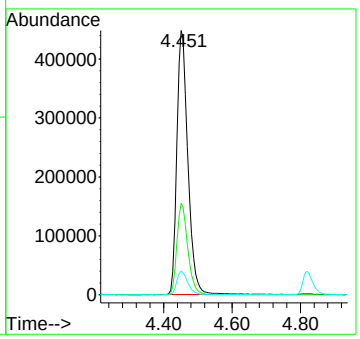


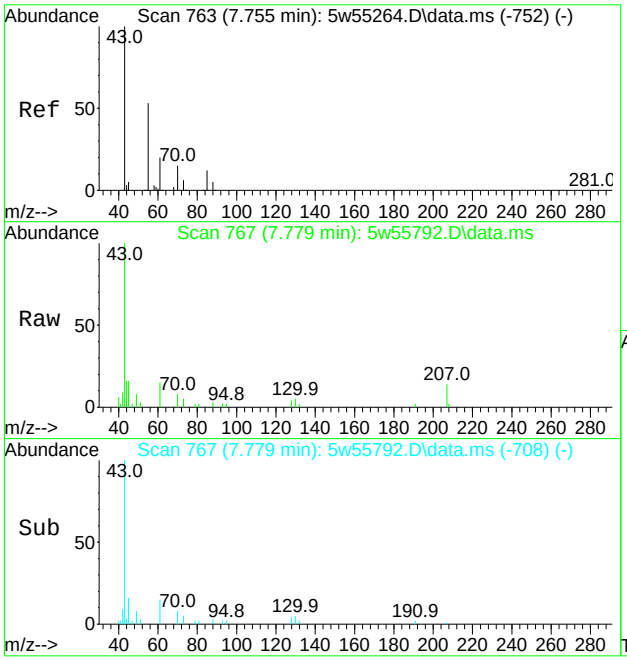


#28
ETHANOL
Concen: 48.9505 PPBV
RT: 4.451 min Scan# 223
Delta R.T. -0.006 min
Lab File: 5w55792.D
Acq: 21 Dec 2024 12:26 am

Tgt Ion: 45 Resp: 1009835

Ion	Ratio	Lower	Upper
45	100		
46	34.6	4.5	64.5
42	9.0	0.0	38.6

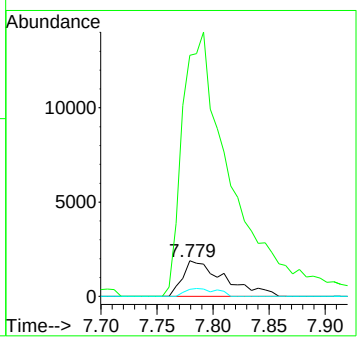


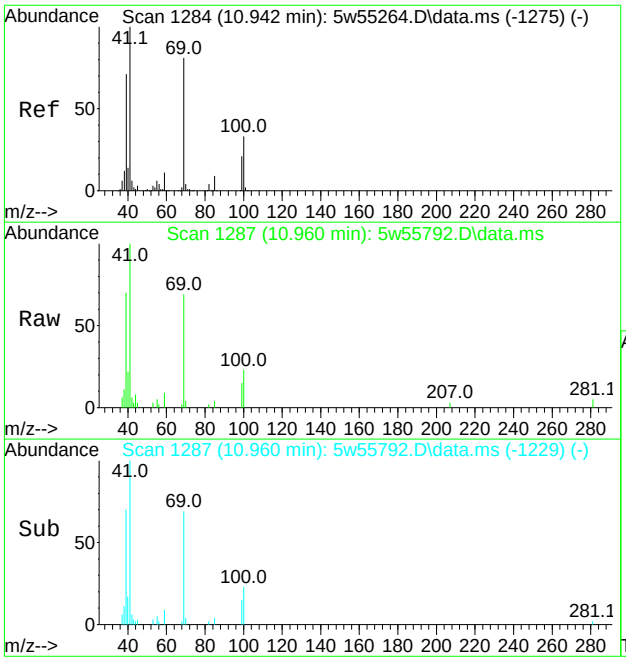


#44
ETHYL ACETATE
Concen: 0.5884 PPBV
RT: 7.779 min Scan# 767
Delta R.T. 0.030 min
Lab File: 5w55792.D
Acq: 21 Dec 2024 12:26 am

Tgt Ion: 61 Resp: 4953

Ion	Ratio	Lower	Upper
61	100		
43	946.1	0.0	30.0#
88	16.7	7.3	67.3

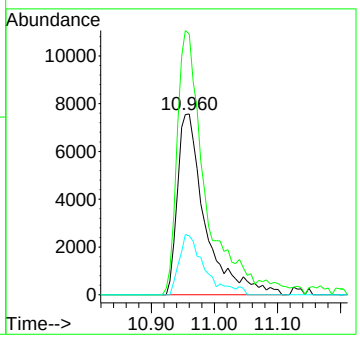




#63
METHYL METHACRYLATE
Concen: 0.7417 PPBV
RT: 10.960 min Scan# 1287
Delta R.T. 0.024 min
Lab File: 5w55792.D
Acq: 21 Dec 2024 12:26 am

Tgt Ion: 69 Resp: 23013

Ion	Ratio	Lower	Upper
69	100		
41	153.8	97.3	157.3
100	30.9	3.0	63.0



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55793.D
Acq On : 21 Dec 2024 1:09 am
Operator : thomash
Sample : je2490-3 Inst : GCMS5W
Misc : MS88104,V5W2136,200,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 23 07:47:44 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

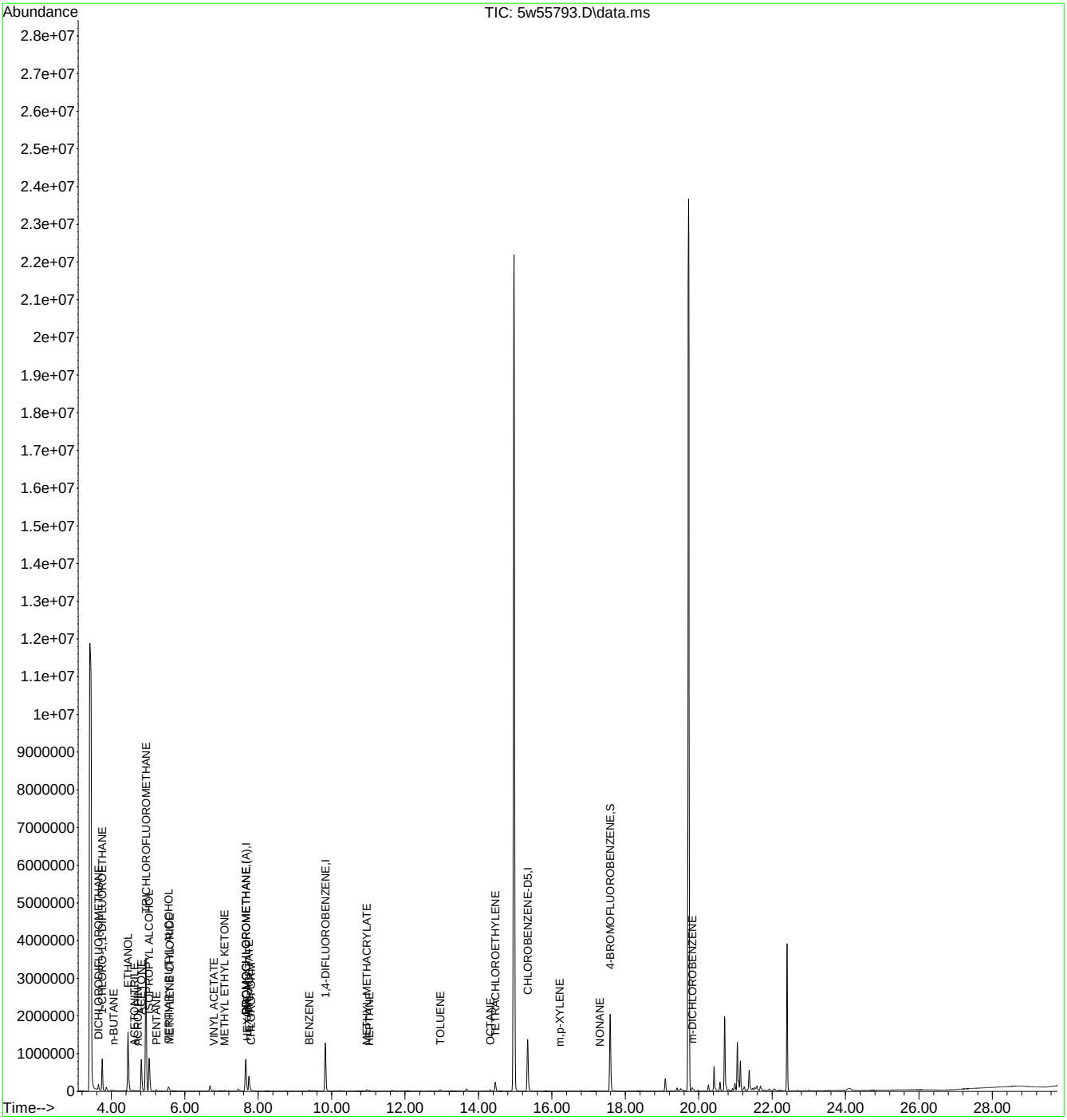
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	7.663	128	230773	10.00	PPBV	# 0.00
51) 1,4-DIFLUOROBENZENE	9.828	114	1129671	10.00	PPBV	0.00
70) CHLOROBENZENE-D5	15.341	82	553501	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	7.663	128	230773	10.00	PPBV	# 0.00
System Monitoring Compounds						
85) 4-BROMOFLUOROBENZENE	17.586	95	733906	11.85	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 118.50%			
Target Compounds						Qvalue
6) DICHLORODIFLUOROMETHANE	3.650	85	128586	1.5247	PPBV	99
8) 1-CHLORO-1,1-DIFLUOROE...	3.747	65	760156	8.8020	PPBV	98
13) n-BUTANE	4.059	43	19792	0.4014	PPBV #	95
17) ACETONITRILE	4.622	41	17857	0.6271	PPBV	96
18) ACROLEIN	4.714	56	5724	0.4603	PPBV	81
21) TRICHLOROFLUOROMETHANE	4.940	101	2837970	36.4147	PPBV	100
22) ISOPROPYL ALCOHOL	5.026	45	1219335	24.6931	PPBV	98
23) ACETONE	4.812	58	291049	15.6371	PPBV #	85
24) PENTANE	5.228	42	17000	0.6930	PPBV	97
28) ETHANOL	4.451	45	2000346	110.5316	PPBV	100
31) METHYLENE CHLORIDE	5.589	84	8584	0.3546	PPBV	90
35) TERTIARY BUTYL ALCOHOL	5.558	59	142858	3.0755	PPBV	88
38) HEXANE	7.693	57	12345	0.3414	PPBV	90
39) VINYL ACETATE	6.794	86	2151	0.5205	PPBV #	63
41) METHYL ETHYL KETONE	7.075	72	10193	1.0183	PPBV #	84
44) ETHYL ACETATE	7.748	61	72495	9.8174	PPBV #	76
46) CHLOROFORM	7.803	83	11459	0.1934	PPBV	96
52) BENZENE	9.394	78	35011	0.4276	PPBV	98
62) HEPTANE	11.028	43	13679	0.3150	PPBV	78
63) METHYL METHACRYLATE	10.948	69	21978	0.8074	PPBV	95
66) TOLUENE	12.961	92	21495	0.3753	PPBV	100
73) TETRACHLOROETHYLENE	14.460	164	68144	1.8849	PPBV	85
76) OCTANE	14.325	43	29185	0.6003	PPBV	74
80) m,p-XYLENE	16.209	106	5512	0.1424	PPBV #	76
83) NONANE	17.304	43	5333	0.1051	PPBV #	80
97) m-DICHLOROBENZENE	19.825	146	12193	0.1609	PPBV	97

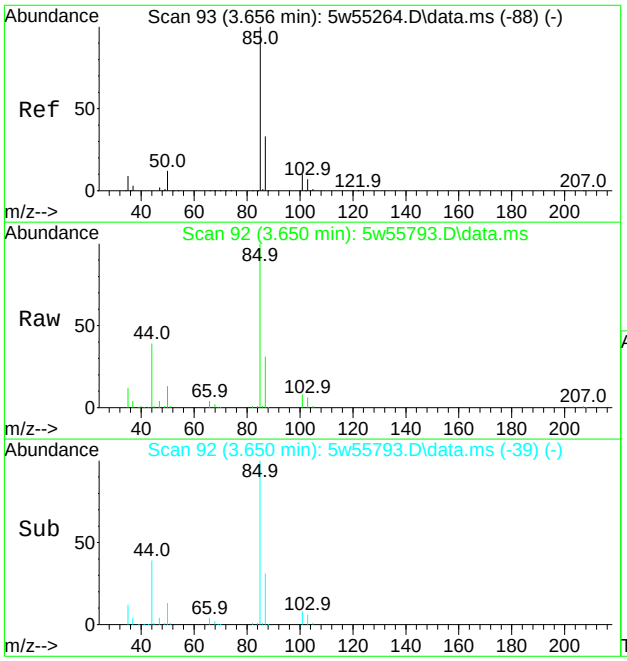
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55793.D
Acq On : 21 Dec 2024 1:09 am
Operator : thomash
Sample : je2490-3 Inst : GCMS5W
Misc : MS88104,V5W2136,200,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 23 07:47:44 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

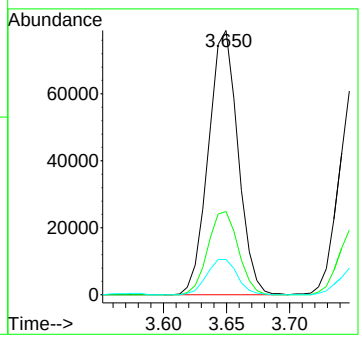


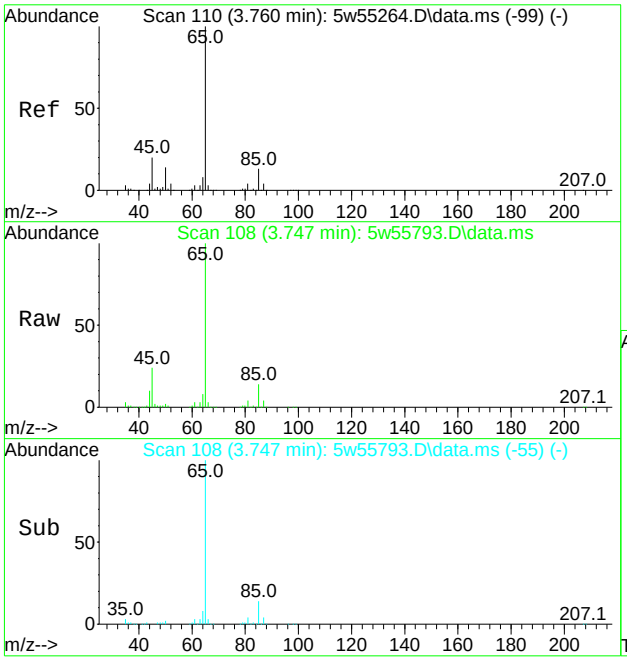


#6
DICHLORODIFLUOROMETHANE
Concen: 1.5247 PPBV
RT: 3.650 min Scan# 92
Delta R.T. -0.006 min
Lab File: 5w55793.D
Acq: 21 Dec 2024 1:09 am

Tgt Ion: 85 Resp: 128586

Ion	Ratio	Lower	Upper
85	100		
87	32.3	2.6	62.6
50	13.8	0.0	43.0

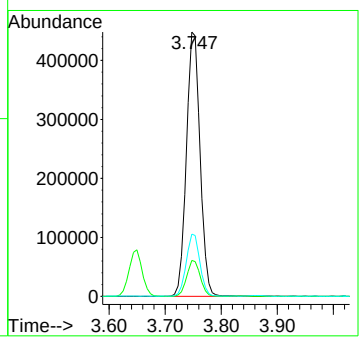


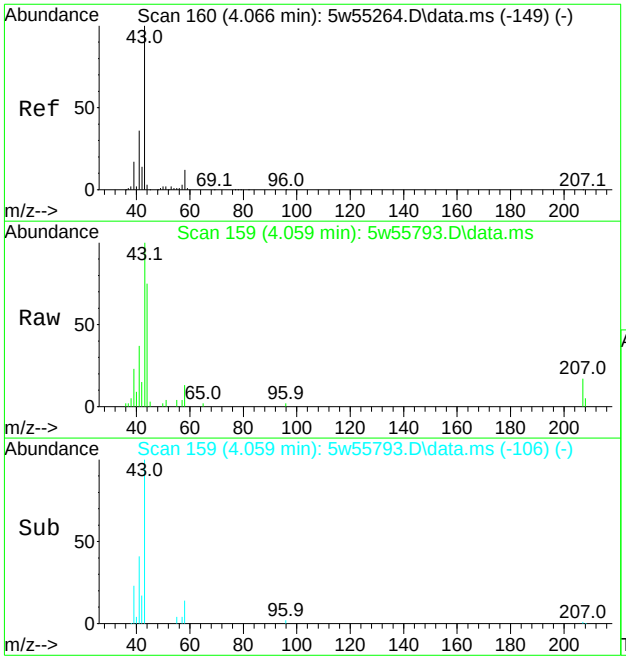


#8
1-CHLORO-1,1-DIFLUOROETHANE
Concen: 8.8020 PPBV
RT: 3.747 min Scan# 108
Delta R.T. -0.006 min
Lab File: 5w55793.D
Acq: 21 Dec 2024 1:09 am

Tgt Ion: 65 Resp: 760156

Ion	Ratio	Lower	Upper
65	100		
85	13.5	10.1	18.7
45	23.3	15.9	29.5

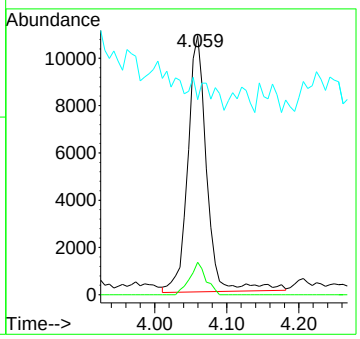


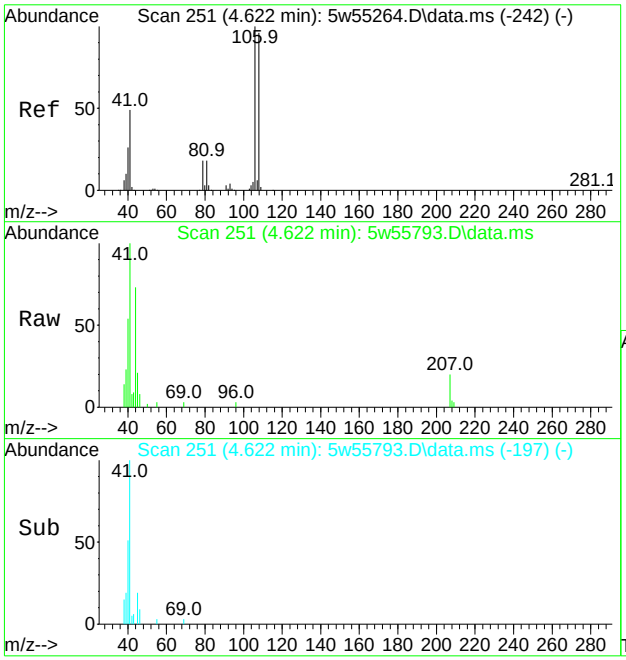


#13
n-BUTANE
Concen: 0.4014 PPBV
RT: 4.059 min Scan# 159
Delta R.T. -0.006 min
Lab File: 5w55793.D
Acq: 21 Dec 2024 1:09 am

Tgt Ion: 43 Resp: 19792

Ion	Ratio	Lower	Upper
43	100		
58	10.9	0.0	41.6
44	0.0	0.0	34.7

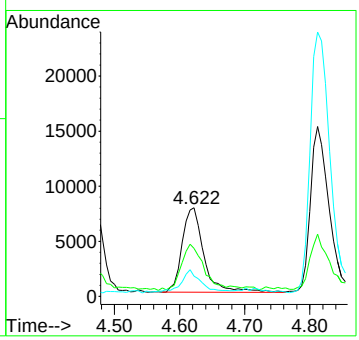


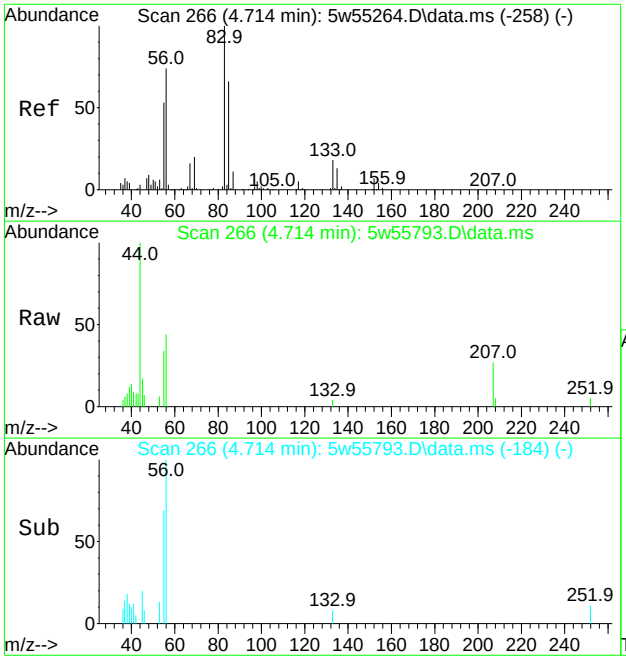


#17
ACETONITRILE
Concen: 0.6271 PPBV
RT: 4.622 min Scan# 251
Delta R.T. -0.000 min
Lab File: 5w55793.D
Acq: 21 Dec 2024 1:09 am

Tgt Ion: 41 Resp: 17857

Ion	Ratio	Lower	Upper
41	100		
40	57.6	38.4	71.4
39	21.6	13.7	25.5

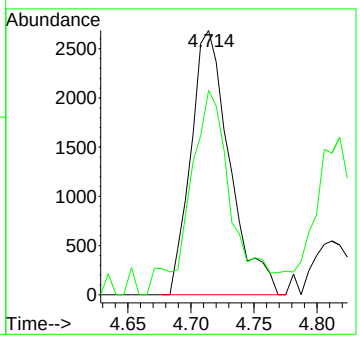


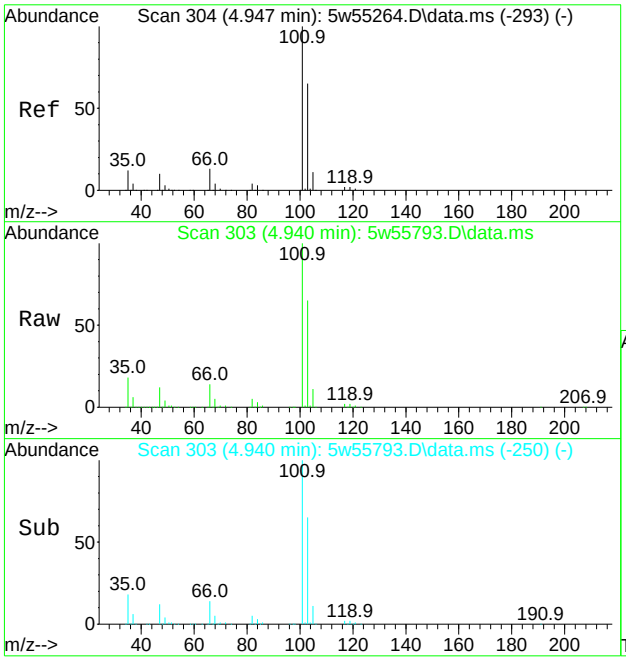


#18
ACROLEIN
Concen: 0.4603 PPBV
RT: 4.714 min Scan# 266
Delta R.T. -0.000 min
Lab File: 5w55793.D
Acq: 21 Dec 2024 1:09 am

Tgt Ion: 56 Resp: 5724

Ion	Ratio	Lower	Upper
56	100		
55	87.2	49.8	92.6

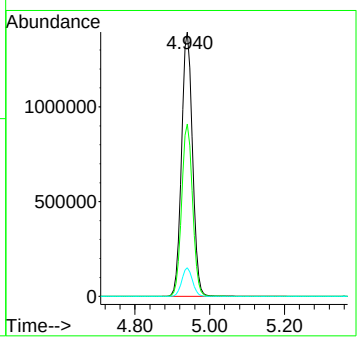


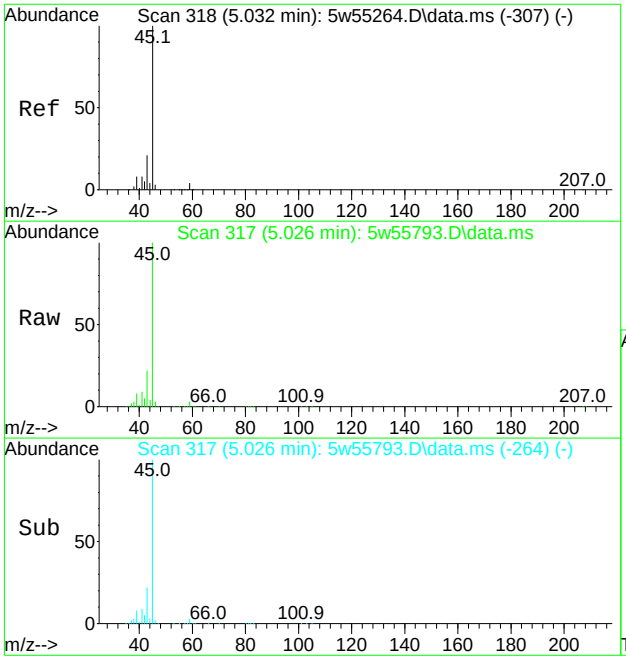


#21
TRICHLOROFLUOROMETHANE
Concen: 36.4147 PPBV
RT: 4.940 min Scan# 303
Delta R.T. -0.006 min
Lab File: 5w55793.D
Acq: 21 Dec 2024 1:09 am

Tgt Ion:101 Resp: 2837970

Ion	Ratio	Lower	Upper
101	100		
103	65.1	34.7	94.7
105	10.6	0.0	40.5

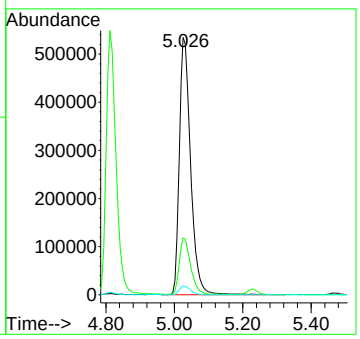


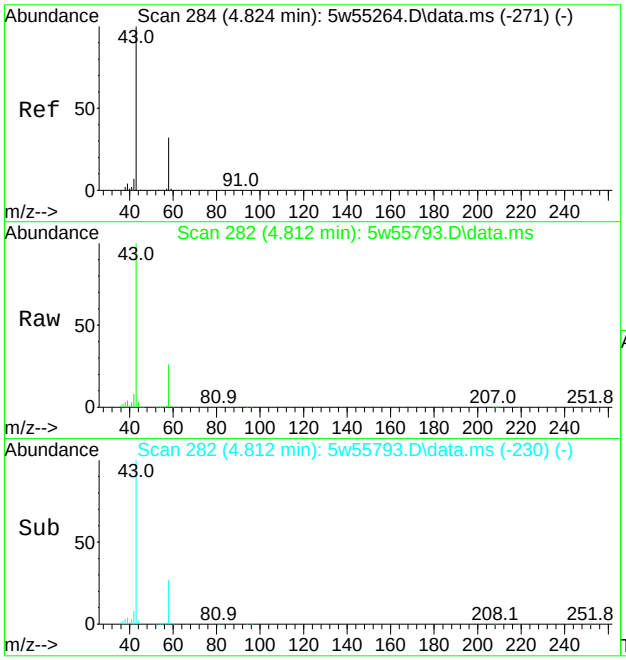


#22
ISOPROPYL ALCOHOL
Concen: 24.6931 PPBV
RT: 5.026 min Scan# 317
Delta R.T. -0.006 min
Lab File: 5w55793.D
Acq: 21 Dec 2024 1:09 am

Tgt Ion: 45 Resp: 1219335

Ion	Ratio	Lower	Upper
45	100		
43	22.1	0.0	50.8
59	3.5	0.0	33.8

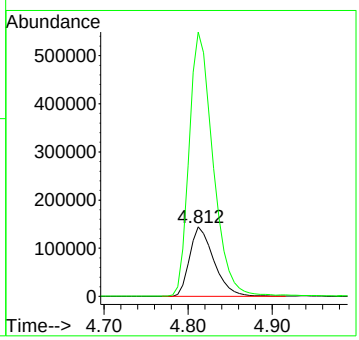


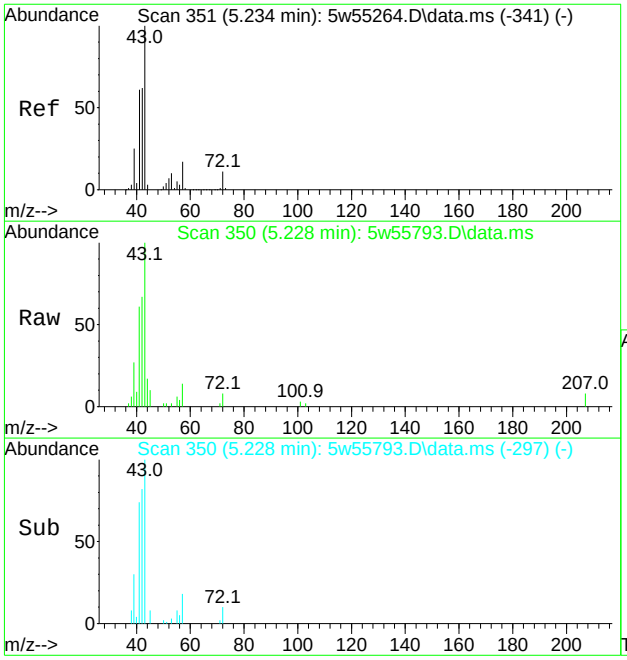


#23
ACETONE
Concen: 15.6371 PPBV
RT: 4.812 min Scan# 282
Delta R.T. -0.012 min
Lab File: 5w55793.D
Acq: 21 Dec 2024 1:09 am

Tgt Ion: 58 Resp: 291049

Ion	Ratio	Lower	Upper
58	100		
43	374.5	312.3	372.3#

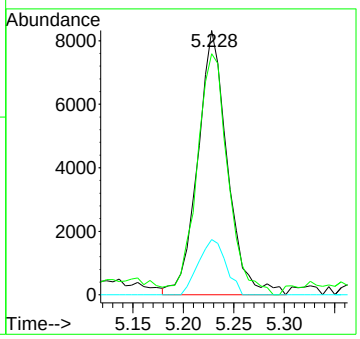


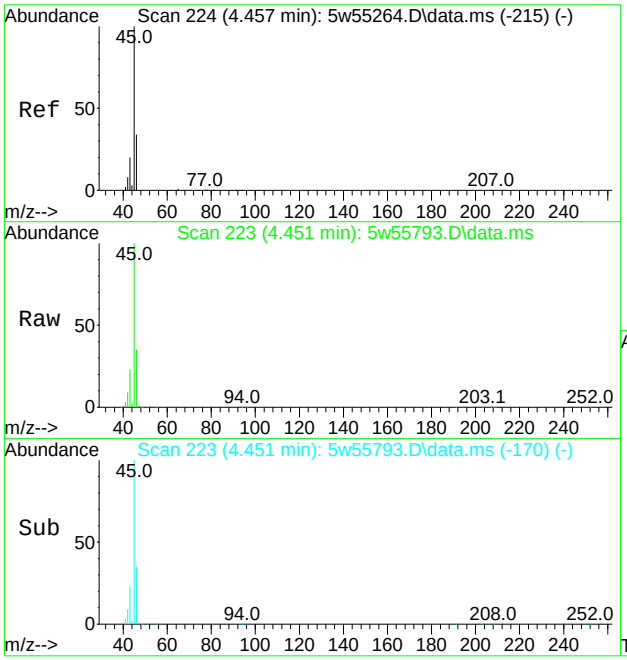


#24
PENTANE
Concen: 0.6930 PPBV
RT: 5.228 min Scan# 350
Delta R.T. -0.006 min
Lab File: 5w55793.D
Acq: 21 Dec 2024 1:09 am

Tgt Ion: 42 Resp: 17000

Ion	Ratio	Lower	Upper
42	100		
41	95.7	64.4	124.4
57	19.2	0.0	55.0

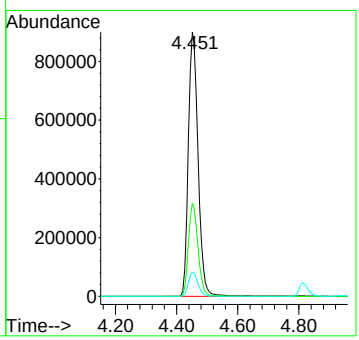


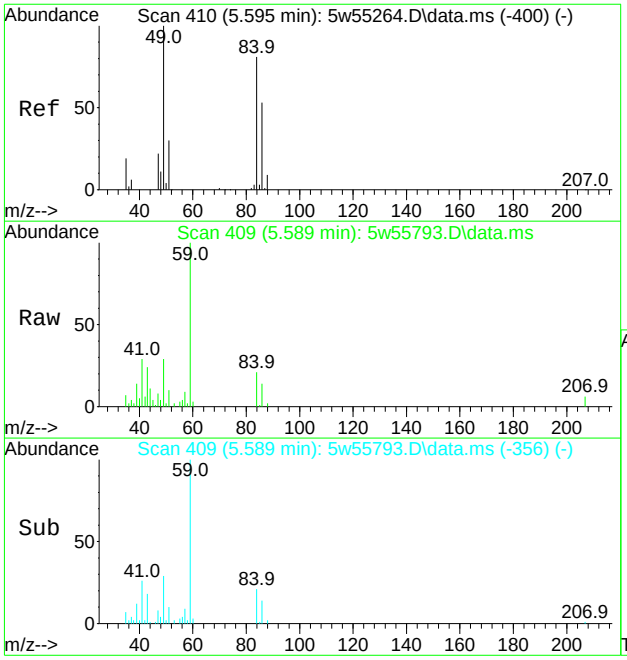


#28
ETHANOL
Concen: 110.5316 PPBV
RT: 4.451 min Scan# 223
Delta R.T. -0.006 min
Lab File: 5w55793.D
Acq: 21 Dec 2024 1:09 am

Tgt Ion: 45 Resp: 2000346

Ion	Ratio	Lower	Upper
45	100		
46	34.7	4.5	64.5
42	8.9	0.0	38.6

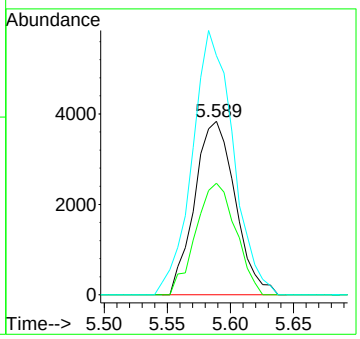


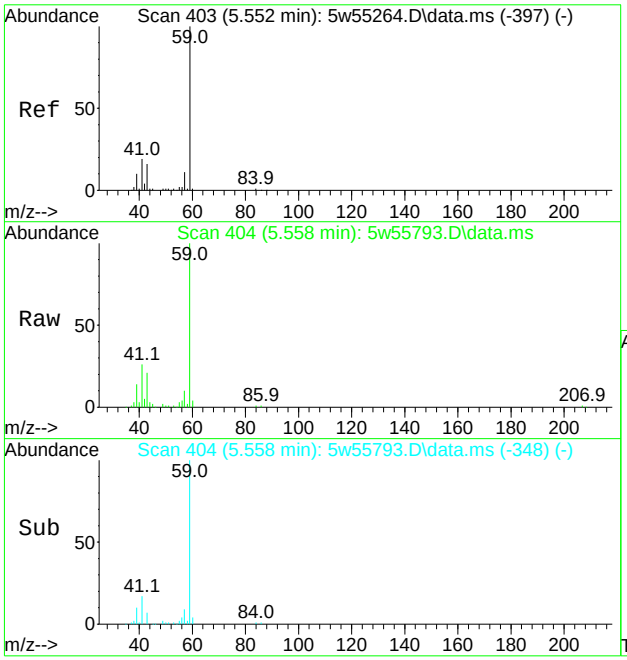


#31
METHYLENE CHLORIDE
Concen: 0.3546 PPBV
RT: 5.589 min Scan# 409
Delta R.T. -0.006 min
Lab File: 5w55793.D
Acq: 21 Dec 2024 1:09 am

Tgt Ion: 84 Resp: 8584

Ion	Ratio	Lower	Upper
84	100		
86	63.1	34.0	94.0
49	153.3	105.8	165.8

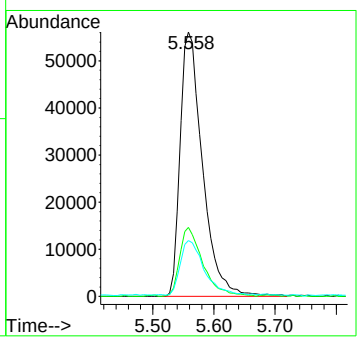


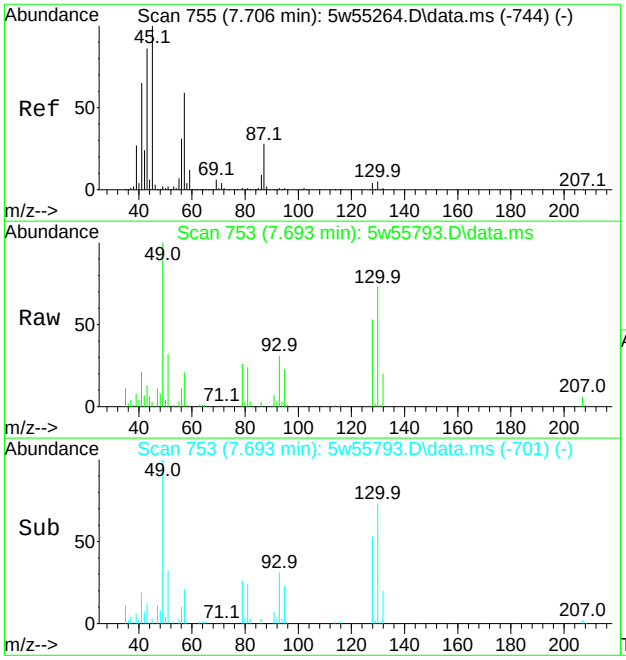


#35
TERTIARY BUTYL ALCOHOL
Concen: 3.0755 PPBV
RT: 5.558 min Scan# 404
Delta R.T. 0.012 min
Lab File: 5w55793.D
Acq: 21 Dec 2024 1:09 am

Tgt Ion: 59 Resp: 142858

Ion	Ratio	Lower	Upper
59	100		
41	27.0	0.0	53.1
43	24.7	0.0	47.1

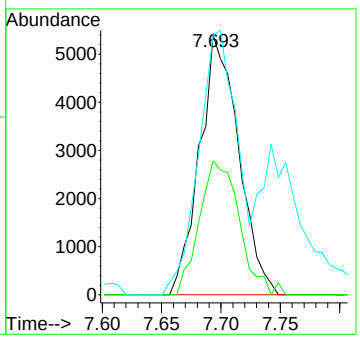


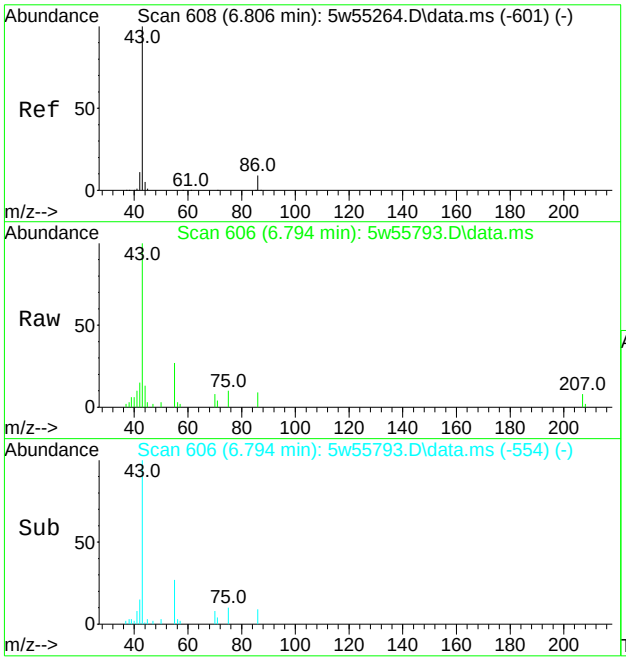


#38
HEXANE
Concen: 0.3414 PPBV
RT: 7.693 min Scan# 753
Delta R.T. -0.012 min
Lab File: 5w55793.D
Acq: 21 Dec 2024 1:09 am

Tgt Ion: 57 Resp: 12345

Ion	Ratio	Lower	Upper
57	100		
56	52.7	24.2	84.2
41	106.2	92.1	152.1

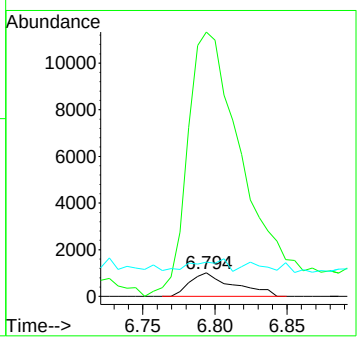


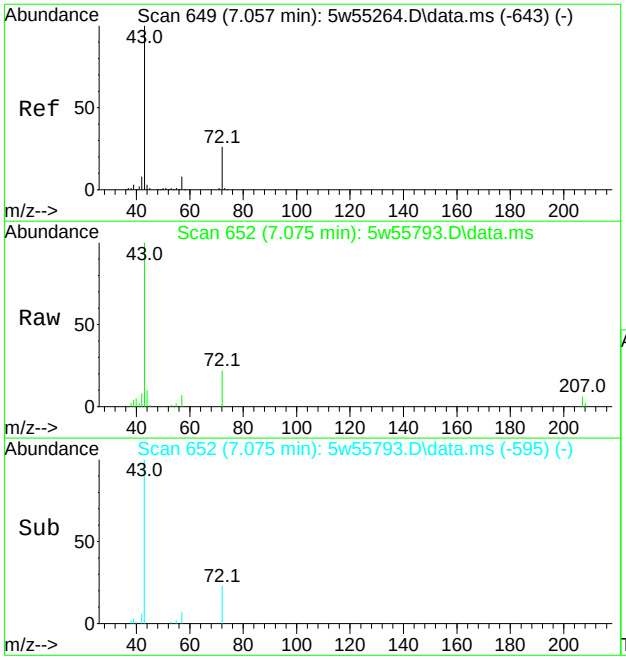


#39
VINYL ACETATE
Concen: 0.5205 PPBV
RT: 6.794 min Scan# 606
Delta R.T. -0.012 min
Lab File: 5w55793.D
Acq: 21 Dec 2024 1:09 am

Tgt Ion: 86 Resp: 2151

Ion	Ratio	Lower	Upper
86	100		
43	1570.2	1335.5	1395.5#
44	33.5	40.9	100.9#

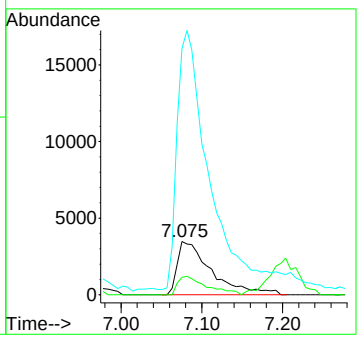


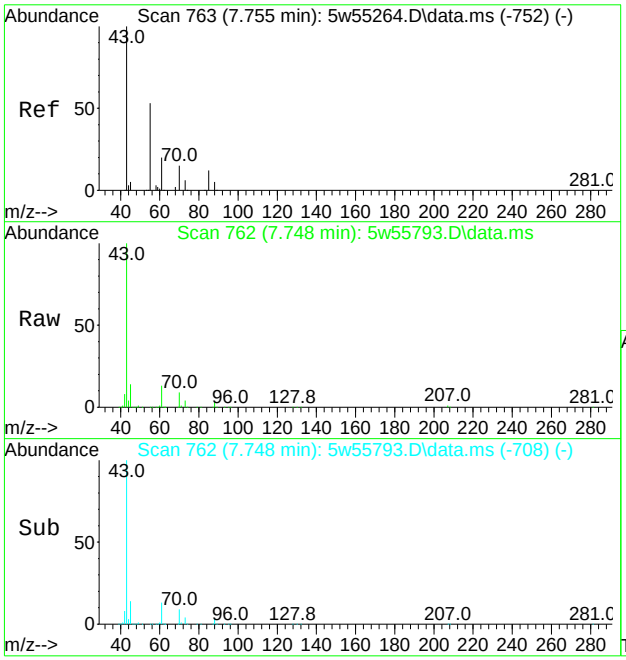


#41
METHYL ETHYL KETONE
Concen: 1.0183 PPBV
RT: 7.075 min Scan# 652
Delta R.T. 0.018 min
Lab File: 5w55793.D
Acq: 21 Dec 2024 1:09 am

Tgt Ion: 72 Resp: 10193

Ion	Ratio	Lower	Upper
72	100		
57	32.8	1.1	61.1
43	462.0	390.6	450.6#

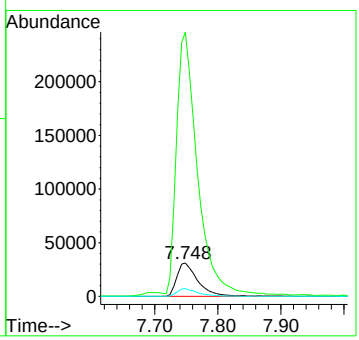


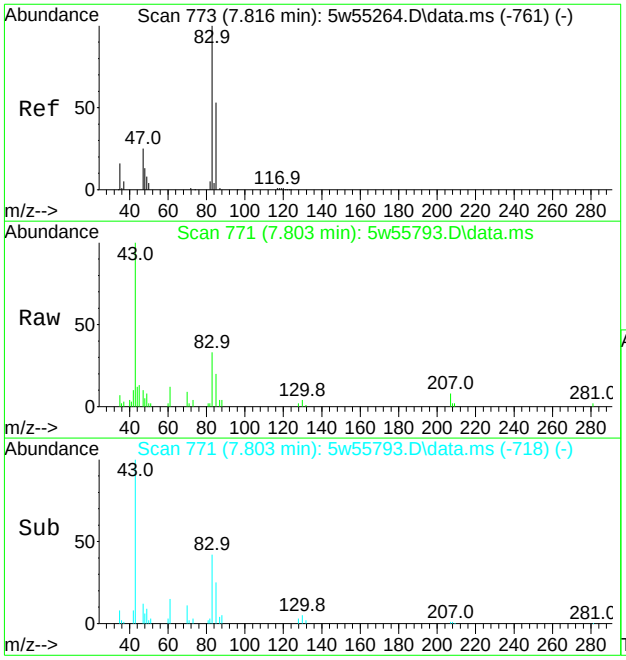


#44
ETHYL ACETATE
Concen: 9.8174 PPBV
RT: 7.748 min Scan# 762
Delta R.T. -0.000 min
Lab File: 5w55793.D
Acq: 21 Dec 2024 1:09 am

Tgt Ion: 61 Resp: 72495

Ion	Ratio	Lower	Upper
61	100		
43	797.8	0.0	30.0#
88	22.9	7.3	67.3

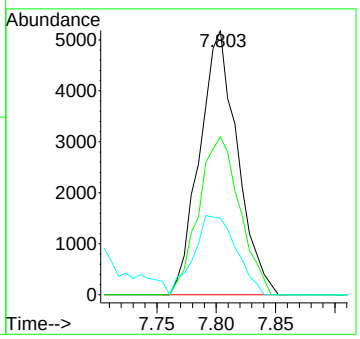


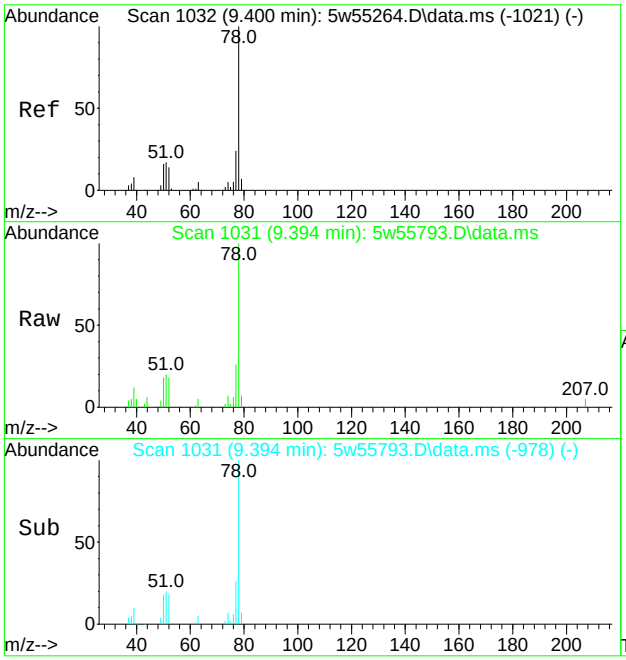


#46
CHLOROFORM
Concen: 0.1934 PPBV
RT: 7.803 min Scan# 771
Delta R.T. -0.006 min
Lab File: 5w55793.D
Acq: 21 Dec 2024 1:09 am

Tgt Ion: 83 Resp: 11459

Ion	Ratio	Lower	Upper
83	100		
85	64.8	35.5	95.5
47	33.6	0.0	56.8

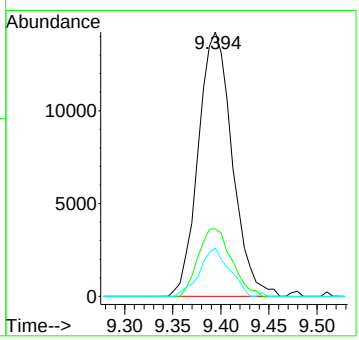


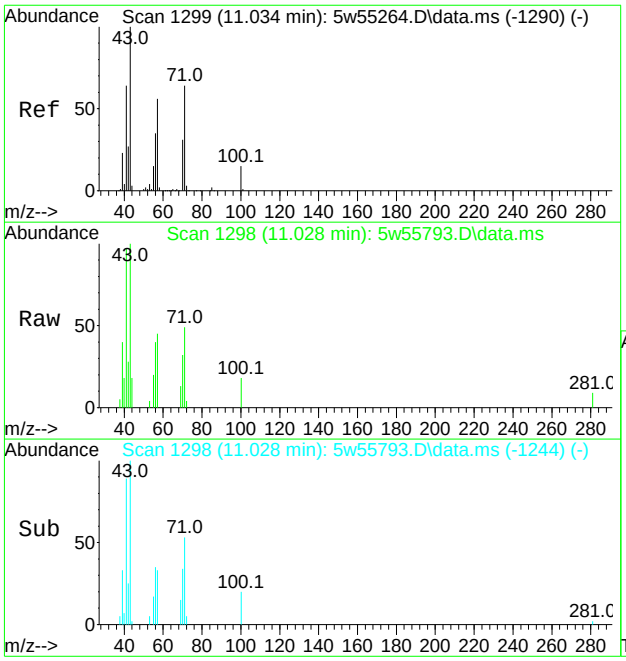


#52
BENZENE
Concen: 0.4276 PPBV
RT: 9.394 min Scan# 1031
Delta R.T. -0.006 min
Lab File: 5w55793.D
Acq: 21 Dec 2024 1:09 am

Tgt Ion: 78 Resp: 35011

Ion	Ratio	Lower	Upper
78	100		
77	25.1	0.0	54.0
52	16.1	0.0	45.6

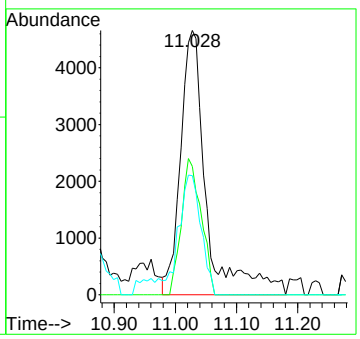


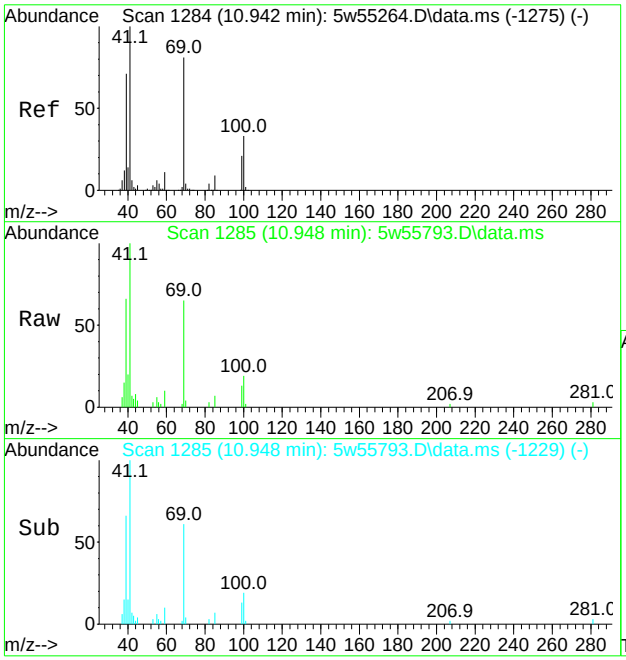


#62
HEPTANE
Concen: 0.3150 PPBV
RT: 11.028 min Scan# 1298
Delta R.T. -0.000 min
Lab File: 5w55793.D
Acq: 21 Dec 2024 1:09 am

Tgt Ion: 43 Resp: 13679

Ion	Ratio	Lower	Upper
43	100		
71	39.6	27.2	87.2
57	38.1	22.5	82.5

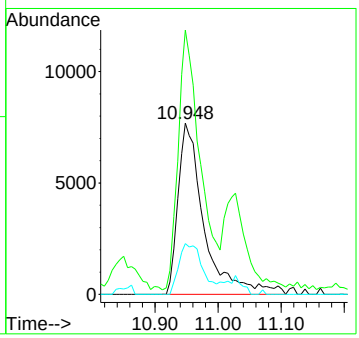


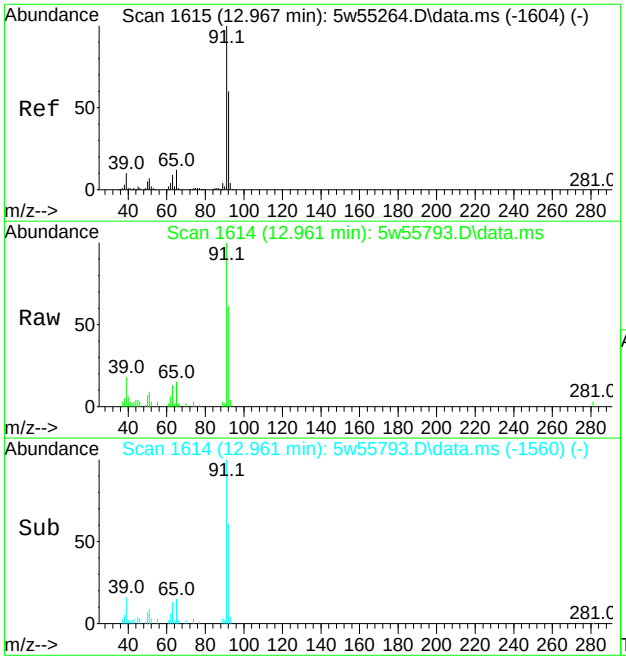


#63
METHYL METHACRYLATE
Concen: 0.8074 PPBV
RT: 10.948 min Scan# 1285
Delta R.T. 0.012 min
Lab File: 5w55793.D
Acq: 21 Dec 2024 1:09 am

Tgt Ion: 69 Resp: 21978

Ion	Ratio	Lower	Upper
69	100		
41	134.0	97.3	157.3
100	33.9	3.0	63.0

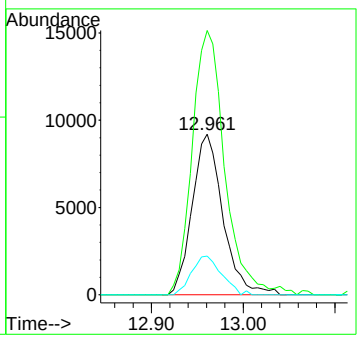


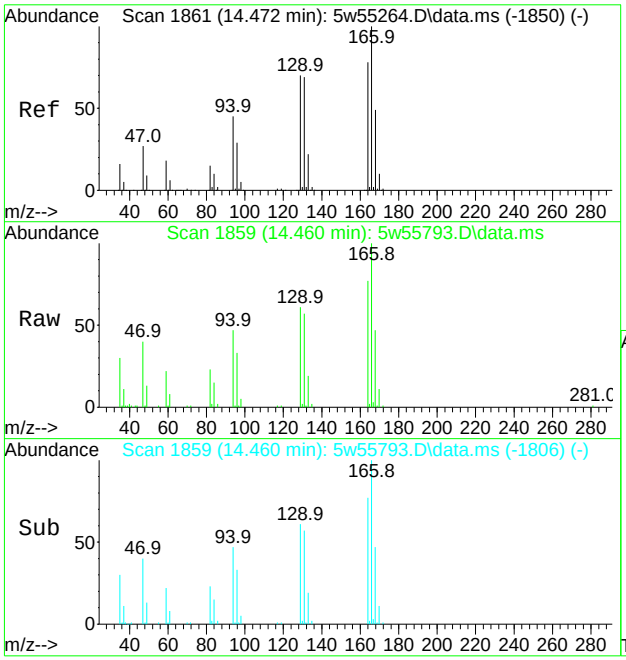


#66
TOLUENE
Concen: 0.3753 PPBV
RT: 12.961 min Scan# 1614
Delta R.T. -0.000 min
Lab File: 5w55793.D
Acq: 21 Dec 2024 1:09 am

Tgt Ion: 92 Resp: 21495

Ion	Ratio	Lower	Upper
92	100		
91	173.9	143.4	203.4
65	23.5	0.0	53.8

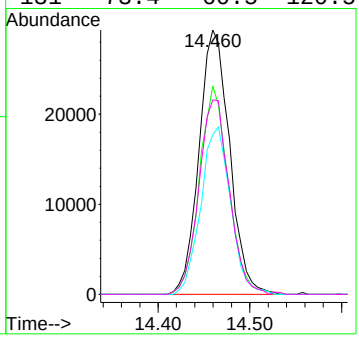


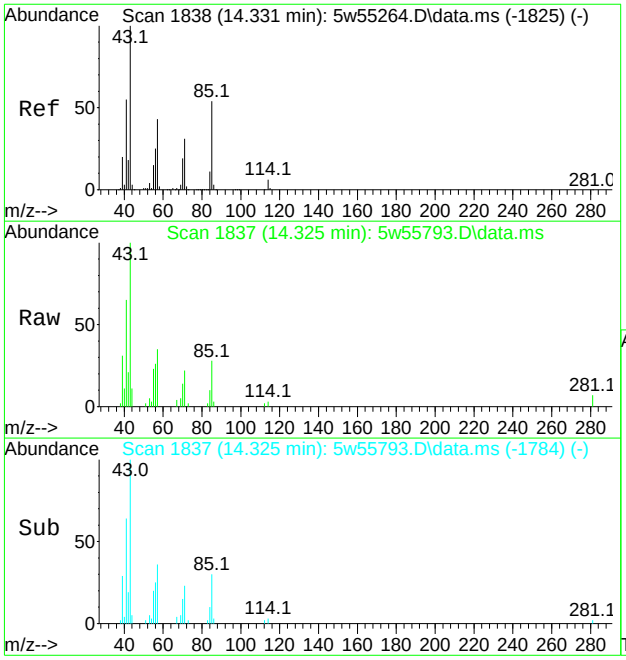


#73
TETRACHLOROETHYLENE
Concen: 1.8849 PPBV
RT: 14.460 min Scan# 1859
Delta R.T. -0.006 min
Lab File: 5w55793.D
Acq: 21 Dec 2024 1:09 am

Tgt Ion:164 Resp: 68144

Ion	Ratio	Lower	Upper
164	100		
129	74.4	64.4	124.4
168	61.8	31.2	91.2
131	73.4	60.5	120.5

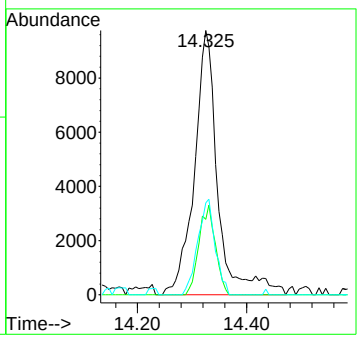


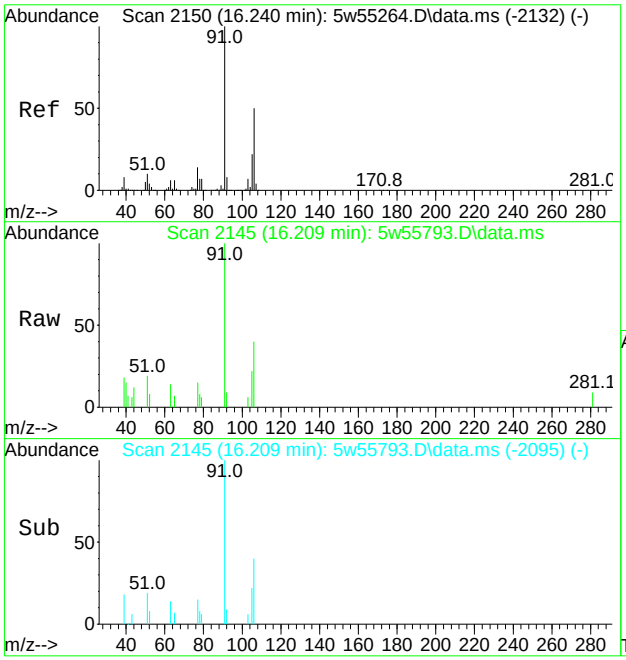


#76
OCTANE
Concen: 0.6003 PPBV
RT: 14.325 min Scan# 1837
Delta R.T. -0.006 min
Lab File: 5w55793.D
Acq: 21 Dec 2024 1:09 am

Tgt Ion: 43 Resp: 29185

Ion	Ratio	Lower	Upper
43	100		
85	23.8	13.7	73.7
57	26.9	9.9	69.9

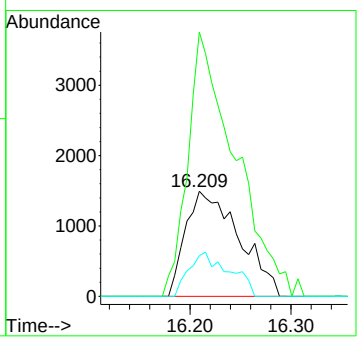


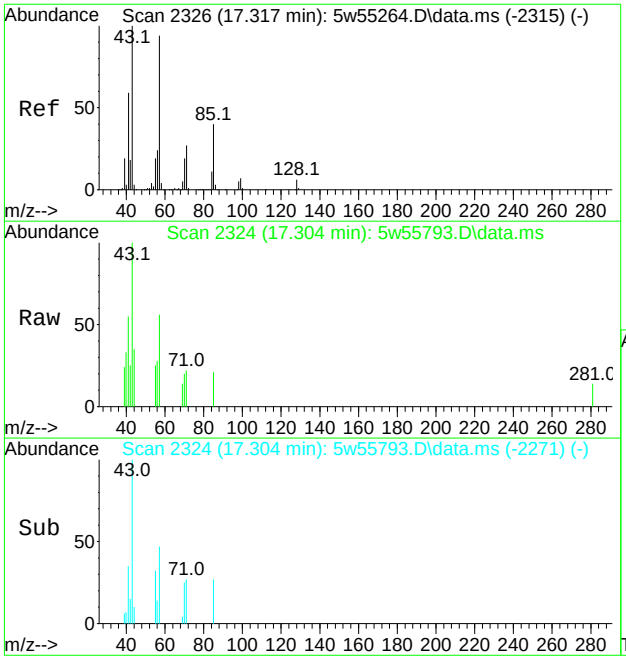


#80
m,p-XYLENE
Concen: 0.1424 PPBV
RT: 16.209 min Scan# 2145
Delta R.T. -0.025 min
Lab File: 5w55793.D
Acq: 21 Dec 2024 1:09 am

Tgt Ion:106 Resp: 5512

Ion	Ratio	Lower	Upper
106	100		
91	251.2	181.2	241.2#
77	38.8	0.1	60.1

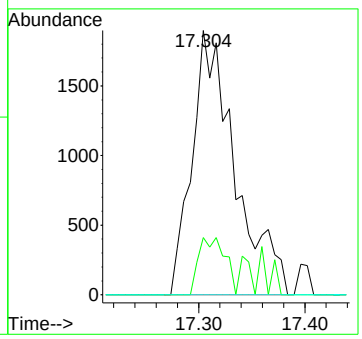


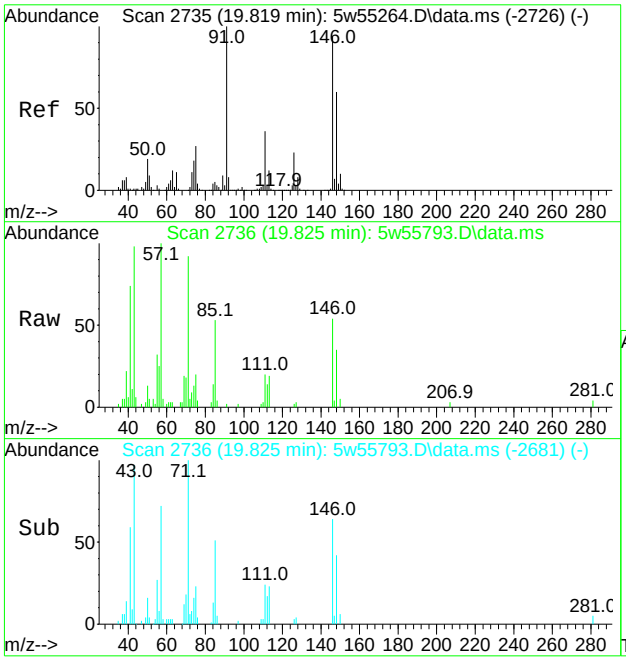


#83
NONANE
Concen: 0.1051 PPBV
RT: 17.304 min Scan# 2324
Delta R.T. -0.006 min
Lab File: 5w55793.D
Acq: 21 Dec 2024 1:09 am

Tgt Ion: 43 Resp: 5333

Ion	Ratio	Lower	Upper
43	100		
71	13.4	0.0	53.8
128	0.0	0.0	34.3

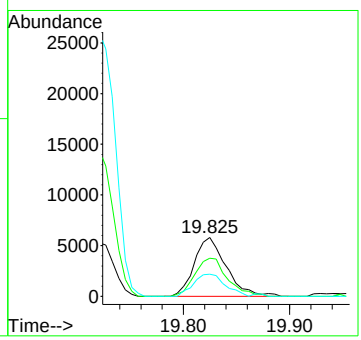




#97
m-DICHLOROBENZENE
Concen: 0.1609 PPBV
RT: 19.825 min Scan# 2736
Delta R.T. 0.006 min
Lab File: 5w55793.D
Acq: 21 Dec 2024 1:09 am

Tgt Ion:146 Resp: 12193

Ion	Ratio	Lower	Upper
146	100		
148	66.2	34.2	94.2
111	37.4	10.1	70.1



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 12/23/24 12:03

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\121924\v5w2133\
Data File : 5w55721.D
Acq On : 18 Dec 2024 12:42 pm
Operator : thomash
Sample : je2490-4 Inst : GCMS5W
Misc : MS88104,V5W2133,500,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 19 00:06:35 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

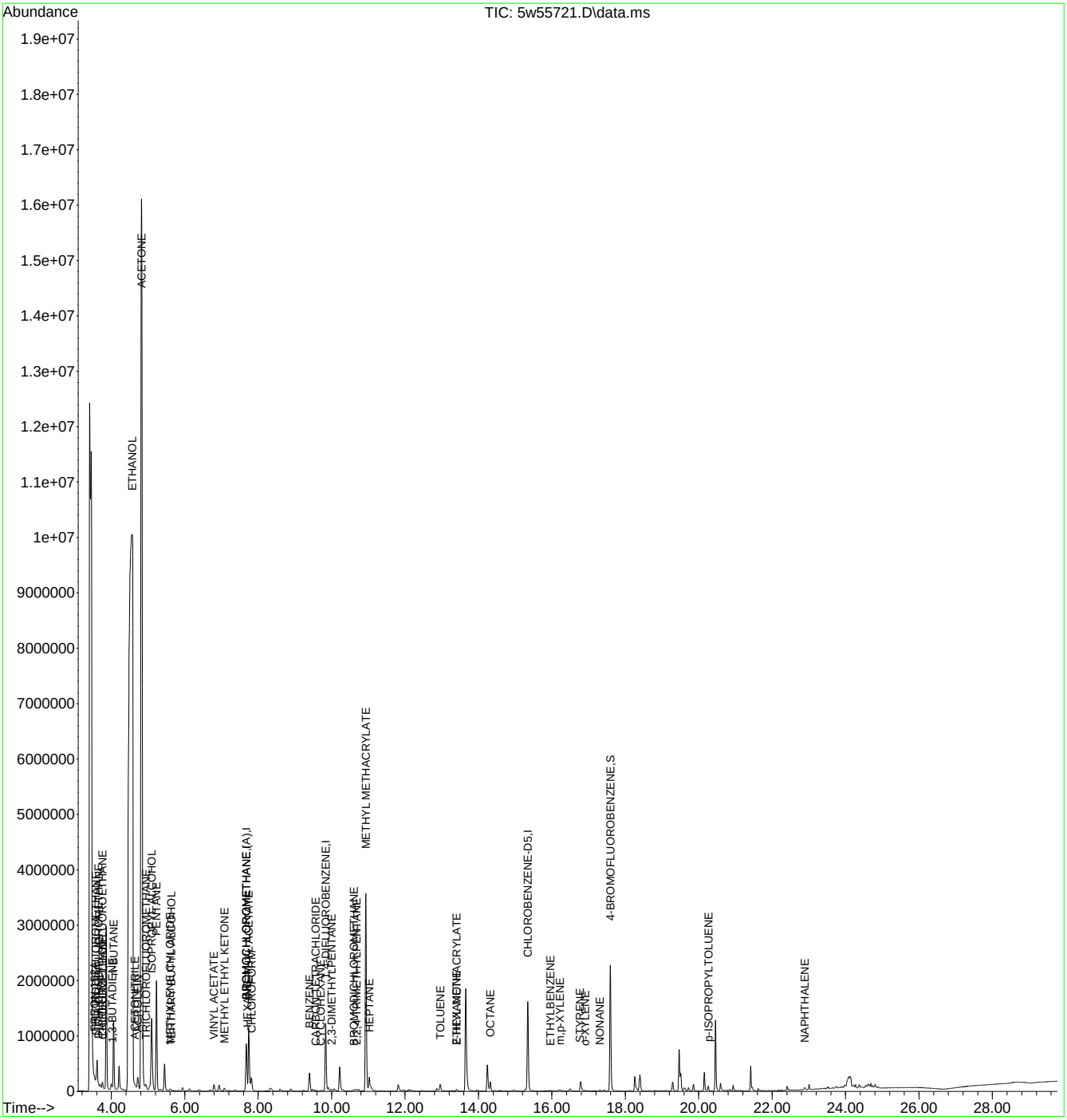
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	7.675	128	201833	10.00	PPBV	# 0.00
51) 1,4-DIFLUOROBENZENE	9.835	114	1009609	10.00	PPBV	0.00
70) CHLOROBENZENE-D5	15.341	82	643332	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	7.675	128	201833	10.00	PPBV	# 0.00
System Monitoring Compounds						
85) 4-BROMOFLUOROBENZENE	17.592	95	793405	11.02	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 110.20%			
Target Compounds						Qvalue
3) FREON 152A	3.540	65	20301m	1.3595	PPBV	
4) CHLORODIFLUOROMETHANE	3.570	67	5625	0.7265	PPBV	98
6) DICHLORODIFLUOROMETHANE	3.650	85	45944	0.6229	PPBV	98
8) 1-CHLORO-1,1-DIFLUOROE...	3.754	65	68106	0.9017	PPBV #	57
10) CHLOROMETHANE	3.766	52	9700	1.0198	PPBV	96
12) 1,3-BUTADIENE	4.023	54	21100	0.9387	PPBV #	22
13) n-BUTANE	4.060	43	1068697	24.7850	PPBV	97
17) ACETONITRILE	4.635	41	32309	1.2972	PPBV	97
18) ACROLEIN	4.714	56	200065	18.3952	PPBV	98
21) TRICHLOROFLUOROMETHANE	4.941	101	54485	0.7994	PPBV	99
22) ISOPROPYL ALCOHOL	5.094	45	2086440	48.3116	PPBV	96
23) ACETONE	4.818	58	8834286	542.6930	PPBV #	73
24) PENTANE	5.228	42	808647	37.6921	PPBV	97
28) ETHANOL	4.574	45	41259274m	2606.7277	PPBV	
31) METHYLENE CHLORIDE	5.601	84	12098	0.5715	PPBV	87
35) TERTIARY BUTYL ALCOHOL	5.632	59	12367	0.3044	PPBV #	37
38) HEXANE	7.700	57	35206	1.1133	PPBV #	77
39) VINYL ACETATE	6.794	86	16076	4.4475	PPBV #	53
41) METHYL ETHYL KETONE	7.076	72	18973m	2.1671	PPBV	
44) ETHYL ACETATE	7.742	61	200701	31.0763	PPBV #	74
46) CHLOROFORM	7.816	83	179362	3.4618	PPBV	96
49) CARBON TETRACHLORIDE	9.566	117	6299	0.1133	PPBV	99
52) BENZENE	9.400	78	329826	4.5072	PPBV	99
53) CYCLOHEXANE	9.700	84	3367	0.1225	PPBV #	40
54) 2,3-DIMETHYLPENTANE	9.994	71	5624	0.3789	PPBV #	58
59) BROMODICHLOROMETHANE	10.606	83	10092	0.1498	PPBV	90
60) 2,2,4-TRIMETHYLPENTANE	10.679	57	25075	0.2256	PPBV #	51
62) HEPTANE	11.022	43	127557	3.2864	PPBV	85
63) METHYL METHACRYLATE	10.930	69	1436765	59.0585	PPBV	87
66) TOLUENE	12.961	92	57932	1.1318	PPBV	98
71) 2-HEXANONE	13.401	58	5977	0.1969	PPBV	86
72) ETHYL METHACRYLATE	13.408	69	13750	0.3094	PPBV #	66
76) OCTANE	14.325	43	103718	1.8355	PPBV	83
79) ETHYLBENZENE	15.959	91	17089	0.1441	PPBV	95
80) m,p-XYLENE	16.216	106	10578	0.2350	PPBV	98
81) o-XYLENE	16.907	106	5113	0.1170	PPBV	92
82) STYRENE	16.766	104	10935	0.1745	PPBV	95
83) NONANE	17.304	43	11876	0.2014	PPBV	98
102) p-ISOPROPYLTOLUENE	20.265	134	10552	0.3233	PPBV	96
108) NAPHTHALENE	22.890	128	20447	0.1307	PPBV	98

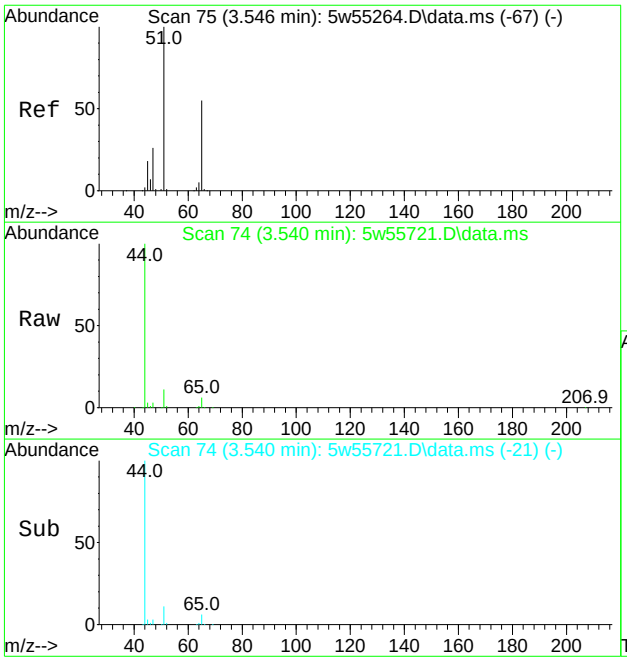
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\121924\v5w2133\
Data File : 5w55721.D
Acq On : 18 Dec 2024 12:42 pm
Operator : thomash
Sample : je2490-4 Inst : GCMS5W
Misc : MS88104,V5W2133,500,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 19 00:06:35 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

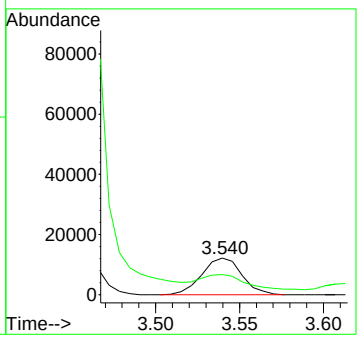


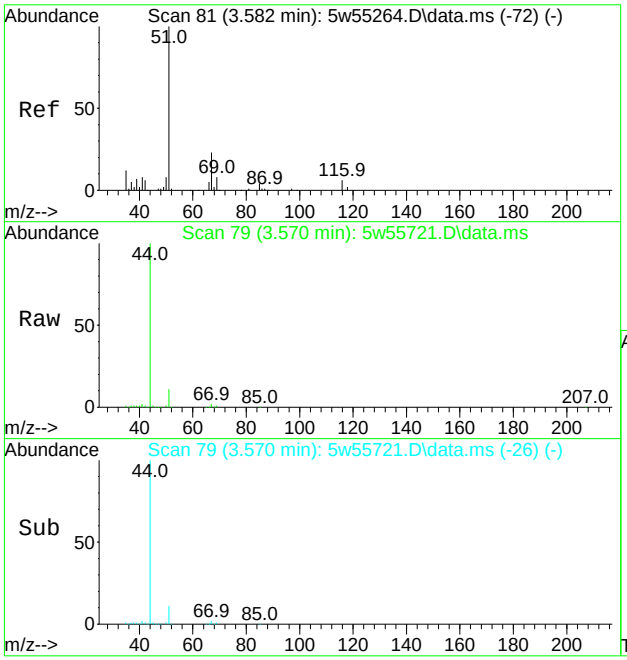


#3
FREON 152A
Concen: 1.3595 PPBV m
RT: 3.540 min Scan# 74
Delta R.T. -0.006 min
Lab File: 5w55721.D
Acq: 18 Dec 2024 12:42 pm

Tgt Ion: 65 Resp: 20301

Ion	Ratio	Lower	Upper
65	100		
45	188.5	1.8	61.8#

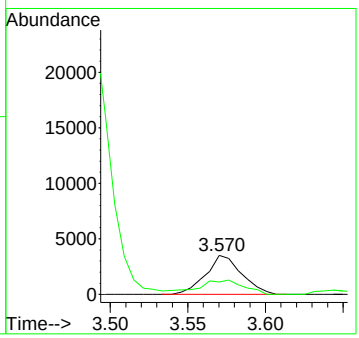


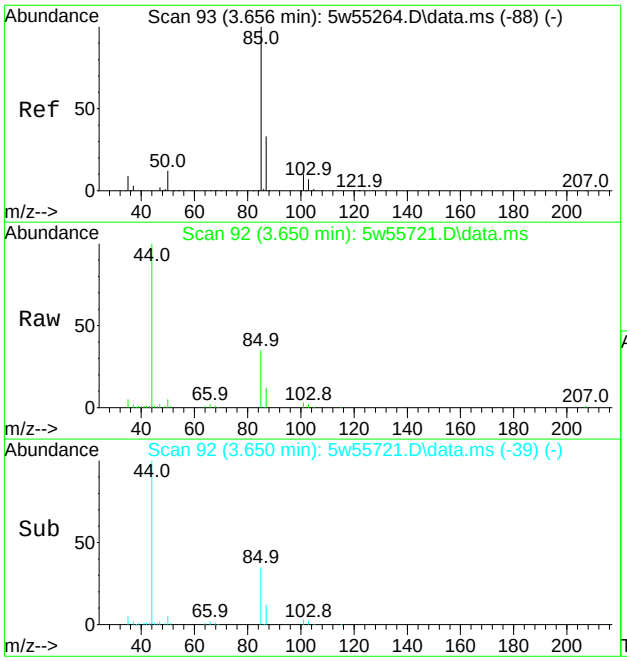


#4
CHLORODIFLUOROMETHANE
Concen: 0.7265 PPBV
RT: 3.570 min Scan# 79
Delta R.T. -0.006 min
Lab File: 5w55721.D
Acq: 18 Dec 2024 12:42 pm

Tgt Ion: 67 Resp: 5625

Ion	Ratio	Lower	Upper
67	100		
69	31.6	2.9	62.9

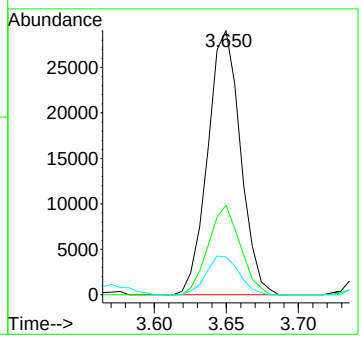


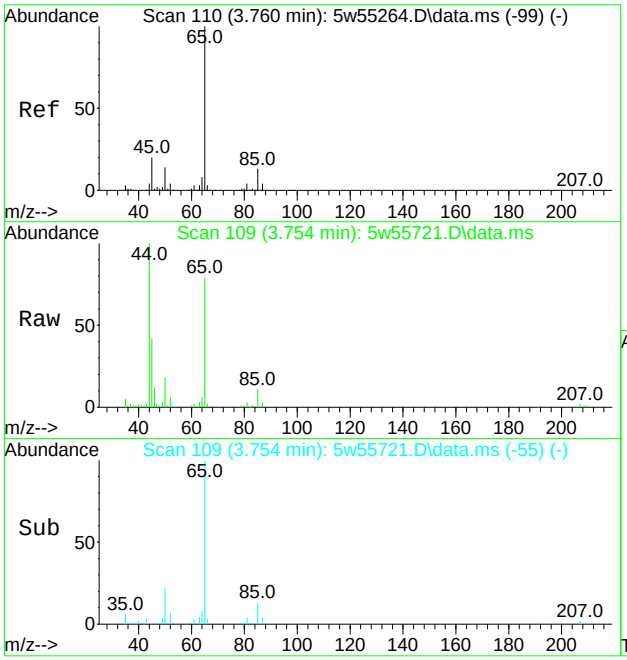


#6
DICHLORODIFLUOROMETHANE
Concen: 0.6229 PPBV
RT: 3.650 min Scan# 92
Delta R.T. -0.006 min
Lab File: 5w55721.D
Acq: 18 Dec 2024 12:42 pm

Tgt Ion: 85 Resp: 45944

Ion	Ratio	Lower	Upper
85	100		
87	33.1	2.6	62.6
50	14.7	0.0	43.0

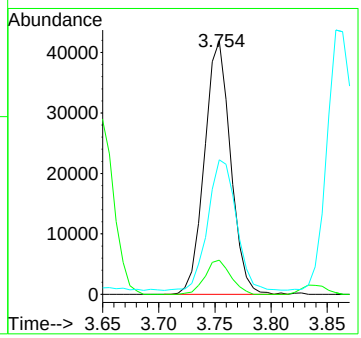


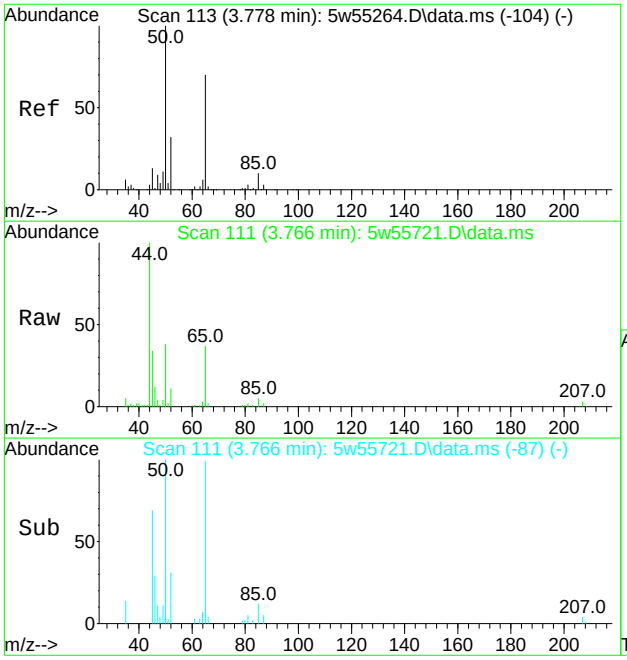


#8
1-CHLORO-1,1-DIFLUOROETHANE
Concen: 0.9017 PPBV
RT: 3.754 min Scan# 109
Delta R.T. 0.000 min
Lab File: 5w55721.D
Acq: 18 Dec 2024 12:42 pm

Tgt Ion: 65 Resp: 68106

Ion	Ratio	Lower	Upper
65	100		
85	13.3	10.1	18.7
45	56.1	15.9	29.5#

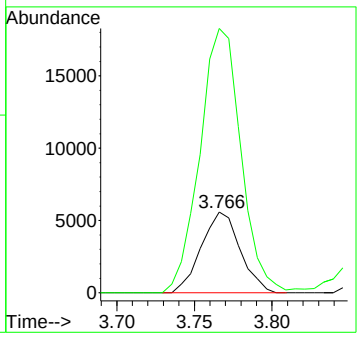


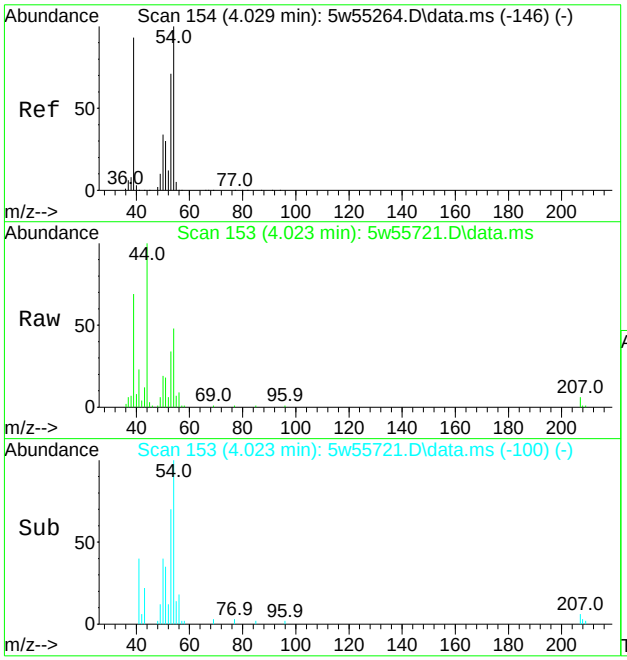


#10
CHLOROMETHANE
Concen: 1.0198 PPBV
RT: 3.766 min Scan# 111
Delta R.T. -0.006 min
Lab File: 5w55721.D
Acq: 18 Dec 2024 12:42 pm

Tgt Ion: 52 Resp: 9700

Ion	Ratio	Lower	Upper
52	100		
50	325.7	287.9	347.9

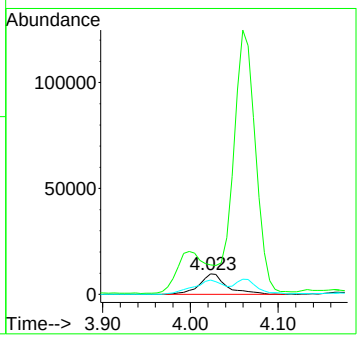


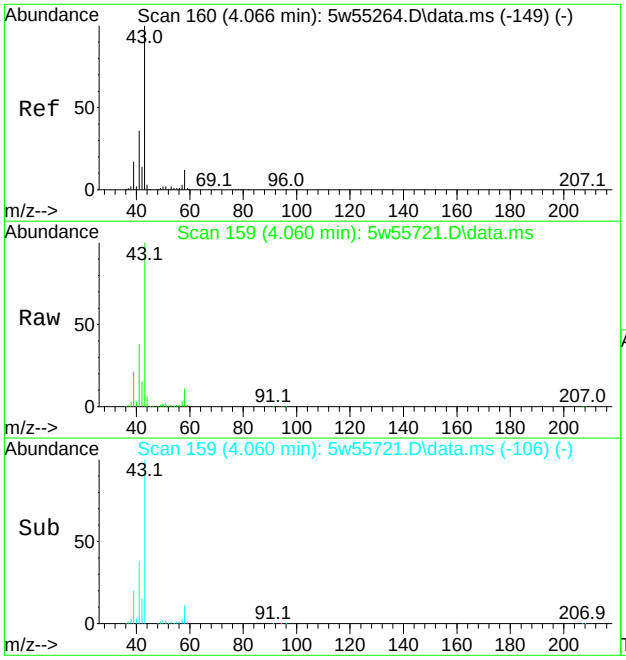


#12
1,3-BUTADIENE
Concen: 0.9387 PPBV
RT: 4.023 min Scan# 153
Delta R.T. -0.006 min
Lab File: 5w55721.D
Acq: 18 Dec 2024 12:42 pm

Tgt Ion: 54 Resp: 21100

Ion	Ratio	Lower	Upper
54	100		
39	0.0	103.6	163.6#
53	82.2	41.1	101.1

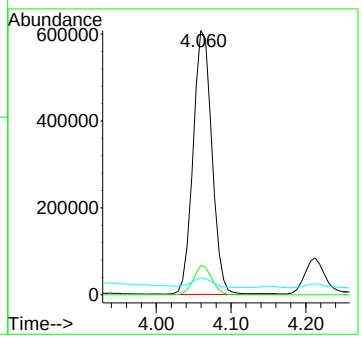


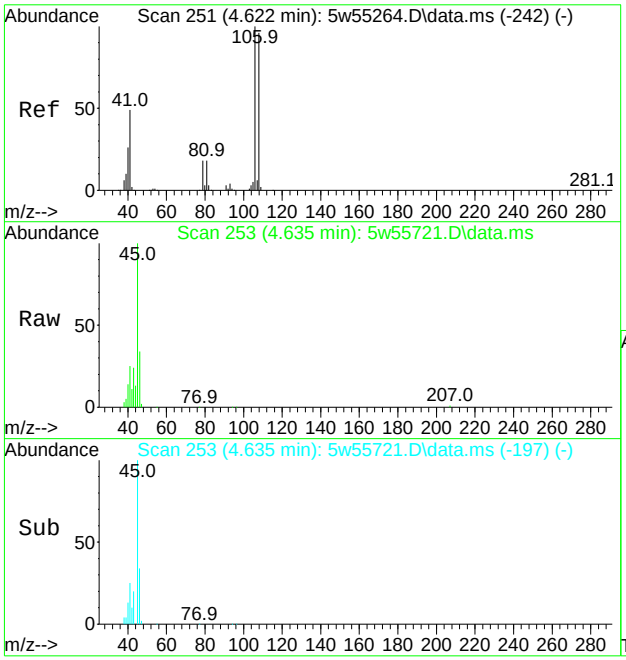


#13
n-BUTANE
Concen: 24.7850 PPBV
RT: 4.060 min Scan# 159
Delta R.T. -0.006 min
Lab File: 5w55721.D
Acq: 18 Dec 2024 12:42 pm

Tgt Ion: 43 Resp: 1068697

Ion	Ratio	Lower	Upper
43	100		
58	10.8	0.0	41.6
44	5.9	0.0	34.7

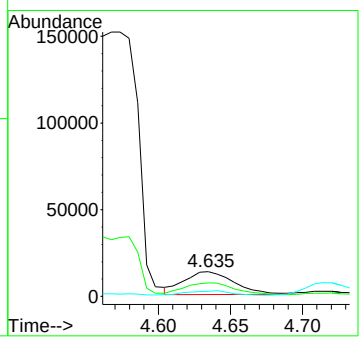


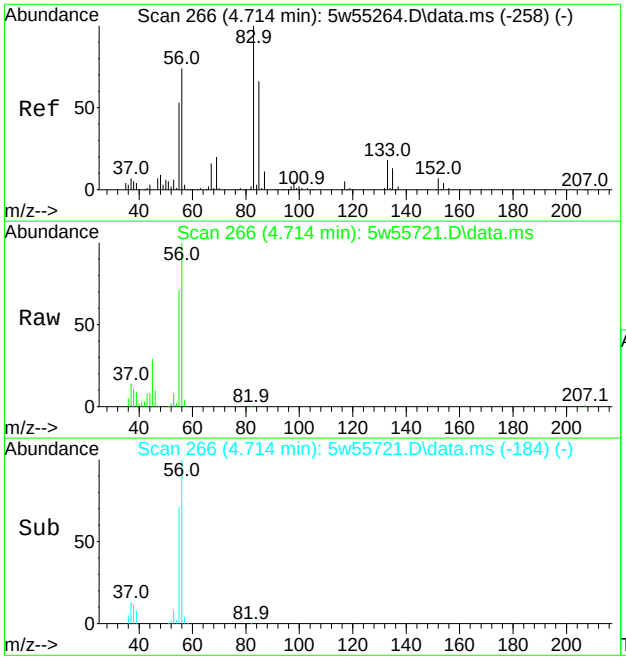


#17
ACETONITRILE
Concen: 1.2972 PPBV
RT: 4.635 min Scan# 253
Delta R.T. 0.012 min
Lab File: 5w55721.D
Acq: 18 Dec 2024 12:42 pm

Tgt Ion: 41 Resp: 32309

Ion	Ratio	Lower	Upper
41	100		
40	54.3	38.4	71.4
39	16.1	13.7	25.5

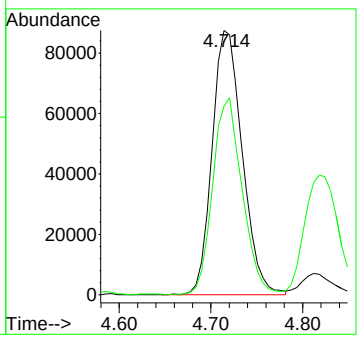


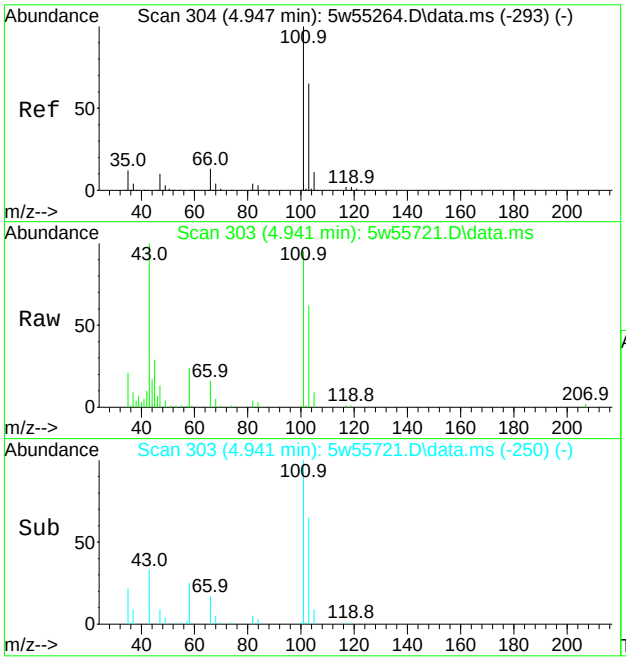


#18
ACROLEIN
Concen: 18.3952 PPBV
RT: 4.714 min Scan# 266
Delta R.T. 0.000 min
Lab File: 5w55721.D
Acq: 18 Dec 2024 12:42 pm

Tgt Ion: 56 Resp: 200065

Ion	Ratio	Lower	Upper
56	100		
55	72.9	49.8	92.6

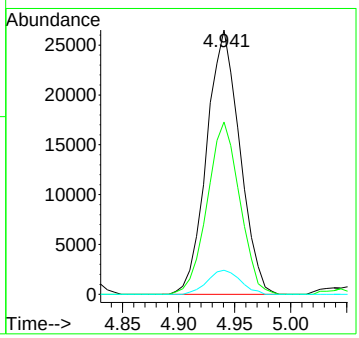


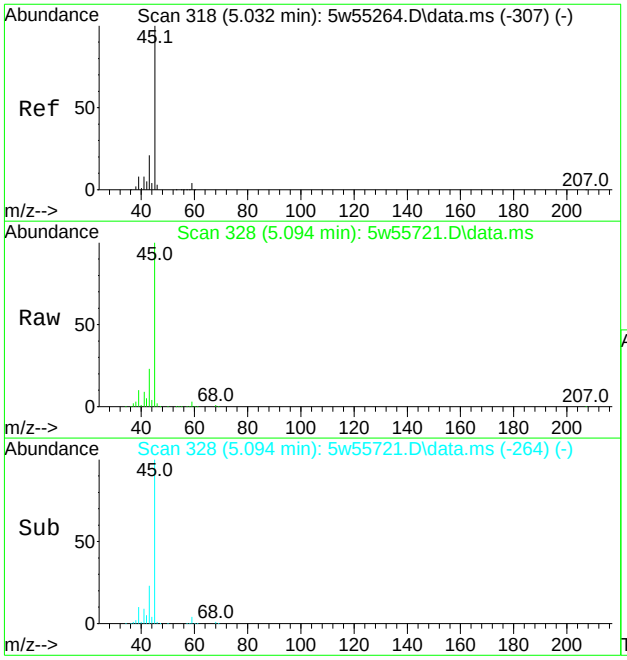


#21
TRICHLOROFLUOROMETHANE
Concen: 0.7994 PPBV
RT: 4.941 min Scan# 303
Delta R.T. -0.006 min
Lab File: 5w55721.D
Acq: 18 Dec 2024 12:42 pm

Tgt Ion:101 Resp: 54485

Ion	Ratio	Lower	Upper
101	100		
103	63.8	34.7	94.7
105	9.2	0.0	40.5

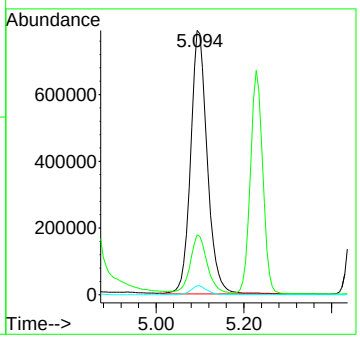


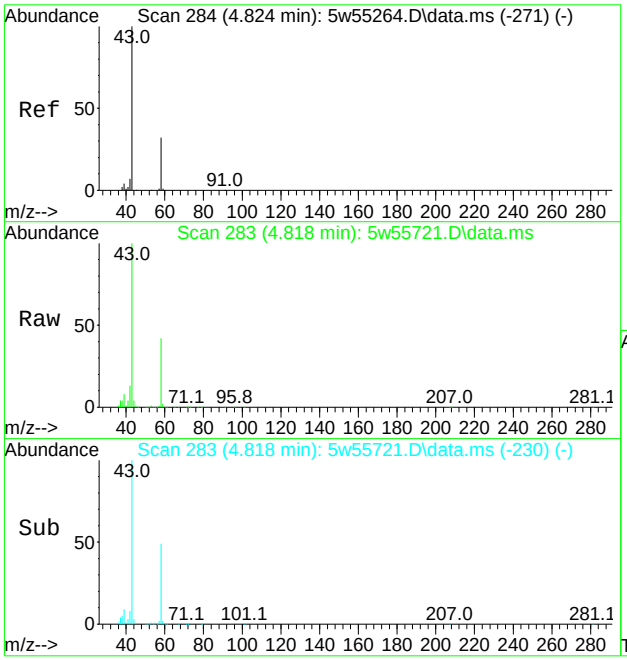


#22
ISOPROPYL ALCOHOL
Concen: 48.3116 PPBV
RT: 5.094 min Scan# 328
Delta R.T. 0.061 min
Lab File: 5w55721.D
Acq: 18 Dec 2024 12:42 pm

Tgt Ion: 45 Resp: 2086440

Ion	Ratio	Lower	Upper
45	100		
43	22.7	0.0	50.8
59	3.4	0.0	33.8

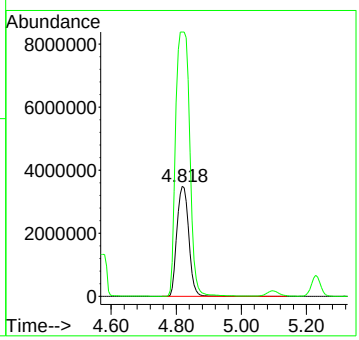


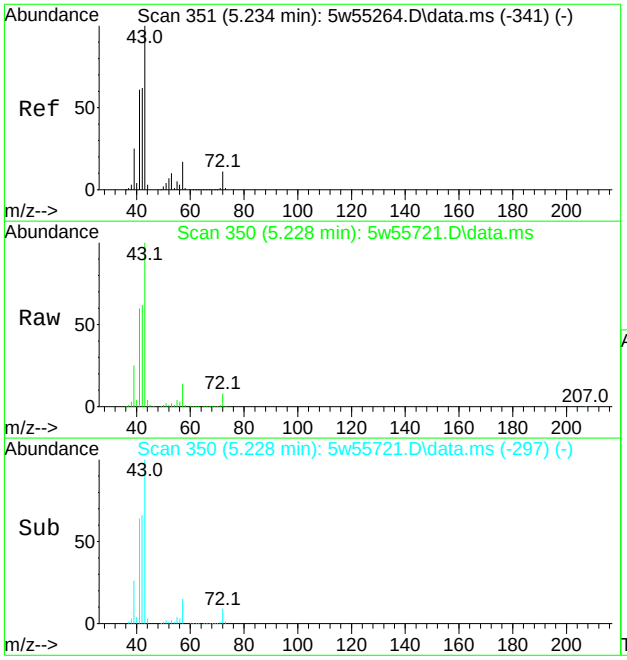


#23
ACETONE
Concen: 542.6930 PPBV
RT: 4.818 min Scan# 283
Delta R.T. -0.006 min
Lab File: 5w55721.D
Acq: 18 Dec 2024 12:42 pm

Tgt Ion: 58 Resp: 8834286

Ion	Ratio	Lower	Upper
58	100		
43	285.0	312.3	372.3#

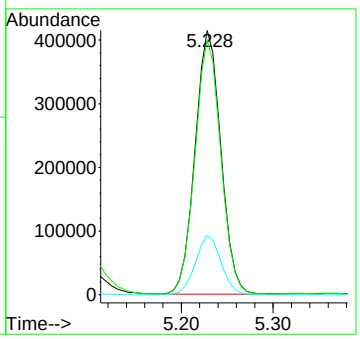


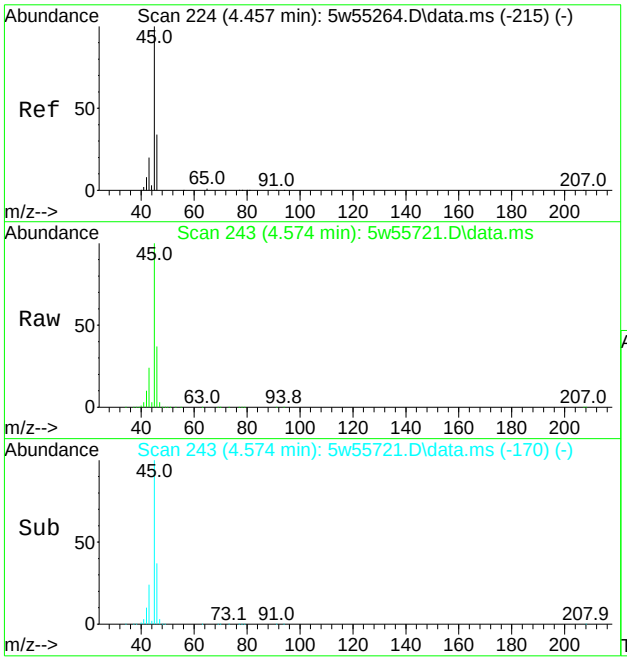


#24
PENTANE
Concen: 37.6921 PPBV
RT: 5.228 min Scan# 350
Delta R.T. -0.006 min
Lab File: 5w55721.D
Acq: 18 Dec 2024 12:42 pm

Tgt Ion: 42 Resp: 808647

Ion	Ratio	Lower	Upper
42	100		
41	96.7	64.4	124.4
57	22.4	0.0	55.0

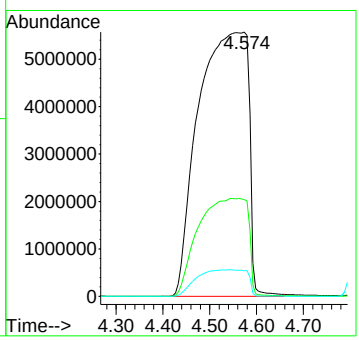


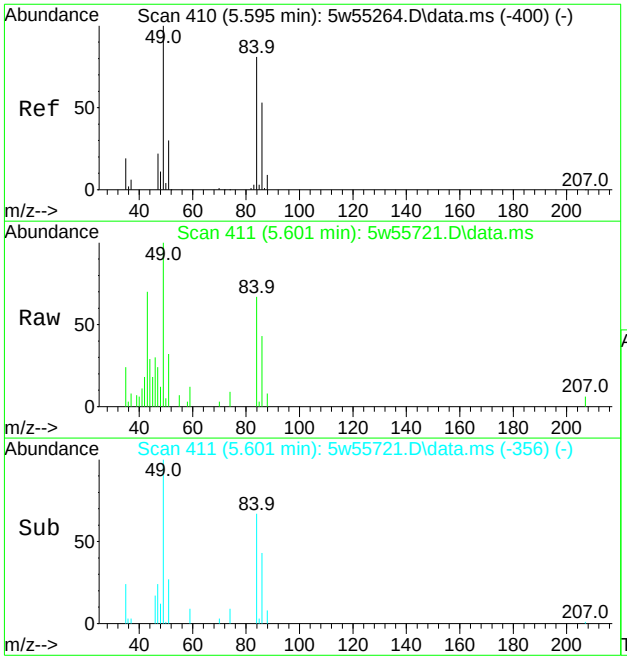


#28
ETHANOL
Concen: 2606.7277 PPBV m
RT: 4.574 min Scan# 243
Delta R.T. 0.116 min
Lab File: 5w55721.D
Acq: 18 Dec 2024 12:42 pm

Tgt Ion: 45 Resp:41259274

Ion	Ratio	Lower	Upper
45	100		
46	0.1	4.5	64.5#
42	0.1	0.0	38.6

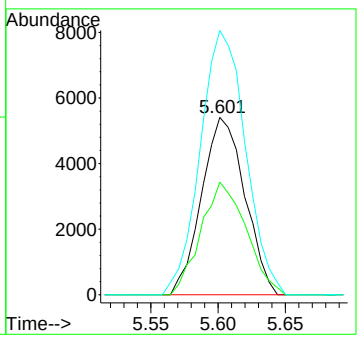


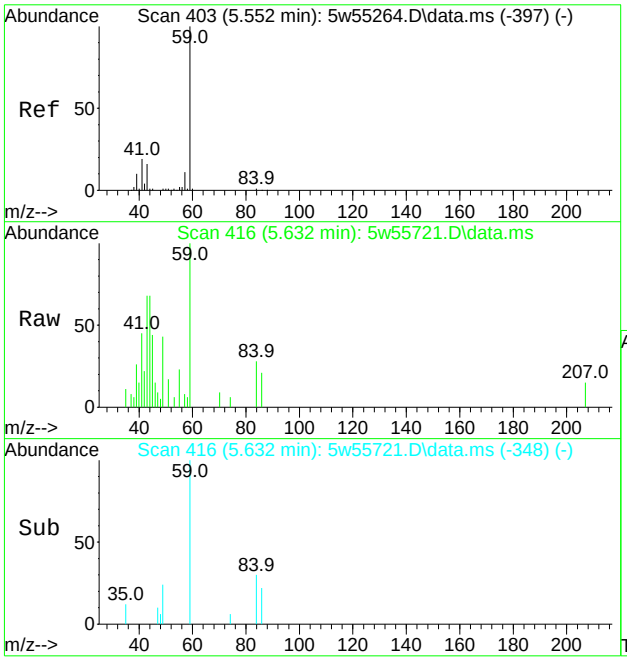


#31
METHYLENE CHLORIDE
Concen: 0.5715 PPBV
RT: 5.601 min Scan# 411
Delta R.T. 0.006 min
Lab File: 5w55721.D
Acq: 18 Dec 2024 12:42 pm

Tgt Ion: 84 Resp: 12098

Ion	Ratio	Lower	Upper
84	100		
86	66.5	34.0	94.0
49	156.1	105.8	165.8

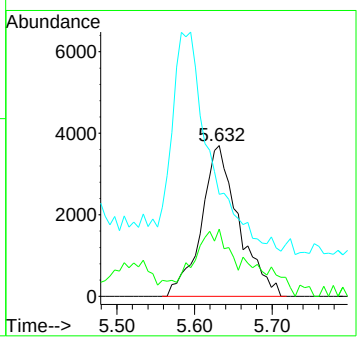


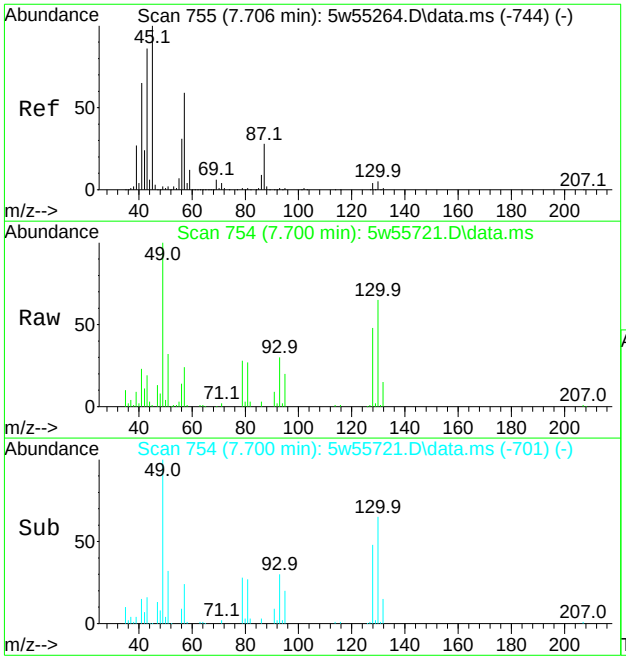


#35
TERTIARY BUTYL ALCOHOL
Concen: 0.3044 PPBV
RT: 5.632 min Scan# 416
Delta R.T. 0.086 min
Lab File: 5w55721.D
Acq: 18 Dec 2024 12:42 pm

Tgt Ion: 59 Resp: 12367

Ion	Ratio	Lower	Upper
59	100		
41	62.4	0.0	53.1#
43	0.0	0.0	47.1

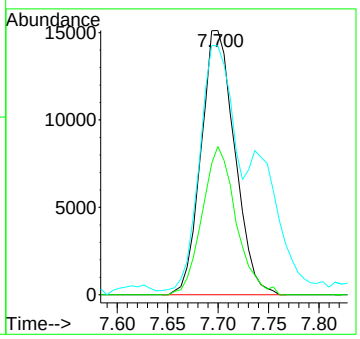


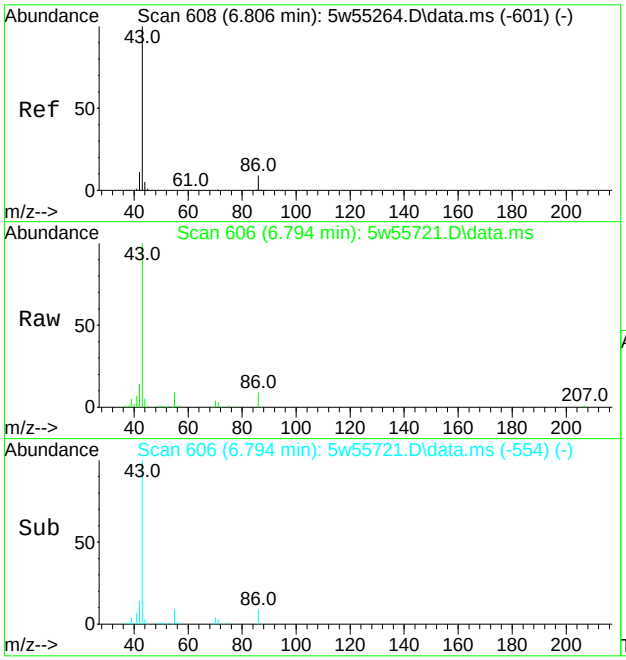


#38
HEXANE
Concen: 1.1133 PPBV
RT: 7.700 min Scan# 754
Delta R.T. -0.006 min
Lab File: 5w55721.D
Acq: 18 Dec 2024 12:42 pm

Tgt Ion: 57 Resp: 35206

Ion	Ratio	Lower	Upper
57	100		
56	56.3	24.2	84.2
41	157.6	92.1	152.1#

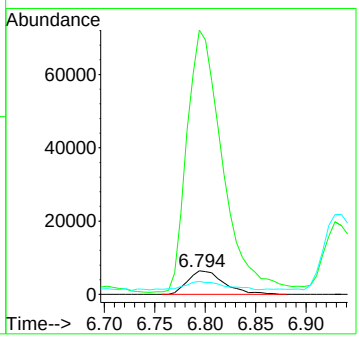


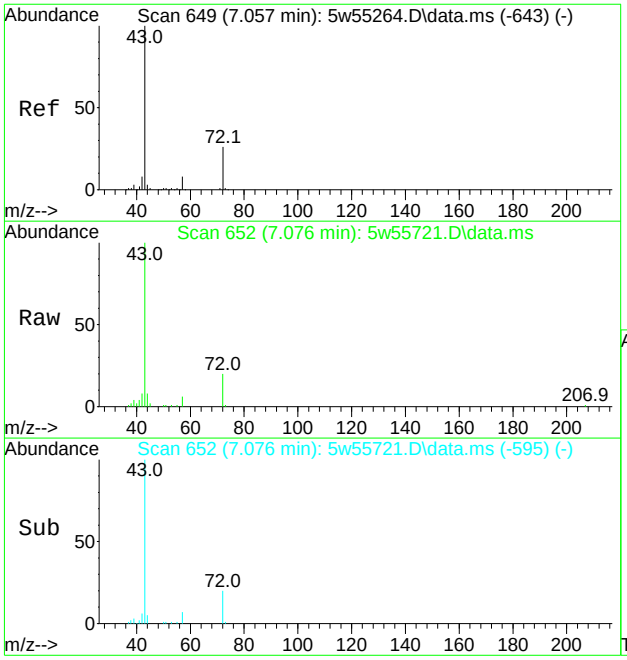


#39
VINYL ACETATE
Concen: 4.4475 PPBV
RT: 6.794 min Scan# 606
Delta R.T. -0.012 min
Lab File: 5w55721.D
Acq: 18 Dec 2024 12:42 pm

Tgt Ion: 86 Resp: 16076

Ion	Ratio	Lower	Upper
86	100		
43	1104.7	1335.5	1395.5#
44	35.1	40.9	100.9#

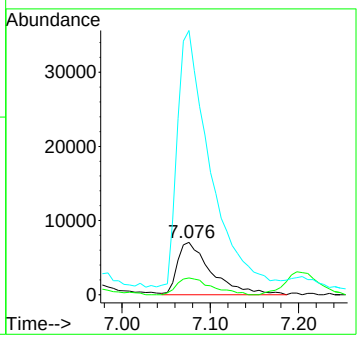


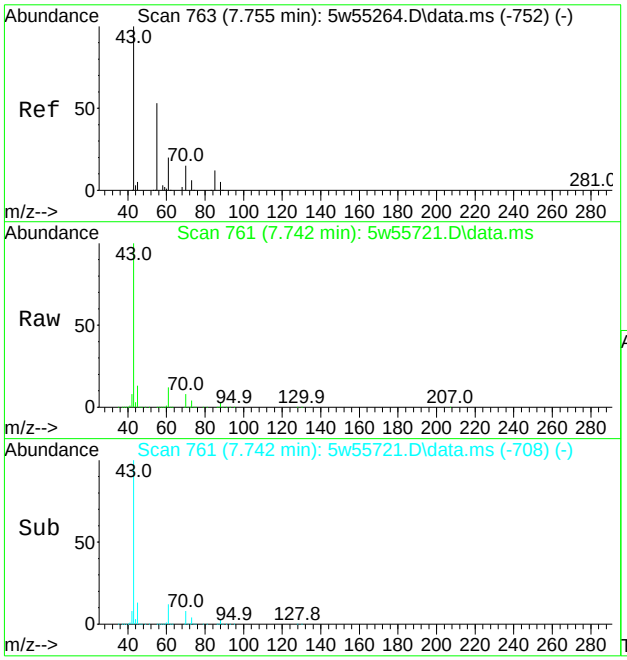


#41
METHYL ETHYL KETONE
Concen: 2.1671 PPBV m
RT: 7.076 min Scan# 652
Delta R.T. 0.018 min
Lab File: 5w55721.D
Acq: 18 Dec 2024 12:42 pm

Tgt Ion: 72 Resp: 18973

Ion	Ratio	Lower	Upper
72	100		
57	32.3	1.1	61.1
43	504.8	390.6	450.6#

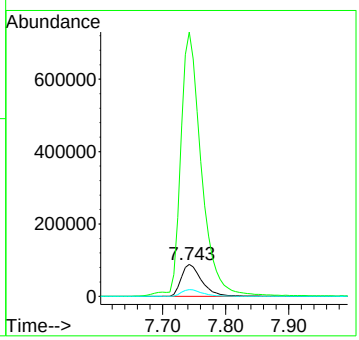


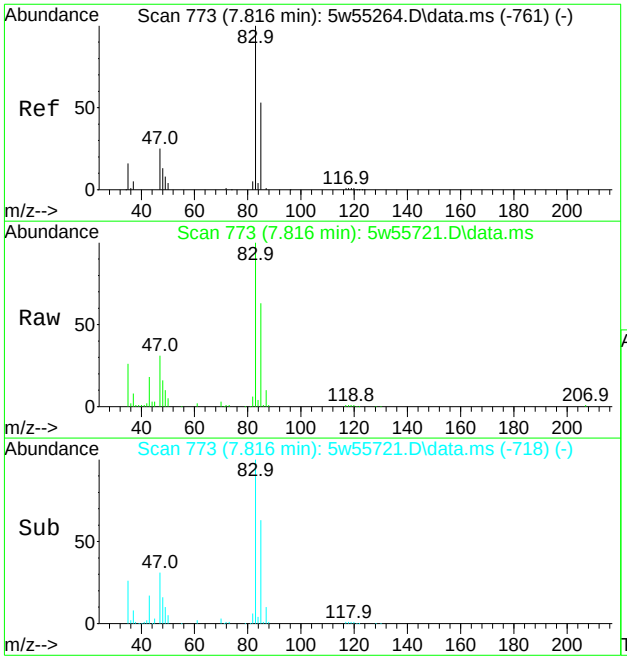


#44
ETHYL ACETATE
Concen: 31.0763 PPBV
RT: 7.742 min Scan# 761
Delta R.T. -0.006 min
Lab File: 5w55721.D
Acq: 18 Dec 2024 12:42 pm

Tgt Ion: 61 Resp: 200701

Ion	Ratio	Lower	Upper
61	100		
43	835.2	0.0	30.0#
88	21.7	7.3	67.3

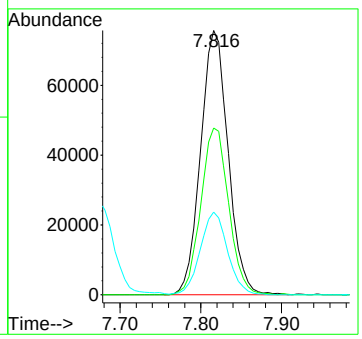


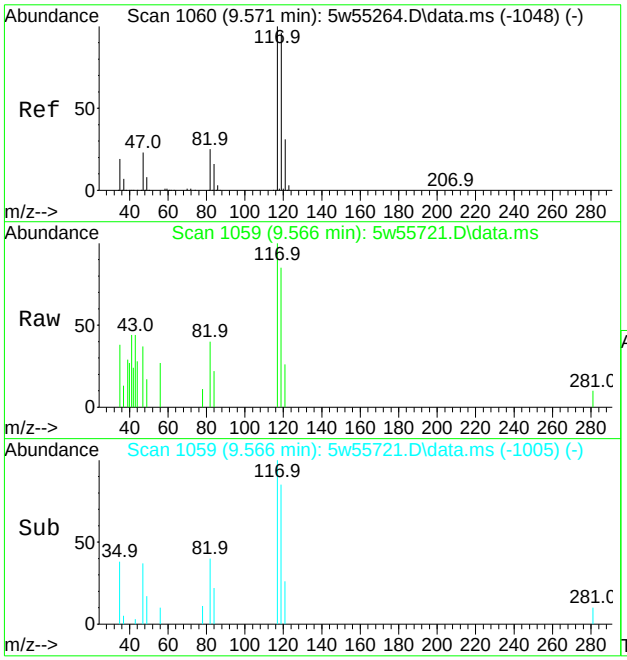


#46
CHLOROFORM
Concen: 3.4618 PPBV
RT: 7.816 min Scan# 773
Delta R.T. 0.006 min
Lab File: 5w55721.D
Acq: 18 Dec 2024 12:42 pm

Tgt Ion: 83 Resp: 179362

Ion	Ratio	Lower	Upper
83	100		
85	63.9	35.5	95.5
47	31.0	0.0	56.8

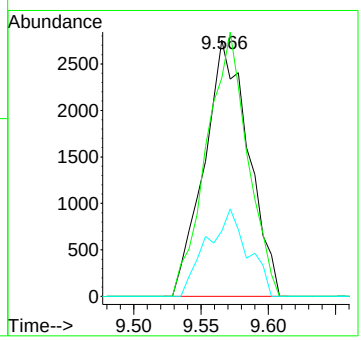


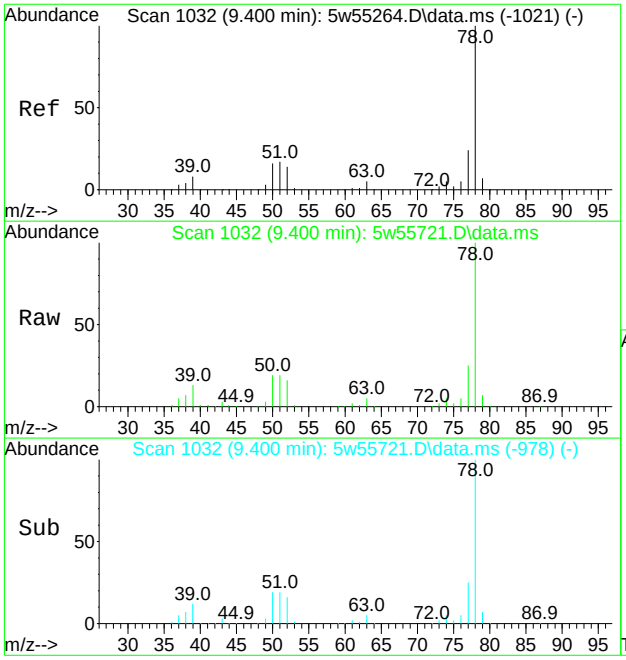


#49
CARBON TETRACHLORIDE
Concen: 0.1133 PPBV
RT: 9.566 min Scan# 1059
Delta R.T. 0.000 min
Lab File: 5w55721.D
Acq: 18 Dec 2024 12:42 pm

Tgt Ion:117 Resp: 6299

Ion	Ratio	Lower	Upper
117	100		
119	95.6	65.9	125.9
121	31.5	0.7	60.7

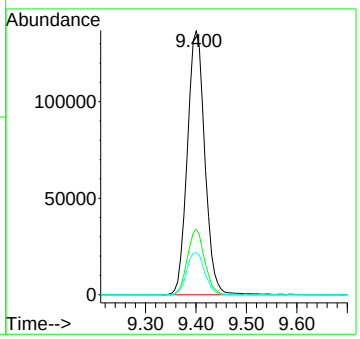


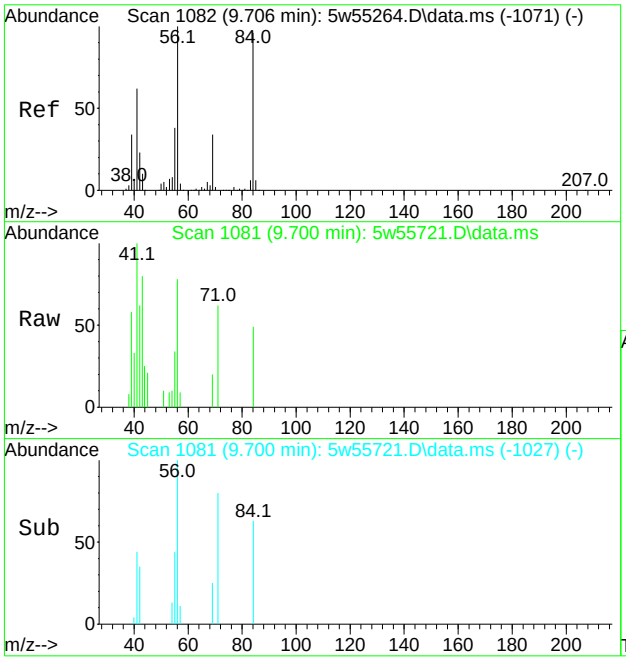


#52
BENZENE
Concen: 4.5072 PPBV
RT: 9.400 min Scan# 1032
Delta R.T. 0.000 min
Lab File: 5w55721.D
Acq: 18 Dec 2024 12:42 pm

Tgt Ion: 78 Resp: 329826

Ion	Ratio	Lower	Upper
78	100		
77	24.6	0.0	54.0
52	16.4	0.0	45.6

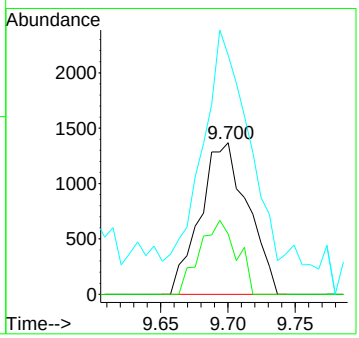


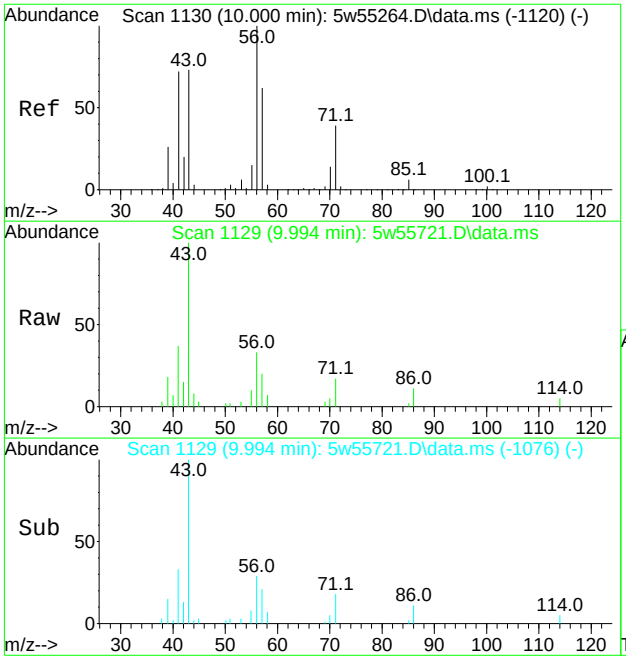


#53
CYCLOHEXANE
Concen: 0.1225 PPBV
RT: 9.700 min Scan# 1081
Delta R.T. 0.000 min
Lab File: 5w55721.D
Acq: 18 Dec 2024 12:42 pm

Tgt Ion: 84 Resp: 3367

Ion	Ratio	Lower	Upper
84	100		
69	38.0	7.0	67.0
56	201.7	86.5	146.5#

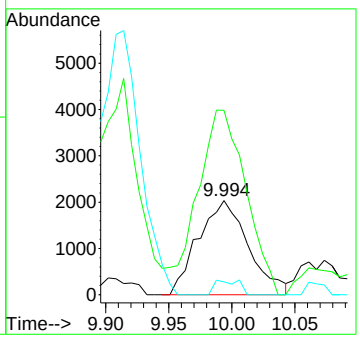


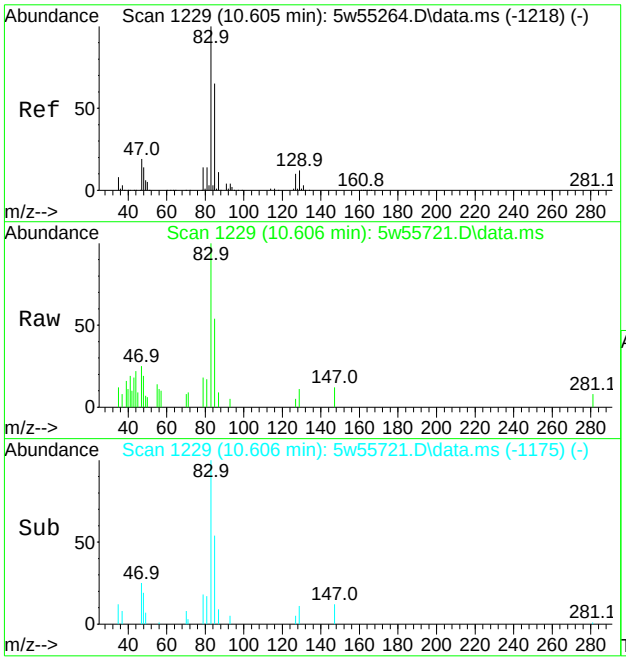


#54
2,3-DIMETHYLPENTANE
Concen: 0.3789 PPBV
RT: 9.994 min Scan# 1129
Delta R.T. -0.006 min
Lab File: 5w55721.D
Acq: 18 Dec 2024 12:42 pm

Tgt Ion: 71 Resp: 5624

Ion	Ratio	Lower	Upper
71	100		
56	186.9	235.4	295.4#
85	7.5	0.0	45.3

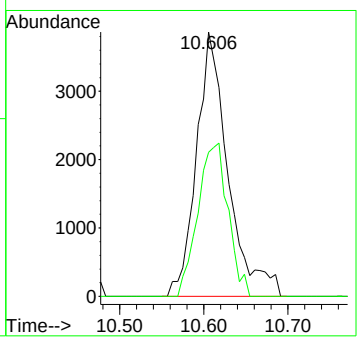


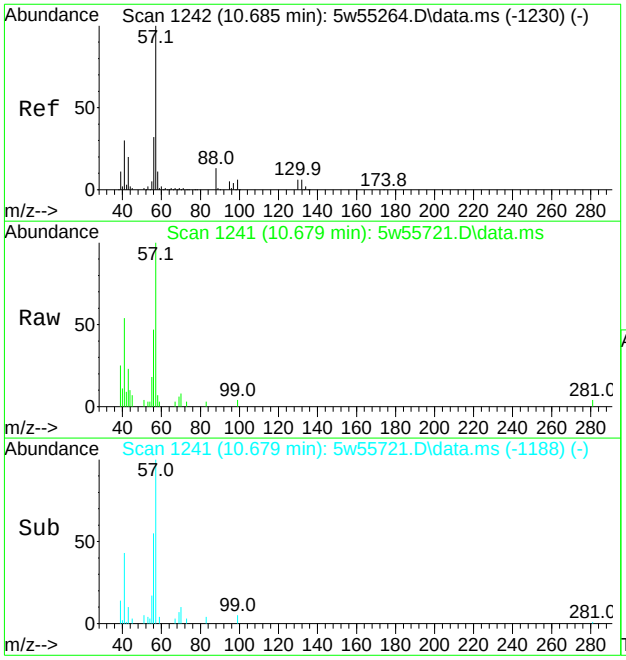


#59
BROMODICHLOROMETHANE
Concen: 0.1498 PPBV
RT: 10.606 min Scan# 1229
Delta R.T. 0.000 min
Lab File: 5w55721.D
Acq: 18 Dec 2024 12:42 pm

Tgt Ion: 83 Resp: 10092

Ion	Ratio	Lower	Upper
83	100		
85	55.3	33.2	93.2

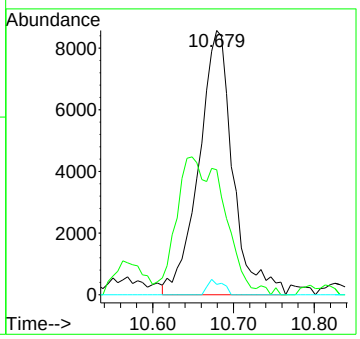


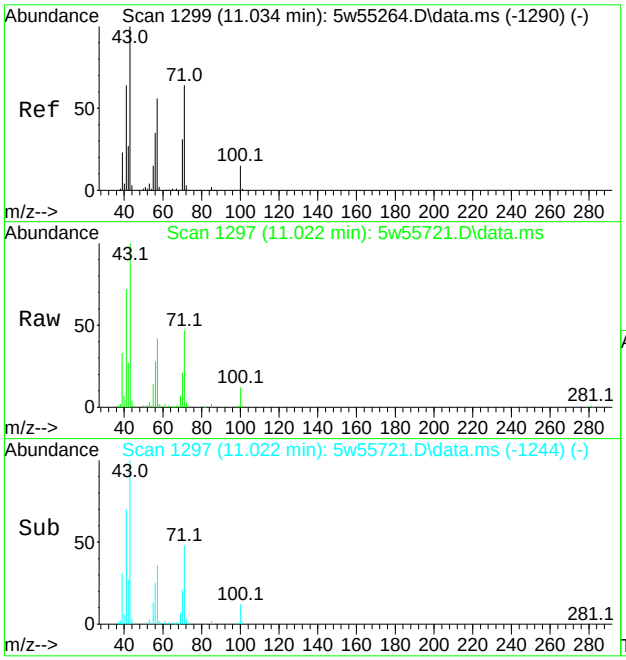


#60
2,2,4-TRIMETHYLPENTANE
Concen: 0.2256 PPBV
RT: 10.679 min Scan# 1241
Delta R.T. -0.006 min
Lab File: 5w55721.D
Acq: 18 Dec 2024 12:42 pm

Tgt Ion: 57 Resp: 25075

Ion	Ratio	Lower	Upper
57	100		
56	0.0	2.2	62.2#
99	2.6	0.0	37.6

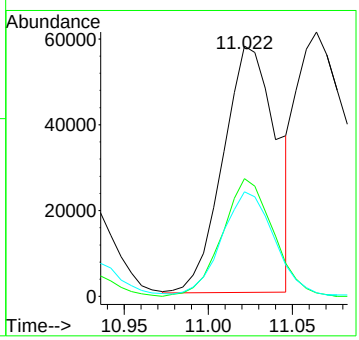


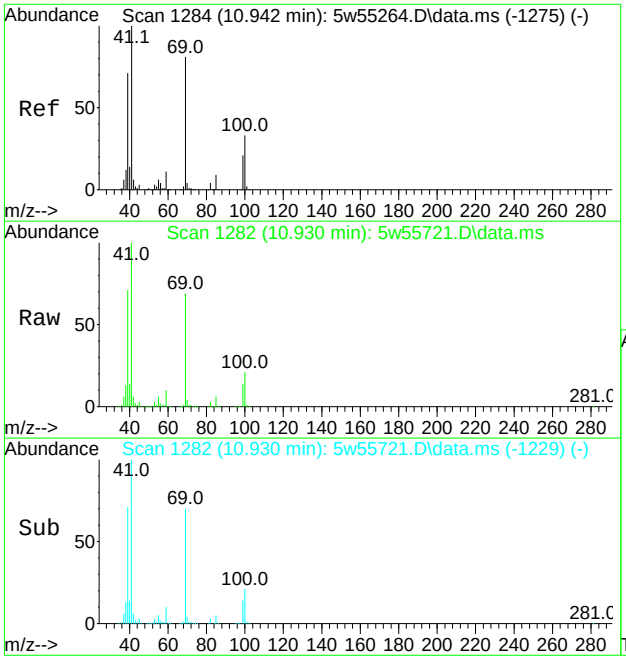


#62
HEPTANE
Concen: 3.2864 PPBV
RT: 11.022 min Scan# 1297
Delta R.T. -0.006 min
Lab File: 5w55721.D
Acq: 18 Dec 2024 12:42 pm

Tgt Ion: 43 Resp: 127557

Ion	Ratio	Lower	Upper
43	100		
71	45.4	27.2	87.2
57	42.1	22.5	82.5

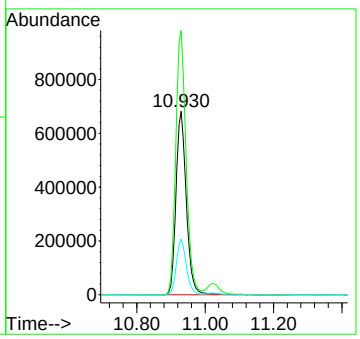


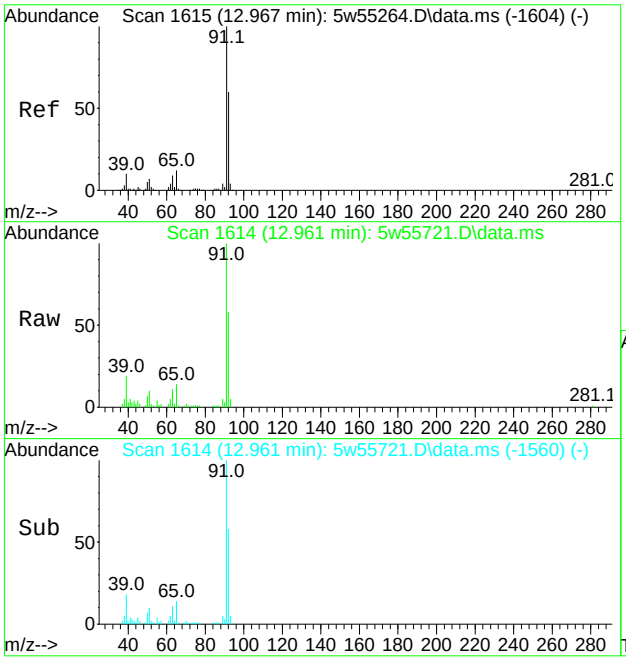


#63
METHYL METHACRYLATE
Concen: 59.0585 PPBV
RT: 10.930 min Scan# 1282
Delta R.T. -0.006 min
Lab File: 5w55721.D
Acq: 18 Dec 2024 12:42 pm

Tgt Ion: 69 Resp: 1436765

Ion	Ratio	Lower	Upper
69	100		
41	143.9	97.3	157.3
100	29.3	3.0	63.0

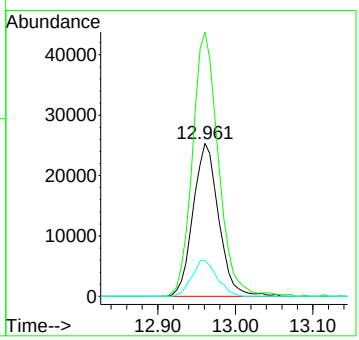


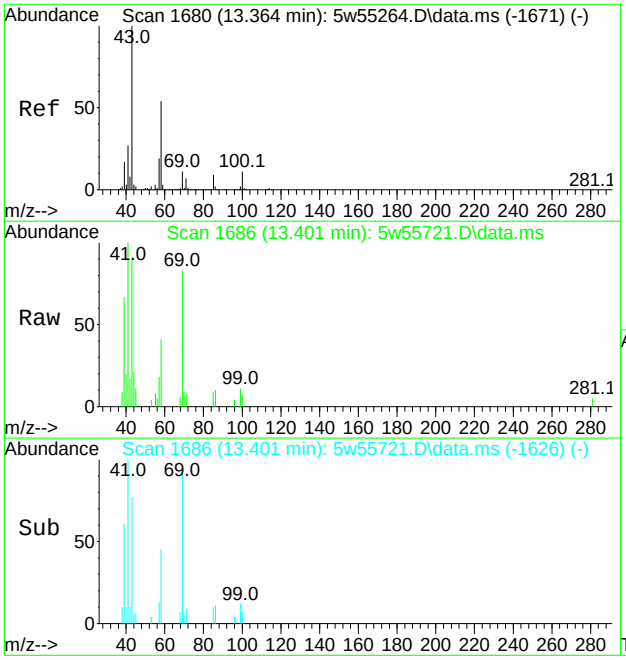


#66
TOLUENE
Concen: 1.1318 PPBV
RT: 12.961 min Scan# 1614
Delta R.T. 0.000 min
Lab File: 5w55721.D
Acq: 18 Dec 2024 12:42 pm

Tgt Ion: 92 Resp: 57932

Ion	Ratio	Lower	Upper
92	100		
91	175.5	143.4	203.4
65	23.2	0.0	53.8

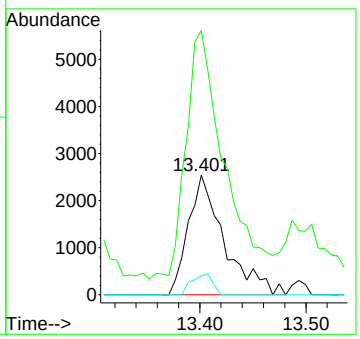


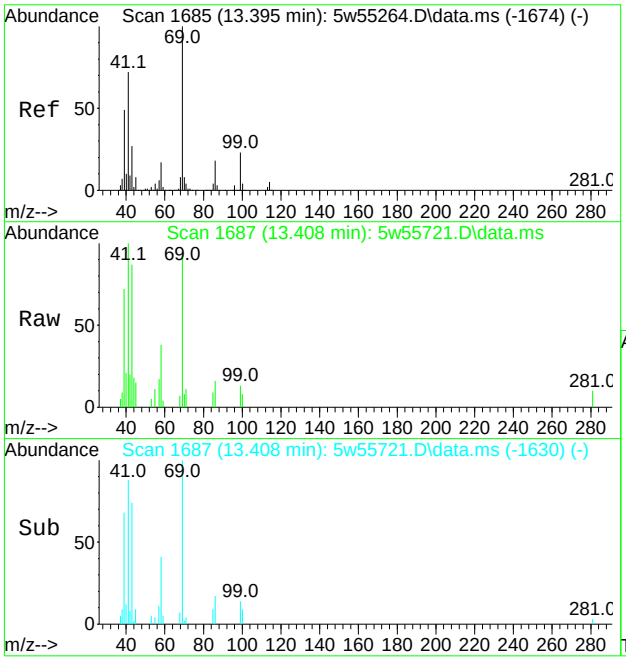


#71
2-HEXANONE
Concen: 0.1969 PPBV
RT: 13.401 min Scan# 1686
Delta R.T. 0.037 min
Lab File: 5w55721.D
Acq: 18 Dec 2024 12:42 pm

Tgt Ion: 58 Resp: 5977

Ion	Ratio	Lower	Upper
58	100		
43	208.8	159.0	219.0
100	10.1	0.0	47.8

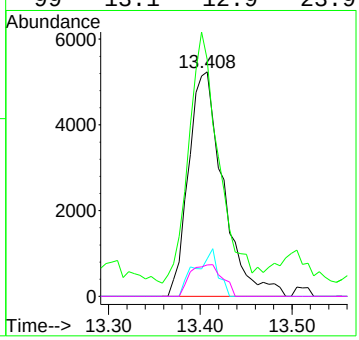


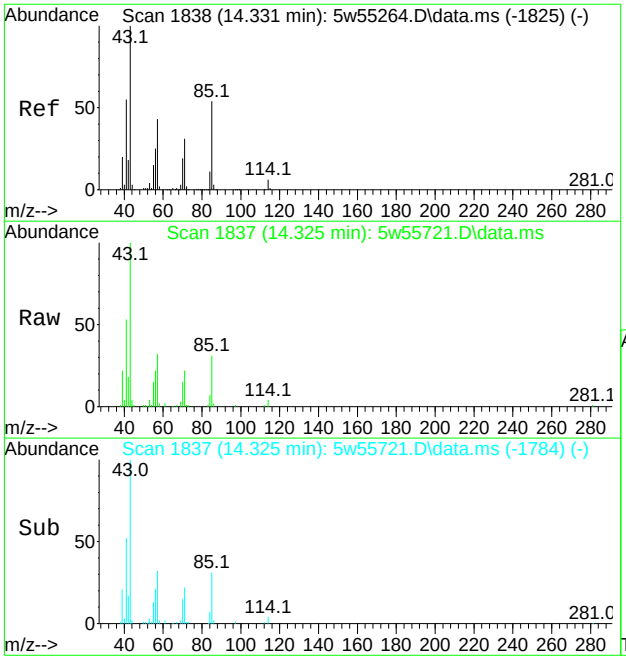


#72
ETHYL METHACRYLATE
Concen: 0.3094 PPBV
RT: 13.408 min Scan# 1687
Delta R.T. 0.018 min
Lab File: 5w55721.D
Acq: 18 Dec 2024 12:42 pm

Tgt Ion: 69 Resp: 13750

Ion	Ratio	Lower	Upper
69	100		
41	139.4	67.8	125.8#
86	13.8	11.3	20.9
99	13.1	12.9	23.9

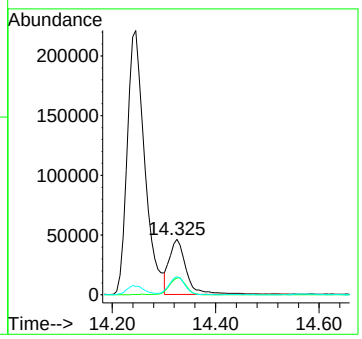


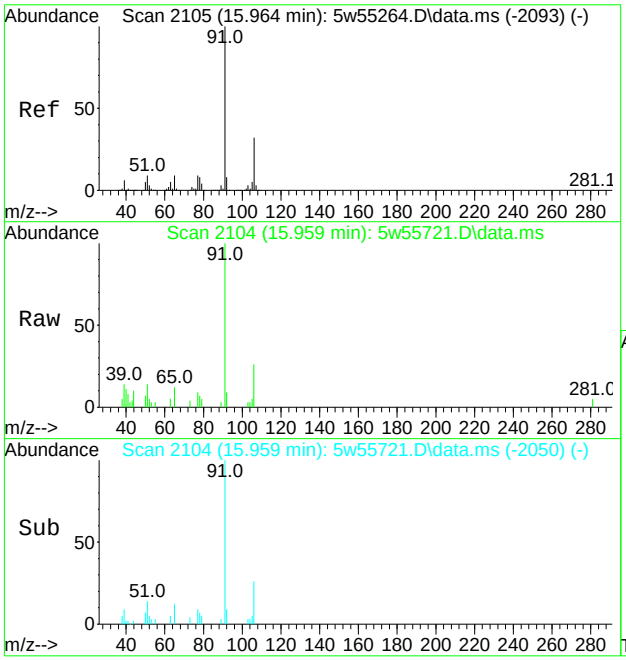


#76
OCTANE
Concen: 1.8355 PPBV
RT: 14.325 min Scan# 1837
Delta R.T. -0.006 min
Lab File: 5w55721.D
Acq: 18 Dec 2024 12:42 pm

Tgt Ion: 43 Resp: 103718

Ion	Ratio	Lower	Upper
43	100		
85	30.3	13.7	73.7
57	31.9	9.9	69.9

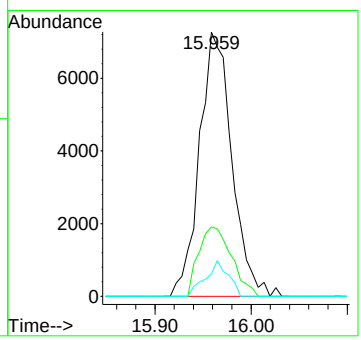


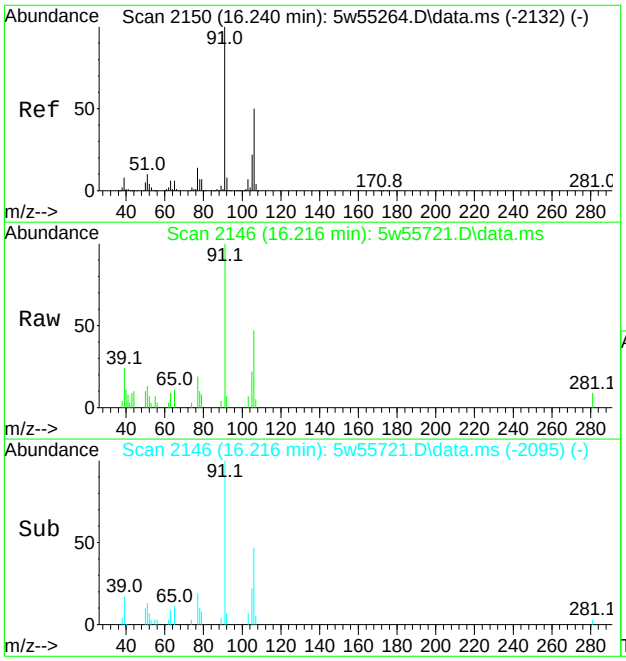


#79
ETHYLBENZENE
Concen: 0.1441 PPBV
RT: 15.959 min Scan# 2104
Delta R.T. 0.000 min
Lab File: 5w55721.D
Acq: 18 Dec 2024 12:42 pm

Tgt Ion: 91 Resp: 17089

Ion	Ratio	Lower	Upper
91	100		
106	26.6	0.0	59.9
77	9.5	0.0	39.1

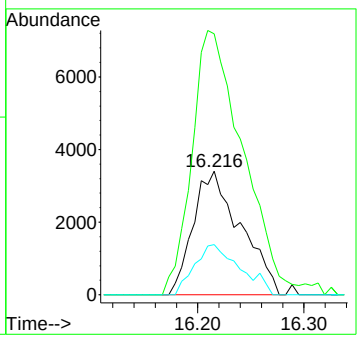


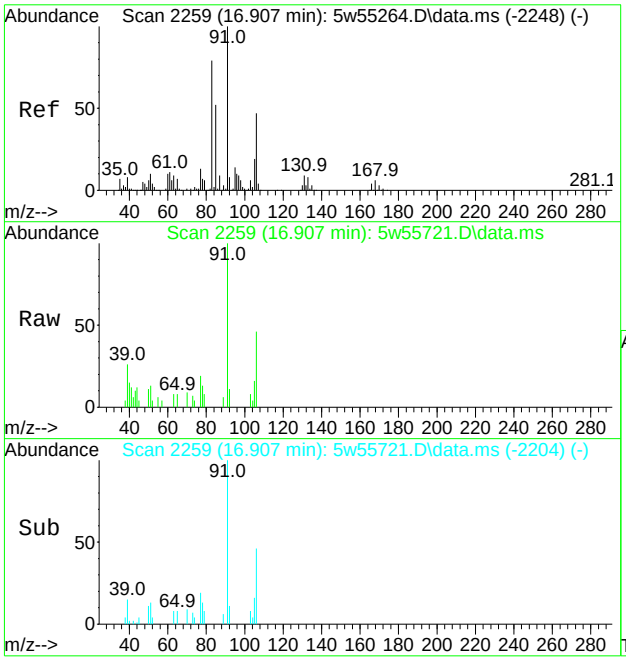


#80
m,p-XYLENE
Concen: 0.2350 PPBV
RT: 16.216 min Scan# 2146
Delta R.T. -0.018 min
Lab File: 5w55721.D
Acq: 18 Dec 2024 12:42 pm

Tgt Ion:106 Resp: 10578

Ion	Ratio	Lower	Upper
106	100		
91	211.3	181.2	241.2
77	40.7	0.1	60.1

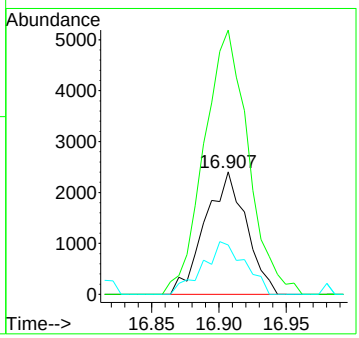


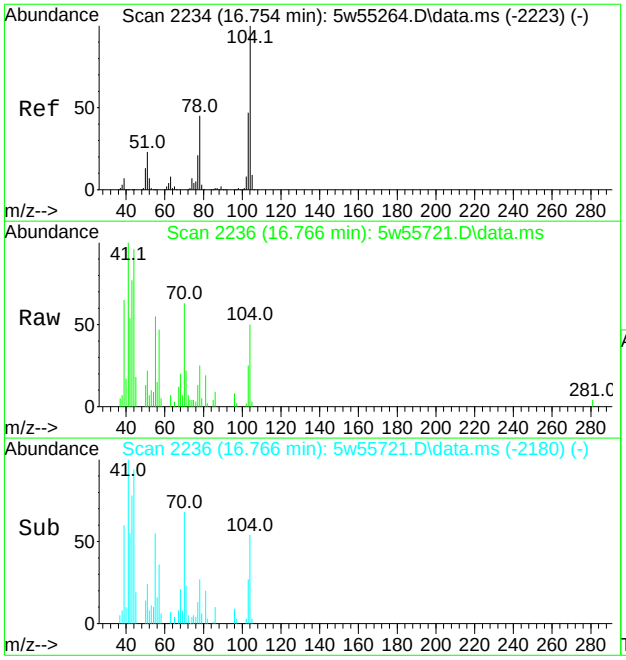


#81
o-XYLENE
Concen: 0.1170 PPBV
RT: 16.907 min Scan# 2259
Delta R.T. 0.006 min
Lab File: 5w55721.D
Acq: 18 Dec 2024 12:42 pm

Tgt Ion:106 Resp: 5113

Ion	Ratio	Lower	Upper
106	100		
91	232.4	193.4	253.4
77	44.0	0.0	59.8

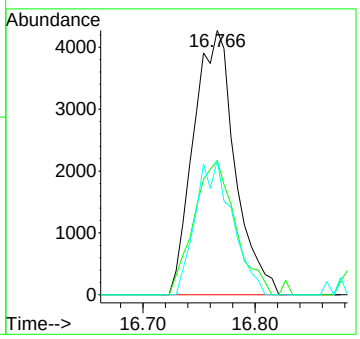


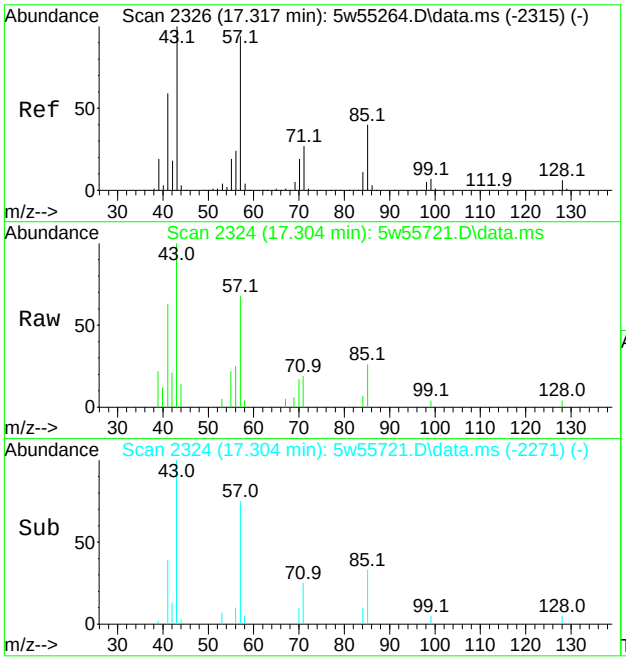


#82
STYRENE
Concen: 0.1745 PPBV
RT: 16.766 min Scan# 2236
Delta R.T. 0.012 min
Lab File: 5w55721.D
Acq: 18 Dec 2024 12:42 pm

Tgt Ion:104 Resp: 10935

Ion	Ratio	Lower	Upper
104	100		
78	50.8	16.5	76.5
103	45.7	18.1	78.1

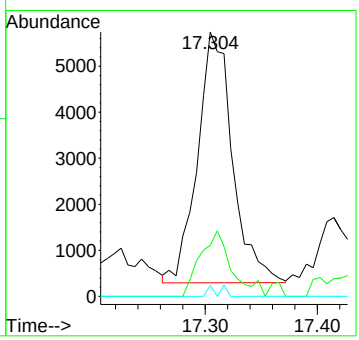


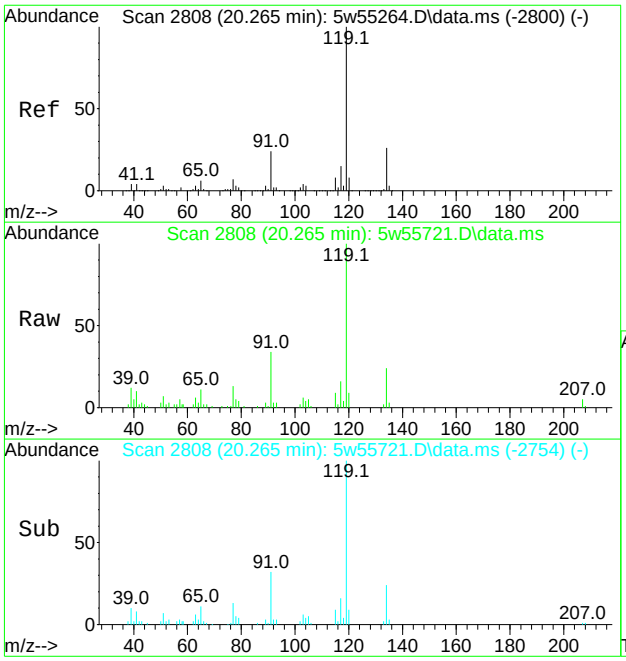


#83
NONANE
Concen: 0.2014 PPBV
RT: 17.304 min Scan# 2324
Delta R.T. -0.006 min
Lab File: 5w55721.D
Acq: 18 Dec 2024 12:42 pm

Tgt Ion: 43 Resp: 11876

Ion	Ratio	Lower	Upper
43	100		
71	23.3	0.0	53.8
128	1.5	0.0	34.3

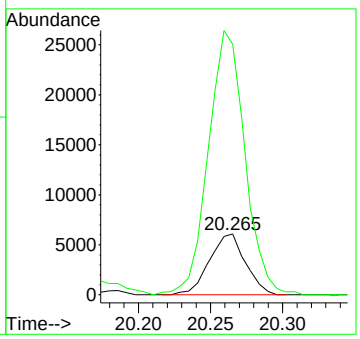


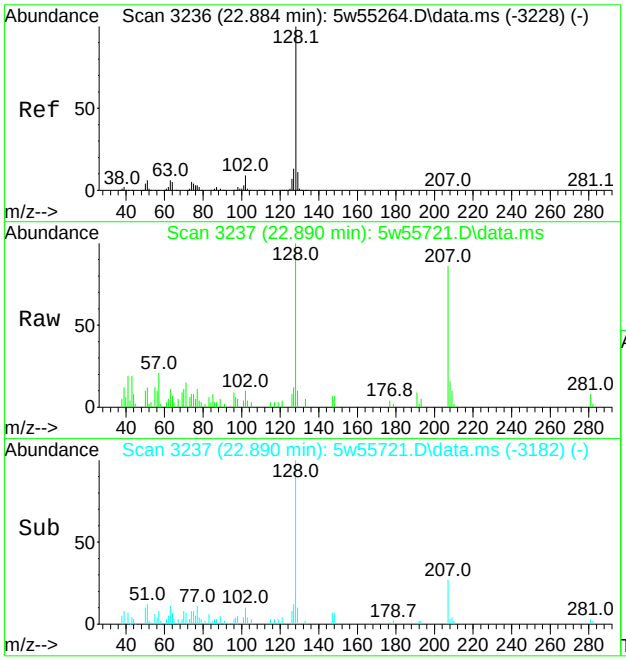


#102
p-ISOPROPYLTOLUENE
Concen: 0.3233 PPBV
RT: 20.265 min Scan# 2808
Delta R.T. 0.000 min
Lab File: 5w55721.D
Acq: 18 Dec 2024 12:42 pm

Tgt Ion:134 Resp: 10552

Ion	Ratio	Lower	Upper
134	100		
119	442.5	403.4	463.4

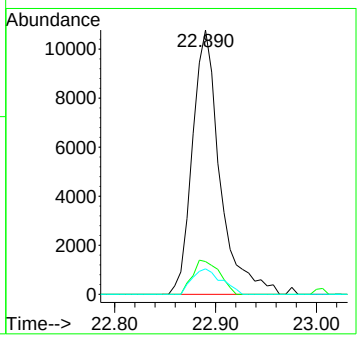




#108
NAPHTHALENE
Concen: 0.1307 PPBV
RT: 22.890 min Scan# 3237
Delta R.T. 0.006 min
Lab File: 5w55721.D
Acq: 18 Dec 2024 12:42 pm

Tgt Ion:128 Resp: 20447

Ion	Ratio	Lower	Upper
128	100		
127	12.7	0.0	43.1
129	10.3	0.0	41.1



Manual Integration Approval Summary

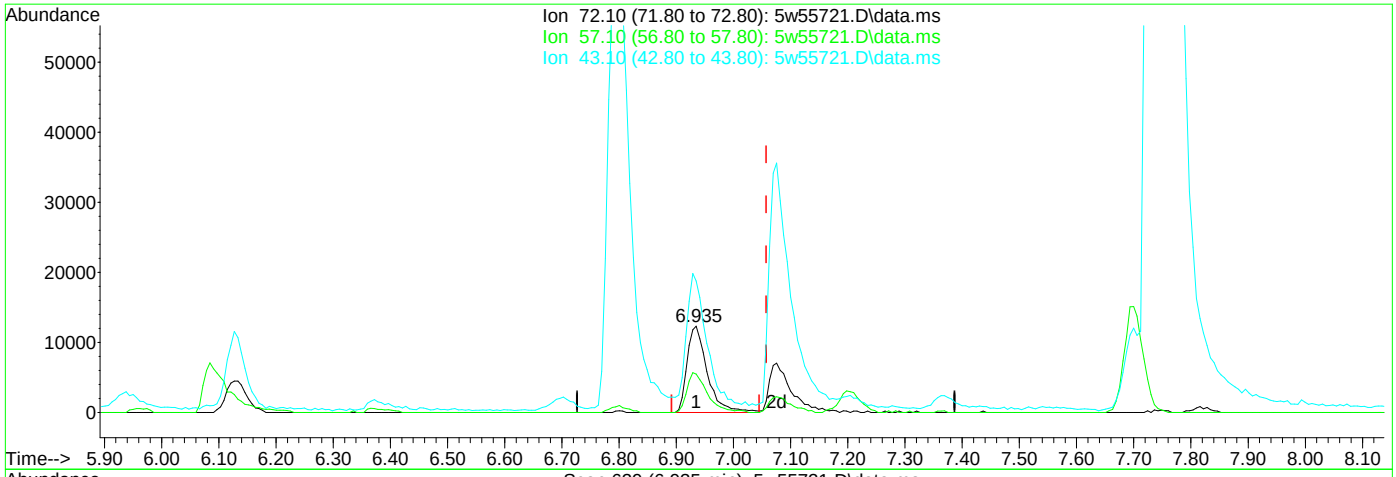
Sample Number: JE2490-4
Lab FileID: 5W55721.D
Injection Time: 12/18/24 12:42
Method: TO-15
Analyst approved: 12/18/24 19:38 Kristel Valladolid
Supervisor approved: 12/23/24 12:03 Kanya Veerawat

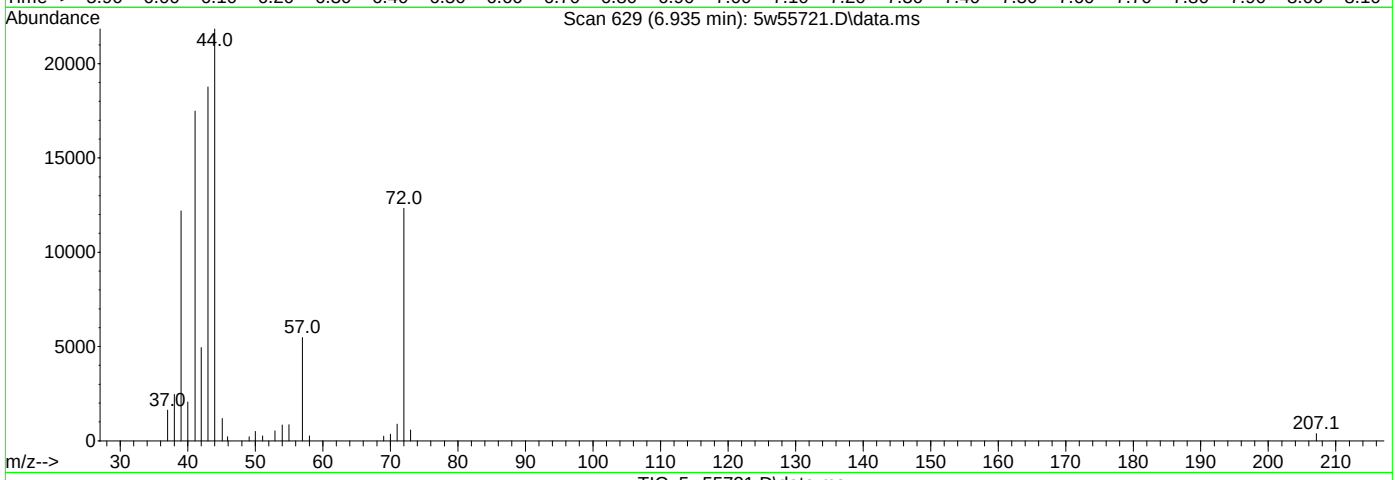
Parameter	CAS	Sig#	R.T. (min.)	Reason
Freon 152A	75-37-6		3.54	Missed peak
Ethanol	64-17-5		4.57	Missed peak
Methyl ethyl ketone	78-93-3		7.08	Missed peak

Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\kristelv\121924\v5w2133\
Data File : 5w55721.D
Acq On : 18 Dec 2024 12:42 pm
Operator : thomash
Sample : je2490-4 Inst : GCMS5W
Misc : MS88104,V5W2133,500,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 18 23:52:11 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration





TIC: 5w55721.D\data.ms

(41) METHYL ETHYL KETONE

6.935min (-0.122) 3.46PPBV

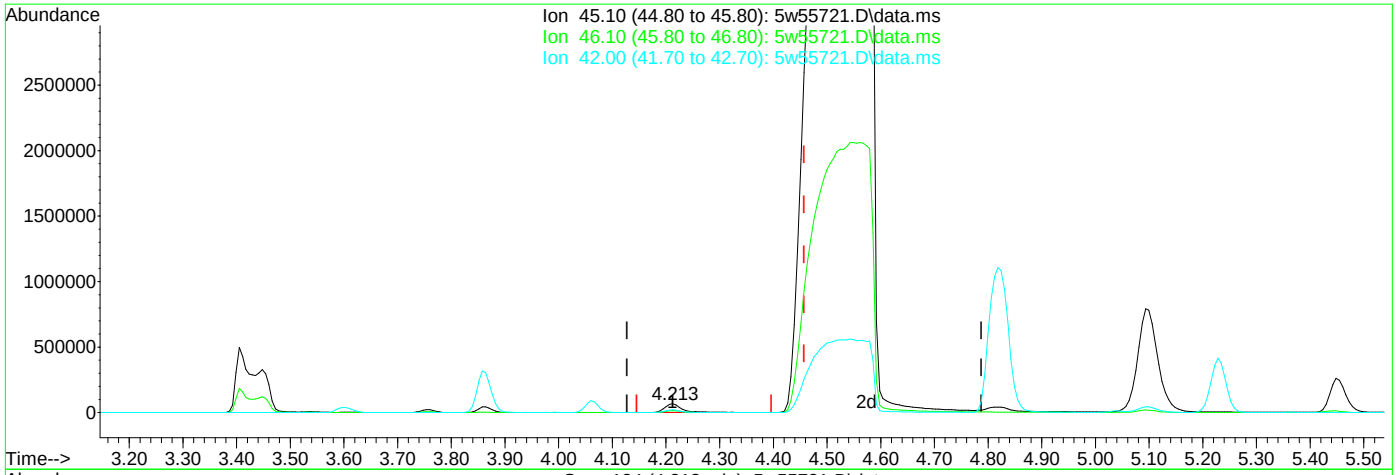
response 30325

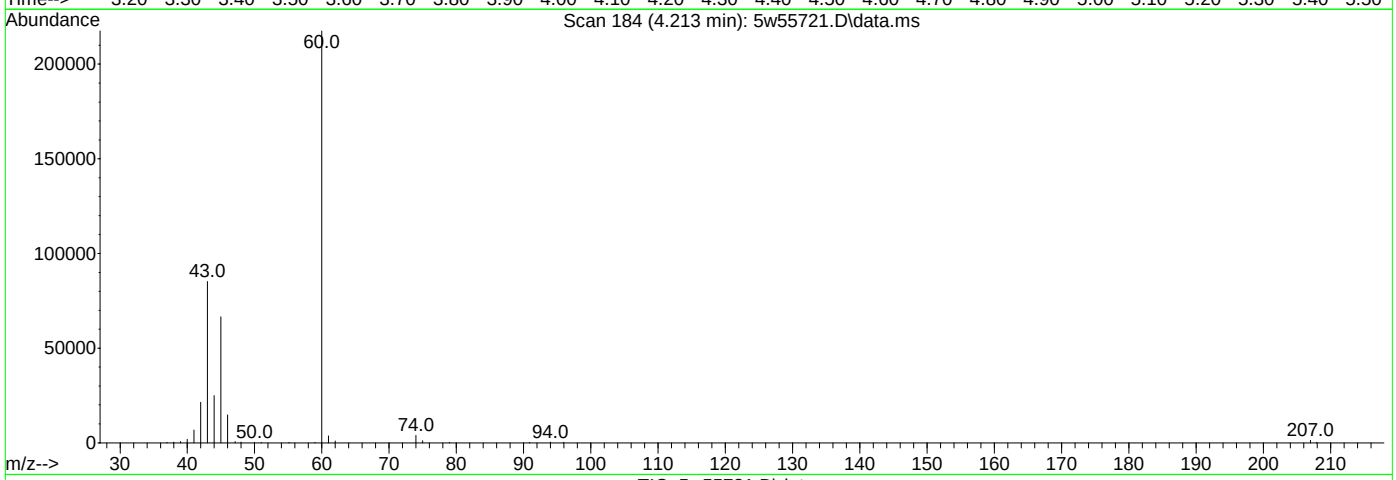
Ion	Exp%	Act%
72.10	100	100
57.10	31.10	44.49
43.10	420.60	152.19#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\kristelv\121924\v5w2133\
Data File : 5w55721.D
Acq On : 18 Dec 2024 12:42 pm
Operator : thomash
Sample : je2490-4 Inst : GCMS5W
Misc : MS88104,V5W2133,500,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 18 23:52:11 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration





TIC: 5w55721.D\data.ms

(28) ETHANOL

4.213min (-0.245) 9.66PPBV

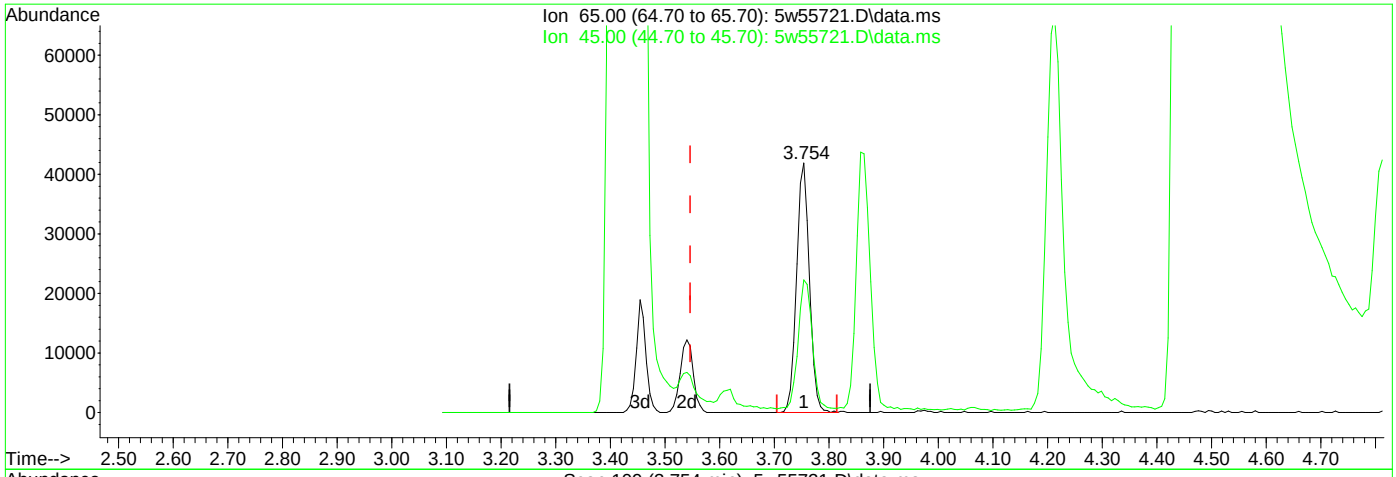
response 152902

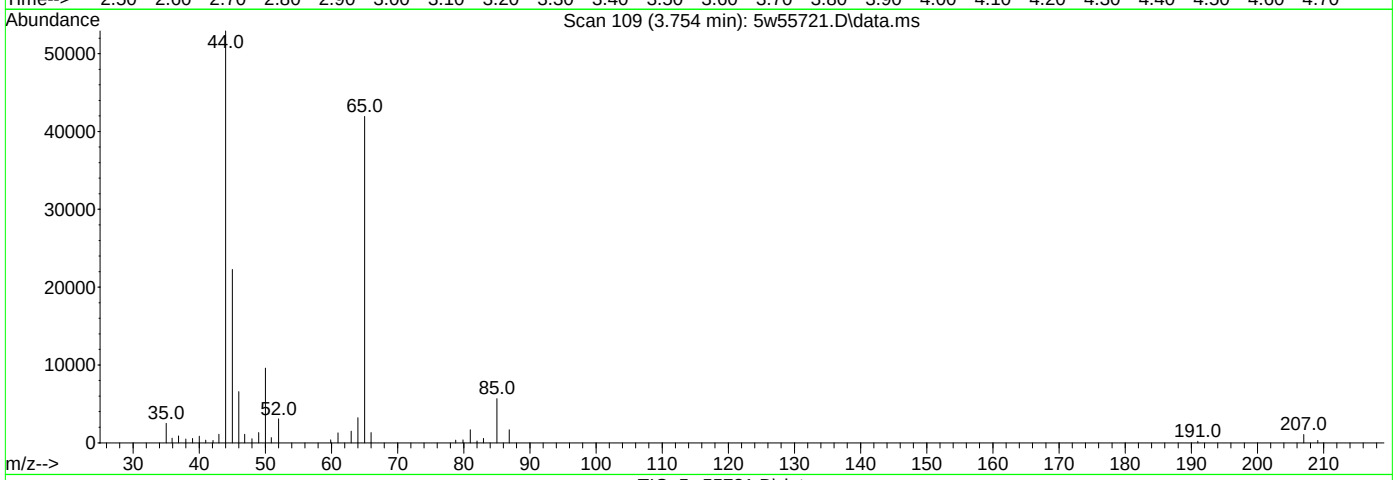
Ion	Exp%	Act%
45.10	100	100
46.10	34.50	25.15
42.00	8.60	28.21
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\kristelv\121924\v5w2133\
Data File : 5w55721.D
Acq On : 18 Dec 2024 12:42 pm
Operator : thomash
Sample : je2490-4 Inst : GCMS5W
Misc : MS88104,V5W2133,500,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 18 23:52:11 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration





TIC: 5w55721.D\data.ms

(3) FREON 152A

3.754min (+0.208) 4.56PPBV

response 68106

Ion	Exp%	Act%
65.00	100	100
45.00	31.80	56.18
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55794.D
Acq On : 21 Dec 2024 1:49 am
Operator : thomash
Sample : je2490-4 Inst : GCMS5W
Misc : MS88104,V5W2136,20,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 23 07:51:17 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

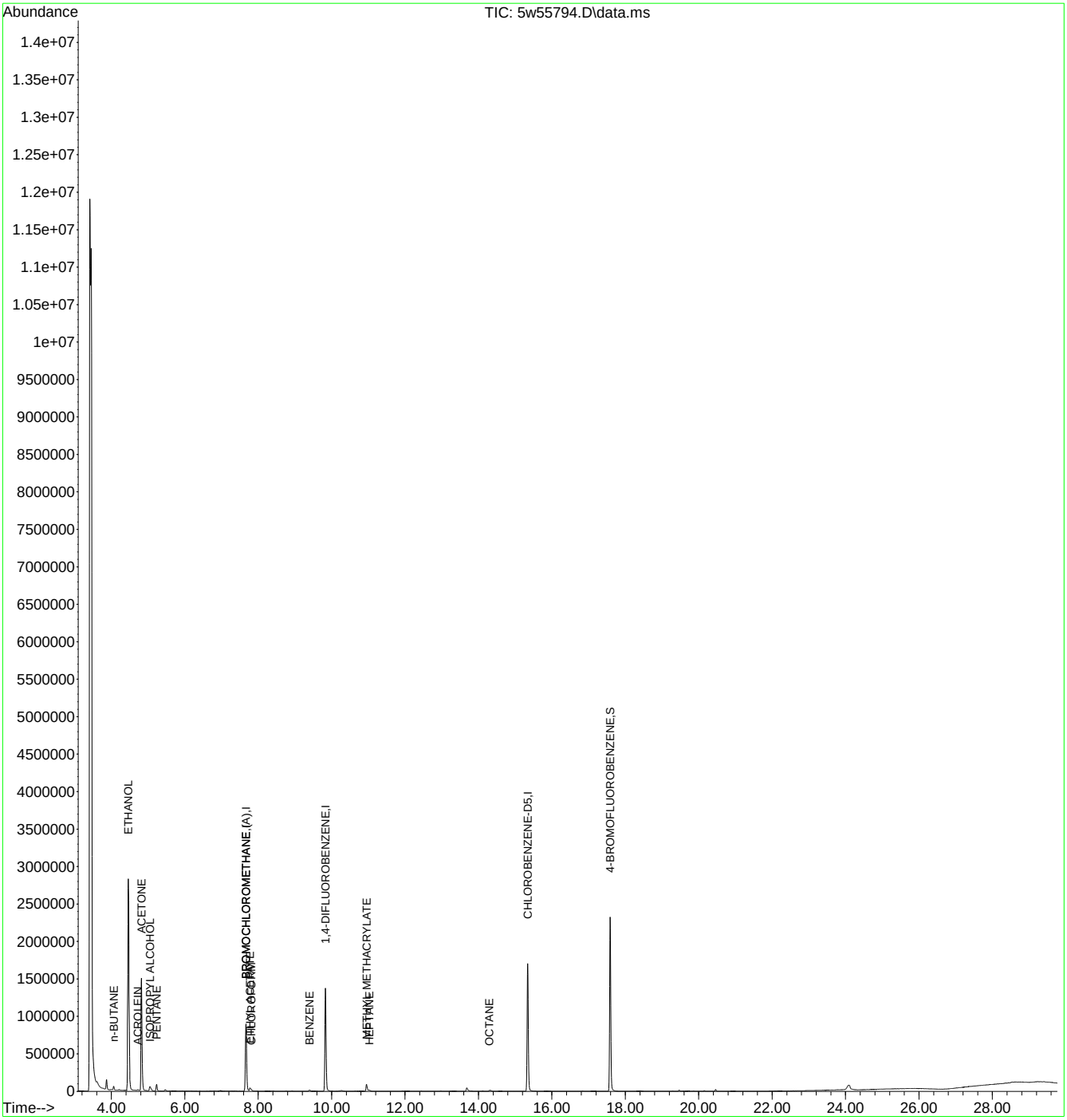
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	7.669	128	245552	10.00	PPBV	# 0.00
51) 1,4-DIFLUOROBENZENE	9.828	114	1188779	10.00	PPBV	0.00
70) CHLOROBENZENE-D5	15.341	82	677814	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	7.669	128	245552	10.00	PPBV	# 0.00
System Monitoring Compounds						
85) 4-BROMOFLUOROBENZENE	17.586	95	828187	10.92	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 109.20%			
Target Compounds						Qvalue
13) n-BUTANE	4.066	43	44692	0.8519	PPBV	# 94
18) ACROLEIN	4.720	56	8445	0.6382	PPBV	81
22) ISOPROPYL ALCOHOL	5.051	45	108866	2.0720	PPBV	89
23) ACETONE	4.818	58	524069	26.4618	PPBV	# 81
24) PENTANE	5.234	42	38736	1.4841	PPBV	97
28) ETHANOL	4.463	45	3885481	201.7751	PPBV	99
44) ETHYL ACETATE	7.773	61	7503	0.9549	PPBV	# 74
46) CHLOROFORM	7.810	83	9379	0.1488	PPBV	92
52) BENZENE	9.400	78	16093	0.1868	PPBV	98
62) HEPTANE	11.028	43	5465	0.1196	PPBV	86
63) METHYL METHACRYLATE	10.948	69	46966	1.6396	PPBV	79
76) OCTANE	14.294	43	20484	0.3441	PPBV	# 34

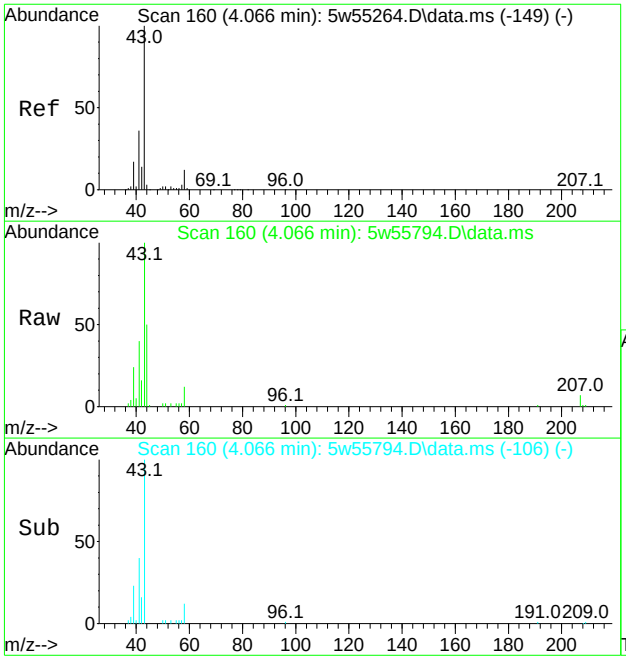
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55794.D
Acq On : 21 Dec 2024 1:49 am
Operator : thomash
Sample : je2490-4 Inst : GCMS5W
Misc : MS88104,V5W2136,20,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 23 07:51:17 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

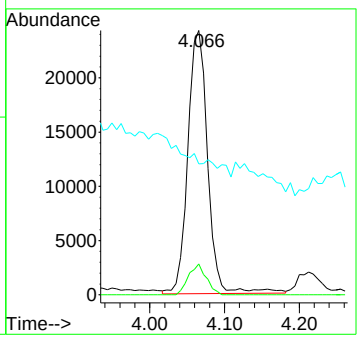


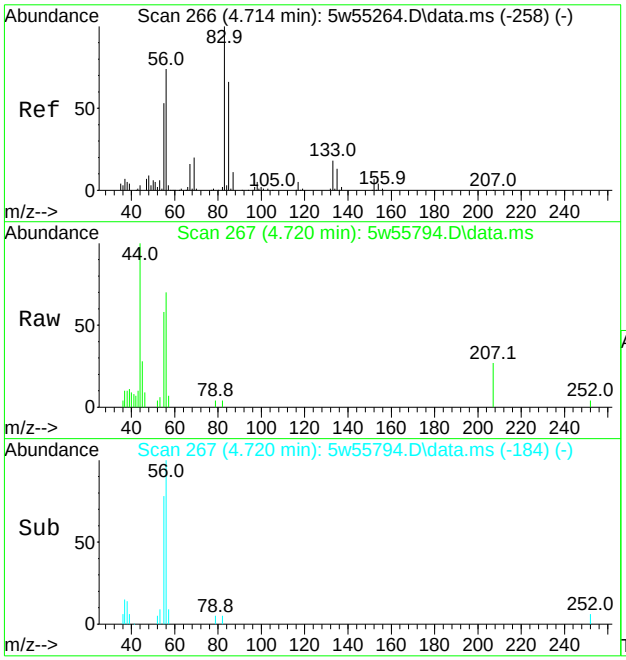


#13
n-BUTANE
Concen: 0.8519 PPBV
RT: 4.066 min Scan# 160
Delta R.T. -0.000 min
Lab File: 5w55794.D
Acq: 21 Dec 2024 1:49 am

Tgt Ion: 43 Resp: 44692

Ion	Ratio	Lower	Upper
43	100		
58	10.6	0.0	41.6
44	0.0	0.0	34.7

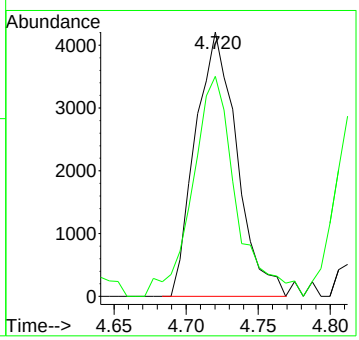


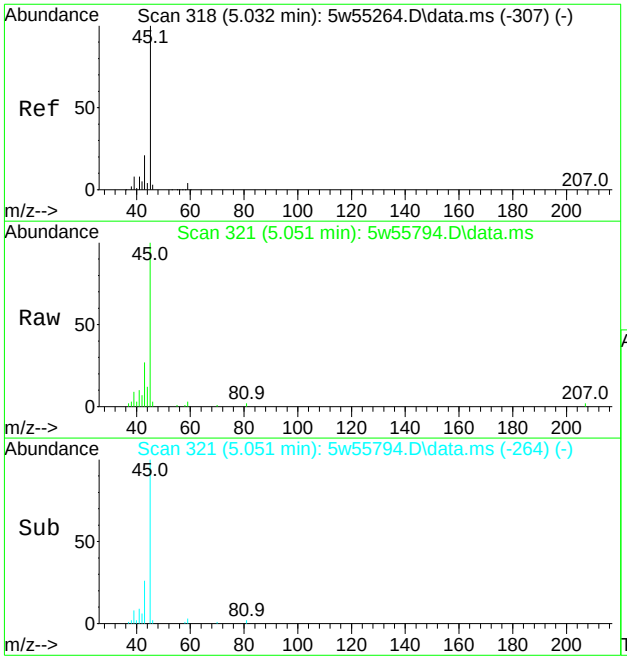


#18
ACROLEIN
Concen: 0.6382 PPBV
RT: 4.720 min Scan# 267
Delta R.T. 0.006 min
Lab File: 5w55794.D
Acq: 21 Dec 2024 1:49 am

Tgt Ion: 56 Resp: 8445

Ion	Ratio	Lower	Upper
56	100		
55	86.9	49.8	92.6

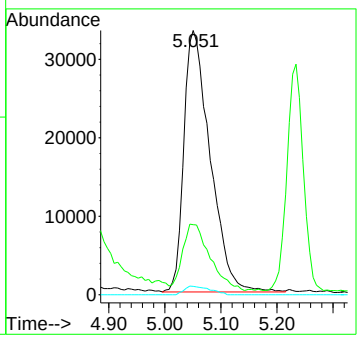


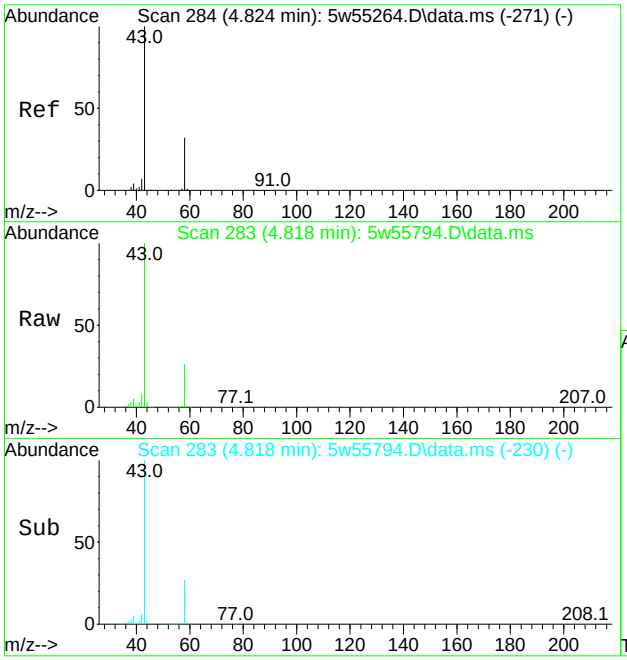


#22
ISOPROPYL ALCOHOL
Concen: 2.0720 PPBV
RT: 5.051 min Scan# 321
Delta R.T. 0.018 min
Lab File: 5w55794.D
Acq: 21 Dec 2024 1:49 am

Tgt Ion: 45 Resp: 108866

Ion	Ratio	Lower	Upper
45	100		
43	26.5	0.0	50.8
59	3.2	0.0	33.8

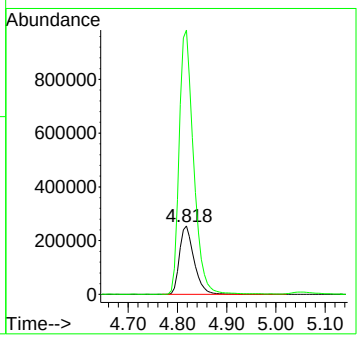


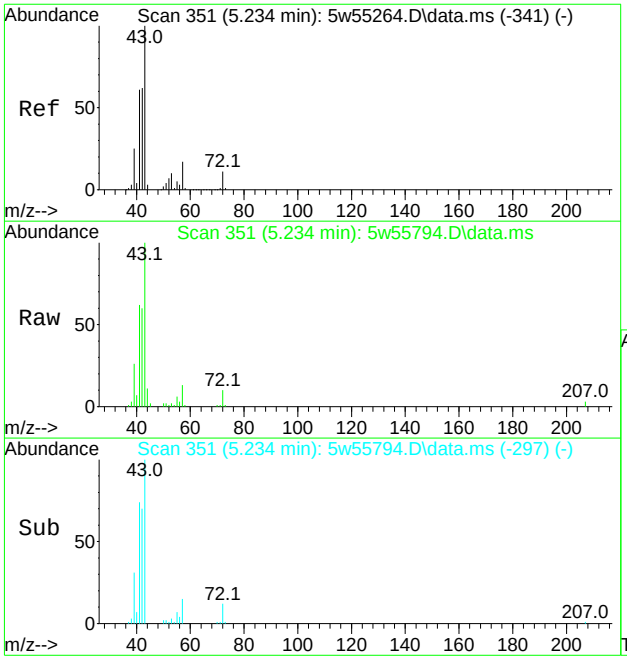


#23
ACETONE
Concen: 26.4618 PPBV
RT: 4.818 min Scan# 283
Delta R.T. -0.006 min
Lab File: 5w55794.D
Acq: 21 Dec 2024 1:49 am

Tgt Ion: 58 Resp: 524069

Ion	Ratio	Lower	Upper
58	100		
43	382.2	312.3	372.3#

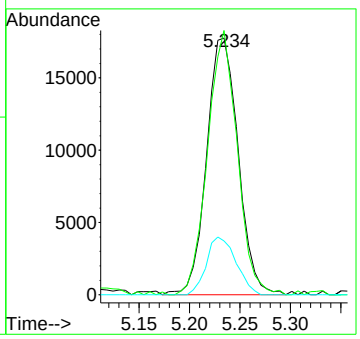


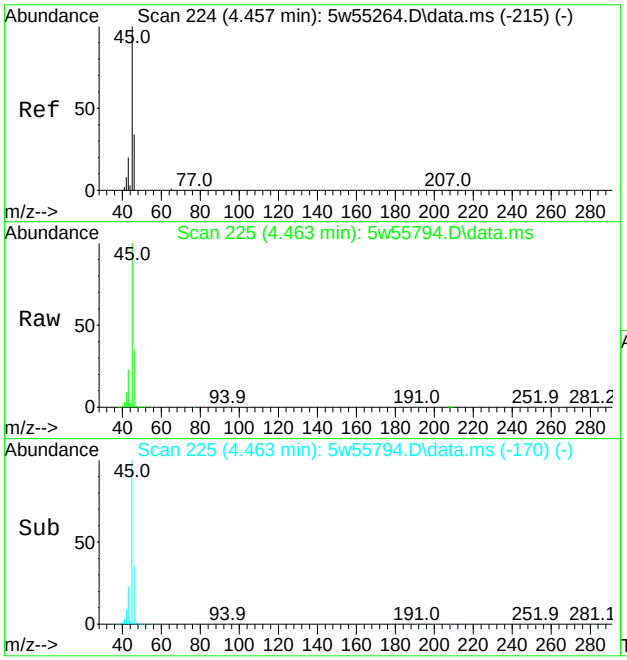


#24
PENTANE
Concen: 1.4841 PPBV
RT: 5.234 min Scan# 351
Delta R.T. -0.000 min
Lab File: 5w55794.D
Acq: 21 Dec 2024 1:49 am

Tgt Ion: 42 Resp: 38736

Ion	Ratio	Lower	Upper
42	100		
41	96.6	64.4	124.4
57	21.0	0.0	55.0

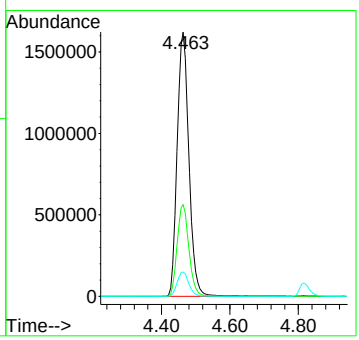


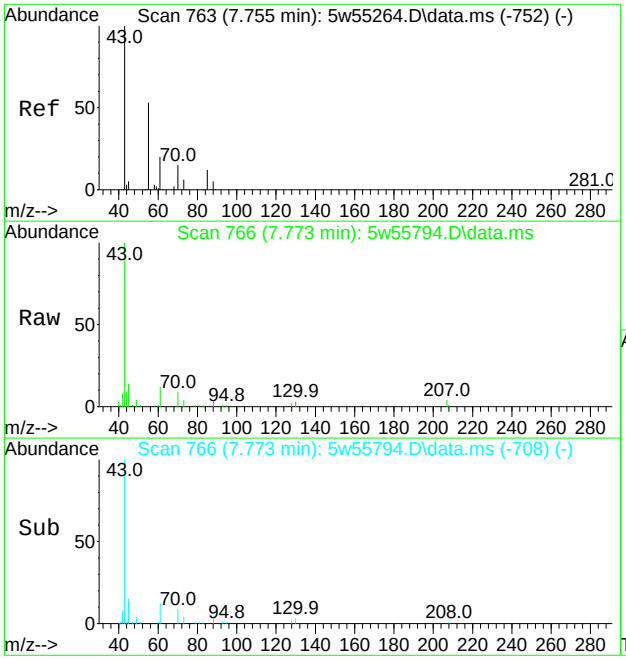


#28
ETHANOL
Concen: 201.7751 PPBV
RT: 4.463 min Scan# 225
Delta R.T. 0.006 min
Lab File: 5w55794.D
Acq: 21 Dec 2024 1:49 am

Tgt Ion: 45 Resp: 3885481

Ion	Ratio	Lower	Upper
45	100		
46	34.9	4.5	64.5
42	9.4	0.0	38.6

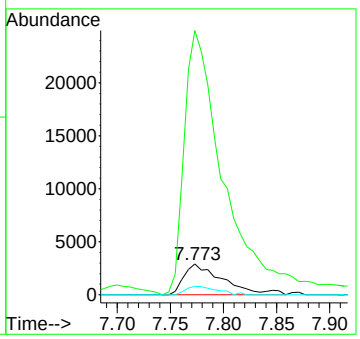


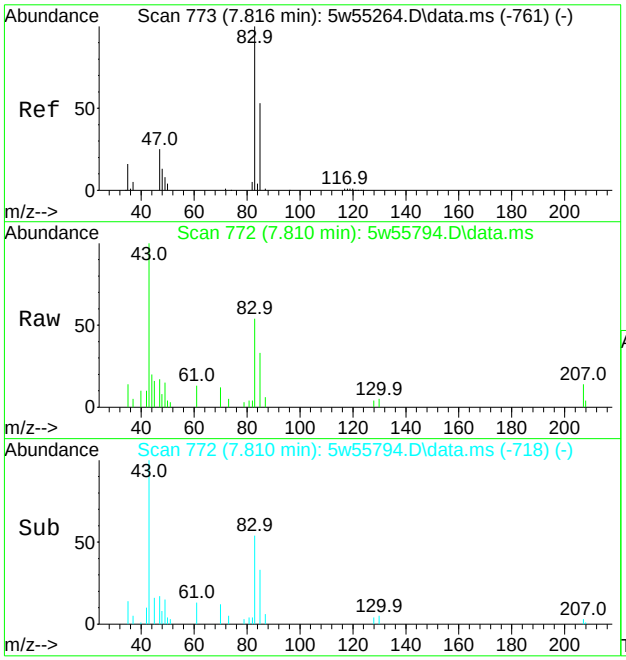


#44
ETHYL ACETATE
Concen: 0.9549 PPBV
RT: 7.773 min Scan# 766
Delta R.T. 0.024 min
Lab File: 5w55794.D
Acq: 21 Dec 2024 1:49 am

Tgt Ion: 61 Resp: 7503

Ion	Ratio	Lower	Upper
61	100		
43	935.8	0.0	30.0#
88	21.9	7.3	67.3

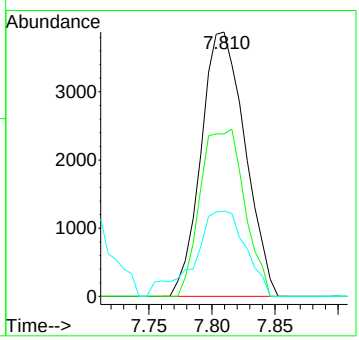


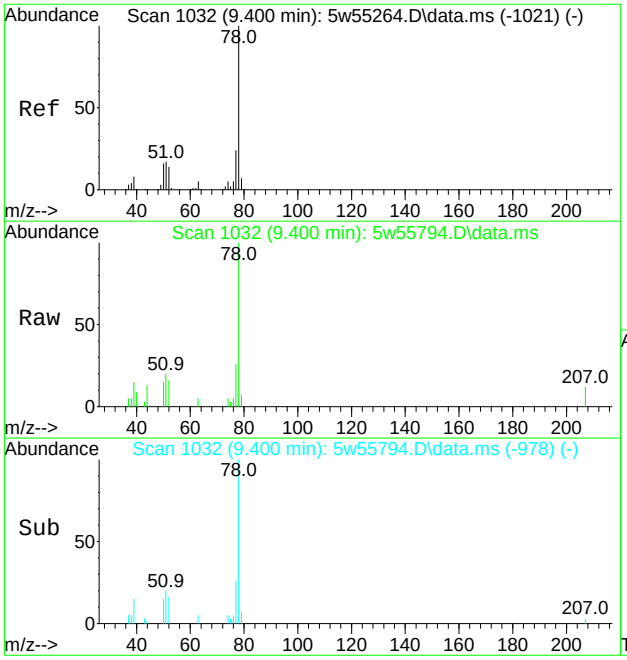


#46
CHLOROFORM
Concen: 0.1488 PPBV
RT: 7.810 min Scan# 772
Delta R.T. -0.000 min
Lab File: 5w55794.D
Acq: 21 Dec 2024 1:49 am

Tgt Ion: 83 Resp: 9379

Ion	Ratio	Lower	Upper
83	100		
85	63.7	35.5	95.5
47	37.6	0.0	56.8

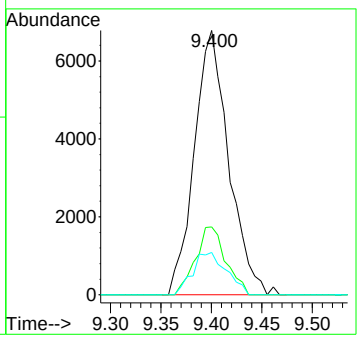


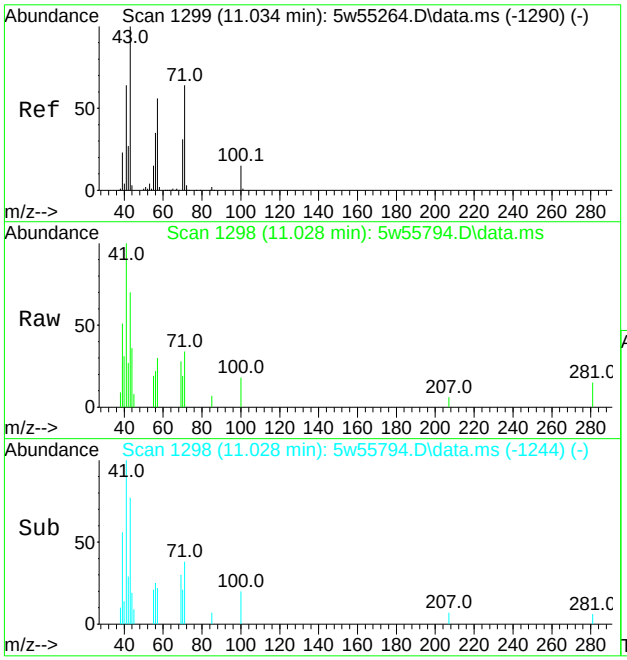


#52
BENZENE
Concen: 0.1868 PPBV
RT: 9.400 min Scan# 1032
Delta R.T. -0.000 min
Lab File: 5w55794.D
Acq: 21 Dec 2024 1:49 am

Tgt Ion: 78 Resp: 16093

Ion	Ratio	Lower	Upper
78	100		
77	22.6	0.0	54.0
52	15.8	0.0	45.6

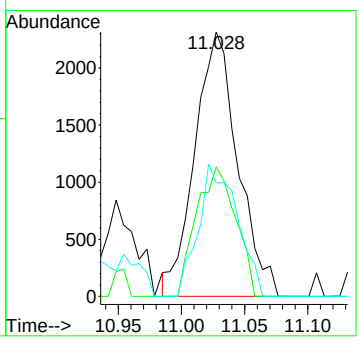


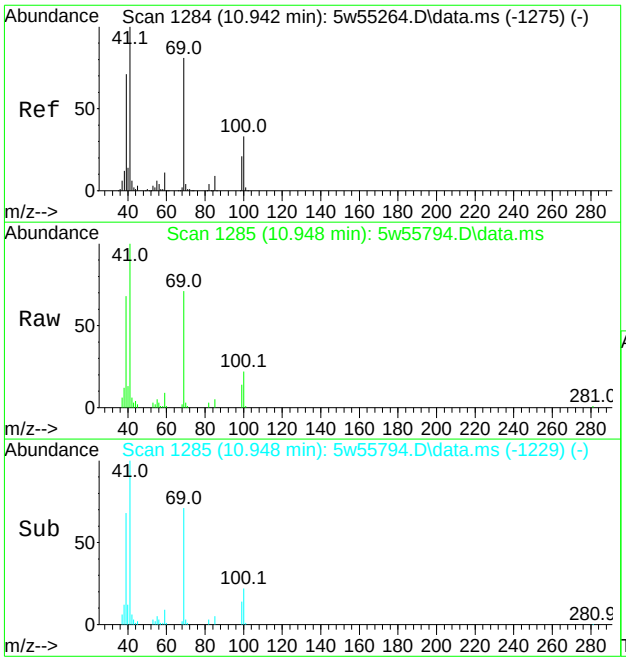


#62
HEPTANE
Concen: 0.1196 PPBV
RT: 11.028 min Scan# 1298
Delta R.T. -0.000 min
Lab File: 5w55794.D
Acq: 21 Dec 2024 1:49 am

Tgt Ion: 43 Resp: 5465

Ion	Ratio	Lower	Upper
43	100		
71	44.9	27.2	87.2
57	45.2	22.5	82.5

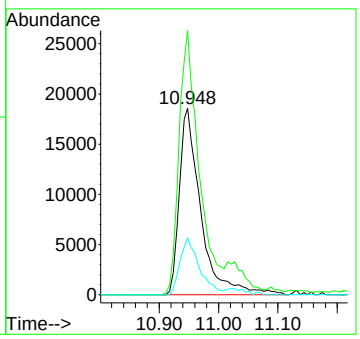


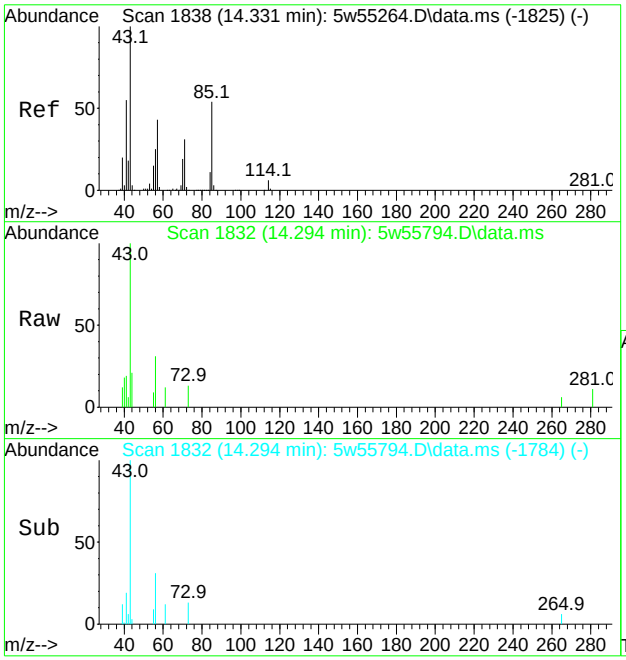


#63
METHYL METHACRYLATE
Concen: 1.6396 PPBV
RT: 10.948 min Scan# 1285
Delta R.T. 0.012 min
Lab File: 5w55794.D
Acq: 21 Dec 2024 1:49 am

Tgt Ion: 69 Resp: 46966

Ion	Ratio	Lower	Upper
69	100		
41	155.7	97.3	157.3
100	27.8	3.0	63.0

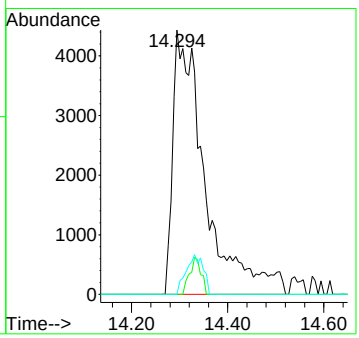




#76
OCTANE
Concen: 0.3441 PPBV
RT: 14.294 min Scan# 1832
Delta R.T. -0.037 min
Lab File: 5w55794.D
Acq: 21 Dec 2024 1:49 am

Tgt Ion: 43 Resp: 20484

Ion	Ratio	Lower	Upper
43	100		
85	0.0	13.7	73.7#
57	0.0	9.9	69.9#



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55706.D
Acq On : 18 Dec 2024 12:51 am
Operator : thomash
Sample : mb Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 18 19:27:35 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

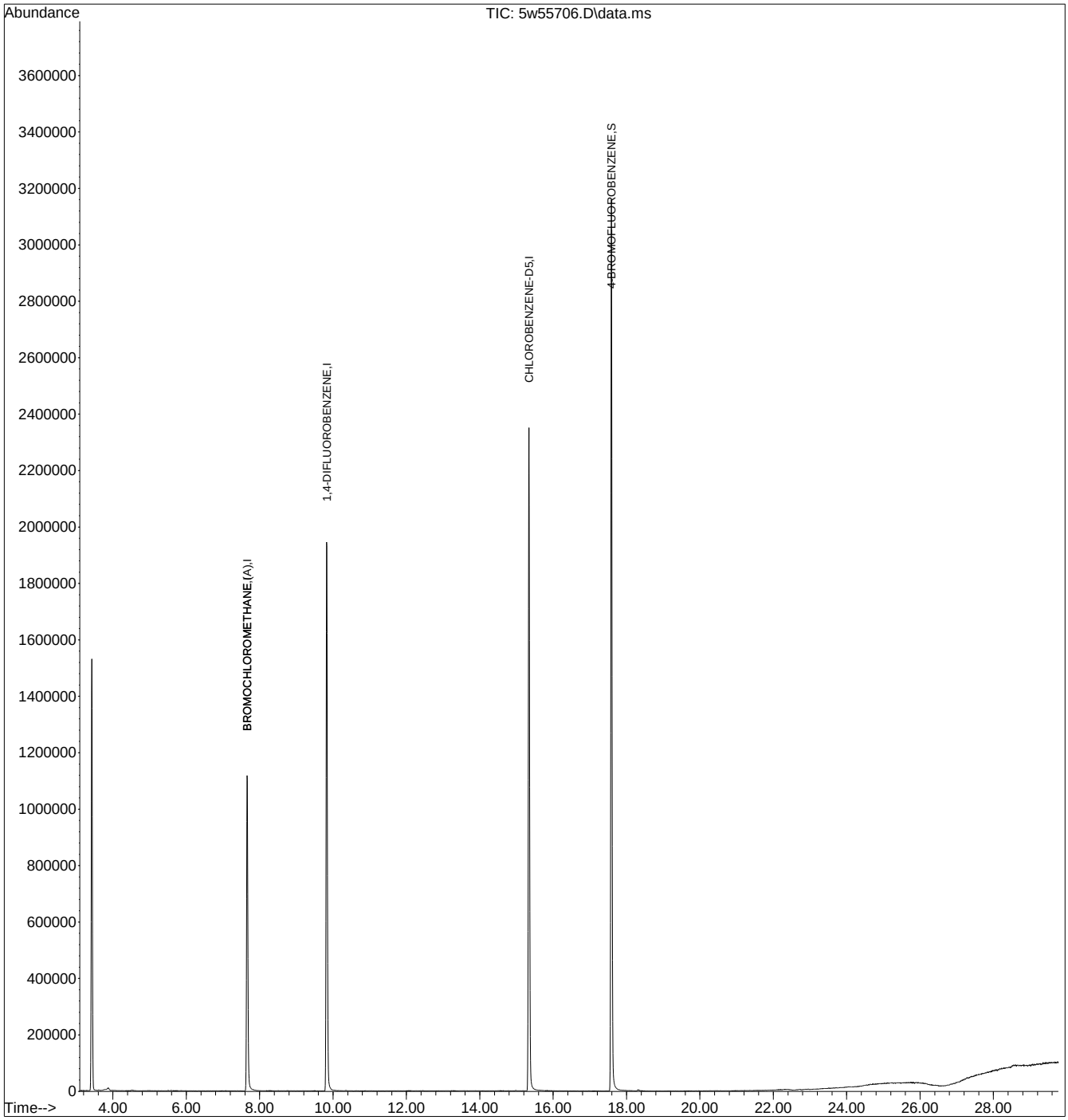
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	7.657	128	295908	10.00	PPBV	#-0.01
51) 1,4-DIFLUOROBENZENE	9.829	114	1754729	10.00	PPBV	0.00
70) CHLOROBENZENE-D5	15.341	82	953484	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	7.657	128	295908	10.00	PPBV	#-0.01
System Monitoring Compounds						
85) 4-BROMOFLUOROBENZENE	17.586	95	1170287	10.97	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 109.70%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55706.D
Acq On : 18 Dec 2024 12:51 am
Operator : thomash
Sample : mb Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 18 19:27:35 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55783.D
Acq On : 20 Dec 2024 5:06 pm
Operator : thomash
Sample : mb Inst : GCMS5W
Misc : MS88104,V5W2136,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 23 07:17:43 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

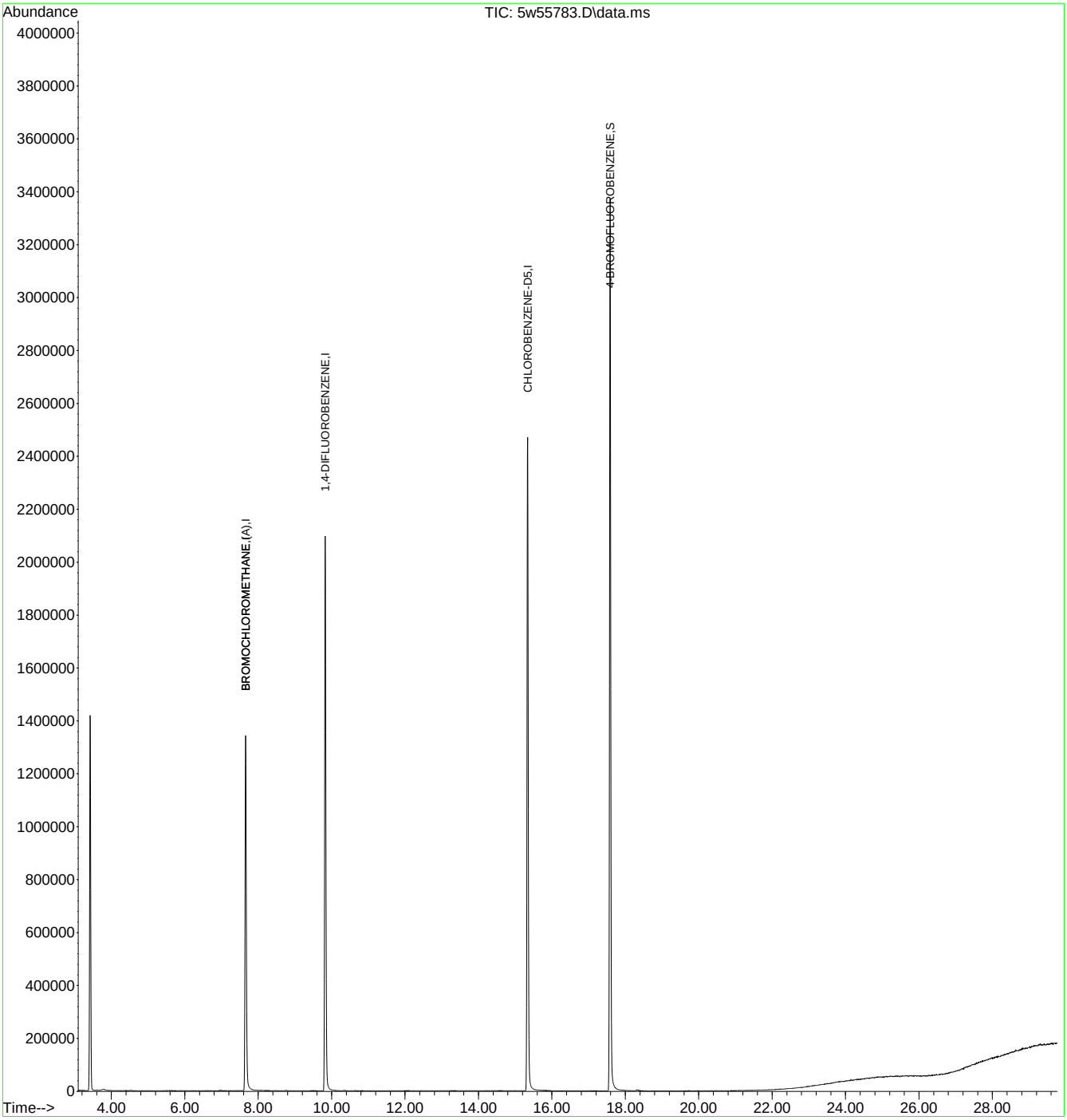
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	7.657	128	420264	10.00	PPBV	-0.01
51) 1,4-DIFLUOROBENZENE	9.823	114	1982756	10.00	PPBV	-0.01
70) CHLOROBENZENE-D5	15.341	82	1052285	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	7.657	128	420264	10.00	PPBV	#-0.01
System Monitoring Compounds						
85) 4-BROMOFLUOROBENZENE	17.586	95	1308462	11.11	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 111.10%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55783.D
Acq On : 20 Dec 2024 5:06 pm
Operator : thomash
Sample : mb Inst : GCMS5W
Misc : MS88104,V5W2136,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 23 07:17:43 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55823.D
Acq On : 23 Dec 2024 12:54 pm
Operator : thomash
Sample : mb Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 24 04:46:04 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

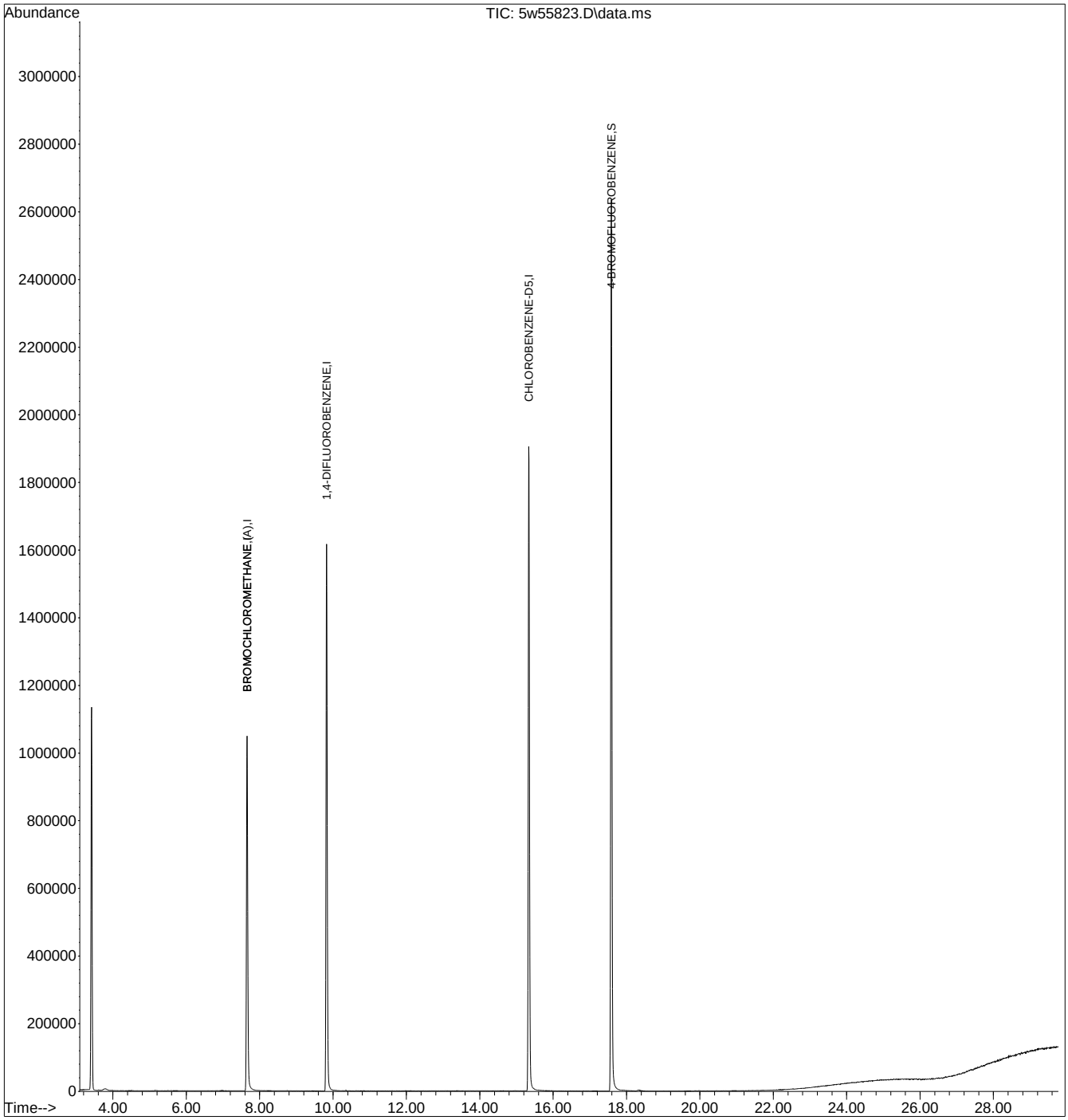
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	7.657	128	311710	10.00	PPBV	-0.01
51) 1,4-DIFLUOROBENZENE	9.822	114	1493158	10.00	PPBV	-0.01
70) CHLOROBENZENE-D5	15.334	82	781178	10.00	PPBV	-0.01
109) BROMOCHLOROMETHANE (A)	7.657	128	311710	10.00	PPBV	#-0.01
System Monitoring Compounds						
85) 4-BROMOFLUOROBENZENE	17.586	95	951244	10.88	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 108.80%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55823.D
Acq On : 23 Dec 2024 12:54 pm
Operator : thomash
Sample : mb Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 24 04:46:04 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\luckyc\
Data File : 7w10580.D
Acq On : 18 Nov 2024 12:04 pm
Operator : bkim
Sample : mb
Misc : MS87131,v7w387,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 19 11:51:48 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	3.277	128	64026	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.553	114	327182	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.122	117	306459	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.277	128	64026	10.00	PPBV	0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.476	95	198631	8.84	PPBV	0.00

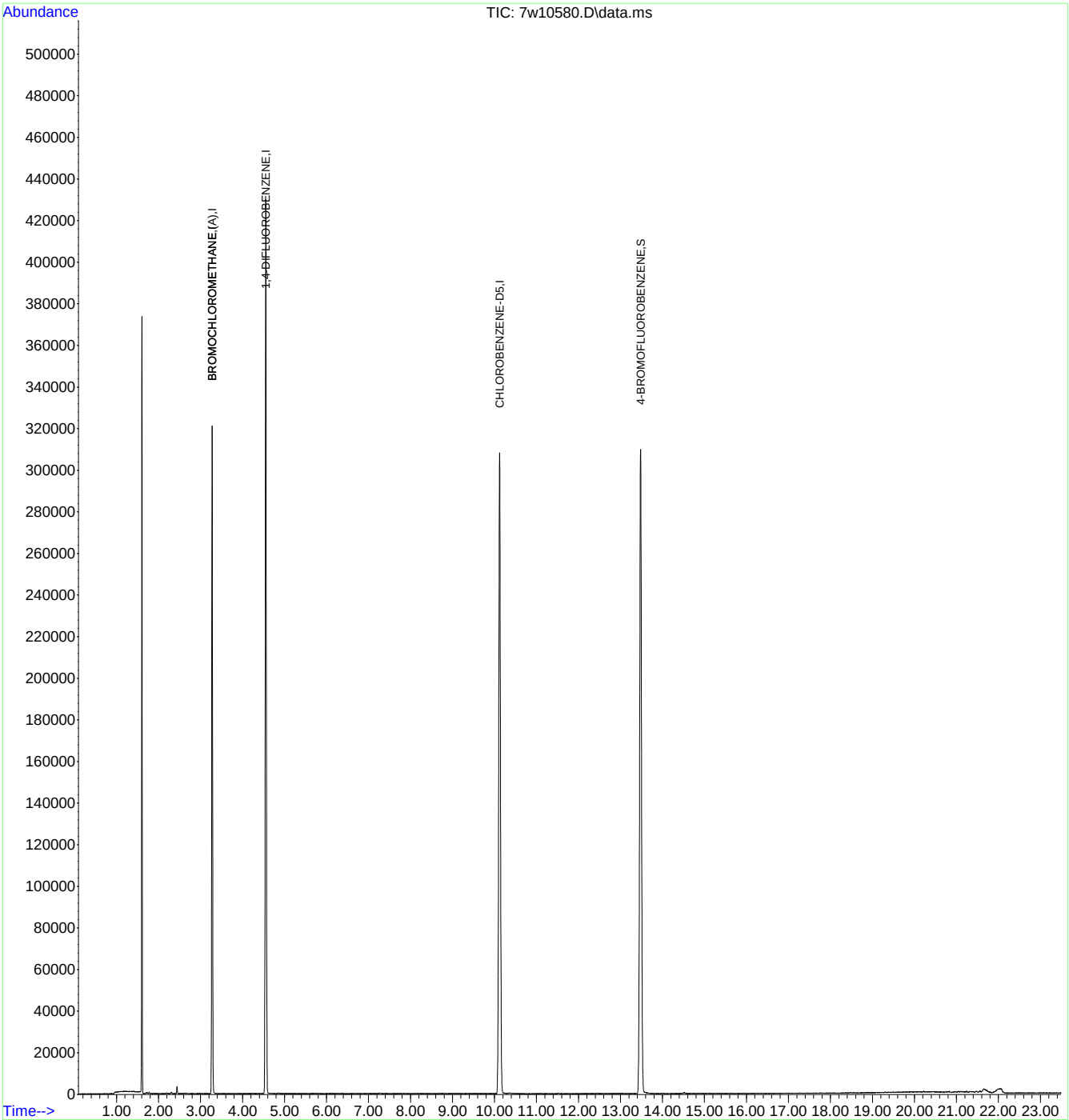
Target Compounds	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\luckyc\
Data File : 7w10580.D
Acq On : 18 Nov 2024 12:04 pm
Operator : bkim
Sample : mb
Misc : MS87131,v7w387,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 19 11:51:48 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55701.D
Acq On : 17 Dec 2024 9:13 pm
Operator : thomash
Sample : bs Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 18:33:17 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	7.669	128	313892	10.00	PPBV	# 0.00
51) 1,4-DIFLUOROBENZENE	9.835	114	1454050	10.00	PPBV	0.00
70) CHLOROBENZENE-D5	15.347	82	902926	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	7.669	128	313892	10.00	PPBV	# 0.00
System Monitoring Compounds						
85) 4-BROMOFLUOROBENZENE	17.586	95	1012991	10.02	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 100.20%			
Target Compounds						Qvalue
2) FREON 115	3.460	119	565739	13.1668	PPBV	91
3) FREON 152A	3.539	65	284375	12.2452	PPBV	94
4) CHLORODIFLUOROMETHANE	3.576	67	159275	13.2268	PPBV	98
5) CHLOROTRIFLUOROETHENE	3.601	116	564184	10.3804	PPBV	98
6) DICHLORODIFLUOROMETHANE	3.650	85	1415187	12.3372	PPBV	99
7) PROPYLENE	3.594	41	354111	12.2570	PPBV	97
8) 1-CHLORO-1,1-DIFLUOROE...	3.754	65	1323070	11.2633	PPBV	98
9) FREON 114	3.839	85	1523848	10.8301	PPBV	95
10) CHLOROMETHANE	3.766	52	140759	9.5156	PPBV	96
11) VINYL CHLORIDE	3.925	62	501674	9.6309	PPBV	99
12) 1,3-BUTADIENE	4.023	54	328641	9.4013	PPBV #	81
13) n-BUTANE	4.059	43	677176	10.0983	PPBV	98
14) BROMOMETHANE	4.225	94	501334	9.1337	PPBV	99
15) CHLOROETHANE	4.353	64	221160	9.2911	PPBV	96
16) DICHLOROFLUOROMETHANE	4.420	67	1186539	10.0844	PPBV	98
17) ACETONITRILE	4.616	41	382031	9.8628	PPBV	99
18) ACROLEIN	4.708	56	172478	10.1971	PPBV	99
19) FREON 123	4.732	83	1197754	10.1145	PPBV	99
20) FREON 123A	4.775	117	626407	9.9483	PPBV	87
21) TRICHLOROFLUOROMETHANE	4.940	101	1226758	11.5726	PPBV	100
22) ISOPROPYL ALCOHOL	5.020	45	790681	11.7722	PPBV	97
23) ACETONE	4.818	58	188311	7.4382	PPBV #	75
24) PENTANE	5.228	42	412053	12.3497	PPBV	96
25) IODOMETHANE	5.411	142	1095345	12.3862	PPBV	98
26) 1,1-DICHLOROETHYLENE	5.479	96	369495	11.2461	PPBV	92
27) CARBON DISULFIDE	5.846	76	1178475	12.3977	PPBV	97
28) ETHANOL	4.451	45	234765	9.5372	PPBV	98
29) BROMOETHENE	4.616	106	463255	9.9074	PPBV	97
30) ACRYLONITRILE	5.197	52	244683	9.3040	PPBV	99
31) METHYLENE CHLORIDE	5.589	84	349487	10.6154	PPBV	94
32) 3-CHLOROPROPENE	5.693	76	190768	12.5662	PPBV #	87
33) FREON 113	5.815	151	700101	12.8166	PPBV	90
34) TRANS-1,2-DICHLOROETHY...	6.445	96	391118	11.2651	PPBV	94
35) TERTIARY BUTYL ALCOHOL	5.540	59	757111	11.9832	PPBV	95
36) METHYL TERTIARY BUTYL ...	6.702	73	1179737	13.2568	PPBV	97
37) TETRAHYDROFURAN	8.238	72	184127	13.5162	PPBV	90
38) HEXANE	7.699	57	608636	12.3752	PPBV	89
39) VINYL ACETATE	6.806	86	69299	12.3275	PPBV #	78
40) 1,1-DICHLOROETHANE	6.647	63	782820	12.1315	PPBV	99
41) METHYL ETHYL KETONE	7.051	72	193409	14.2049	PPBV #	82
42) cis-1,2-DICHLOROETHYLENE	7.498	96	420664	11.6767	PPBV	94
43) DIISOPROPYL ETHER	7.712	59	186180	12.4621	PPBV #	85
44) ETHYL ACETATE	7.742	61	140521	13.9905	PPBV #	97
45) METHYL ACRYLATE	7.730	55	787676	13.1741	PPBV	98
46) CHLOROFORM	7.803	83	999111	12.3991	PPBV	99
47) 2,4-DIMETHYLPENTANE	8.660	57	691755	12.8610	PPBV	100
48) 1,1,1-TRICHLOROETHANE	8.874	97	1006425	12.3007	PPBV	98

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55701.D
Acq On : 17 Dec 2024 9:13 pm
Operator : thomash
Sample : bs Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 18:33:17 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
49) CARBON TETRACHLORIDE	9.559	117	1065043	12.3166	PPBV		99
50) 1,2-DICHLOROETHANE	8.599	62	713469	13.6130	PPBV		98
52) BENZENE	9.394	78	1257021	11.9271	PPBV		99
53) CYCLOHEXANE	9.694	84	486536	12.2895	PPBV		97
54) 2,3-DIMETHYLPENTANE	9.994	71	259732	12.1515	PPBV		98
55) TRICHLOROETHYLENE	10.648	95	606209	10.9106	PPBV		93
56) 1,2-DICHLOROPROPANE	10.355	63	487323	10.8937	PPBV		96
57) DIBROMOMETHANE	10.330	174	698985	12.8515	PPBV		85
58) ETHYL ACRYLATE	10.410	55	966249	13.6926	PPBV		99
59) BROMODICHLOROMETHANE	10.599	83	1178495	12.1464	PPBV		100
60) 2,2,4-TRIMETHYLPENTANE	10.679	57	1917970	11.9840	PPBV		98
61) 1,4-DIOXANE	10.667	88	278430	11.3444	PPBV		92
62) HEPTANE	11.027	43	734912	13.1469	PPBV		95
63) METHYL METHACRYLATE	10.936	69	466996	13.3286	PPBV		92
64) METHYL ISOBUTYL KETONE	11.786	58	380109	12.7624	PPBV	#	84
65) cis-1,3-DICHLOROPROPENE	11.725	75	867878	12.7711	PPBV		93
66) TOLUENE	12.955	92	833668	11.3092	PPBV		99
67) 1,3-DICHLOROPROPANE	13.003	76	782394	12.0642	PPBV	#	99
68) trans-1,3-DICHLOROPROPENE	12.404	75	789840	12.6276	PPBV		94
69) 1,1,2-TRICHLOROETHANE	12.606	83	514691	11.5580	PPBV		96
71) 2-HEXANONE	13.358	58	543573	12.7616	PPBV		83
72) ETHYL METHACRYLATE	13.383	69	807428	12.9466	PPBV		93
73) TETRACHLOROETHYLENE	14.460	164	702048	11.9038	PPBV		84
74) DIBROMOCHLOROMETHANE	13.505	129	1035622	10.7992	PPBV		99
75) 1,2-DIBROMOETHANE	13.823	107	887287	11.1580	PPBV		99
76) OCTANE	14.325	43	1070818	13.5020	PPBV		94
77) 1,1,1,2-TETRACHLOROETHANE	15.383	131	668416	10.0948	PPBV		90
78) CHLOROBENZENE	15.402	112	1154772	9.9346	PPBV		93
79) ETHYLBENZENE	15.952	91	1956239	11.7515	PPBV		97
80) m,p-XYLENE	16.234	106	1371318	21.7102	PPBV		92
81) o-XYLENE	16.900	106	681674	11.1179	PPBV		92
82) STYRENE	16.748	104	1052497	11.9681	PPBV		95
83) NONANE	17.310	43	1118669	13.5163	PPBV		97
84) BROMOFORM	16.289	173	1443015	14.7072	PPBV		99
86) 1,1,2,2-TETRACHLOROETHANE	16.900	83	1389683	11.2759	PPBV		100
87) 1,2,3-TRICHLOROPROPANE	17.090	75	990307	11.1286	PPBV		95
88) ISOPROPYLBENZENE	17.812	105	1992471	10.5020	PPBV		97
89) BROMOBENZENE	17.904	77	1163694	10.8599	PPBV		98
90) 2-CHLOROTOLUENE	18.546	126	481256	10.1243	PPBV		100
91) n-PROPYLBENZENE	18.632	120	515888	10.7259	PPBV		99
92) 4-ETHYLTOLUENE	18.876	105	2026620	11.5739	PPBV		98
93) 1,3,5-TRIMETHYLBENZENE	19.005	105	1698402	11.3495	PPBV		97
94) ALPHA-METHYLSTYRENE	19.256	118	797961	9.8784	PPBV		97
95) tert-BUTYLBENZENE	19.611	134	342276	10.4760	PPBV		94
96) 1,2,4-TRIMETHYLBENZENE	19.623	105	1838391	11.7088	PPBV		98
97) m-DICHLOROBENZENE	19.813	146	1339814	10.8375	PPBV		98
98) BENZYL CHLORIDE	19.806	91	1865291	11.0684	PPBV		97
99) p-DICHLOROBENZENE	19.923	146	1301886	11.2793	PPBV		98
100) sec-BUTYLBENZENE	20.014	134	412760	10.5885	PPBV	#	89
101) 1,2,3-TRIMETHYLBENZENE	20.235	105	1793961	11.2501	PPBV	#	98
102) p-ISOPROPYLTOLUENE	20.259	134	475123	10.3705	PPBV		95
103) o-DICHLOROBENZENE	20.400	146	1223964	10.9062	PPBV		98
104) n-BUTYLBENZENE	20.852	134	455939	10.8186	PPBV	#	77
105) HEXACHLOROETHANE	21.317	117	953521	12.1375	PPBV	#	81
106) HEXACHLOROBUTADIENE	23.361	225	1732900	16.4128	PPBV		100
107) 1,2,4-TRICHLOROBENZENE	23.214	180	1430193	14.3025	PPBV		96
108) NAPHTHALENE	22.877	128	2358681	10.7459	PPBV		100
110) TVHC as equiv Pentane	5.228	TIC	2726987	11.0975	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55701.D
Acq On : 17 Dec 2024 9:13 pm
Operator : thomash
Sample : bs Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 18:33:17 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

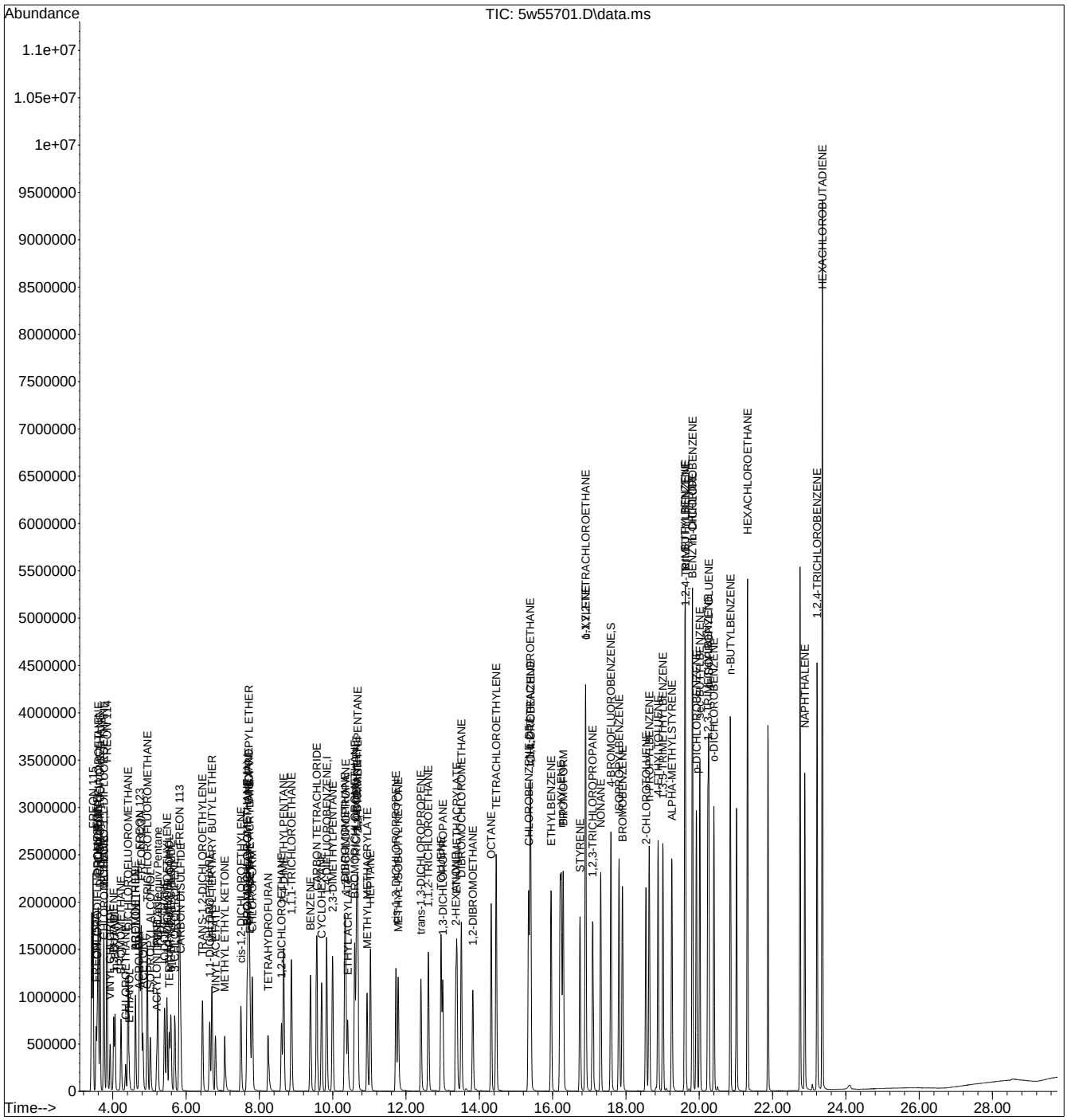
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55701.D
Acq On : 17 Dec 2024 9:13 pm
Operator : thomash
Sample : bs Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 18:33:17 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55703.D
Acq On : 17 Dec 2024 10:35 pm
Operator : thomash
Sample : bsd Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 18:33:56 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.663	128	319491	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.829	114	1462454	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	15.341	82	906713	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.663	128	319491	10.00	PPBV	#	0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	17.586	95	1005252	9.91	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 99.10%				
Target Compounds							Qvalue
2) FREON 115	3.454	119	523028	11.9594	PPBV		88
3) FREON 152A	3.533	65	278056	11.7633	PPBV		93
4) CHLORODIFLUOROMETHANE	3.564	67	155658	12.6999	PPBV		95
5) CHLOROTRIFLUOROETHENE	3.595	116	549136	9.9265	PPBV		97
6) DICHLORODIFLUOROMETHANE	3.644	85	1386093	11.8718	PPBV		99
7) PROPYLENE	3.588	41	355035	12.0736	PPBV		97
8) 1-CHLORO-1,1-DIFLUOROE...	3.748	65	1414411	11.8298	PPBV		98
9) FREON 114	3.833	85	1603406	11.1958	PPBV		95
10) CHLOROMETHANE	3.760	52	152620	10.1366	PPBV		100
11) VINYL CHLORIDE	3.919	62	535334	10.0970	PPBV		98
12) 1,3-BUTADIENE	4.017	54	348917	9.8064	PPBV	#	83
13) n-BUTANE	4.053	43	718682	10.5294	PPBV		97
14) BROMOMETHANE	4.219	94	516272	9.2410	PPBV		99
15) CHLOROETHANE	4.347	64	224643	9.2721	PPBV		95
16) DICHLOROFLUOROMETHANE	4.408	67	1207581	10.0834	PPBV		97
17) ACETONITRILE	4.610	41	384779	9.7597	PPBV		98
18) ACROLEIN	4.702	56	172931	10.0447	PPBV		99
19) FREON 123	4.726	83	1196430	9.9263	PPBV		99
20) FREON 123A	4.763	117	630011	9.8302	PPBV		88
21) TRICHLOROFLUOROMETHANE	4.934	101	1229725	11.3973	PPBV		99
22) ISOPROPYL ALCOHOL	5.014	45	763115	11.1627	PPBV		97
23) ACETONE	4.812	58	190310	7.3855	PPBV	#	73
24) PENTANE	5.222	42	395773	11.6539	PPBV		95
25) IODOMETHANE	5.405	142	1000997	11.1209	PPBV		100
26) 1,1-DICHLOROETHYLENE	5.473	96	389796	11.6561	PPBV		90
27) CARBON DISULFIDE	5.840	76	1221179	12.6219	PPBV		97
28) ETHANOL	4.445	45	240425	9.5959	PPBV		98
29) BROMOETHENE	4.610	106	479535	10.0759	PPBV		97
30) ACRYLONITRILE	5.191	52	233936	8.7395	PPBV		99
31) METHYLENE CHLORIDE	5.577	84	372212	11.1075	PPBV		94
32) 3-CHLOROPROPENE	5.681	76	197475	12.7801	PPBV	#	86
33) FREON 113	5.809	151	716925	12.8946	PPBV		91
34) TRANS-1,2-DICHLOROETHY...	6.439	96	404836	11.4559	PPBV		94
35) TERTIARY BUTYL ALCOHOL	5.534	59	802450	12.4782	PPBV		95
36) METHYL TERTIARY BUTYL ...	6.702	73	1222293	13.4943	PPBV		97
37) TETRAHYDROFURAN	8.232	72	194280	14.0116	PPBV		92
38) HEXANE	7.693	57	631896	12.6230	PPBV		89
39) VINYL ACETATE	6.800	86	72188	12.6164	PPBV	#	74
40) 1,1-DICHLOROETHANE	6.641	63	803245	12.2299	PPBV		98
41) METHYL ETHYL KETONE	7.045	72	200051	14.4352	PPBV	#	76
42) cis-1,2-DICHLOROETHYLENE	7.492	96	434125	11.8391	PPBV		93
43) DIISOPROPYL ETHER	7.706	59	192063	12.6306	PPBV	#	83
44) ETHYL ACETATE	7.736	61	147247	14.4032	PPBV	#	38
45) METHYL ACRYLATE	7.724	55	811813	13.3399	PPBV		98
46) CHLOROFORM	7.804	83	1037123	12.6453	PPBV		98
47) 2,4-DIMETHYLPENTANE	8.654	57	720377	13.1585	PPBV		99
48) 1,1,1-TRICHLOROETHANE	8.868	97	1037001	12.4523	PPBV		98

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55703.D
Acq On : 17 Dec 2024 10:35 pm
Operator : thomash
Sample : bsd Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 18:33:56 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
49)	CARBON TETRACHLORIDE	9.559	117	1093220	12.4209	PPBV		99
50)	1,2-DICHLOROETHANE	8.599	62	736647	13.8089	PPBV		98
52)	BENZENE	9.394	78	1307486	12.3347	PPBV		99
53)	CYCLOHEXANE	9.694	84	503829	12.6532	PPBV		98
54)	2,3-DIMETHYLPENTANE	9.994	71	275093	12.7962	PPBV		100
55)	TRICHLOROETHYLENE	10.648	95	626809	11.2165	PPBV		93
56)	1,2-DICHLOROPROPANE	10.355	63	506804	11.2641	PPBV		97
57)	DIBROMOMETHANE	10.330	174	714172	13.0552	PPBV		86
58)	ETHYL ACRYLATE	10.404	55	1004441	14.1520	PPBV		99
59)	BROMODICHLOROMETHANE	10.599	83	1210939	12.4090	PPBV		99
60)	2,2,4-TRIMETHYLPENTANE	10.679	57	1992264	12.3767	PPBV		98
61)	1,4-DIOXANE	10.667	88	295490	11.9703	PPBV	#	88
62)	HEPTANE	11.021	43	764169	13.5917	PPBV		94
63)	METHYL METHACRYLATE	10.930	69	482843	13.7017	PPBV		92
64)	METHYL ISOBUTYL KETONE	11.786	58	392461	13.1014	PPBV	#	83
65)	cis-1,3-DICHLOROPROPENE	11.725	75	895059	13.0954	PPBV		92
66)	TOLUENE	12.955	92	853406	11.5104	PPBV		98
67)	1,3-DICHLOROPROPANE	13.004	76	799011	12.2496	PPBV	#	99
68)	trans-1,3-DICHLOROPROPENE	12.404	75	820148	13.0368	PPBV		94
69)	1,1,2-TRICHLOROETHANE	12.606	83	531421	11.8651	PPBV		95
71)	2-HEXANONE	13.352	58	565228	13.2145	PPBV		82
72)	ETHYL METHACRYLATE	13.383	69	832567	13.2939	PPBV		93
73)	TETRACHLOROETHYLENE	14.460	164	713567	12.0486	PPBV		84
74)	DIBROMOCHLOROMETHANE	13.505	129	1064490	11.0538	PPBV		99
75)	1,2-DIBROMOETHANE	13.817	107	904377	11.3254	PPBV		100
76)	OCTANE	14.325	43	1098704	13.7958	PPBV		94
77)	1,1,1,2-TETRACHLOROETHANE	15.383	131	683441	10.2786	PPBV		90
78)	CHLOROBENZENE	15.402	112	1173195	10.0509	PPBV		94
79)	ETHYLBENZENE	15.952	91	1995933	11.9399	PPBV		97
80)	m,p-XYLENE	16.228	106	1397327	22.0296	PPBV		92
81)	o-XYLENE	16.894	106	689056	11.1913	PPBV		92
82)	STYRENE	16.748	104	1070082	12.1172	PPBV		96
83)	NONANE	17.304	43	1142765	13.7498	PPBV		97
84)	BROMOFORM	16.289	173	1447121	14.6874	PPBV		99
86)	1,1,2,2-TETRACHLOROETHANE	16.901	83	1420053	11.4742	PPBV		99
87)	1,2,3-TRICHLOROPROPANE	17.090	75	999791	11.1883	PPBV		94
88)	ISOPROPYLBENZENE	17.812	105	2005084	10.5243	PPBV		96
89)	BROMOBENZENE	17.904	77	1178775	10.9547	PPBV		99
90)	2-CHLOROTOLUENE	18.546	126	478616	10.0267	PPBV		100
91)	n-PROPYLBENZENE	18.632	120	512163	10.6039	PPBV		100
92)	4-ETHYLTOLUENE	18.877	105	2023010	11.5050	PPBV		98
93)	1,3,5-TRIMETHYLBENZENE	19.005	105	1692790	11.2647	PPBV		97
94)	ALPHA-METHYLSTYRENE	19.256	118	799215	9.8526	PPBV		98
95)	tert-BUTYLBENZENE	19.611	134	342490	10.4388	PPBV		95
96)	1,2,4-TRIMETHYLBENZENE	19.623	105	1839909	11.6695	PPBV		98
97)	m-DICHLOROBENZENE	19.813	146	1324406	10.6681	PPBV		99
98)	BENZYL CHLORIDE	19.807	91	1867818	11.0371	PPBV		96
99)	p-DICHLOROBENZENE	19.917	146	1270477	10.9612	PPBV		99
100)	sec-BUTYLBENZENE	20.015	134	402854	10.2912	PPBV	#	85
101)	1,2,3-TRIMETHYLBENZENE	20.235	105	1789023	11.1722	PPBV	#	97
102)	p-ISOPROPYLTOLUENE	20.259	134	473759	10.2976	PPBV		95
103)	o-DICHLOROBENZENE	20.400	146	1198677	10.6362	PPBV		98
104)	n-BUTYLBENZENE	20.853	134	451413	10.6664	PPBV	#	76
105)	HEXACHLOROETHANE	21.318	117	916453	11.6169	PPBV	#	83
106)	HEXACHLOROBUTADIENE	23.361	225	1608418	15.1702	PPBV		100
107)	1,2,4-TRICHLOROBENZENE	23.214	180	1301197	12.9582	PPBV		96
108)	NAPHTHALENE	22.878	128	2226962	10.1034	PPBV		100
110)	TVHC as equiv Pentane	5.222	TIC	2569000	10.2713	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55703.D
Acq On : 17 Dec 2024 10:35 pm
Operator : thomash
Sample : bsd Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 18:33:56 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

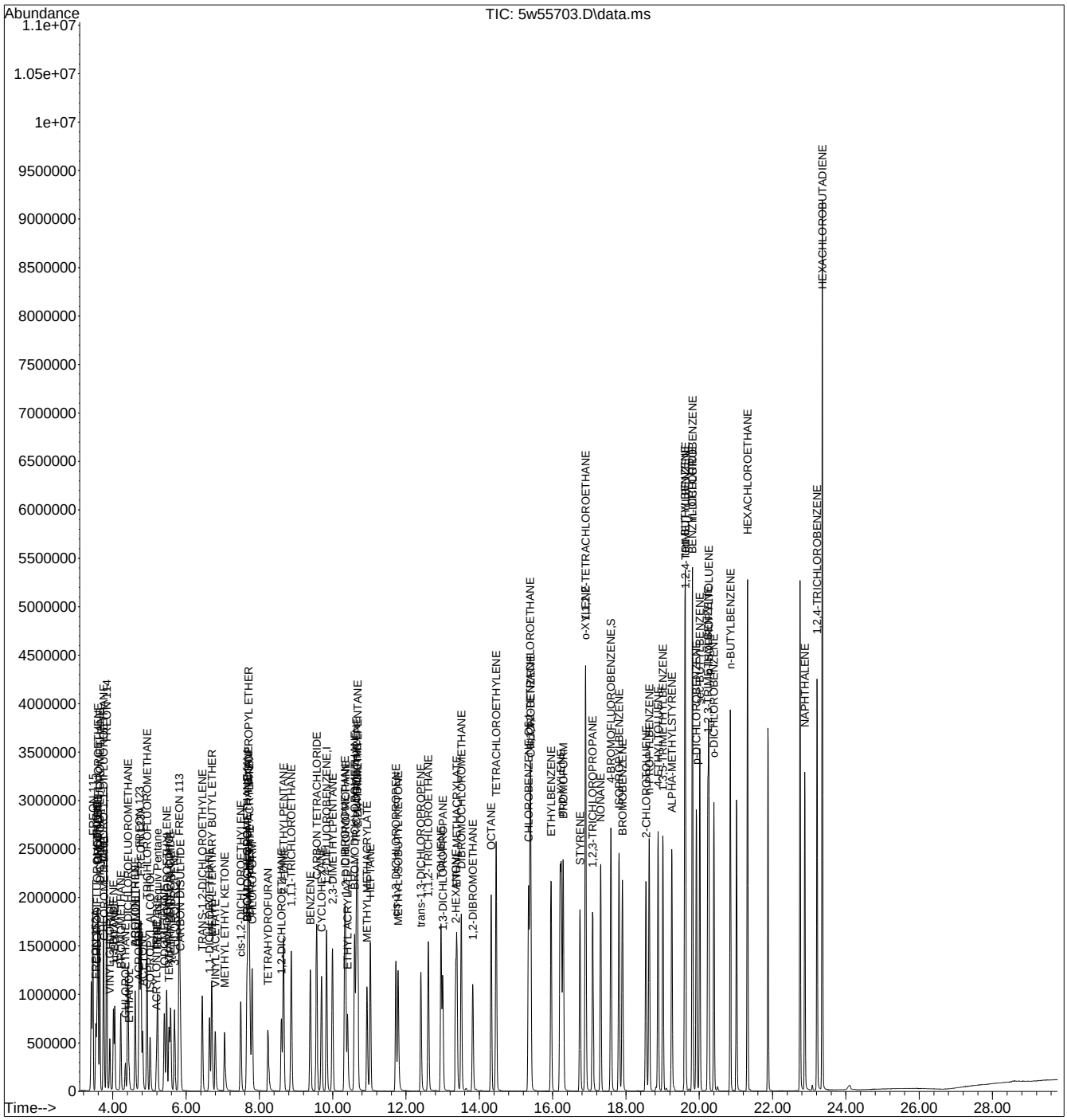
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55703.D
Acq On : 17 Dec 2024 10:35 pm
Operator : thomash
Sample : bsd Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 18:33:56 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55779.D
Acq On : 20 Dec 2024 1:55 pm
Operator : thomash
Sample : bs Inst : GCMS5W
Misc : MS88104,V5W2136,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 23 07:06:29 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.663	128	349857	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.829	114	1633756	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	15.341	82	962940	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.663	128	349857	10.00	PPBV	#	0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	17.586	95	1093279	10.15	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 101.50%				
Target Compounds							Qvalue
2) FREON 115	3.460	119	668446	13.9579	PPBV		96
3) FREON 152A	3.540	65	334393	12.9188	PPBV		98
4) CHLORODIFLUOROMETHANE	3.576	67	167162	12.4548	PPBV		99
5) CHLOROTRIFLUOROETHENE	3.601	116	693274	11.4443	PPBV		100
6) DICHLORODIFLUOROMETHANE	3.650	85	1525866	11.9346	PPBV		99
7) PROPYLENE	3.595	41	400344	12.4328	PPBV		100
8) 1-CHLORO-1,1-DIFLUOROE...	3.754	65	1228092	9.3800	PPBV		99
9) FREON 114	3.839	85	1400695	8.9315	PPBV		96
10) CHLOROMETHANE	3.766	52	129999	7.8848	PPBV	#	75
11) VINYL CHLORIDE	3.925	62	443987	7.6473	PPBV		99
12) 1,3-BUTADIENE	4.023	54	286476	7.3527	PPBV	#	82
13) n-BUTANE	4.060	43	581553	7.7808	PPBV		98
14) BROMOMETHANE	4.225	94	463147	7.5706	PPBV		99
15) CHLOROETHANE	4.347	64	196810	7.4182	PPBV		97
16) DICHLOROFLUOROMETHANE	4.414	67	1056181	8.0537	PPBV		98
17) ACETONITRILE	4.610	41	320467	7.4229	PPBV		98
18) ACROLEIN	4.708	56	148968	7.9018	PPBV		99
19) FREON 123	4.726	83	1088425	8.2464	PPBV		99
20) FREON 123A	4.769	117	603546	8.5999	PPBV		98
21) TRICHLOROFLUOROMETHANE	4.934	101	1293637	10.9490	PPBV		100
22) ISOPROPYL ALCOHOL	5.020	45	831155	11.1027	PPBV		99
23) ACETONE	4.812	58	168768	5.9810	PPBV	#	76
24) PENTANE	5.222	42	454972	12.2343	PPBV		98
25) IODOMETHANE	5.412	142	1294788	13.1364	PPBV		94
26) 1,1-DICHLOROETHYLENE	5.473	96	432726	11.8167	PPBV		99
27) CARBON DISULFIDE	5.846	76	1321614	12.4743	PPBV		99
28) ETHANOL	4.445	45	202750	7.3899	PPBV		97
29) BROMOETHENE	4.610	106	439306	8.4294	PPBV		98
30) ACRYLONITRILE	5.197	52	270767	9.2375	PPBV		99
31) METHYLENE CHLORIDE	5.583	84	404329	11.0187	PPBV		99
32) 3-CHLOROPROPENE	5.687	76	220115	13.0088	PPBV		98
33) FREON 113	5.809	151	798279	13.1117	PPBV		87
34) TRANS-1,2-DICHLOROETHY...	6.446	96	456547	11.7979	PPBV		99
35) TERTIARY BUTYL ALCOHOL	5.540	59	822785	11.6839	PPBV		98
36) METHYL TERTIARY BUTYL ...	6.702	73	1330725	13.4163	PPBV		98
37) TETRAHYDROFURAN	8.232	72	216466	14.2566	PPBV		100
38) HEXANE	7.694	57	662491	12.0855	PPBV		96
39) VINYL ACETATE	6.800	86	83207	13.2800	PPBV		96
40) 1,1-DICHLOROETHANE	6.641	63	873079	12.1394	PPBV		98
41) METHYL ETHYL KETONE	7.051	72	224723	14.8080	PPBV		98
42) cis-1,2-DICHLOROETHYLENE	7.492	96	488762	12.1723	PPBV		98
43) DIISOPROPYL ETHER	7.712	59	199164	11.9607	PPBV	#	89
44) ETHYL ACETATE	7.742	61	150677	13.4595	PPBV	#	99
45) METHYL ACRYLATE	7.724	55	847729	12.7210	PPBV		99
46) CHLOROFORM	7.804	83	1104554	12.2986	PPBV		99
47) 2,4-DIMETHYLPENTANE	8.654	57	775642	12.9382	PPBV		98
48) 1,1,1-TRICHLOROETHANE	8.868	97	1114918	12.2259	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55779.D
Acq On : 20 Dec 2024 1:55 pm
Operator : thomash
Sample : bs Inst : GCMS5W
Misc : MS88104,V5W2136,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 23 07:06:29 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
49)	CARBON TETRACHLORIDE	9.559	117	1197111	12.4207	PPBV		100
50)	1,2-DICHLOROETHANE	8.599	62	743486	12.7274	PPBV		99
52)	BENZENE	9.394	78	1466428	12.3836	PPBV		99
53)	CYCLOHEXANE	9.694	84	572471	12.8696	PPBV		98
54)	2,3-DIMETHYLPENTANE	9.994	71	306384	12.7574	PPBV		95
55)	TRICHLOROETHYLENE	10.642	95	675373	10.8184	PPBV		97
56)	1,2-DICHLOROPROPANE	10.355	63	544941	10.8418	PPBV		98
57)	DIBROMOMETHANE	10.330	174	840847	13.7592	PPBV		78
58)	ETHYL ACRYLATE	10.404	55	1048650	13.2257	PPBV		99
59)	BROMODICHLOROMETHANE	10.599	83	1271551	11.6639	PPBV		100
60)	2,2,4-TRIMETHYLPENTANE	10.679	57	2088781	11.6157	PPBV		99
61)	1,4-DIOXANE	10.661	88	319854	11.5987	PPBV	#	66
62)	HEPTANE	11.022	43	798745	12.7171	PPBV		98
63)	METHYL METHACRYLATE	10.930	69	528775	13.4318	PPBV		98
64)	METHYL ISOBUTYL KETONE	11.786	58	414066	12.3733	PPBV		89
65)	cis-1,3-DICHLOROPROPENE	11.725	75	983544	12.8812	PPBV		99
66)	TOLUENE	12.955	92	982519	11.8624	PPBV		99
67)	1,3-DICHLOROPROPANE	13.004	76	889736	12.2103	PPBV	#	100
68)	trans-1,3-DICHLOROPROPENE	12.404	75	892331	12.6969	PPBV		99
69)	1,1,2-TRICHLOROETHANE	12.606	83	577507	11.5421	PPBV		97
71)	2-HEXANONE	13.352	58	593592	13.0673	PPBV		89
72)	ETHYL METHACRYLATE	13.383	69	903808	13.5888	PPBV		99
73)	TETRACHLOROETHYLENE	14.460	164	827102	13.1502	PPBV		85
74)	DIBROMOCHLOROMETHANE	13.505	129	1193816	11.6729	PPBV		100
75)	1,2-DIBROMOETHANE	13.817	107	1016432	11.9855	PPBV		100
76)	OCTANE	14.325	43	1146209	13.5519	PPBV		97
77)	1,1,1,2-TETRACHLOROETHANE	15.383	131	775629	10.9840	PPBV		96
78)	CHLOROBENZENE	15.402	112	1336362	10.7803	PPBV		96
79)	ETHYLBENZENE	15.952	91	2245025	12.6458	PPBV		99
80)	m,p-XYLENE	16.228	106	1611726	23.9260	PPBV		99
81)	o-XYLENE	16.895	106	775717	11.8632	PPBV		98
82)	STYRENE	16.748	104	1254605	13.3772	PPBV		98
83)	NONANE	17.304	43	1181678	13.3878	PPBV		100
84)	BROMOFORM	16.283	173	1640813	15.6809	PPBV		99
86)	1,1,2,2-TETRACHLOROETHANE	16.901	83	1481393	11.2709	PPBV		100
87)	1,2,3-TRICHLOROPROPANE	17.090	75	1103313	11.6258	PPBV		96
88)	ISOPROPYLBENZENE	17.812	105	2333158	11.5312	PPBV		99
89)	BROMOBENZENE	17.904	77	1298672	11.3642	PPBV		91
90)	2-CHLOROTOLUENE	18.540	126	584497	11.5299	PPBV		99
91)	n-PROPYLBENZENE	18.632	120	617219	12.0329	PPBV		99
92)	4-ETHYLTOLUENE	18.877	105	2366258	12.6713	PPBV		99
93)	1,3,5-TRIMETHYLBENZENE	19.005	105	1966548	12.3223	PPBV		100
94)	ALPHA-METHYLSTYRENE	19.250	118	957803	11.1181	PPBV		98
95)	tert-BUTYLBENZENE	19.611	134	397102	11.3966	PPBV		99
96)	1,2,4-TRIMETHYLBENZENE	19.623	105	2041507	12.1921	PPBV		100
97)	m-DICHLOROBENZENE	19.813	146	1500735	11.3825	PPBV		96
98)	BENZYL CHLORIDE	19.807	91	1999548	11.1256	PPBV		99
99)	p-DICHLOROBENZENE	19.917	146	1504333	12.2209	PPBV		96
100)	sec-BUTYLBENZENE	20.015	134	488396	11.7480	PPBV		97
101)	1,2,3-TRIMETHYLBENZENE	20.235	105	2033388	11.9568	PPBV	#	99
102)	p-ISOPROPYLTOLUENE	20.259	134	552369	11.3052	PPBV		98
103)	o-DICHLOROBENZENE	20.400	146	1399709	11.6948	PPBV		96
104)	n-BUTYLBENZENE	20.853	134	551932	12.2801	PPBV		94
105)	HEXACHLOROETHANE	21.318	117	1028540	12.2764	PPBV	#	77
106)	HEXACHLOROBUTADIENE	23.361	225	2083553	18.5041	PPBV		99
107)	1,2,4-TRICHLOROBENZENE	23.214	180	1784426	16.7328	PPBV		94
108)	NAPHTHALENE	22.878	128	2875261	12.2830	PPBV		100
110)	TVHC as equiv Pentane	5.222	TIC	2905168	10.6072	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55779.D
Acq On : 20 Dec 2024 1:55 pm
Operator : thomash
Sample : bs Inst : GCMS5W
Misc : MS88104,V5W2136,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 23 07:06:29 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

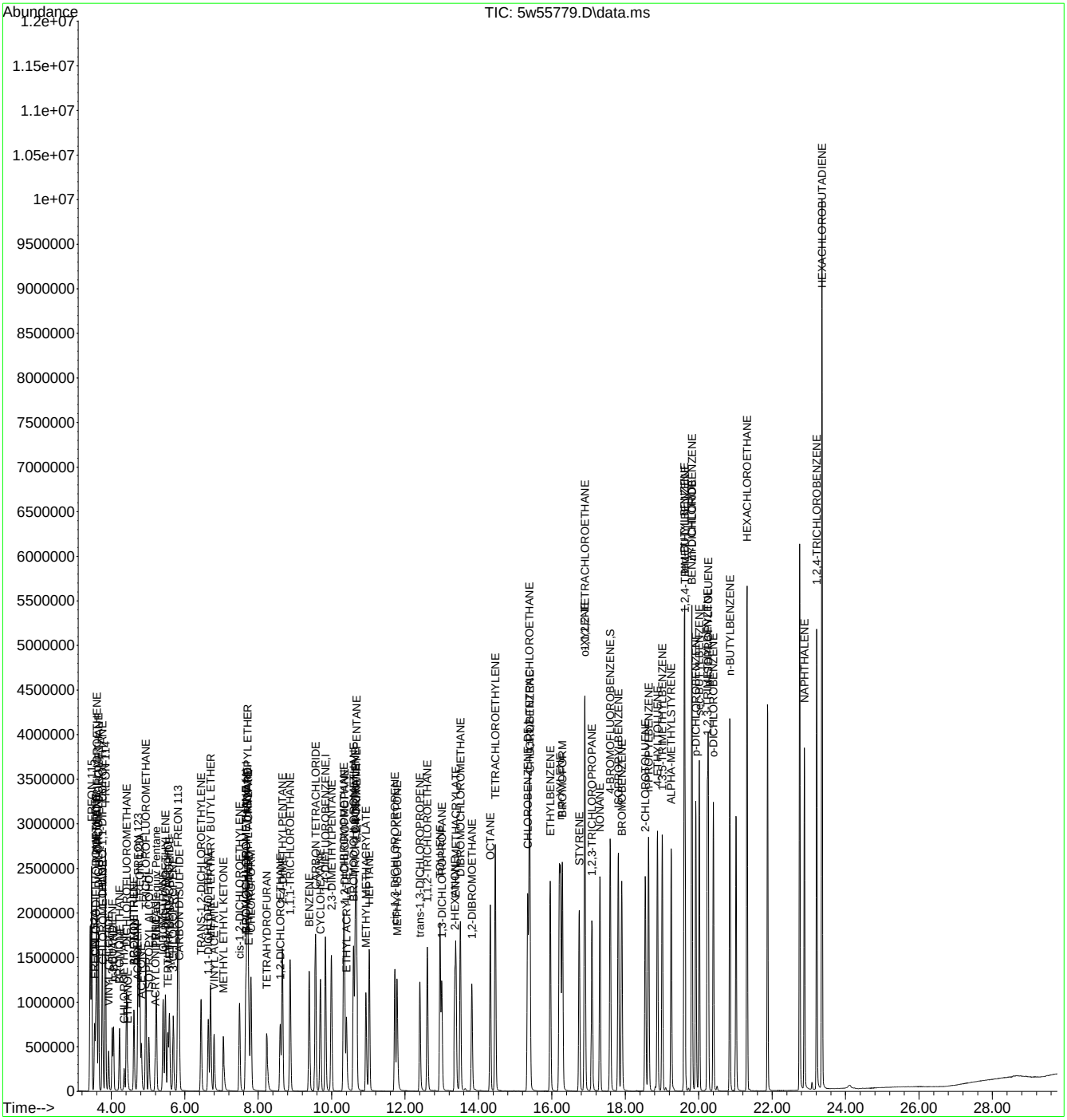
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55779.D
Acq On : 20 Dec 2024 1:55 pm
Operator : thomash
Sample : bs Inst : GCMS5W
Misc : MS88104,V5W2136,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 23 07:06:29 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55781.D
Acq On : 20 Dec 2024 3:34 pm
Operator : thomash
Sample : bsd Inst : GCMS5W
Misc : MS88104,V5W2136,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 23 07:07:13 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.663	128	369460	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.829	114	1679765	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	15.341	82	969387	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.663	128	369460	10.00	PPBV	#	0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	17.586	95	1076805	9.93	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 99.30%				
Target Compounds							Qvalue
2) FREON 115	3.466	119	652179	12.8956	PPBV		96
3) FREON 152A	3.546	65	330096	12.0761	PPBV		98
4) CHLORODIFLUOROMETHANE	3.576	67	165064	11.6459	PPBV		100
5) CHLOROTRIFLUOROETHENE	3.607	116	680233	10.6332	PPBV		99
6) DICHLORODIFLUOROMETHANE	3.656	85	1512526	11.2025	PPBV		99
7) PROPYLENE	3.601	41	393441	11.5701	PPBV		99
8) 1-CHLORO-1,1-DIFLUOROE...	3.760	65	1215798	8.7934	PPBV		99
9) FREON 114	3.845	85	1400828	8.4584	PPBV		96
10) CHLOROMETHANE	3.772	52	129040	7.4113	PPBV	#	66
11) VINYL CHLORIDE	3.931	62	444406	7.2483	PPBV		98
12) 1,3-BUTADIENE	4.029	54	286639	6.9665	PPBV		83
13) n-BUTANE	4.066	43	569571	7.2162	PPBV		98
14) BROMOMETHANE	4.231	94	463485	7.1741	PPBV		99
15) CHLOROETHANE	4.353	64	195048	6.9617	PPBV		97
16) DICHLOROFLUOROMETHANE	4.421	67	1046503	7.5565	PPBV		98
17) ACETONITRILE	4.616	41	311756	6.8380	PPBV		98
18) ACROLEIN	4.714	56	147358	7.4017	PPBV		100
19) FREON 123	4.733	83	1087109	7.7994	PPBV		99
20) FREON 123A	4.775	117	602804	8.1336	PPBV		99
21) TRICHLOROFLUOROMETHANE	4.941	101	1341767	10.7538	PPBV		100
22) ISOPROPYL ALCOHOL	5.026	45	872525	11.0369	PPBV		100
23) ACETONE	4.818	58	174504	5.8562	PPBV	#	81
24) PENTANE	5.228	42	475533	12.1087	PPBV		97
25) IODOMETHANE	5.418	142	1422146	13.6629	PPBV		92
26) 1,1-DICHLOROETHYLENE	5.479	96	468088	12.1042	PPBV		96
27) CARBON DISULFIDE	5.852	76	1408204	12.5864	PPBV		98
28) ETHANOL	4.451	45	193277	6.6708	PPBV		98
29) BROMOETHENE	4.616	106	440847	8.0102	PPBV		98
30) ACRYLONITRILE	5.197	52	288473	9.3193	PPBV		100
31) METHYLENE CHLORIDE	5.589	84	433740	11.1930	PPBV		96
32) 3-CHLOROPROPENE	5.693	76	234311	13.1131	PPBV		95
33) FREON 113	5.815	151	856373	13.3195	PPBV		86
34) TRANS-1,2-DICHLOROETHY...	6.446	96	483767	11.8380	PPBV		99
35) TERTIARY BUTYL ALCOHOL	5.540	59	857174	11.5264	PPBV		98
36) METHYL TERTIARY BUTYL ...	6.702	73	1396778	13.3351	PPBV		98
37) TETRAHYDROFURAN	8.232	72	224810	14.0206	PPBV		99
38) HEXANE	7.700	57	691663	11.9482	PPBV		98
39) VINYL ACETATE	6.800	86	91003	13.7536	PPBV	#	86
40) 1,1-DICHLOROETHANE	6.647	63	898409	11.8288	PPBV		98
41) METHYL ETHYL KETONE	7.051	72	237750	14.8352	PPBV		98
42) cis-1,2-DICHLOROETHYLENE	7.492	96	513245	12.1038	PPBV		100
43) DIISOPROPYL ETHER	7.712	59	207810	11.8178	PPBV		93
44) ETHYL ACETATE	7.749	61	159126	13.4600	PPBV	#	98
45) METHYL ACRYLATE	7.730	55	877087	12.4632	PPBV		99
46) CHLOROFORM	7.810	83	1144043	12.0624	PPBV		99
47) 2,4-DIMETHYLPENTANE	8.660	57	806062	12.7323	PPBV		98
48) 1,1,1-TRICHLOROETHANE	8.874	97	1140597	11.8439	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55781.D
Acq On : 20 Dec 2024 3:34 pm
Operator : thomash
Sample : bsd Inst : GCMS5W
Misc : MS88104,V5W2136,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 23 07:07:13 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
49)	CARBON TETRACHLORIDE	9.559	117	1232433	12.1088	PPBV		100
50)	1,2-DICHLOROETHANE	8.599	62	750596	12.1674	PPBV		99
52)	BENZENE	9.394	78	1524034	12.5175	PPBV		99
53)	CYCLOHEXANE	9.694	84	601732	13.1569	PPBV		97
54)	2,3-DIMETHYLPENTANE	9.994	71	318311	12.8910	PPBV		92
55)	TRICHLOROETHYLENE	10.648	95	697398	10.8652	PPBV		98
56)	1,2-DICHLOROPROPANE	10.355	63	553647	10.7133	PPBV		97
57)	DIBROMOMETHANE	10.330	174	878899	13.9880	PPBV		78
58)	ETHYL ACRYLATE	10.404	55	1076397	13.2038	PPBV		100
59)	BROMODICHLOROMETHANE	10.599	83	1302635	11.6218	PPBV		99
60)	2,2,4-TRIMETHYLPENTANE	10.679	57	2159376	11.6794	PPBV		99
61)	1,4-DIOXANE	10.667	88	332292	11.7197	PPBV		95
62)	HEPTANE	11.028	43	812411	12.5804	PPBV		98
63)	METHYL METHACRYLATE	10.930	69	547979	13.5383	PPBV		97
64)	METHYL ISOBUTYL KETONE	11.786	58	433216	12.5909	PPBV		92
65)	cis-1,3-DICHLOROPROPENE	11.725	75	1013809	12.9139	PPBV		99
66)	TOLUENE	12.955	92	1007513	11.8309	PPBV		99
67)	1,3-DICHLOROPROPANE	13.004	76	906658	12.1017	PPBV	#	99
68)	trans-1,3-DICHLOROPROPENE	12.404	75	913108	12.6367	PPBV		98
69)	1,1,2-TRICHLOROETHANE	12.606	83	595375	11.5733	PPBV		97
71)	2-HEXANONE	13.352	58	614674	13.4414	PPBV		91
72)	ETHYL METHACRYLATE	13.383	69	929643	13.8842	PPBV		99
73)	TETRACHLOROETHYLENE	14.460	164	847441	13.3840	PPBV		84
74)	DIBROMOCHLOROMETHANE	13.505	129	1236879	12.0136	PPBV		100
75)	1,2-DIBROMOETHANE	13.817	107	1042952	12.2164	PPBV		100
76)	OCTANE	14.325	43	1171200	13.7553	PPBV		98
77)	1,1,1,2-TETRACHLOROETHANE	15.383	131	785180	11.0453	PPBV		96
78)	CHLOROBENZENE	15.402	112	1362723	10.9199	PPBV		97
79)	ETHYLBENZENE	15.952	91	2284677	12.7835	PPBV		99
80)	m,p-XYLENE	16.228	106	1642770	24.2247	PPBV		98
81)	o-XYLENE	16.895	106	782182	11.8825	PPBV		98
82)	STYRENE	16.748	104	1268317	13.4334	PPBV		98
83)	NONANE	17.304	43	1183154	13.3154	PPBV		100
84)	BROMOFORM	16.289	173	1672241	15.8749	PPBV		99
86)	1,1,2,2-TETRACHLOROETHANE	16.901	83	1494937	11.2983	PPBV		100
87)	1,2,3-TRICHLOROPROPANE	17.090	75	1110452	11.6232	PPBV		97
88)	ISOPROPYLBENZENE	17.812	105	2329406	11.4361	PPBV		98
89)	BROMOBENZENE	17.904	77	1293238	11.2414	PPBV		91
90)	2-CHLOROTOLUENE	18.540	126	574317	11.2537	PPBV		100
91)	n-PROPYLBENZENE	18.632	120	610319	11.8192	PPBV		100
92)	4-ETHYLTOLUENE	18.877	105	2332909	12.4097	PPBV		100
93)	1,3,5-TRIMETHYLBENZENE	19.005	105	1934586	12.0414	PPBV		99
94)	ALPHA-METHYLSTYRENE	19.250	118	930336	10.7275	PPBV		98
95)	tert-BUTYLBENZENE	19.611	134	389480	11.1035	PPBV		99
96)	1,2,4-TRIMETHYLBENZENE	19.623	105	2006133	11.9012	PPBV		100
97)	m-DICHLOROBENZENE	19.813	146	1467435	11.0560	PPBV		96
98)	BENZYL CHLORIDE	19.807	91	1973103	10.9055	PPBV		98
99)	p-DICHLOROBENZENE	19.917	146	1461296	11.7924	PPBV		96
100)	sec-BUTYLBENZENE	20.015	134	471924	11.2763	PPBV		95
101)	1,2,3-TRIMETHYLBENZENE	20.235	105	1961083	11.4549	PPBV	#	99
102)	p-ISOPROPYLTOLUENE	20.259	134	537464	10.9270	PPBV		97
103)	o-DICHLOROBENZENE	20.400	146	1348451	11.1916	PPBV		96
104)	n-BUTYLBENZENE	20.853	134	525823	11.6214	PPBV		92
105)	HEXACHLOROETHANE	21.318	117	997211	11.8233	PPBV	#	78
106)	HEXACHLOROBUTADIENE	23.361	225	1925601	16.9876	PPBV		99
107)	1,2,4-TRICHLOROBENZENE	23.214	180	1612506	15.0202	PPBV		95
108)	NAPHTHALENE	22.878	128	2659668	11.2864	PPBV		100
110)	TVHC as equiv Pentane	5.228	TIC	3050934	10.5484	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55781.D
Acq On : 20 Dec 2024 3:34 pm
Operator : thomash
Sample : bsd Inst : GCMS5W
Misc : MS88104,V5W2136,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 23 07:07:13 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

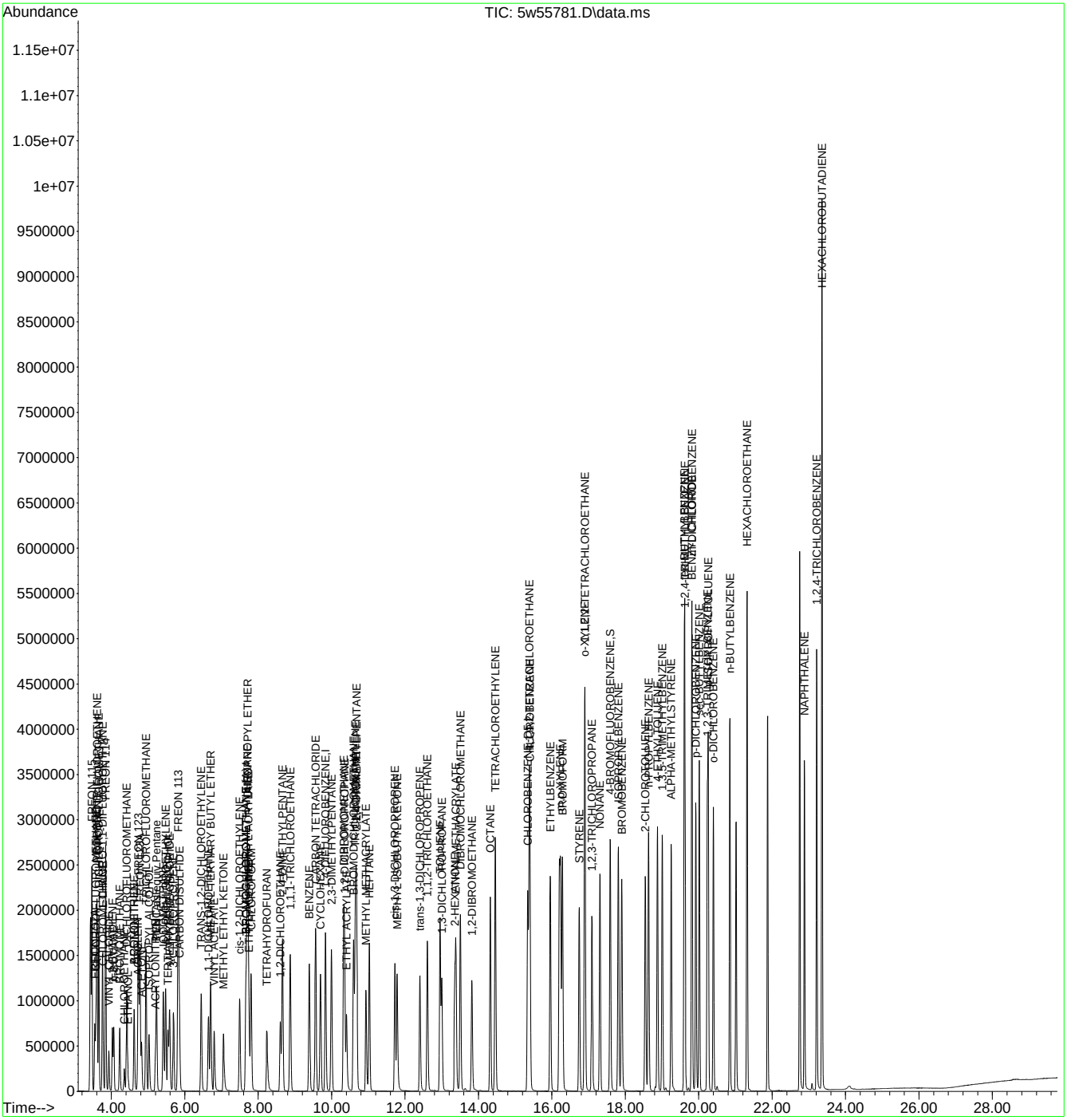
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55781.D
Acq On : 20 Dec 2024 3:34 pm
Operator : thomash
Sample : bsd Inst : GCMS5W
Misc : MS88104,V5W2136,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 23 07:07:13 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55820.D
Acq On : 23 Dec 2024 10:07 am
Operator : thomash
Sample : bs Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 24 04:40:30 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.663	128	261510	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.828	114	1220164	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	15.340	82	739045	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.663	128	261510	10.00	PPBV	#	0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	17.586	95	836030	10.11	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 101.10%				
Target Compounds							Qvalue
2) FREON 115	3.460	119	435542	12.1670	PPBV		92
3) FREON 152A	3.546	65	206251	10.6601	PPBV		96
4) CHLORODIFLUOROMETHANE	3.576	67	115623	11.5251	PPBV		98
5) CHLOROTRIFLUOROETHENE	3.607	116	448626	9.9077	PPBV		99
6) DICHLORODIFLUOROMETHANE	3.650	85	1068770	11.1835	PPBV		99
7) PROPYLENE	3.601	41	255077	10.5976	PPBV		99
8) 1-CHLORO-1,1-DIFLUOROE...	3.754	65	1110212	11.3443	PPBV		99
9) FREON 114	3.839	85	1395849	11.9075	PPBV		97
10) CHLOROMETHANE	3.772	52	121755	9.8796	PPBV	#	75
11) VINYL CHLORIDE	3.931	62	474344	10.9303	PPBV		99
12) 1,3-BUTADIENE	4.029	54	314422	10.7962	PPBV		90
13) n-BUTANE	4.059	43	614499	10.9991	PPBV		98
14) BROMOMETHANE	4.225	94	473815	10.3614	PPBV		99
15) CHLOROETHANE	4.353	64	209045	10.5413	PPBV		99
16) DICHLOROFLUOROMETHANE	4.414	67	1075661	10.9733	PPBV		99
17) ACETONITRILE	4.616	41	337949	10.4724	PPBV		99
18) ACROLEIN	4.708	56	158913	11.2771	PPBV		99
19) FREON 123	4.726	83	1099754	11.1472	PPBV		99
20) FREON 123A	4.775	117	583898	11.1307	PPBV		92
21) TRICHLOROFLUOROMETHANE	4.940	101	979961	11.0962	PPBV		100
22) ISOPROPYL ALCOHOL	5.026	45	584169	10.4397	PPBV		99
23) ACETONE	4.818	58	174923	8.2934	PPBV		93
24) PENTANE	5.228	42	305706	10.9976	PPBV		98
25) IODOMETHANE	5.411	142	929996	12.6229	PPBV		94
26) 1,1-DICHLOROETHYLENE	5.479	96	295468	10.7944	PPBV		99
27) CARBON DISULFIDE	5.846	76	900076	11.3656	PPBV		97
28) ETHANOL	4.451	45	219548	10.7055	PPBV		98
29) BROMOETHENE	4.616	106	436004	11.1924	PPBV		99
30) ACRYLONITRILE	5.197	52	184650	8.4277	PPBV		99
31) METHYLENE CHLORIDE	5.583	84	280229	10.2167	PPBV		99
32) 3-CHLOROPROPENE	5.687	76	146539	11.5863	PPBV		96
33) FREON 113	5.815	151	584172	12.8365	PPBV		84
34) TRANS-1,2-DICHLOROETHY...	6.445	96	304959	10.5430	PPBV		100
35) TERTIARY BUTYL ALCOHOL	5.540	59	575995	10.9427	PPBV		97
36) METHYL TERTIARY BUTYL ...	6.702	73	907918	12.2460	PPBV		98
37) TETRAHYDROFURAN	8.232	72	145513	12.8213	PPBV		99
38) HEXANE	7.699	57	454860	11.1011	PPBV		90
39) VINYL ACETATE	6.800	86	55543	11.8596	PPBV		95
40) 1,1-DICHLOROETHANE	6.641	63	591602	11.0046	PPBV		99
41) METHYL ETHYL KETONE	7.051	72	152312	13.4272	PPBV		96
42) cis-1,2-DICHLOROETHYLENE	7.491	96	329425	10.9757	PPBV		99
43) DIISOPROPYL ETHER	7.706	59	142775	11.4710	PPBV		95
44) ETHYL ACETATE	7.742	61	102628	12.2645	PPBV	#	38
45) METHYL ACRYLATE	7.724	55	584502	11.7341	PPBV		99
46) CHLOROFORM	7.803	83	767097	11.4267	PPBV		99
47) 2,4-DIMETHYLPENTANE	8.654	57	522441	11.6588	PPBV		98
48) 1,1,1-TRICHLOROETHANE	8.868	97	768664	11.2766	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55820.D
Acq On : 23 Dec 2024 10:07 am
Operator : thomash
Sample : bs Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 24 04:40:30 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
49)	CARBON TETRACHLORIDE	9.559	117	826856	11.4774	PPBV		99
50)	1,2-DICHLOROETHANE	8.599	62	528775	12.1099	PPBV		98
52)	BENZENE	9.394	78	999972	11.3069	PPBV		99
53)	CYCLOHEXANE	9.694	84	395809	11.9143	PPBV		96
54)	2,3-DIMETHYLPENTANE	9.994	71	209669	11.6896	PPBV		94
55)	TRICHLOROETHYLENE	10.642	95	479539	10.2852	PPBV		96
56)	1,2-DICHLOROPROPANE	10.355	63	379577	10.1116	PPBV		97
57)	DIBROMOMETHANE	10.324	174	613084	13.4328	PPBV		78
58)	ETHYL ACRYLATE	10.403	55	713058	12.0415	PPBV		100
59)	BROMODICHLOROMETHANE	10.599	83	902814	11.0886	PPBV		99
60)	2,2,4-TRIMETHYLPENTANE	10.679	57	1456334	10.8438	PPBV		98
61)	1,4-DIOXANE	10.660	88	226125	10.9793	PPBV	#	75
62)	HEPTANE	11.021	43	559547	11.9285	PPBV		97
63)	METHYL METHACRYLATE	10.930	69	370058	12.5864	PPBV		98
64)	METHYL ISOBUTYL KETONE	11.786	58	295122	11.8083	PPBV		91
65)	cis-1,3-DICHLOROPROPENE	11.725	75	683916	11.9931	PPBV		95
66)	TOLUENE	12.955	92	684307	11.0624	PPBV		99
67)	1,3-DICHLOROPROPANE	12.997	76	618417	11.3636	PPBV	#	99
68)	trans-1,3-DICHLOROPROPENE	12.398	75	622875	11.8671	PPBV		97
69)	1,1,2-TRICHLOROETHANE	12.606	83	407784	10.9126	PPBV		97
71)	2-HEXANONE	13.352	58	429260	12.3125	PPBV		91
72)	ETHYL METHACRYLATE	13.383	69	646480	12.6645	PPBV		98
73)	TETRACHLOROETHYLENE	14.460	164	624535	12.9377	PPBV		80
74)	DIBROMOCHLOROMETHANE	13.505	129	853319	10.8713	PPBV		100
75)	1,2-DIBROMOETHANE	13.817	107	711606	10.9331	PPBV		100
76)	OCTANE	14.319	43	816104	12.5722	PPBV		96
77)	1,1,1,2-TETRACHLOROETHANE	15.383	131	546604	10.0857	PPBV		94
78)	CHLOROBENZENE	15.402	112	943953	9.9217	PPBV		96
79)	ETHYLBENZENE	15.952	91	1578139	11.5824	PPBV		99
80)	m,p-XYLENE	16.228	106	1160738	22.4513	PPBV		97
81)	o-XYLENE	16.894	106	570900	11.3759	PPBV		97
82)	STYRENE	16.748	104	881254	12.2430	PPBV		98
83)	NONANE	17.304	43	855635	12.6307	PPBV		100
84)	BROMOFORM	16.283	173	1244331	15.4944	PPBV		98
86)	1,1,2,2-TETRACHLOROETHANE	16.900	83	1091266	10.8180	PPBV		99
87)	1,2,3-TRICHLOROPROPANE	17.090	75	772534	10.6065	PPBV		96
88)	ISOPROPYLBENZENE	17.806	105	1663712	10.7137	PPBV		98
89)	BROMOBENZENE	17.898	77	908292	10.3561	PPBV		87
90)	2-CHLOROTOLUENE	18.540	126	404822	10.4048	PPBV		99
91)	n-PROPYLBENZENE	18.632	120	438991	11.1510	PPBV		99
92)	4-ETHYLTOLUENE	18.870	105	1699251	11.8562	PPBV		99
93)	1,3,5-TRIMETHYLBENZENE	19.005	105	1427244	11.6524	PPBV		99
94)	ALPHA-METHYLSTYRENE	19.250	118	689616	10.4302	PPBV		98
95)	tert-BUTYLBENZENE	19.611	134	310532	11.6120	PPBV		96
96)	1,2,4-TRIMETHYLBENZENE	19.623	105	1559354	12.1339	PPBV		100
97)	m-DICHLOROBENZENE	19.813	146	1162992	11.4932	PPBV		96
98)	BENZYL CHLORIDE	19.806	91	1518557	11.0091	PPBV		98
99)	p-DICHLOROBENZENE	19.917	146	1130128	11.9623	PPBV		96
100)	sec-BUTYLBENZENE	20.014	134	371490	11.6430	PPBV		99
101)	1,2,3-TRIMETHYLBENZENE	20.229	105	1526287	11.6939	PPBV	#	99
102)	p-ISOPROPYLTOLUENE	20.259	134	432133	11.5238	PPBV		97
103)	o-DICHLOROBENZENE	20.400	146	1057891	11.5166	PPBV		96
104)	n-BUTYLBENZENE	20.846	134	421124	12.2083	PPBV		96
105)	HEXACHLOROETHANE	21.311	117	797963	12.4097	PPBV	#	75
106)	HEXACHLOROBUTADIENE	23.251	225	1735482	20.0822	PPBV		99
107)	1,2,4-TRICHLOROBENZENE	23.116	180	1444730	17.6517	PPBV		96
108)	NAPHTHALENE	22.798	128	2169419	12.0753	PPBV		100
110)	TVHC as equiv Pentane	5.228	TIC	1999126	9.7650	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55820.D
Acq On : 23 Dec 2024 10:07 am
Operator : thomash
Sample : bs Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 24 04:40:30 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

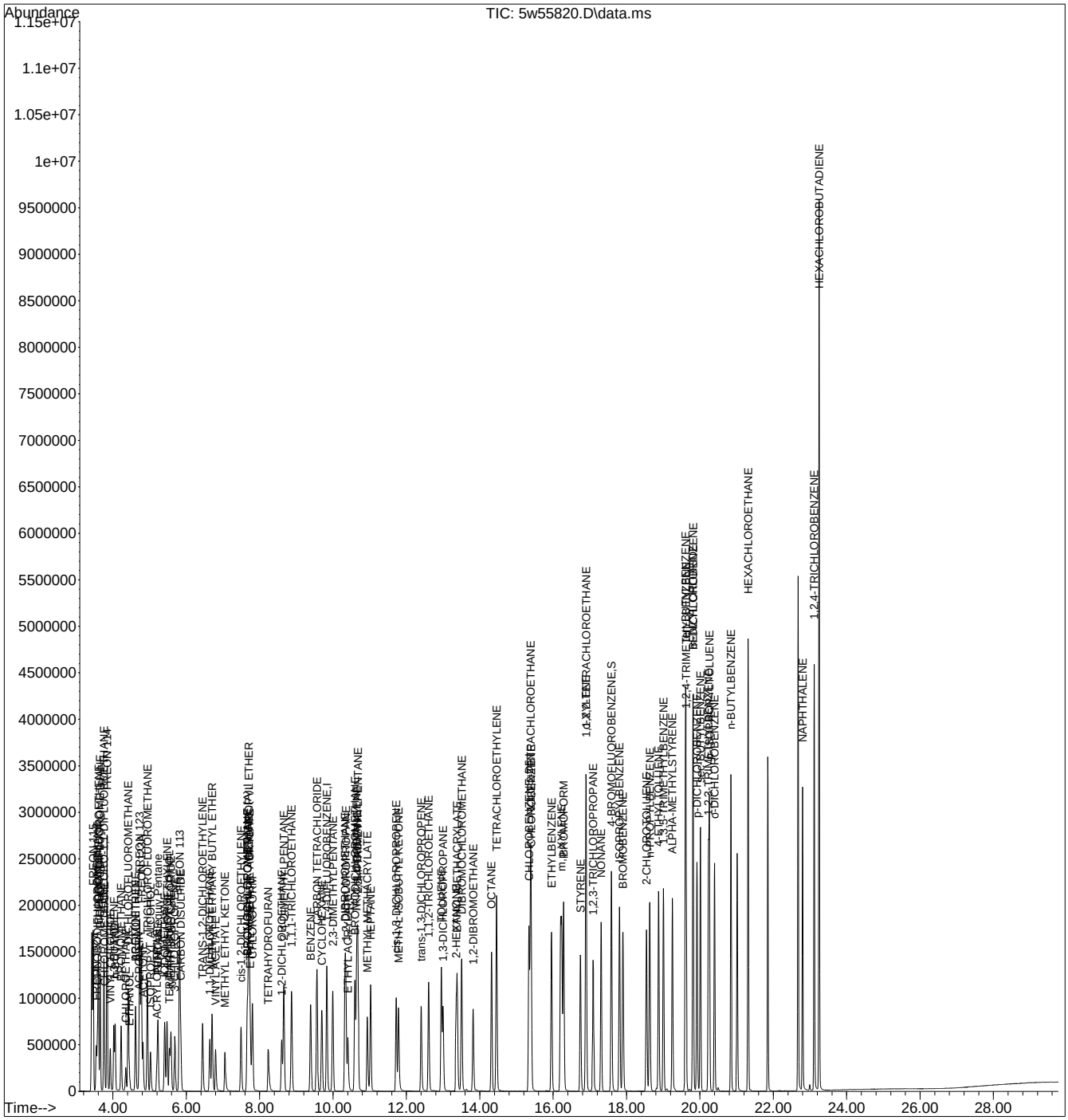
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55820.D
Acq On : 23 Dec 2024 10:07 am
Operator : thomash
Sample : bs Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 24 04:40:30 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55821.D
Acq On : 23 Dec 2024 11:17 am
Operator : thomash
Sample : bsd Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 24 04:40:56 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.663	128	260595	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.829	114	1218483	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	15.341	82	736456	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.663	128	260595	10.00	PPBV	#	0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	17.586	95	821814	9.97	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 99.70%				
Target Compounds							Qvalue
2) FREON 115	3.466	119	449247	12.5939	PPBV		93
3) FREON 152A	3.546	65	217658	11.2892	PPBV		97
4) CHLORODIFLUOROMETHANE	3.576	67	120188	12.0222	PPBV		100
5) CHLOROTRIFLUOROETHENE	3.607	116	469888	10.4137	PPBV		99
6) DICHLORODIFLUOROMETHANE	3.656	85	1112978	11.6870	PPBV		100
7) PROPYLENE	3.601	41	264221	11.0160	PPBV		98
8) 1-CHLORO-1,1-DIFLUOROE...	3.754	65	1147260	11.7641	PPBV		99
9) FREON 114	3.839	85	1434228	12.2779	PPBV		97
10) CHLOROMETHANE	3.772	52	128640	10.4749	PPBV	#	85
11) VINYL CHLORIDE	3.931	62	488468	11.2953	PPBV		99
12) 1,3-BUTADIENE	4.029	54	323570	11.1494	PPBV		89
13) n-BUTANE	4.066	43	634013	11.3883	PPBV		99
14) BROMOMETHANE	4.231	94	482246	10.5828	PPBV		99
15) CHLOROETHANE	4.353	64	214284	10.8434	PPBV		98
16) DICHLOROFLUOROMETHANE	4.421	67	1100649	11.2676	PPBV		99
17) ACETONITRILE	4.616	41	348841	10.8478	PPBV		99
18) ACROLEIN	4.714	56	160344	11.4186	PPBV		98
19) FREON 123	4.733	83	1129119	11.4850	PPBV		99
20) FREON 123A	4.775	117	597237	11.4250	PPBV		91
21) TRICHLOROFLUOROMETHANE	4.941	101	1007977	11.4535	PPBV		100
22) ISOPROPYL ALCOHOL	5.026	45	602862	10.8116	PPBV		98
23) ACETONE	4.818	58	177842	8.4614	PPBV		89
24) PENTANE	5.228	42	318079	11.4829	PPBV		97
25) IODOMETHANE	5.418	142	940571	12.8113	PPBV		95
26) 1,1-DICHLOROETHYLENE	5.479	96	301140	11.0402	PPBV		100
27) CARBON DISULFIDE	5.846	76	918708	11.6416	PPBV		97
28) ETHANOL	4.451	45	231068	11.3068	PPBV		99
29) BROMOETHENE	4.616	106	443163	11.4161	PPBV		98
30) ACRYLONITRILE	5.197	52	188676	8.6417	PPBV		99
31) METHYLENE CHLORIDE	5.589	84	282870	10.3492	PPBV		99
32) 3-CHLOROPROPENE	5.693	76	151425	12.0146	PPBV		96
33) FREON 113	5.815	151	593594	13.0893	PPBV		84
34) TRANS-1,2-DICHLOROETHY...	6.445	96	309546	10.7391	PPBV		99
35) TERTIARY BUTYL ALCOHOL	5.540	59	588972	11.2285	PPBV		97
36) METHYL TERTIARY BUTYL ...	6.702	73	924243	12.5099	PPBV		98
37) TETRAHYDROFURAN	8.238	72	148865	13.1627	PPBV		98
38) HEXANE	7.700	57	464407	11.3739	PPBV		89
39) VINYL ACETATE	6.800	86	57228	12.2623	PPBV		98
40) 1,1-DICHLOROETHANE	6.647	63	606542	11.3221	PPBV		99
41) METHYL ETHYL KETONE	7.051	72	153117	13.5456	PPBV		91
42) cis-1,2-DICHLOROETHYLENE	7.492	96	334930	11.1983	PPBV		99
43) DIISOPROPYL ETHER	7.712	59	146643	11.8231	PPBV		96
44) ETHYL ACETATE	7.742	61	105256	12.6227	PPBV	#	98
45) METHYL ACRYLATE	7.724	55	594885	11.9845	PPBV		100
46) CHLOROFORM	7.804	83	776162	11.6023	PPBV		98
47) 2,4-DIMETHYLPENTANE	8.654	57	531550	11.9037	PPBV		98
48) 1,1,1-TRICHLOROETHANE	8.868	97	780498	11.4904	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55821.D
Acq On : 23 Dec 2024 11:17 am
Operator : thomash
Sample : bsd Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 24 04:40:56 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
49)	CARBON TETRACHLORIDE	9.559	117	837796	11.6701	PPBV		100
50)	1,2-DICHLOROETHANE	8.599	62	539227	12.3926	PPBV		98
52)	BENZENE	9.394	78	1003786	11.3656	PPBV		99
53)	CYCLOHEXANE	9.694	84	399516	12.0424	PPBV		97
54)	2,3-DIMETHYLPENTANE	9.994	71	210768	11.7671	PPBV		96
55)	TRICHLOROETHYLENE	10.642	95	486023	10.4386	PPBV		96
56)	1,2-DICHLOROPROPANE	10.355	63	386594	10.3128	PPBV		97
57)	DIBROMOMETHANE	10.324	174	618370	13.5673	PPBV		78
58)	ETHYL ACRYLATE	10.404	55	724833	12.2573	PPBV		99
59)	BROMODICHLOROMETHANE	10.599	83	912837	11.2272	PPBV		99
60)	2,2,4-TRIMETHYLPENTANE	10.679	57	1481841	11.0490	PPBV		98
61)	1,4-DIOXANE	10.661	88	230304	11.1977	PPBV	#	69
62)	HEPTANE	11.022	43	571625	12.2028	PPBV		97
63)	METHYL METHACRYLATE	10.930	69	373765	12.7300	PPBV		99
64)	METHYL ISOBUTYL KETONE	11.780	58	300871	12.0549	PPBV		91
65)	cis-1,3-DICHLOROPROPENE	11.725	75	694724	12.1995	PPBV		95
66)	TOLUENE	12.955	92	695165	11.2535	PPBV		99
67)	1,3-DICHLOROPROPANE	12.998	76	626759	11.5328	PPBV	#	99
68)	trans-1,3-DICHLOROPROPENE	12.398	75	629861	12.0167	PPBV		96
69)	1,1,2-TRICHLOROETHANE	12.606	83	408547	10.9481	PPBV		97
71)	2-HEXANONE	13.352	58	433718	12.4841	PPBV		90
72)	ETHYL METHACRYLATE	13.383	69	649699	12.7723	PPBV		97
73)	TETRACHLOROETHYLENE	14.460	164	628041	13.0561	PPBV		80
74)	DIBROMOCHLOROMETHANE	13.505	129	864792	11.0562	PPBV		99
75)	1,2-DIBROMOETHANE	13.817	107	720274	11.1052	PPBV		100
76)	OCTANE	14.319	43	827456	12.7918	PPBV		97
77)	1,1,1,2-TETRACHLOROETHANE	15.383	131	554894	10.2747	PPBV		94
78)	CHLOROBENZENE	15.402	112	957513	10.0996	PPBV		96
79)	ETHYLBENZENE	15.952	91	1595928	11.7541	PPBV		99
80)	m,p-XYLENE	16.228	106	1172853	22.7654	PPBV		98
81)	o-XYLENE	16.895	106	573106	11.4600	PPBV		97
82)	STYRENE	16.742	104	890827	12.4195	PPBV		98
83)	NONANE	17.304	43	870573	12.8964	PPBV		100
84)	BROMOFORM	16.283	173	1256261	15.6980	PPBV		98
86)	1,1,2,2-TETRACHLOROETHANE	16.901	83	1106434	11.0070	PPBV		99
87)	1,2,3-TRICHLOROPROPANE	17.090	75	776868	10.7035	PPBV		96
88)	ISOPROPYLBENZENE	17.806	105	1675508	10.8276	PPBV		98
89)	BROMOBENZENE	17.904	77	921247	10.5407	PPBV		88
90)	2-CHLOROTOLUENE	18.540	126	406945	10.4962	PPBV		99
91)	n-PROPYLBENZENE	18.632	120	439908	11.2136	PPBV		100
92)	4-ETHYLTOLUENE	18.871	105	1717986	12.0291	PPBV		99
93)	1,3,5-TRIMETHYLBENZENE	19.005	105	1441798	11.8126	PPBV		99
94)	ALPHA-METHYLSTYRENE	19.250	118	698121	10.5959	PPBV		99
95)	tert-BUTYLBENZENE	19.605	134	309708	11.6219	PPBV		98
96)	1,2,4-TRIMETHYLBENZENE	19.623	105	1577032	12.3146	PPBV		100
97)	m-DICHLOROBENZENE	19.813	146	1174475	11.6475	PPBV		96
98)	BENZYL CHLORIDE	19.807	91	1538320	11.1916	PPBV		98
99)	p-DICHLOROBENZENE	19.917	146	1146194	12.1751	PPBV		96
100)	sec-BUTYLBENZENE	20.015	134	375367	11.8059	PPBV		100
101)	1,2,3-TRIMETHYLBENZENE	20.229	105	1540403	11.8435	PPBV	#	99
102)	p-ISOPROPYLTOLUENE	20.259	134	438132	11.7248	PPBV		98
103)	o-DICHLOROBENZENE	20.400	146	1074336	11.7368	PPBV		95
104)	n-BUTYLBENZENE	20.847	134	428450	12.4643	PPBV		95
105)	HEXACHLOROETHANE	21.312	117	806422	12.5853	PPBV	#	74
106)	HEXACHLOROBUTADIENE	23.251	225	1781369	20.6856	PPBV		99
107)	1,2,4-TRICHLOROBENZENE	23.116	180	1458721	17.8853	PPBV		96
108)	NAPHTHALENE	22.798	128	2203206	12.3065	PPBV		100
110)	TVHC as equiv Pentane	5.228	TIC	2091566	10.2524	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55821.D
Acq On : 23 Dec 2024 11:17 am
Operator : thomash
Sample : bsd Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 24 04:40:56 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

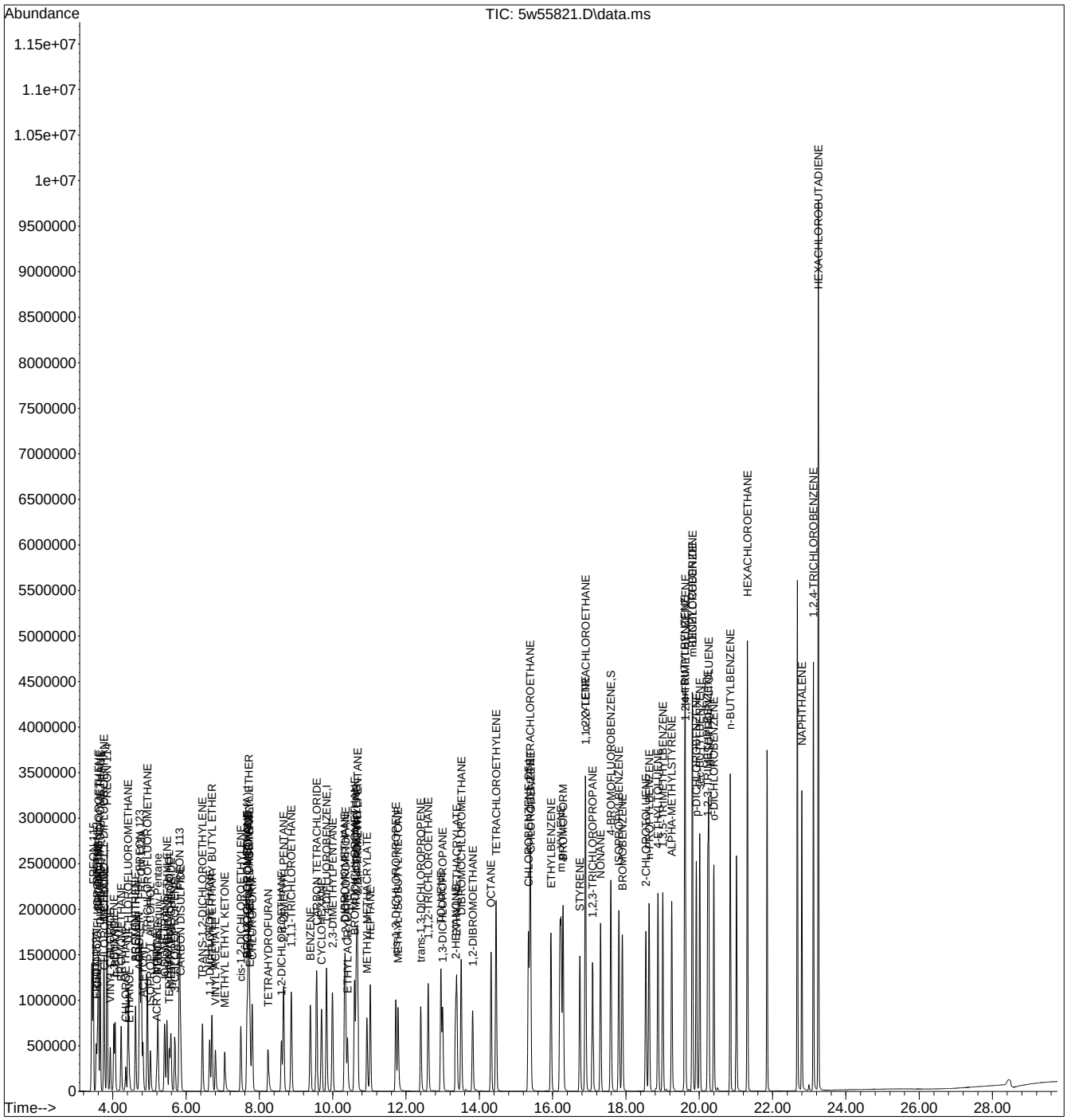
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55821.D
Acq On : 23 Dec 2024 11:17 am
Operator : thomash
Sample : bsd Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 24 04:40:56 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 11/19/24 11:36

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10577.D
Acq On : 18 Nov 2024 10:11 am
Operator : bkim
Sample : bs Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:53:13 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
	Internal Standards							
1)	BROMOCHLOROMETHANE	3.274	128	59927	10.00	PPBV		0.00
52)	1,4-DIFLUOROBENZENE	4.554	114	307732	10.00	PPBV		0.00
76)	CHLOROBENZENE-D5	10.123	117	281115	10.00	PPBV		0.00
109)	BROMOCHLOROMETHANE (A)	3.274	128	59927	10.00	PPBV		0.00
	System Monitoring Compounds							
87)	4-BROMOFLUOROBENZENE	13.476	95	190904	9.26	PPBV		0.00
	Target Compounds							Qvalue
2)	FREON 115	1.618	119	110512	14.3793	PPBV		96
3)	FREON 152A	1.650	65	59070	14.2378	PPBV		88
4)	CHLORODIFLUOROMETHANE	1.663	67	22970	11.4809	PPBV		99
5)	CHLOROTRIFLUOROETHENE	1.676	116	122529	12.6008	PPBV		73
6)	DICHLORODIFLUOROMETHANE	1.692	85	255544	10.6343	PPBV		96
7)	PROPYLENE	1.670	41	76743	13.3660	PPBV		97
8)	1-CHLORO-1,1-DIFLUOROE...	1.731	65	172937	8.5955	PPBV		93
9)	FREON 114	1.766	85	217219	10.6265	PPBV		95
10)	CHLOROMETHANE	1.734	52	27200	8.7390	PPBV		94
11)	VINYL CHLORIDE	1.798	62	99503	10.3978	PPBV		99
12)	1,3-BUTADIENE	1.837	54	80190	10.3069	PPBV		85
13)	N-BUTANE	1.853	43	127768	8.9925	PPBV		96
14)	BROMOMETHANE	1.914	94	78281	10.2297	PPBV		99
15)	CHLOROETHANE	1.962	64	51878	10.5850	PPBV		91
16)	DICHLOROFLUOROMETHANE	1.988	67	189308	10.1065	PPBV		97
17)	ACETONITRILE	2.059	41	77908	8.3740	PPBV		98
18)	ACROLEIN	2.097	56	44203	9.4636	PPBV		96
19)	FREON 123	2.113	83	201252	10.5734	PPBV		98
20)	FREON 123A	2.129	117	125238	11.4705	PPBV		91
21)	TRICHLOROFLUOROMETHANE	2.194	101	215086	9.9812	PPBV		98
22)	ISOPROPYL ALCOHOL	2.219	45	177899	8.7647	PPBV		96
23)	ACETONE	2.139	58	53254	9.6274	PPBV		66
24)	PENTANE	2.313	42	90696	8.7967	PPBV		92
25)	IODOMETHANE	2.374	142	225162	12.1131	PPBV		89
26)	1,1-DICHLOROETHYLENE	2.400	96	86229	10.7533	PPBV		85
27)	CARBON DISULFIDE	2.535	76	224756m	9.6177	PPBV		
28)	ETHANOL	1.998	45	49449	8.9163	PPBV		98
29)	BROMOETHENE	2.065	106	83471	11.4058	PPBV	#	97
30)	ACRYLONITRILE	2.281	52	69775	9.2744	PPBV		96
31)	METHYLENE CHLORIDE	2.438	84	75329	9.1274	PPBV		80
32)	3-CHLOROPROPENE	2.480	76	39694	9.3992	PPBV	#	62
33)	FREON 113	2.535	151	140140	11.1049	PPBV		89
34)	TRANS-1,2-DICHLOROETHENE	2.763	96	91287	11.6726	PPBV		99
35)	TERTIARY BUTYL ALCOHOL	2.422	59	176592	9.0639	PPBV		92
36)	METHYL TERTIARY BUTYL ...	2.872	73	239170	12.1723	PPBV		98
37)	TETRAHYDROFURAN	3.563	72	45330	12.1074	PPBV		96
38)	HEXANE	3.329	57	186212	11.3851	PPBV		88
39)	VINYL ACETATE	2.908	86	21657	12.1078	PPBV		77
40)	1,1-DICHLOROETHANE	2.837	63	181698	12.4681	PPBV		99
41)	METHYL ETHYL KETONE	3.004	72	48800	12.2439	PPBV		89
42)	CIS-1,2-DICHLOROETHENE	3.200	96	94849	11.4360	PPBV		100
43)	DIISOPROPYL ETHER	3.335	59	52672	12.3764	PPBV		84
44)	ETHYL ACETATE	3.338	61	36929	11.8146	PPBV		78
45)	METHYL ACRYLATE	3.322	55	215839	12.0480	PPBV	#	26
46)	CHLOROFORM	3.348	83	181569	10.8246	PPBV		95
47)	2,4-DIMETHYLPENTANE	3.843	57	215745	12.3313	PPBV		98
48)	1,1,1-TRICHLOROETHANE	3.920	97	178620	11.6980	PPBV		96
49)	CARBON TETRACHLORIDE	4.342	117	186476	12.4415	PPBV		98

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10577.D
Acq On : 18 Nov 2024 10:11 am
Operator : bkim
Sample : bs Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:53:13 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	3.756	62	135176	10.6258	PPBV		99
51)	BENZENE	4.229	78	285064	11.5478	PPBV		97
53)	CYCLOHEXANE	4.438	84	123825	11.3925	PPBV		93
54)	2,3-DIMETHYLPENTANE	4.695	71	66437	11.9361	PPBV		93
55)	TRICHLOROETHENE	5.129	95	124837	10.5919	PPBV		96
56)	1,2-DICHLOROPROPANE	4.898	63	126622	12.0766	PPBV		94
57)	DIBROMOMETHANE	4.856	174	110137	11.1361	PPBV		91
58)	ETHYL ACRYLATE	5.017	55	267872	11.9010	PPBV		99
59)	BROMODICHLOROMETHANE	5.075	83	198539	10.9770	PPBV		99
60)	2,2,4-TRIMETHYLPENTANE	5.223	57	587587	11.7962	PPBV		98
61)	1,4-DIOXANE	5.155	88	68433	10.6089	PPBV	#	93
62)	HEPTANE	5.541	43	196653	11.2460	PPBV		98
63)	METHYL METHACRYLATE	5.435	69	110695	11.7588	PPBV		93
64)	METHYL ISOBUTYL KETONE	6.174	58	116018	10.7777	PPBV		88
65)	CIS-1,3-DICHLOROPROPENE	6.065	75	167663	12.4777	PPBV		86
66)	TOLUENE	7.268	91	346089	10.5702	PPBV		100
67)	1,3-DICHLOROPROPANE	7.325	76	172835	10.7442	PPBV		100
68)	TRANS-1,3-DICHLOROPROPENE	6.740	75	139504	12.6564	PPBV		85
69)	1,1,2-TRICHLOROETHANE	6.895	83	101053	11.2887	PPBV		98
70)	2-HEXANONE	7.853	58	162743	9.9058	PPBV		86
71)	ETHYL METHACRYLATE	7.972	69	180957	11.6239	PPBV		93
72)	TETRACHLOROETHENE	8.994	164	134599	11.5053	PPBV		97
73)	DIBROMOCHLOROMETHANE	7.801	129	200804	11.7098	PPBV		99
74)	1,2-DIBROMOETHANE	8.142	107	183640	11.6450	PPBV		99
75)	OCTANE	9.142	43	271332	10.3153	PPBV		98
77)	1,1,1,2-TETRACHLOROETHANE	10.210	131	143846	11.9311	PPBV		93
78)	CHLOROBENZENE	10.200	112	278592	10.2378	PPBV		100
79)	ETHYLBENZENE	11.081	91	457220	10.2501	PPBV		97
80)	M,P-XYLENE	11.508	91	703381	19.9630	PPBV		100
81)	O-XYLENE	12.441	91	355250	10.0425	PPBV		99
82)	STYRENE	12.229	104	278357	10.8757	PPBV		97
83)	NONANE	13.563	43	279616	9.9947	PPBV		93
84)	BROMOFORM	11.322	173	187082	12.2296	PPBV		99
85)	1,1,2,2-TETRACHLOROETHANE	12.454	83	261976	10.5142	PPBV		98
86)	1,2,3-TRICHLOROPROPANE	12.737	75	201971	10.0376	PPBV		100
88)	ISOPROPYLBENZENE	13.955	120	136930	10.2194	PPBV		94
89)	BROMOBENZENE	13.823	77	246840	9.7379	PPBV		94
90)	2-CHLOROTOLUENE	14.952	126	122323	9.9584	PPBV		99
91)	N-PROPYLBENZENE	15.293	120	142602	10.3358	PPBV		100
92)	4-ETHYLTOLUENE	15.743	105	514233	10.5272	PPBV		100
93)	1,3,5-TRIMETHYLBENZENE	15.994	105	421583	10.2573	PPBV		99
94)	ALPHA-METHYLSTYRENE	16.270	118	216053	9.8929	PPBV		98
95)	TERT-BUTYLBENZENE	16.569	134	102644	10.4400	PPBV		95
96)	1,2,4-TRIMETHYLBENZENE	16.579	105	435406	10.1374	PPBV		99
97)	BENZYL CHLORIDE	16.669	91	258850	20.7104	PPBV		98
98)	M-DICHLOROBENZENE	16.640	146	294616	10.2783	PPBV		97
99)	P-DICHLOROBENZENE	16.730	146	299214	10.5247	PPBV		97
100)	O-DICHLOROBENZENE	17.042	146	280983	10.2361	PPBV		96
101)	SEC-BUTYLBENZENE	16.872	134	129277	10.4474	PPBV		92
102)	1,2,3-TRIMETHYLBENZENE	16.991	105	420338	9.6664	PPBV		99
103)	P-ISOPROPYLTOLUENE	17.061	134	140956	10.2084	PPBV		93
104)	N-BUTYLBENZENE	17.421	134	141251	10.3059	PPBV		88
105)	HEXACHLOROETHANE	17.598	117	159980	12.0274	PPBV		96
106)	HEXACHLOROBUTADIENE	18.646	225	225111	10.9149	PPBV		99
107)	1,2,4-TRICHLOROBENZENE	18.338	180	276617	10.0666	PPBV		100
108)	NAPHTHALENE	18.386	128	639531	8.9082	PPBV		100
110)	TVHC as equiv Pentane	2.313	TIC	439346	8.4468	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10577.D
Acq On : 18 Nov 2024 10:11 am
Operator : bkim
Sample : bs Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:53:13 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

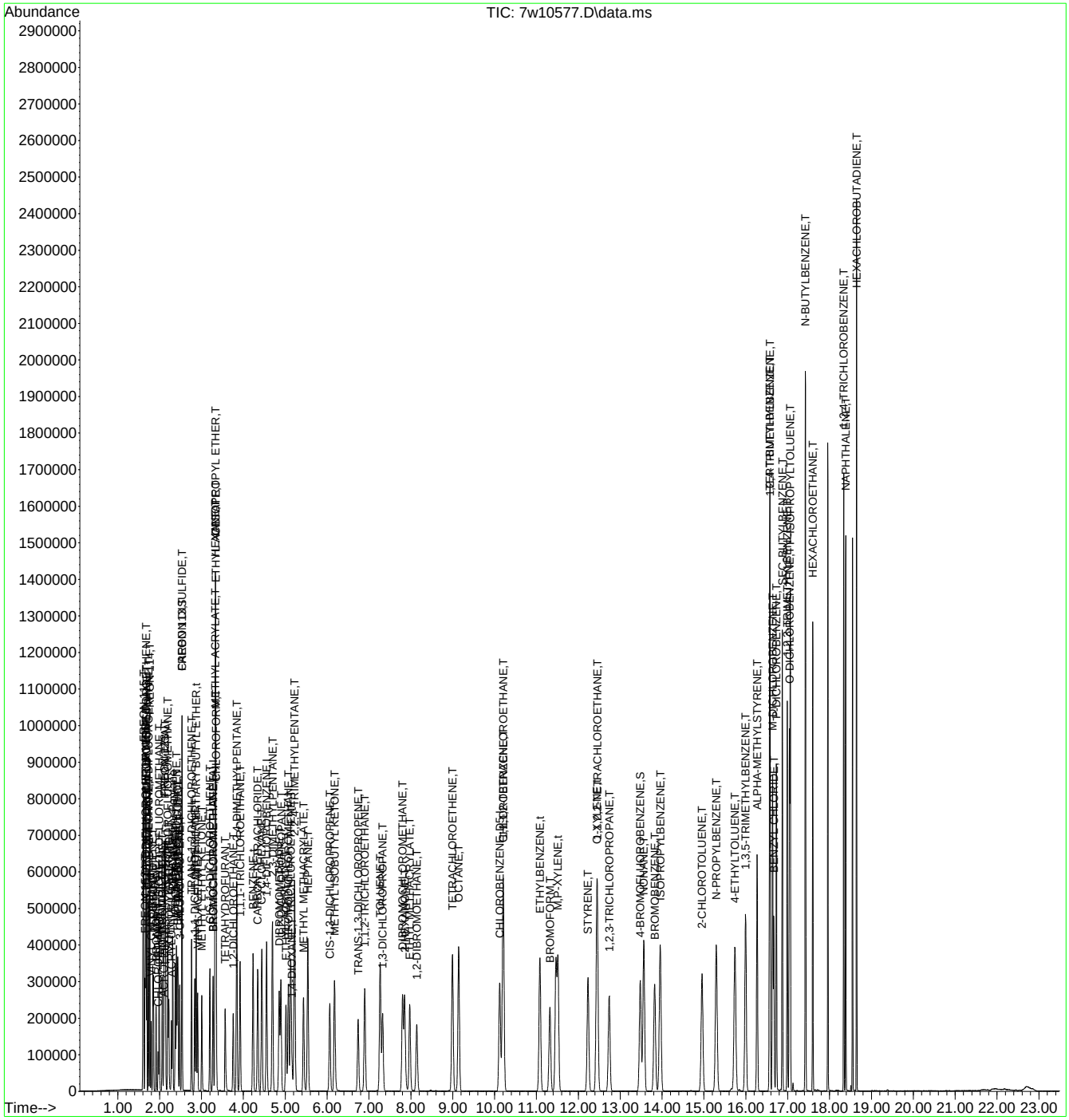
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10577.D
Acq On : 18 Nov 2024 10:11 am
Operator : bkim
Sample : bs Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:53:13 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



Manual Integration Approval Summary

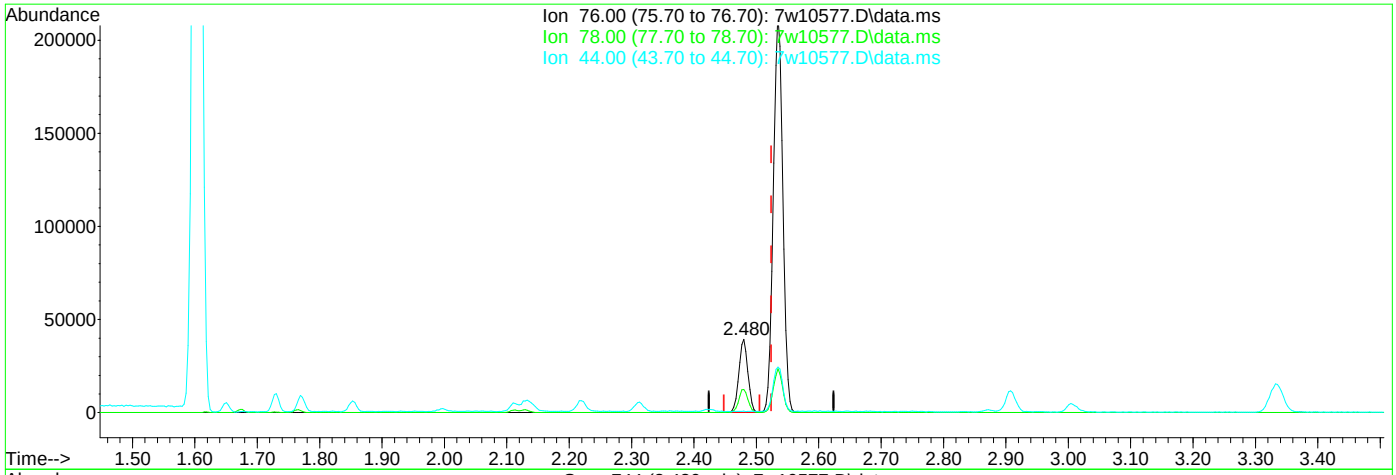
Sample Number: V7W387-BS
Lab FileID: 7W10577.D
Injection Time: 11/18/24 10:11
Method: TO-15
Analyst approved: 11/19/24 00:49 Lucky Carandang
Supervisor approved: 11/19/24 11:36 Kanya Veerawat

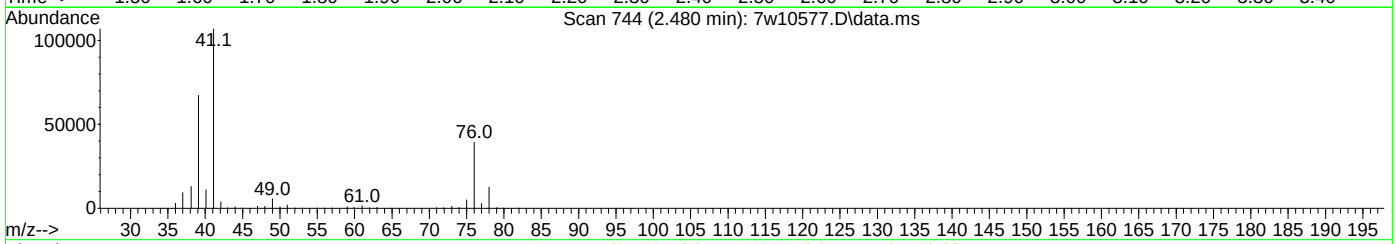
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon disulfide	75-15-0		2.53	Missed peak

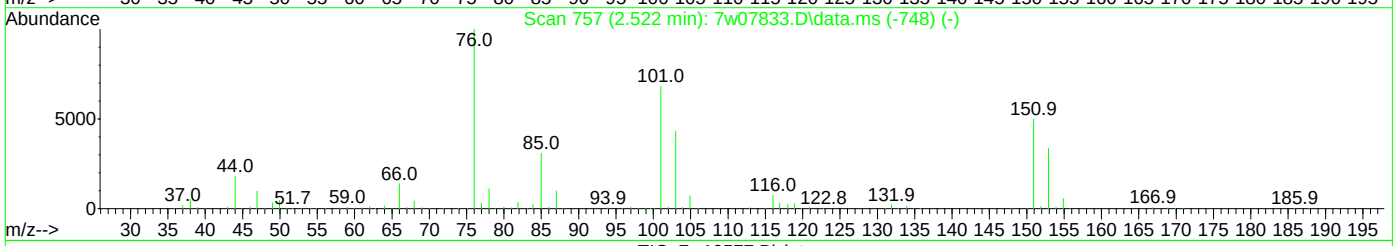
Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10577.D
Acq On : 18 Nov 2024 10:11 am
Operator : bkim
Sample : bs Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:26:01 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration







TIC: 7w10577.D\data.ms

(27) CARBON DISULFIDE (T)

2.480min (-0.044) 1.70PPBV

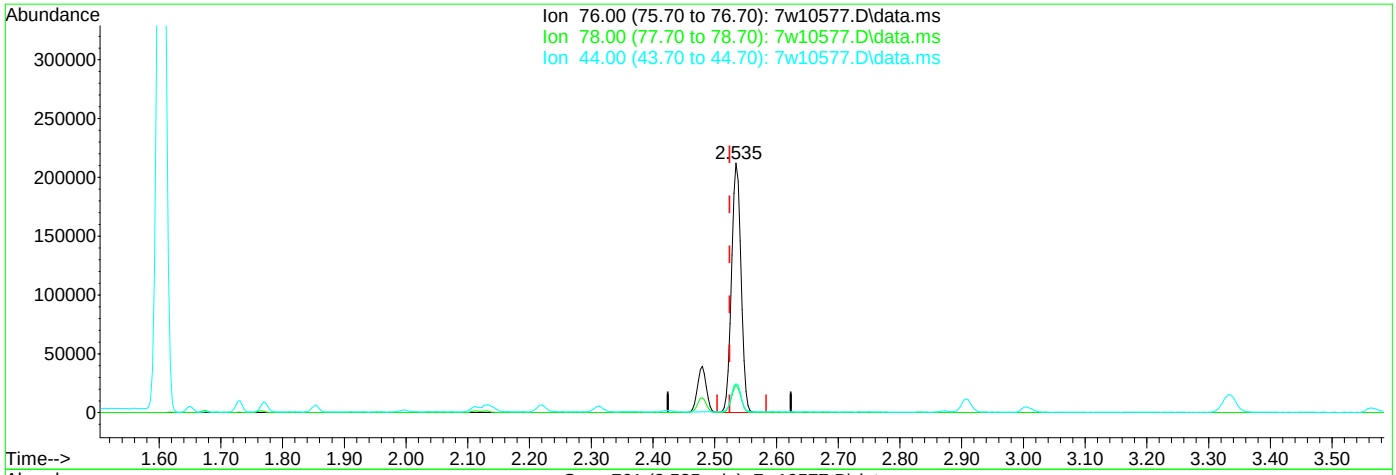
response 39710

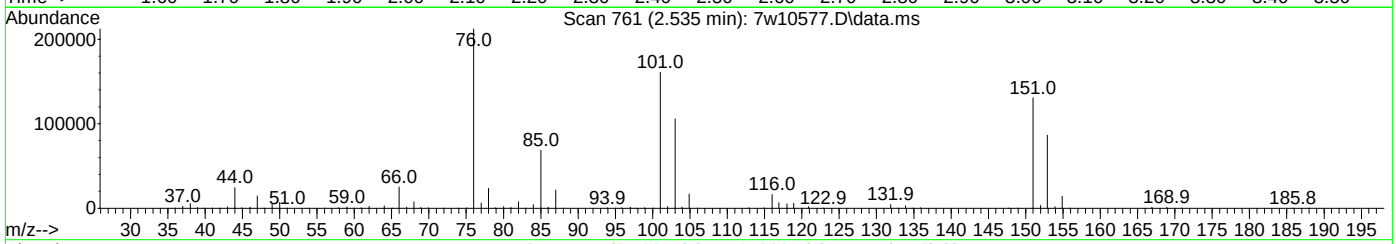
Ion	Exp%	Act%
76.00	100	100
78.00	11.40	32.64#
44.00	19.10	0.64#
0.00	0.00	0.00

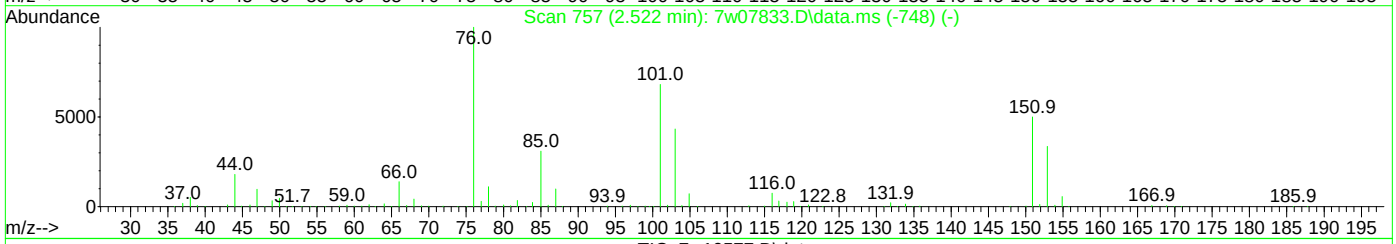
Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10577.D
Acq On : 18 Nov 2024 10:11 am
Operator : bkim
Sample : bs Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:26:01 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration







TIC: 7w10577.D\data.ms

(27) CARBON DISULFIDE (T)

2.535min (+0.011) 9.62PPBV m

response 224756

Ion	Exp%	Act%
76.00	100	100
78.00	11.40	5.77#
44.00	19.10	0.11#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10578.D
Acq On : 18 Nov 2024 10:46 am
Operator : bkim
Sample : bsd Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:26:23 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.277	128	59448	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.553	114	304227	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.122	117	275746	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.277	128	59448	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.479	95	190632	9.42	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.621	119	112227	14.7201	PPBV		97
3) FREON 152A	1.650	65	57446	13.9579	PPBV		84
4) CHLORODIFLUOROMETHANE	1.663	67	21726	10.9466	PPBV		97
5) CHLOROTRIFLUOROETHENE	1.676	116	126112	13.0738	PPBV		69
6) DICHLORODIFLUOROMETHANE	1.692	85	252623	10.5975	PPBV		94
7) PROPYLENE	1.672	41	67225	11.8027	PPBV		97
8) 1-CHLORO-1,1-DIFLUOROE...	1.730	65	168232	8.4290	PPBV		92
9) FREON 114	1.766	85	219573	10.8282	PPBV		94
10) CHLOROMETHANE	1.737	52	24803	8.0331	PPBV		91
11) VINYL CHLORIDE	1.798	62	95931	10.1053	PPBV		99
12) 1,3-BUTADIENE	1.836	54	74674	9.6753	PPBV		84
13) N-BUTANE	1.852	43	121165	8.5965	PPBV		95
14) BROMOMETHANE	1.914	94	78468	10.3368	PPBV		99
15) CHLOROETHANE	1.965	64	52103	10.7165	PPBV		95
16) DICHLOROFLUOROMETHANE	1.991	67	185911	10.0051	PPBV		97
17) ACETONITRILE	2.061	41	76003	8.2350	PPBV		99
18) ACROLEIN	2.100	56	44428	9.5884	PPBV		98
19) FREON 123	2.113	83	200054	10.5952	PPBV		99
20) FREON 123A	2.129	117	123450	11.3978	PPBV		92
21) TRICHLOROFLUOROMETHANE	2.197	101	210804	9.8613	PPBV		100
22) ISOPROPYL ALCOHOL	2.219	45	172563	8.5703	PPBV		96
23) ACETONE	2.139	58	53727	9.7912	PPBV		64
24) PENTANE	2.312	42	92167	9.0114	PPBV		92
25) IODOMETHANE	2.373	142	223797	12.1367	PPBV		89
26) 1,1-DICHLOROETHYLENE	2.402	96	84135	10.5767	PPBV		87
27) CARBON DISULFIDE	2.534	76	221254	9.5441	PPBV	#	90
28) ETHANOL	1.997	45	46856	8.5168	PPBV		98
29) BROMOETHENE	2.068	106	82455	11.3578	PPBV	#	97
30) ACRYLONITRILE	2.283	52	69892	9.3648	PPBV		96
31) METHYLENE CHLORIDE	2.438	84	74697	9.1237	PPBV		80
32) 3-CHLOROPROPENE	2.479	76	40349	9.6313	PPBV	#	59
33) FREON 113	2.534	151	136726	10.9217	PPBV		89
34) TRANS-1,2-DICHLOROETHENE	2.762	96	90883	11.7146	PPBV		99
35) TERTIARY BUTYL ALCOHOL	2.425	59	175438	9.0773	PPBV		91
36) METHYL TERTIARY BUTYL ...	2.872	73	240324	12.3296	PPBV		97
37) TETRAHYDROFURAN	3.563	72	45290	12.1941	PPBV		94
38) HEXANE	3.328	57	184582	11.3764	PPBV		88
39) VINYL ACETATE	2.907	86	21094	11.8881	PPBV		84
40) 1,1-DICHLOROETHANE	2.836	63	180973	12.5184	PPBV		99
41) METHYL ETHYL KETONE	3.007	72	47682	12.0598	PPBV		90
42) CIS-1,2-DICHLOROETHENE	3.200	96	95006	11.5473	PPBV		99
43) DIISOPROPYL ETHER	3.335	59	52095	12.3395	PPBV		83
44) ETHYL ACETATE	3.338	61	36641	11.8170	PPBV		76
45) METHYL ACRYLATE	3.325	55	213749	12.0275	PPBV	#	26
46) CHLOROFORM	3.351	83	181081	10.8825	PPBV		95
47) 2,4-DIMETHYLPENTANE	3.843	57	214369	12.3513	PPBV		99
48) 1,1,1-TRICHLOROETHANE	3.920	97	179286	11.8362	PPBV		95
49) CARBON TETRACHLORIDE	4.344	117	185073	12.4473	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10578.D
Acq On : 18 Nov 2024 10:46 am
Operator : bkim
Sample : bsd Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:26:23 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50) 1,2-DICHLOROETHANE	3.759	62	133903	10.6105	PPBV		99
51) BENZENE	4.232	78	285053	11.6404	PPBV		96
53) CYCLOHEXANE	4.441	84	123486	11.4922	PPBV		93
54) 2,3-DIMETHYLPENTANE	4.695	71	66451	12.0762	PPBV		96
55) TRICHLOROETHENE	5.126	95	124532	10.6877	PPBV		96
56) 1,2-DICHLOROPROPANE	4.897	63	124852	12.0450	PPBV		95
57) DIBROMOMETHANE	4.856	174	110196	11.2704	PPBV		91
58) ETHYL ACRYLATE	5.016	55	264942	11.9064	PPBV		99
59) BROMODICHLOROMETHANE	5.074	83	197810	11.0627	PPBV		100
60) 2,2,4-TRIMETHYLPENTANE	5.222	57	581722	11.8130	PPBV		98
61) 1,4-DIOXANE	5.151	88	67881	10.6446	PPBV	#	95
62) HEPTANE	5.540	43	194597	11.2566	PPBV		97
63) METHYL METHACRYLATE	5.438	69	110949	11.9216	PPBV		92
64) METHYL ISOBUTYL KETONE	6.174	58	114615	10.7700	PPBV		88
65) CIS-1,3-DICHLOROPROPENE	6.065	75	167753	12.6282	PPBV		86
66) TOLUENE	7.267	91	347675	10.7410	PPBV		100
67) 1,3-DICHLOROPROPANE	7.328	76	171884	10.8082	PPBV		100
68) TRANS-1,3-DICHLOROPROPENE	6.740	75	139337	12.7869	PPBV		85
69) 1,1,2-TRICHLOROETHANE	6.897	83	100397	11.3447	PPBV		99
70) 2-HEXANONE	7.849	58	162687	10.0165	PPBV		86
71) ETHYL METHACRYLATE	7.974	69	179934	11.6913	PPBV		93
72) TETRACHLOROETHENE	8.997	164	135676	11.7309	PPBV		96
73) DIBROMOCHLOROMETHANE	7.801	129	199913	11.7921	PPBV		100
74) 1,2-DIBROMOETHANE	8.145	107	182986	11.7372	PPBV		100
75) OCTANE	9.142	43	268341	10.3191	PPBV		97
77) 1,1,1,2-TETRACHLOROETHANE	10.209	131	144815	12.2454	PPBV		92
78) CHLOROBENZENE	10.199	112	279014	10.4529	PPBV		100
79) ETHYLBENZENE	11.084	91	458943	10.4891	PPBV		96
80) M,P-XYLENE	11.514	91	712410	20.6129	PPBV		98
81) O-XYLENE	12.444	91	357163	10.2932	PPBV		98
82) STYRENE	12.228	104	284416	11.3288	PPBV		96
83) NONANE	13.563	43	247974	9.0363	PPBV		86
84) BROMOFORM	11.322	173	196785	13.1143	PPBV		99
85) 1,1,2,2-TETRACHLOROETHANE	12.453	83	261640	10.7052	PPBV		98
86) 1,2,3-TRICHLOROPROPANE	12.736	75	198044	10.0341	PPBV		100
88) ISOPROPYLBENZENE	13.958	120	142718	10.8588	PPBV		90
89) BROMOBENZENE	13.820	77	245227	9.8626	PPBV		90
90) 2-CHLOROTOLUENE	14.958	126	126461	10.4957	PPBV		98
91) N-PROPYLBENZENE	15.289	120	149258	11.0289	PPBV		99
92) 4-ETHYLTOLUENE	15.743	105	524683	10.9503	PPBV		99
93) 1,3,5-TRIMETHYLBENZENE	15.997	105	428738	10.6345	PPBV		98
94) ALPHA-METHYLSTYRENE	16.270	118	227883	10.6378	PPBV		98
95) TERT-BUTYLBENZENE	16.569	134	107149	11.1104	PPBV		92
96) 1,2,4-TRIMETHYLBENZENE	16.579	105	444260	10.5449	PPBV		98
97) BENZYL CHLORIDE	16.669	91	257782	21.0265	PPBV		96
98) M-DICHLOROBENZENE	16.640	146	311779	11.0889	PPBV		96
99) P-DICHLOROBENZENE	16.730	146	312888	11.2200	PPBV		96
100) O-DICHLOROBENZENE	17.042	146	299868	11.1368	PPBV		96
101) SEC-BUTYLBENZENE	16.871	134	133359	10.9871	PPBV		89
102) 1,2,3-TRIMETHYLBENZENE	16.990	105	431281	10.1111	PPBV		98
103) P-ISOPROPYLTOLUENE	17.064	134	147019	10.8548	PPBV		91
104) N-BUTYLBENZENE	17.421	134	143845	10.6995	PPBV		84
105) HEXACHLOROETHANE	17.598	117	161090	12.3466	PPBV		94
106) HEXACHLOROBUTADIENE	18.649	225	225577	11.1504	PPBV		99
107) 1,2,4-TRICHLOROBENZENE	18.341	180	279684	10.3764	PPBV		100
108) NAPHTHALENE	18.386	128	646041	9.1741	PPBV		100
110) TVHC as equiv Pentane	2.312	TIC	447566	8.6742	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10578.D
Acq On : 18 Nov 2024 10:46 am
Operator : bkim
Sample : bsd Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:26:23 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

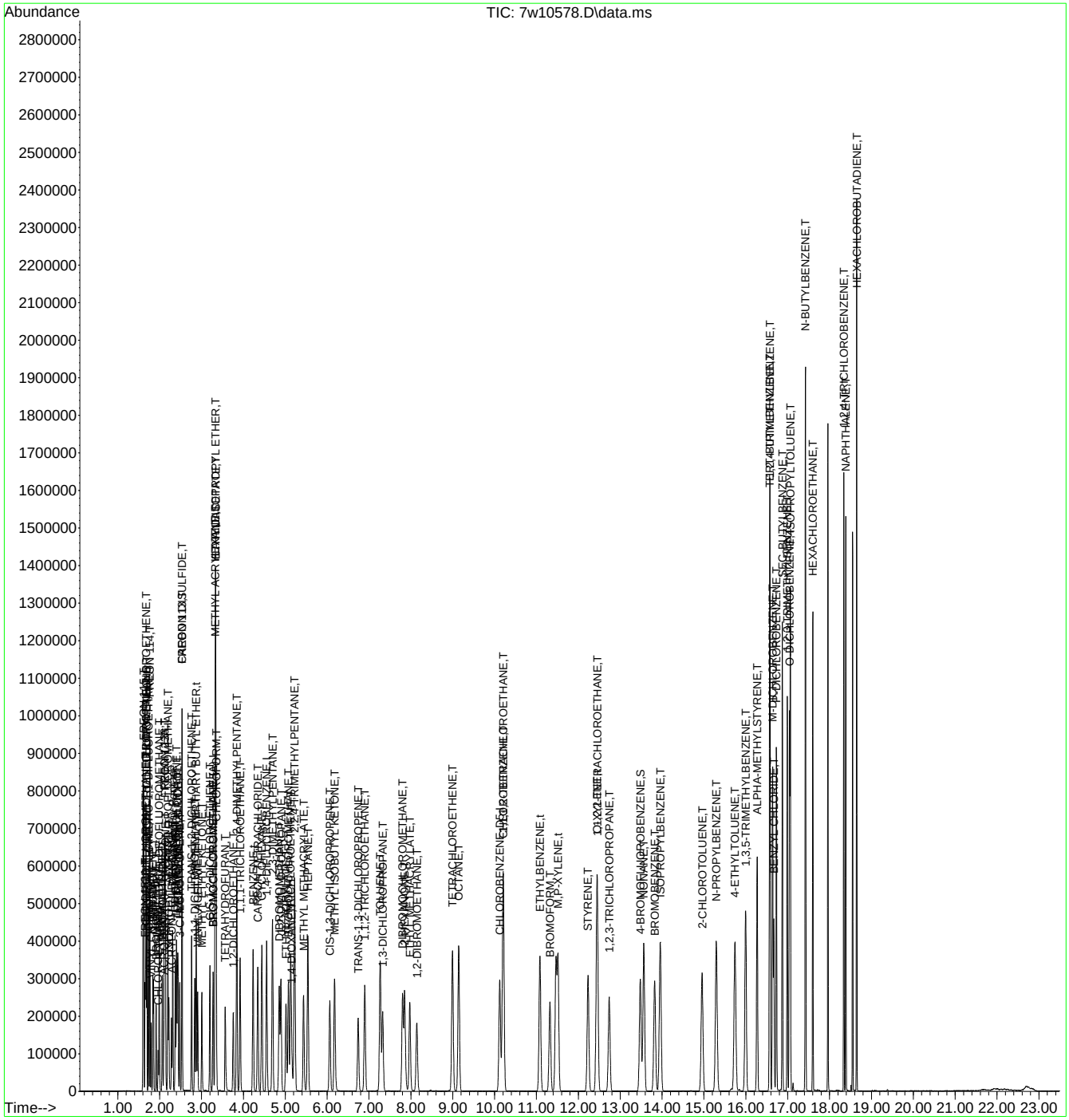
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10578.D
Acq On : 18 Nov 2024 10:46 am
Operator : bkim
Sample : bsd Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:26:23 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 12/20/24 20:19

Quantitation Report (QT Reviewed)

Data Path : G:\Dayton\MSAIR\Done\2024\December\18 Dec 2024\V5W2133\
Data File : 5w55717.D
Acq On : 18 Dec 2024 9:29 am
Operator : thomash
Sample : je2488-2dup
Misc : MS88104,V5W2133,500,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 20 20:13:18 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

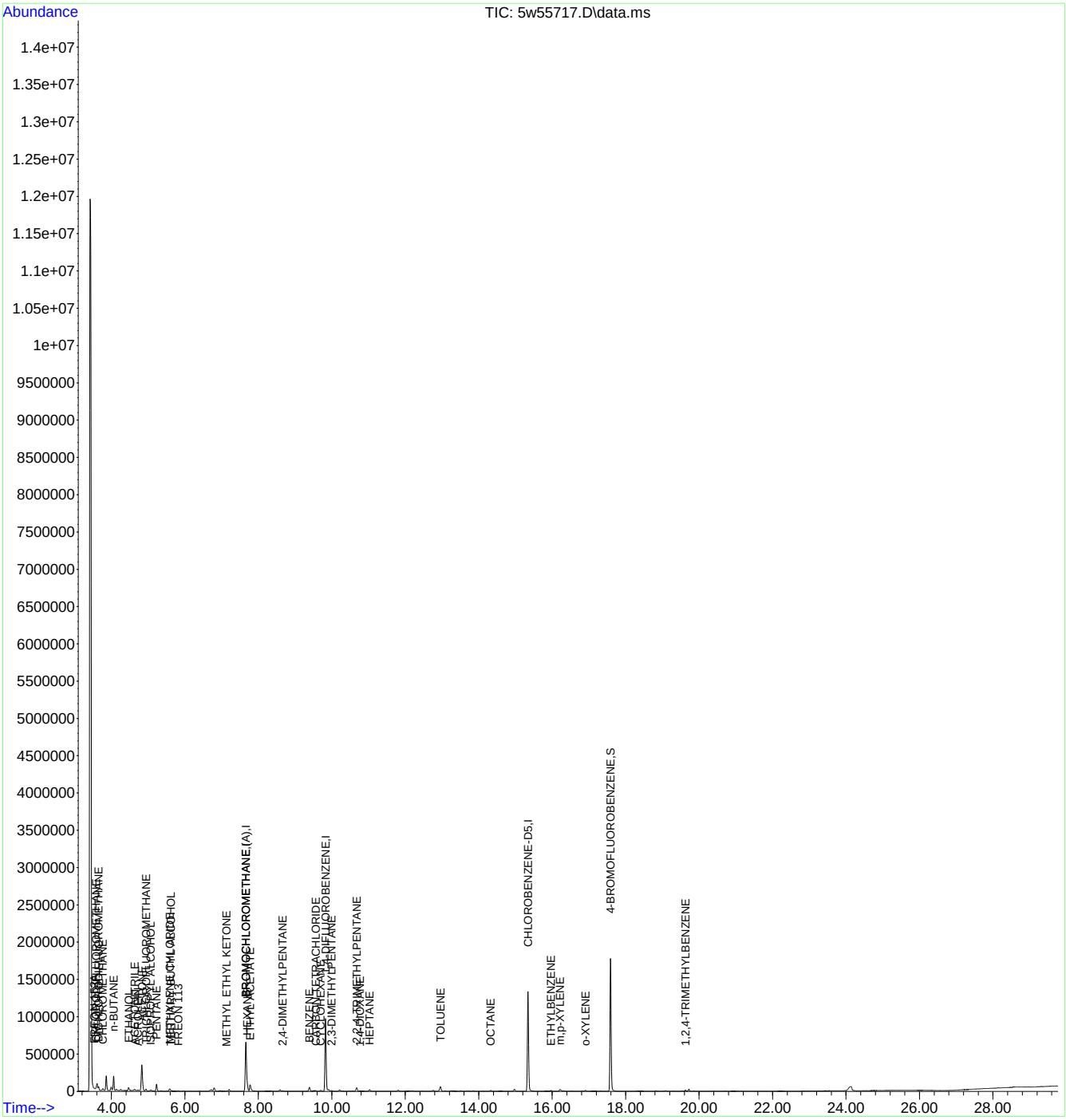
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	7.663	128	156769	10.00	PPBV	0.00
51) 1,4-DIFLUOROBENZENE	9.829	114	796945	10.00	PPBV	0.00
70) CHLOROBENZENE-D5	15.341	82	502343	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	7.663	128	156769	10.00	PPBV	0.00
System Monitoring Compounds						
85) 4-BROMOFLUOROBENZENE	17.586	95	595808	10.60	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 106.00%			
Target Compounds						Qvalue
3) FREON 152A	3.540	65	3081	0.27	PPBV #	12
4) CHLORODIFLUOROMETHANE	3.576	67	2376	0.40	PPBV	81
6) DICHLORODIFLUOROMETHANE	3.650	85	41107	0.72	PPBV	98
10) CHLOROMETHANE	3.766	52	7350	0.99	PPBV	86
13) n-BUTANE	4.060	43	164897	4.92	PPBV	96
17) ACETONITRILE	4.629	41	23651	1.22	PPBV	94
18) ACROLEIN	4.720	56	6082	0.72	PPBV	89
21) TRICHLOROFLUOROMETHANE	4.941	101	21099	0.40	PPBV	95
22) ISOPROPYL ALCOHOL	5.075	45	20961	0.62	PPBV	87
23) ACETONE	4.837	58	90583	7.16	PPBV	98
24) PENTANE	5.228	42	42490	2.55	PPBV	97
28) ETHANOL	4.470	45	51672	4.20	PPBV	96
31) METHYLENE CHLORIDE	5.589	84	13242	0.81	PPBV	84
33) FREON 113	5.815	151	2590	0.09	PPBV	88
35) TERTIARY BUTYL ALCOHOL	5.626	59	3127	0.10	PPBV #	1
38) HEXANE	7.700	57	29755	1.21	PPBV	88
41) METHYL ETHYL KETONE	7.131	72	1558m	0.23	PPBV	
44) ETHYL ACETATE	7.773	61	16258	3.24	PPBV #	72
47) 2,4-DIMETHYLPENTANE	8.660	57	2940	0.11	PPBV	78
49) CARBON TETRACHLORIDE	9.559	117	3996	0.09	PPBV	92
52) BENZENE	9.394	78	55338	0.96	PPBV	98
53) CYCLOHEXANE	9.694	84	4104	0.19	PPBV #	70
54) 2,3-DIMETHYLPENTANE	9.994	71	1495	0.13	PPBV #	63
60) 2,2,4-TRIMETHYLPENTANE	10.679	57	40594	0.46	PPBV	82
61) 1,4-DIOXANE	10.765	88	2063	0.15	PPBV #	1
62) HEPTANE	11.028	43	10550	0.34	PPBV	87
66) TOLUENE	12.961	92	30255	0.75	PPBV	95
76) OCTANE	14.325	43	6737	0.15	PPBV	72
79) ETHYLBENZENE	15.965	91	11469	0.12	PPBV	94
80) m,p-XYLENE	16.215	106	11351	0.32	PPBV	94
81) o-XYLENE	16.901	106	4250	0.12	PPBV #	78
96) 1,2,4-TRIMETHYLBENZENE	19.629	105	8380	0.10	PPBV #	37

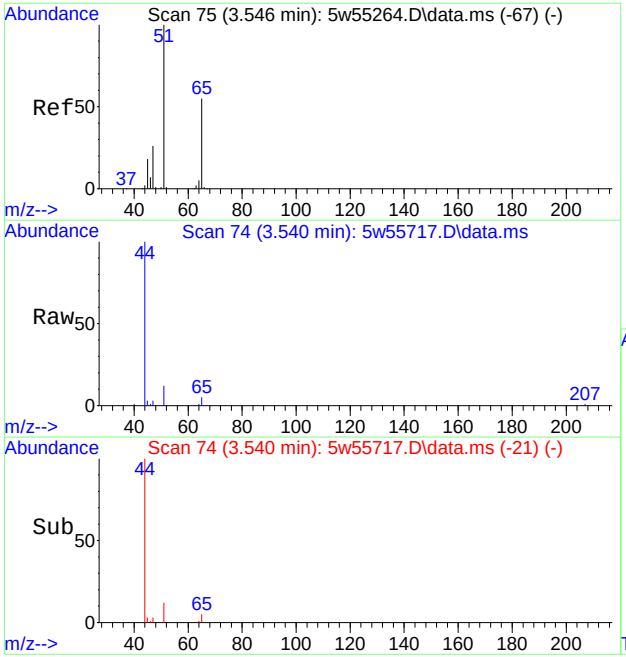
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : G:\Dayton\MSAIR\Done\2024\December\18 Dec 2024\V5W2133\
Data File : 5w55717.D
Acq On : 18 Dec 2024 9:29 am
Operator : thomash
Sample : je2488-2dup
Misc : MS88104,V5W2133,500,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 20 20:13:18 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

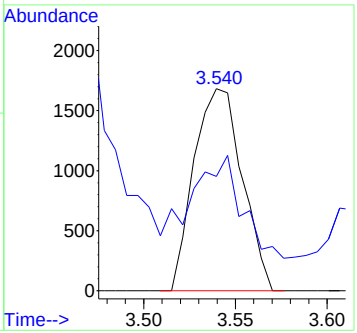


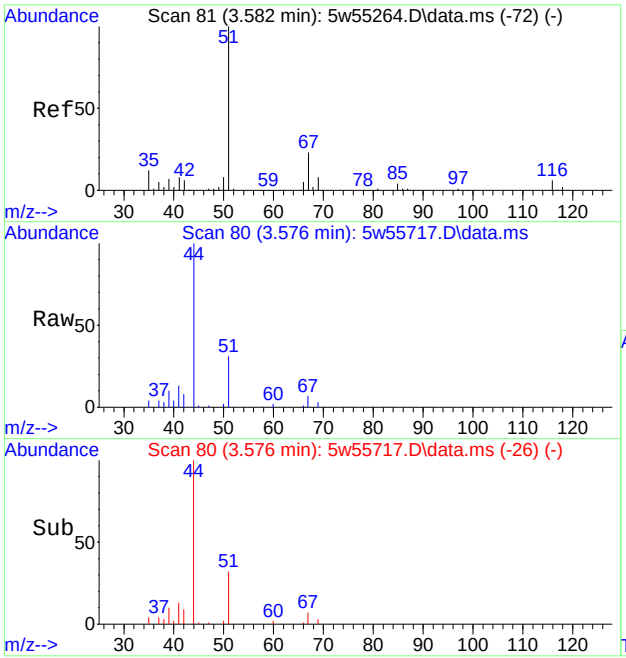


#3
FREON 152A
Concen: 0.27 PPBV
RT: 3.540 min Scan# 74
Delta R.T. -0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 65 Resp: 3081

Ion	Ratio	Lower	Upper
65	100		
45	80.6	1.8	61.8#

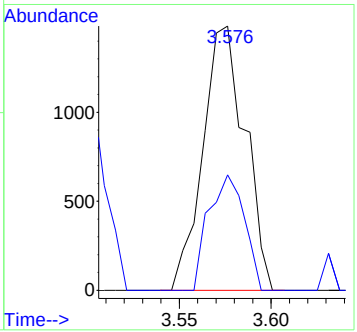


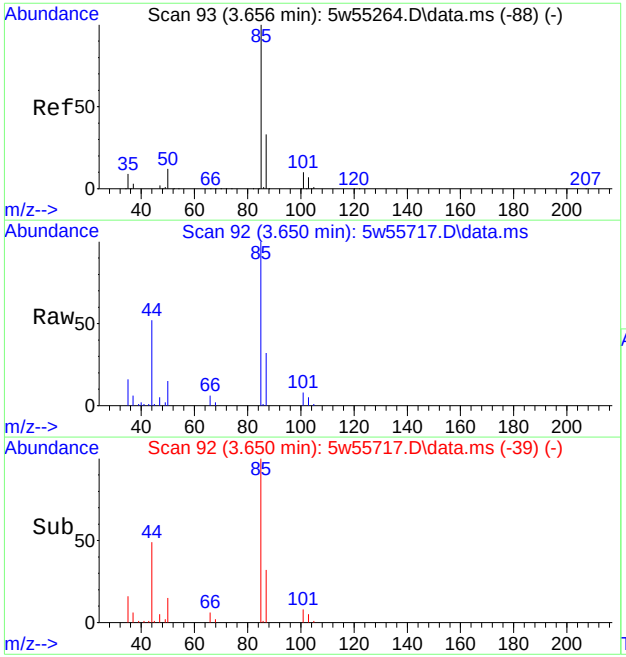


#4
CHLORODIFLUOROMETHANE
Concen: 0.40 PPBV
RT: 3.576 min Scan# 80
Delta R.T. 0.000 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 67 Resp: 2376

Ion	Ratio	Lower	Upper
67	100		
69	43.7	2.9	62.9

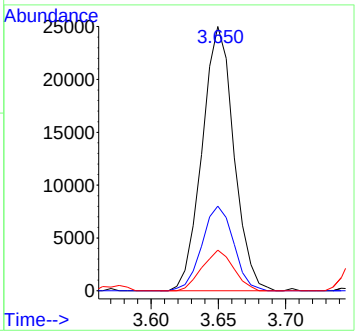


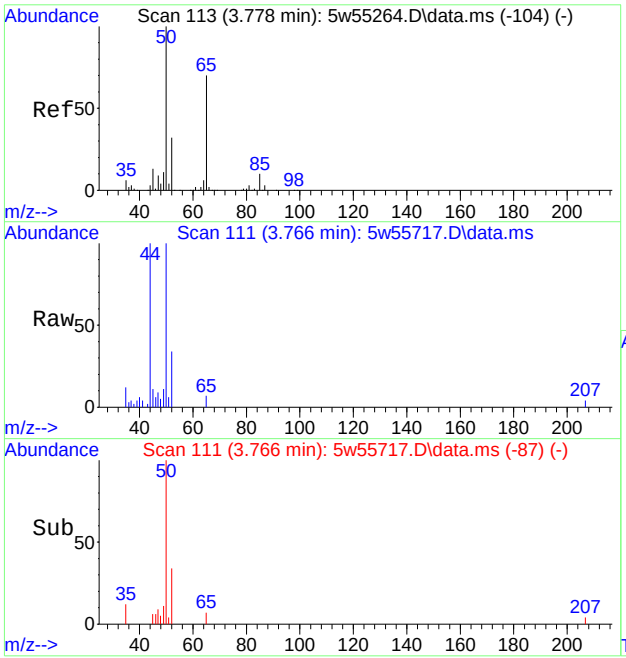


#6
DICHLORODIFLUOROMETHANE
Concen: 0.72 PPBV
RT: 3.650 min Scan# 92
Delta R.T. -0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 85 Resp: 41107

Ion	Ratio	Lower	Upper
85	100		
87	31.9	2.6	62.6
50	15.2	0.0	43.0

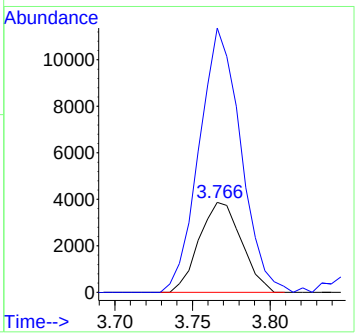


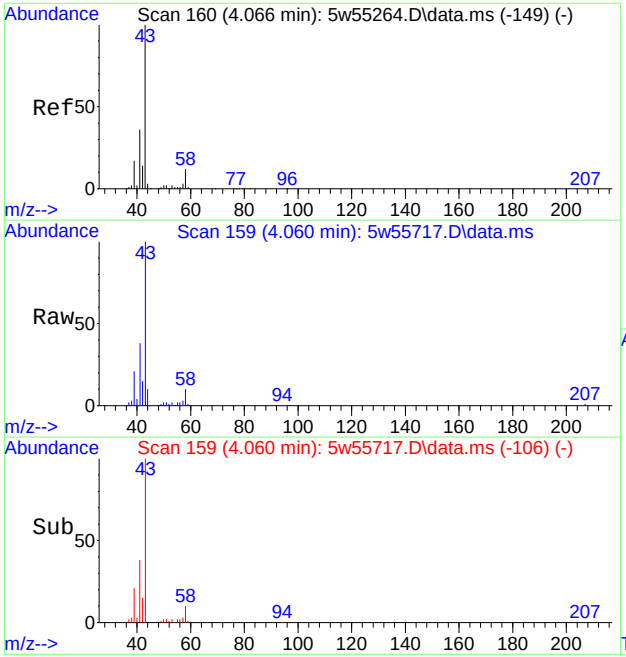


#10
CHLOROMETHANE
Concen: 0.99 PPBV
RT: 3.766 min Scan# 111
Delta R.T. -0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 52 Resp: 7350

Ion	Ratio	Lower	Upper
52	100		
50	290.3	287.9	347.9

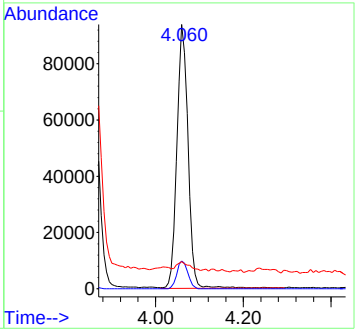


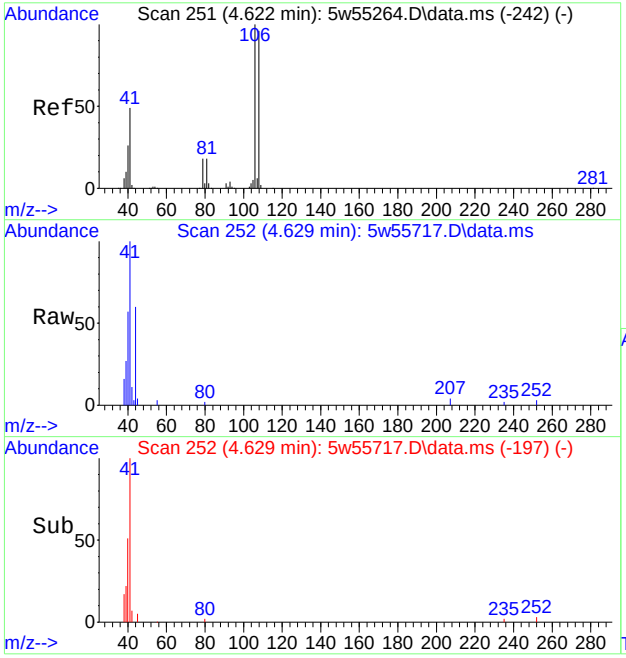


#13
n-BUTANE
Concen: 4.92 PPBV
RT: 4.060 min Scan# 159
Delta R.T. -0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 43 Resp: 164897

Ion	Ratio	Lower	Upper
43	100		
58	10.4	0.0	41.6
44	6.2	0.0	34.7

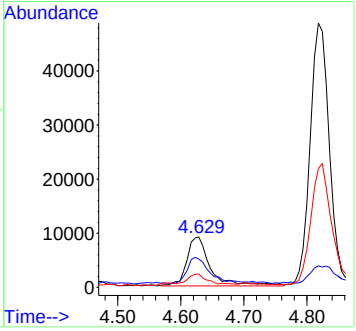


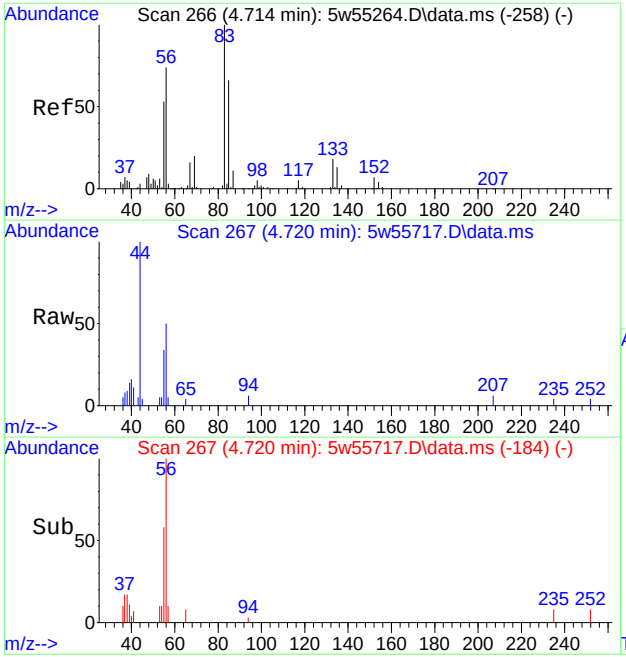


#17
ACETONITRILE
Concen: 1.22 PPBV
RT: 4.629 min Scan# 252
Delta R.T. 0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 41 Resp: 23651

Ion	Ratio	Lower	Upper
41	100		
40	57.5	38.4	71.4
39	25.2	13.7	25.5

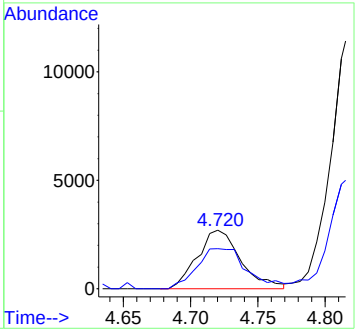


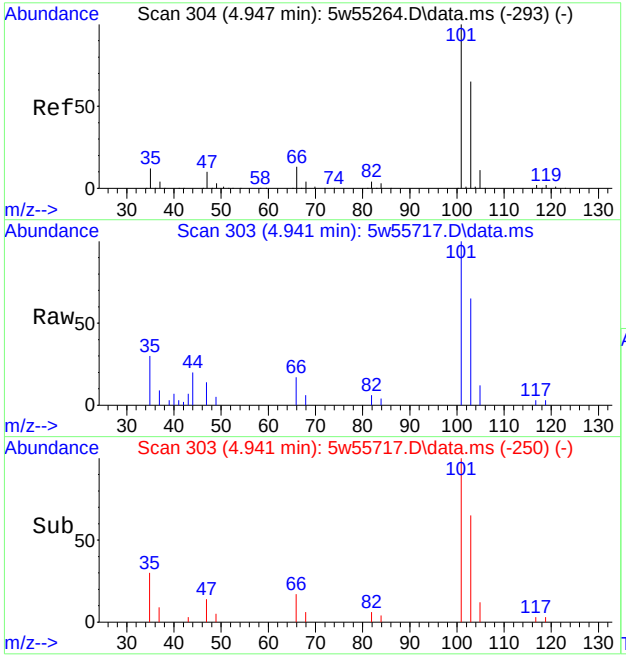


#18
ACROLEIN
Concen: 0.72 PPBV
RT: 4.720 min Scan# 267
Delta R.T. 0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 56 Resp: 6082

Ion	Ratio	Lower	Upper
56	100		
55	80.5	49.8	92.6

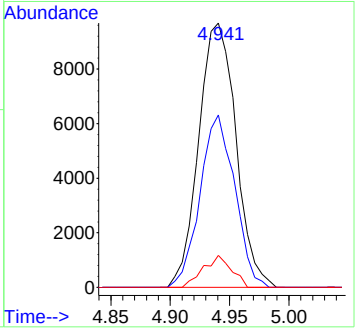


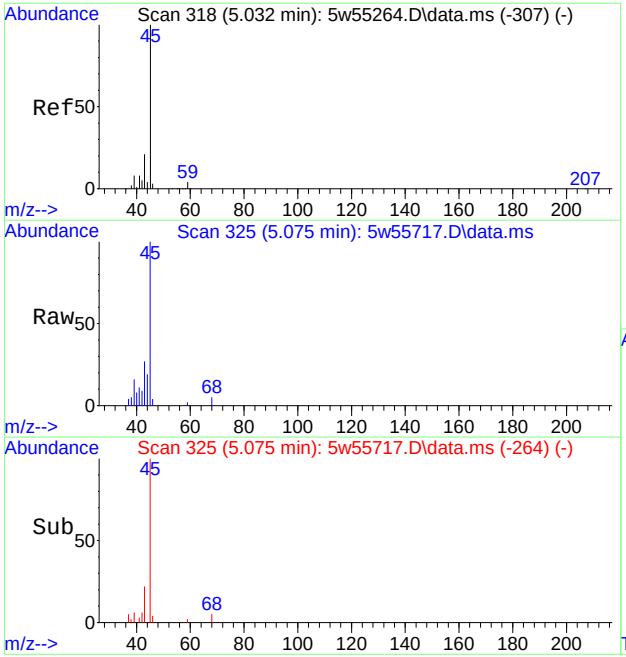


#21
TRICHLOROFLUOROMETHANE
Concen: 0.40 PPBV
RT: 4.941 min Scan# 303
Delta R.T. -0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion:101 Resp: 21099

Ion	Ratio	Lower	Upper
101	100		
103	60.7	34.7	94.7
105	9.1	0.0	40.5

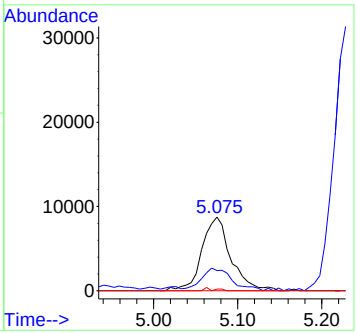


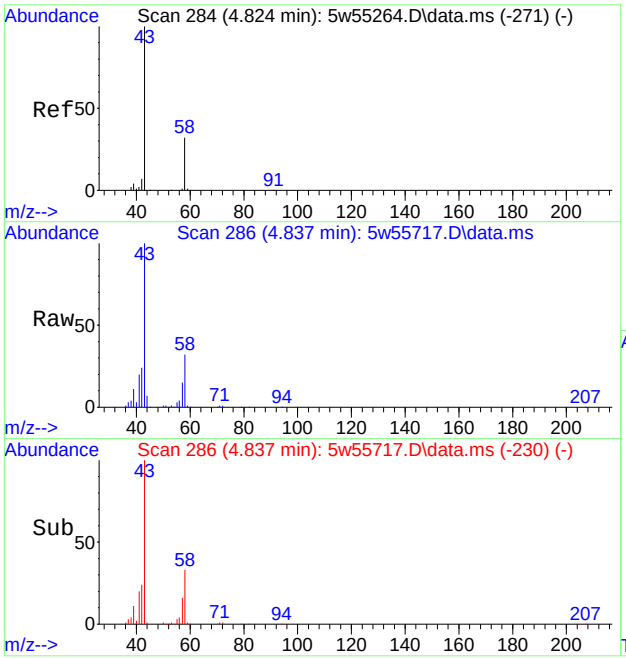


#22
ISOPROPYL ALCOHOL
Concen: 0.62 PPBV
RT: 5.075 min Scan# 325
Delta R.T. 0.043 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 45 Resp: 20961

Ion	Ratio	Lower	Upper
45	100		
43	27.4	0.0	50.8
59	2.3	0.0	33.8

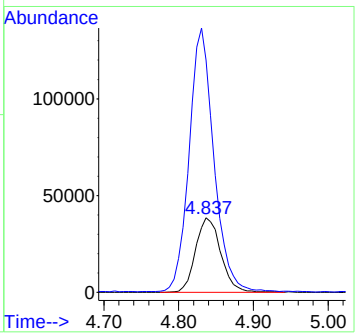


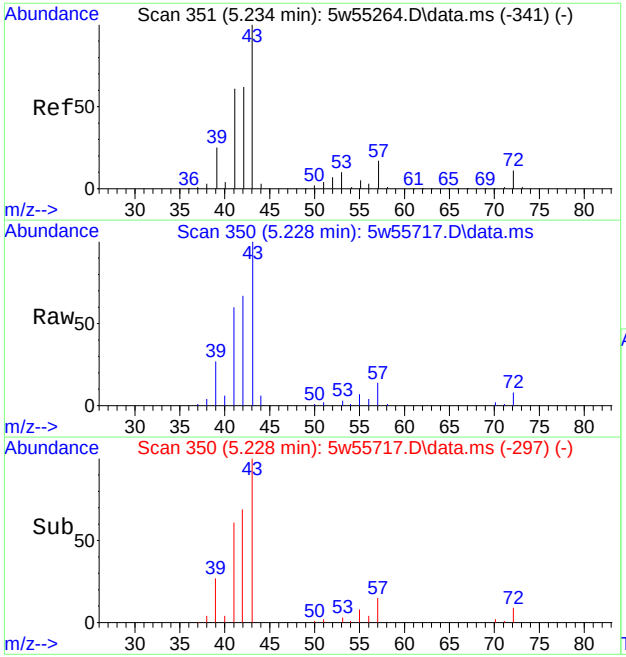


#23
ACETONE
Concen: 7.16 PPBV
RT: 4.837 min Scan# 286
Delta R.T. 0.012 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 58 Resp: 90583

Ion	Ratio	Lower	Upper
58	100		
43	346.9	312.3	372.3

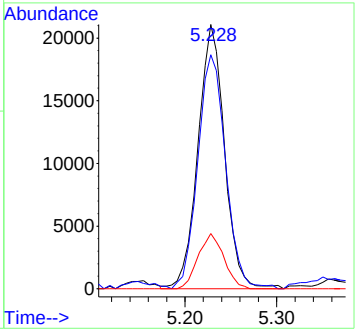


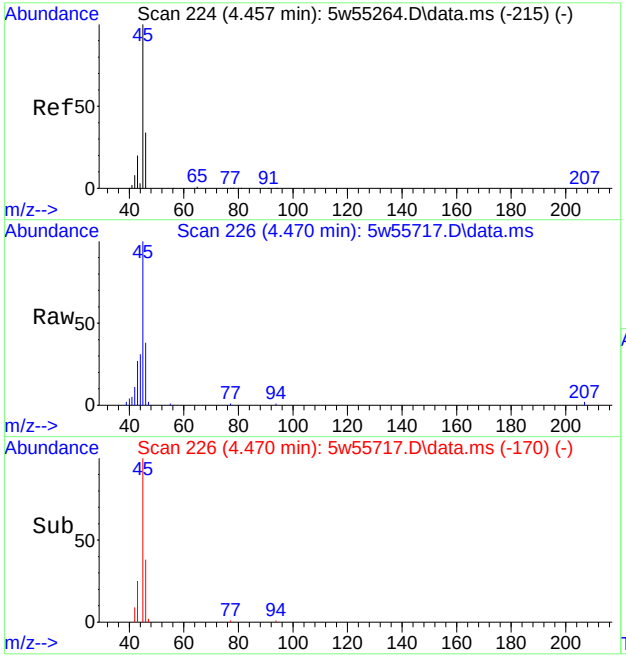


#24
PENTANE
Concen: 2.55 PPBV
RT: 5.228 min Scan# 350
Delta R.T. -0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 42 Resp: 42490

Ion	Ratio	Lower	Upper
42	100		
41	92.6	64.4	124.4
57	20.3	0.0	55.0

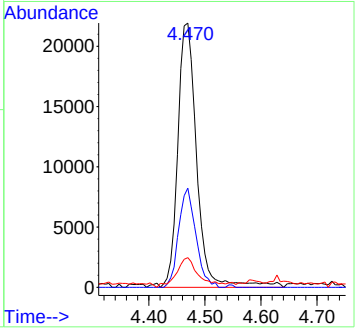


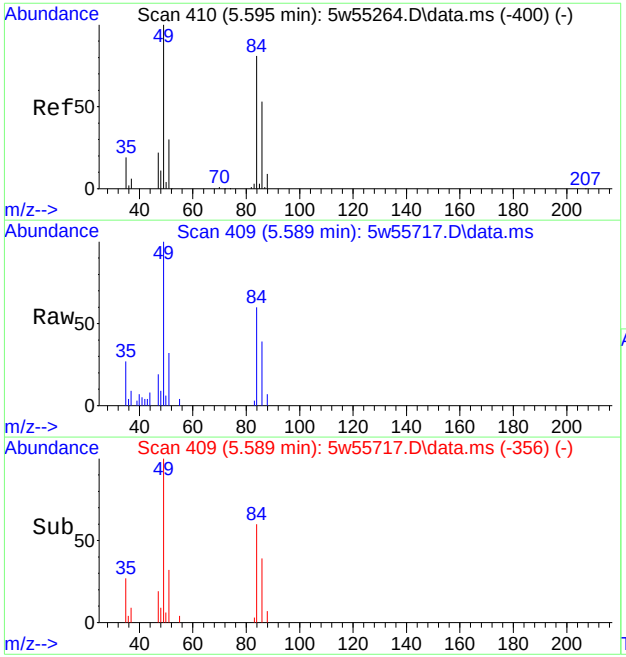


#28
ETHANOL
Concen: 4.20 PPBV
RT: 4.470 min Scan# 226
Delta R.T. 0.012 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 45 Resp: 51672

Ion	Ratio	Lower	Upper
45	100		
46	34.1	4.5	64.5
42	14.5	0.0	38.6

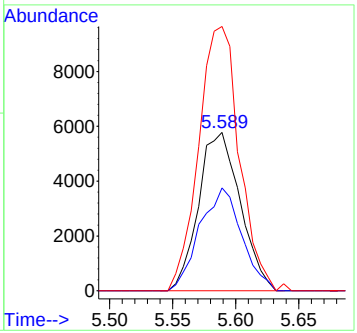


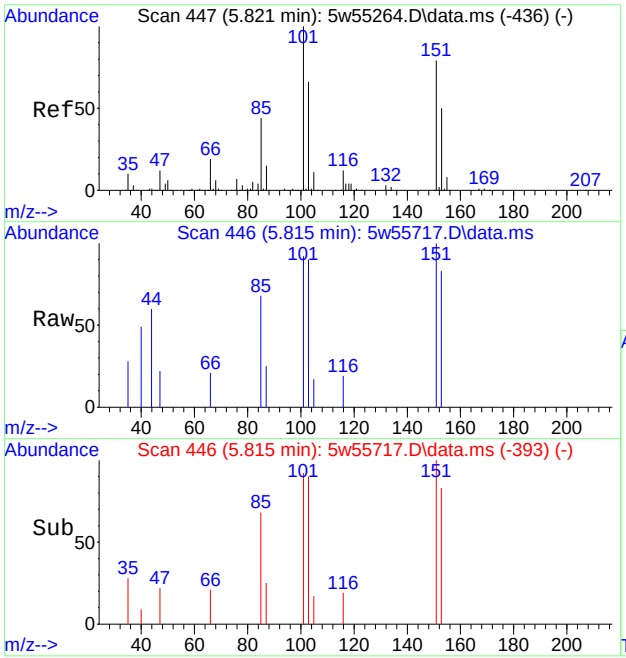


#31
METHYLENE CHLORIDE
Concen: 0.81 PPBV
RT: 5.589 min Scan# 409
Delta R.T. -0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 84 Resp: 13242

Ion	Ratio	Lower	Upper
84	100		
86	65.5	34.0	94.0
49	163.4	105.8	165.8

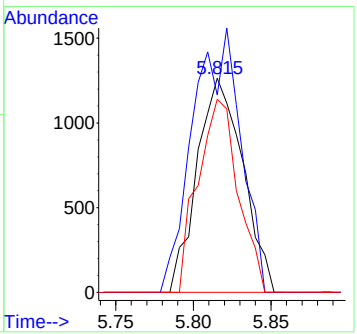


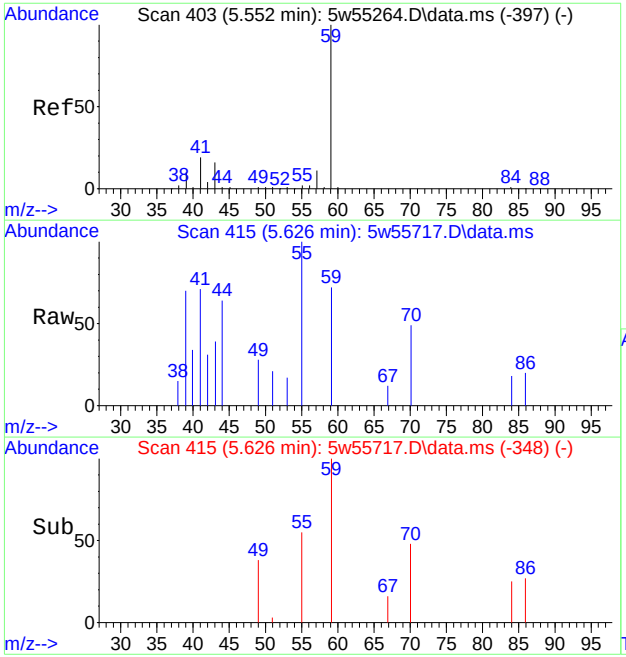


#33
FREON 113
Concen: 0.09 PPBV
RT: 5.815 min Scan# 446
Delta R.T. -0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion:151 Resp: 2590

Ion	Ratio	Lower	Upper
151	100		
101	128.7	112.2	172.2
103	79.4	62.0	122.0

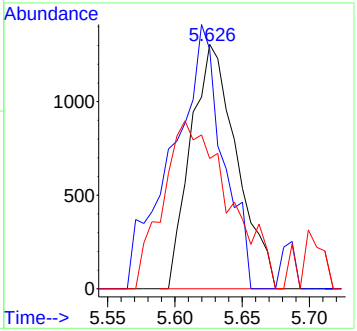


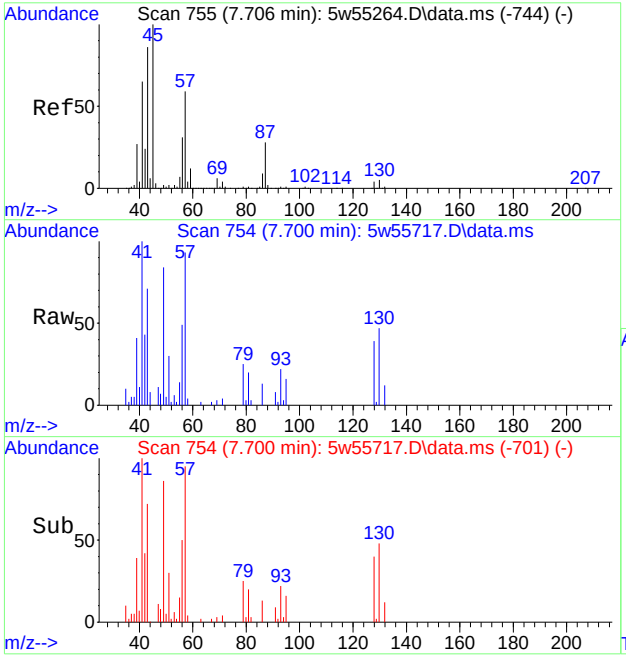


#35
TERTIARY BUTYL ALCOHOL
Concen: 0.10 PPBV
RT: 5.626 min Scan# 415
Delta R.T. 0.080 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 59 Resp: 3127

Ion	Ratio	Lower	Upper
59	100		
41	118.1	0.0	53.1#
43	98.1	0.0	47.1#

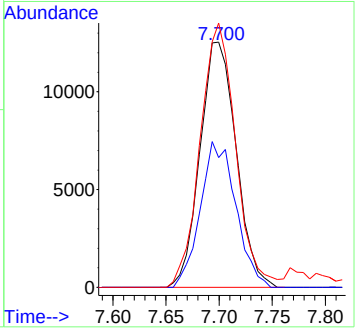


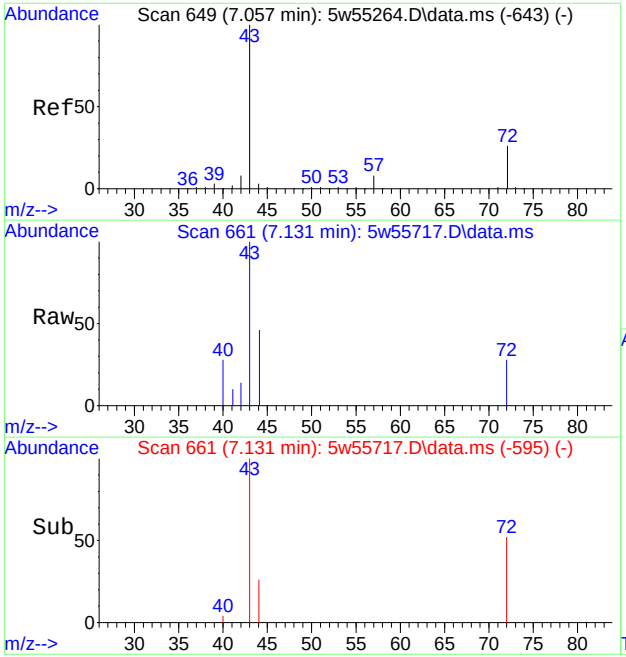


#38
HEXANE
Concen: 1.21 PPBV
RT: 7.700 min Scan# 754
Delta R.T. -0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 57 Resp: 29755

Ion	Ratio	Lower	Upper
57	100		
56	58.1	24.2	84.2
41	105.3	92.1	152.1

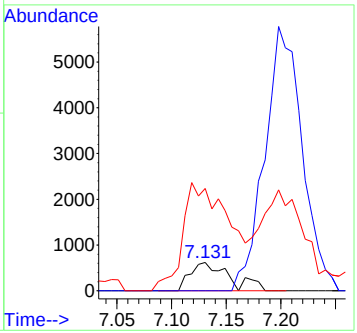


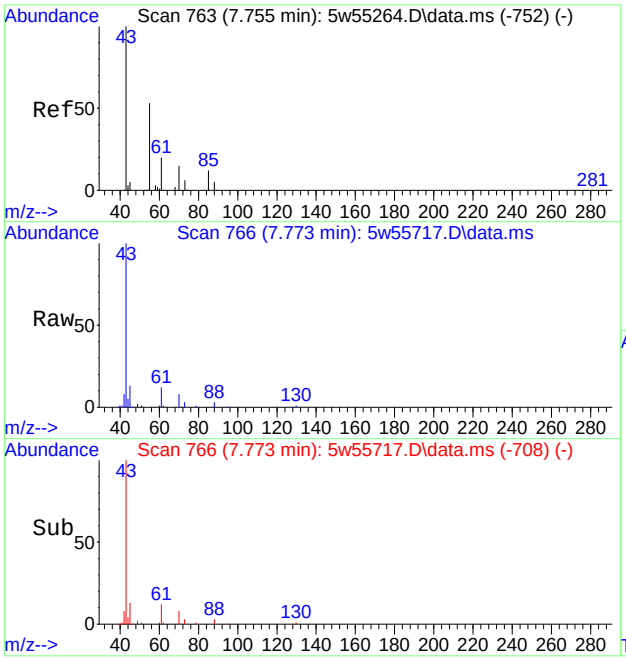


#41
METHYL ETHYL KETONE
Concen: 0.23 PPBV m
RT: 7.131 min Scan# 661
Delta R.T. 0.073 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 72 Resp: 1558

Ion	Ratio	Lower	Upper
72	100		
57	0.0	1.1	61.1#
43	361.9	390.6	450.6#

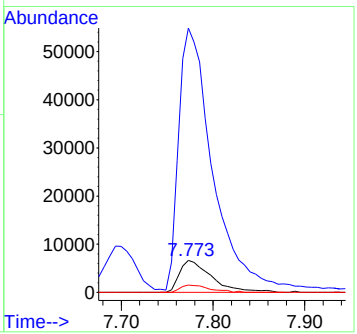


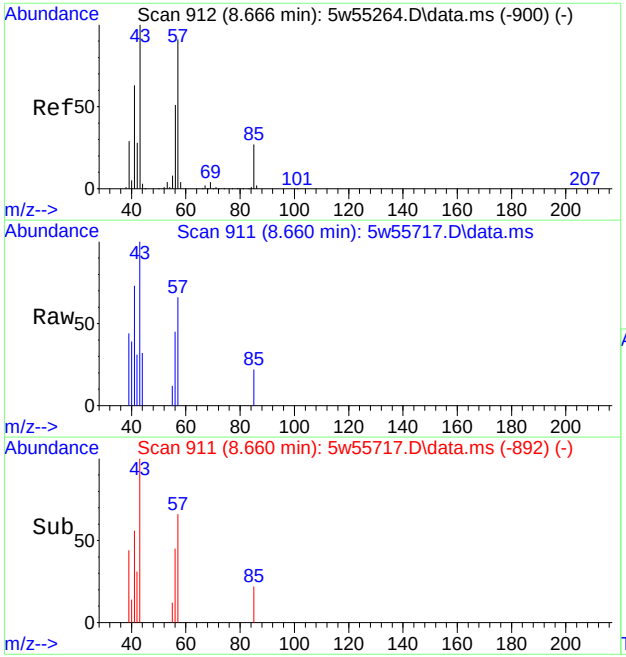


#44
ETHYL ACETATE
Concen: 3.24 PPBV
RT: 7.773 min Scan# 766
Delta R.T. 0.024 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 61 Resp: 16258

Ion	Ratio	Lower	Upper
61	100		
43	898.0	0.0	30.0#
88	20.8	7.3	67.3

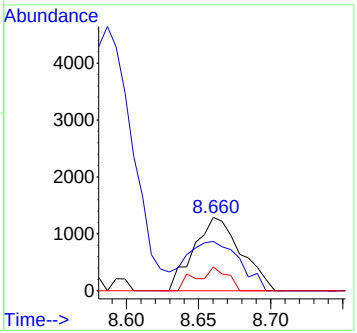


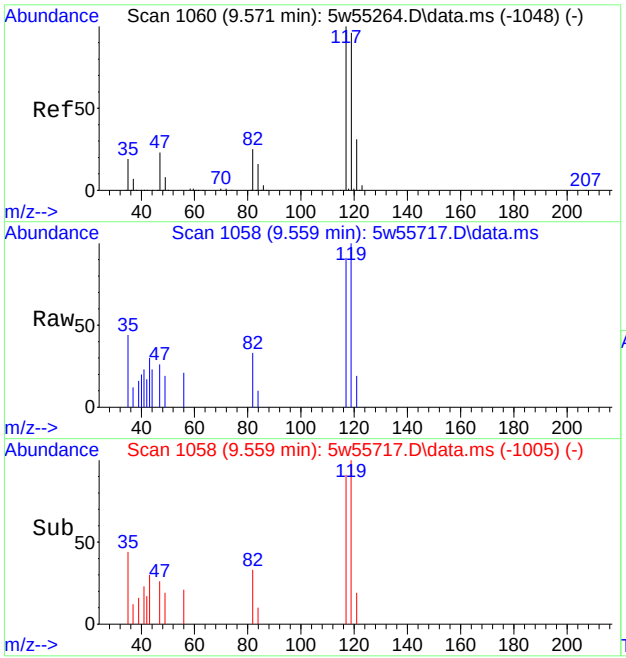


#47
2,4-DIMETHYLPENTANE
Concen: 0.11 PPBV
RT: 8.660 min Scan# 911
Delta R.T. -0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 57 Resp: 2940

Ion	Ratio	Lower	Upper
57	100		
56	76.5	26.4	86.4
85	21.3	0.0	56.0

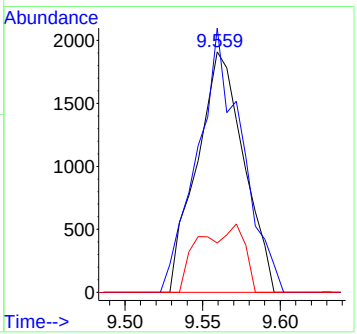


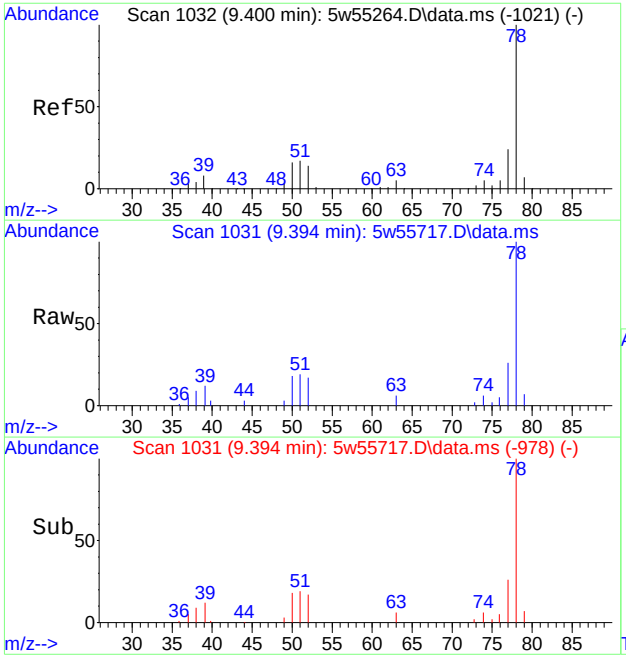


#49
CARBON TETRACHLORIDE
Concen: 0.09 PPBV
RT: 9.559 min Scan# 1058
Delta R.T. -0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion:117 Resp: 3996

Ion	Ratio	Lower	Upper
117	100		
119	104.8	65.9	125.9
121	27.3	0.7	60.7

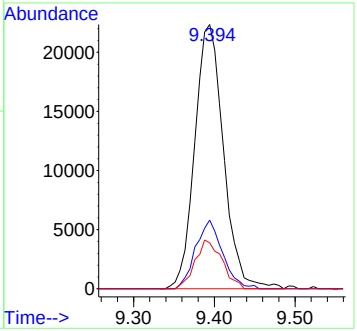


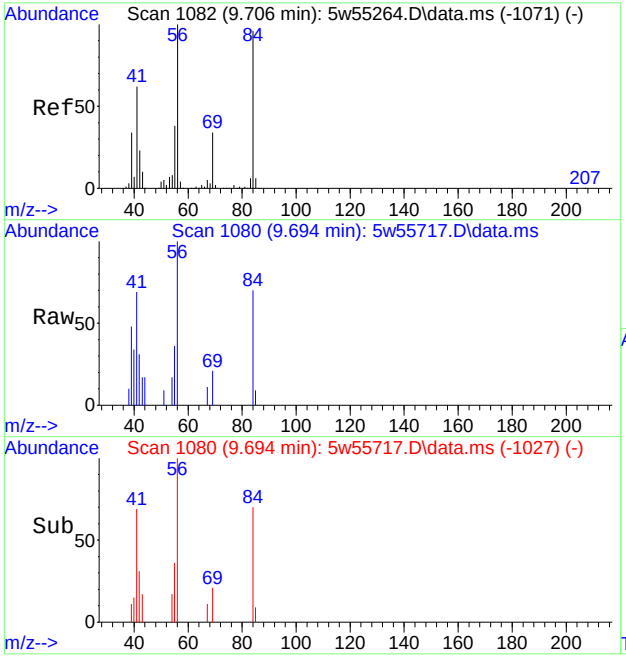


#52
BENZENE
Concen: 0.96 PPBV
RT: 9.394 min Scan# 1031
Delta R.T. -0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 78 Resp: 55338

Ion	Ratio	Lower	Upper
78	100		
77	24.5	0.0	54.0
52	17.3	0.0	45.6

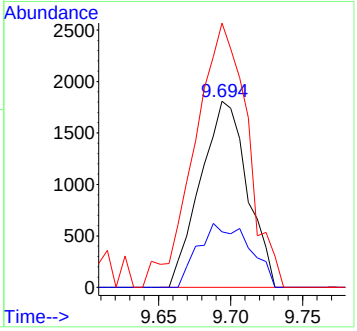


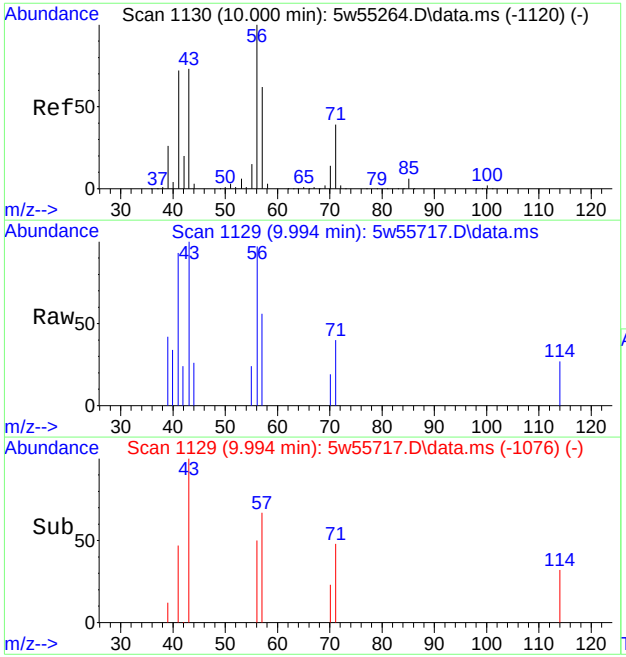


#53
CYCLOHEXANE
Concen: 0.19 PPBV
RT: 9.694 min Scan# 1080
Delta R.T. -0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 84 Resp: 4104

Ion	Ratio	Lower	Upper
84	100		
69	37.4	7.0	67.0
56	159.7	86.5	146.5#

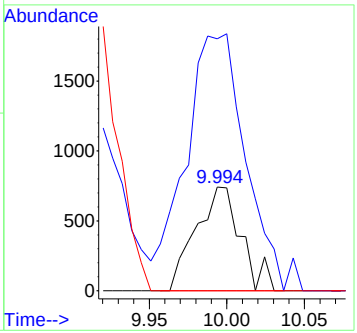


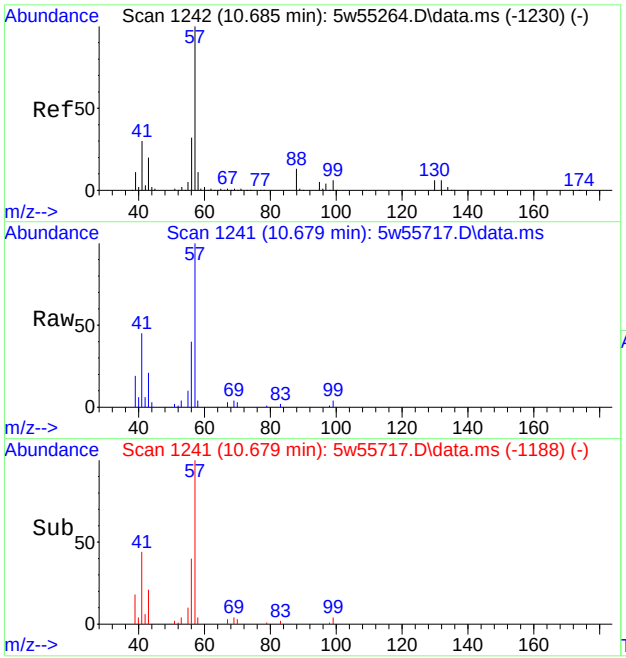


#54
2,3-DIMETHYLPENTANE
Concen: 0.13 PPBV
RT: 9.994 min Scan# 1129
Delta R.T. -0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 71 Resp: 1495

Ion	Ratio	Lower	Upper
71	100		
56	332.4	235.4	295.4#
85	0.0	0.0	45.3

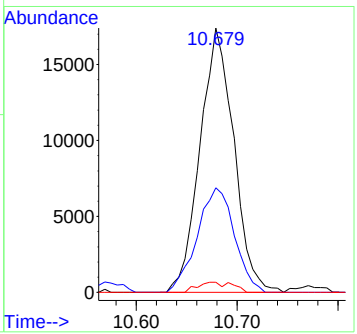


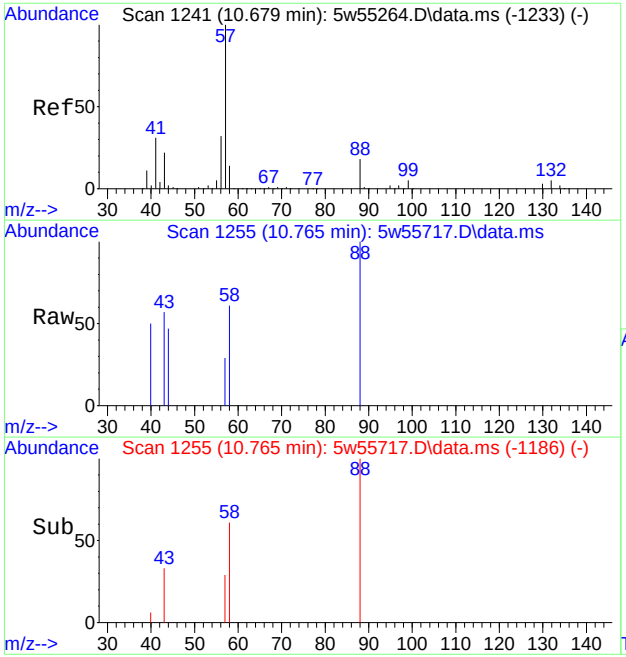


#60
2,2,4-TRIMETHYLPENTANE
Concen: 0.46 PPBV
RT: 10.679 min Scan# 1241
Delta R.T. -0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 57 Resp: 40594

Ion	Ratio	Lower	Upper
57	100		
56	43.5	2.2	62.2
99	4.0	0.0	37.6

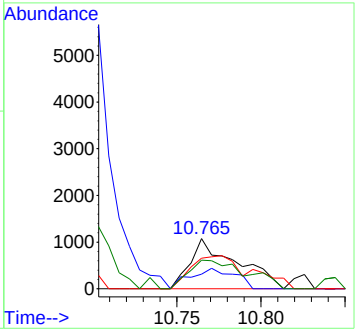


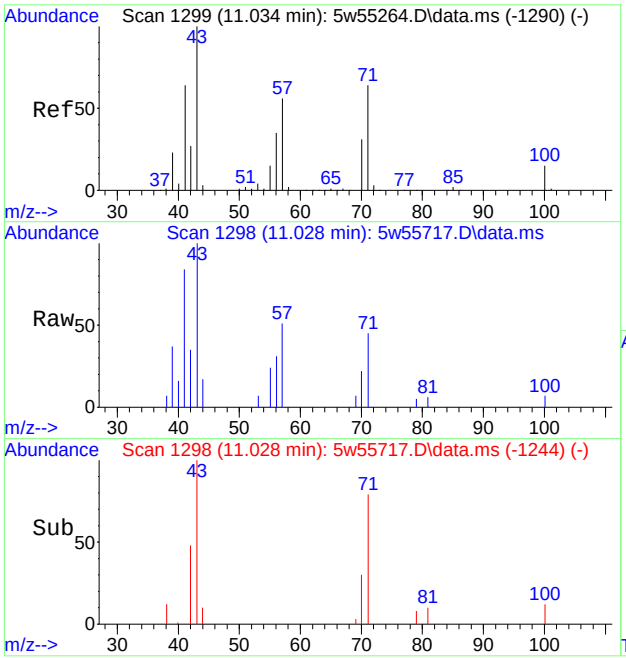


#61
1,4-DIOXANE
Concen: 0.15 PPBV
RT: 10.765 min Scan# 1255
Delta R.T. 0.092 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 88 Resp: 2063

Ion	Ratio	Lower	Upper
88	100		
57	29.2	493.0	553.0#
58	60.6	54.8	114.8
43	56.8	94.7	154.7#

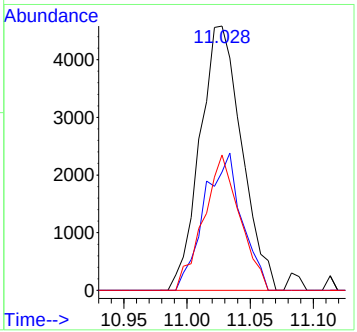


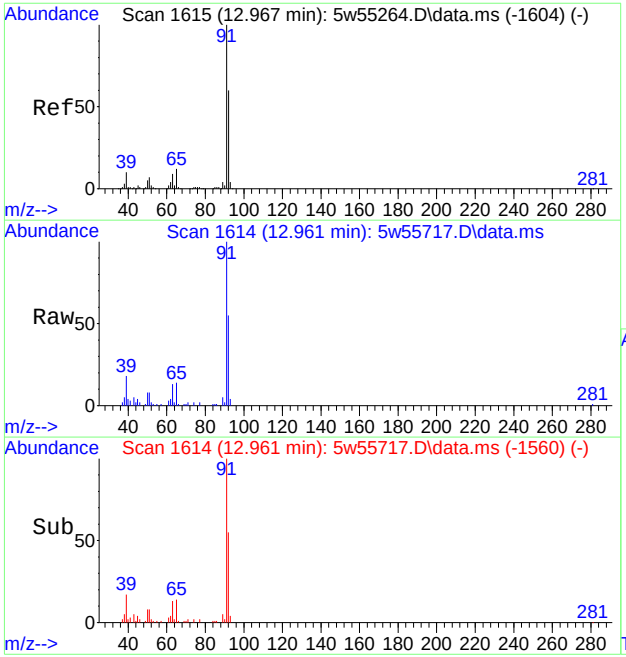


#62
HEPTANE
Concen: 0.34 PPBV
RT: 11.028 min Scan# 1298
Delta R.T. 0.000 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 43 Resp: 10550

Ion	Ratio	Lower	Upper
43	100		
71	46.8	27.2	87.2
57	44.6	22.5	82.5

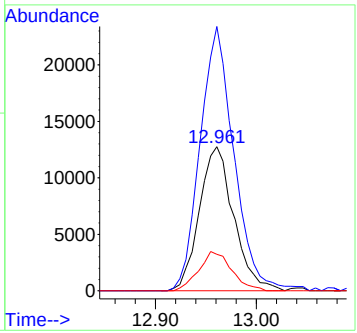


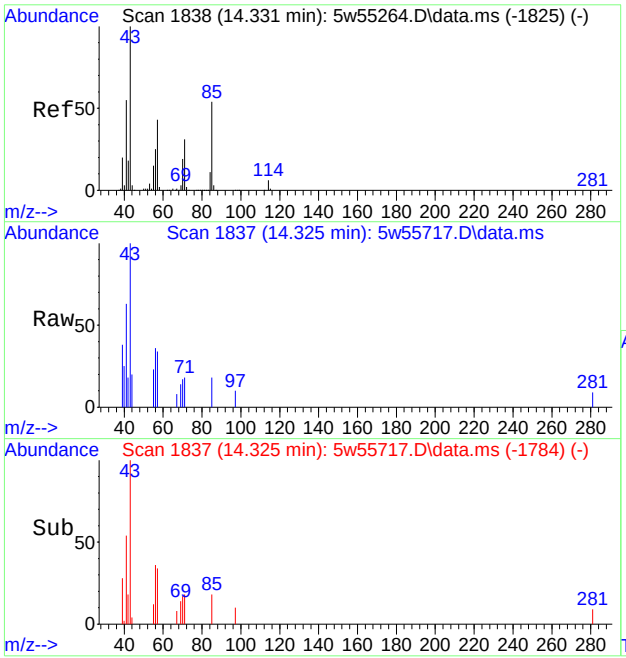


#66
TOLUENE
Concen: 0.75 PPBV
RT: 12.961 min Scan# 1614
Delta R.T. 0.000 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 92 Resp: 30255

Ion	Ratio	Lower	Upper
92	100		
91	181.0	143.4	203.4
65	26.2	0.0	53.8

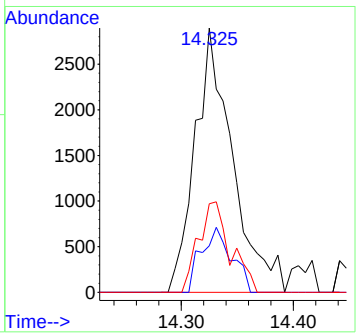


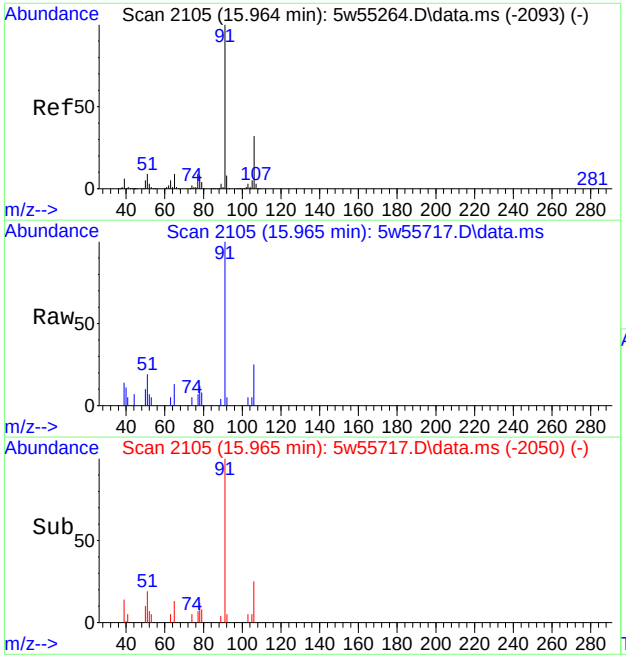


#76
OCTANE
Concen: 0.15 PPBV
RT: 14.325 min Scan# 1837
Delta R.T. -0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 43 Resp: 6737

Ion	Ratio	Lower	Upper
43	100		
85	19.9	13.7	73.7
57	29.2	9.9	69.9

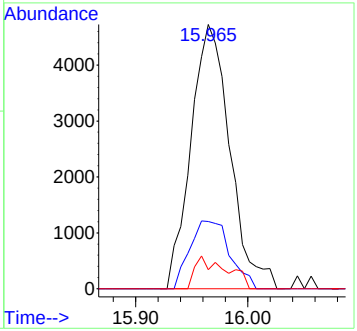


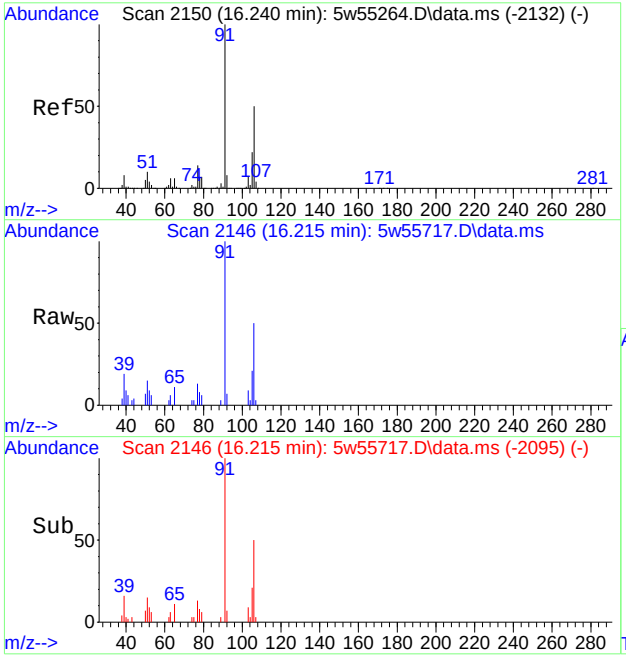


#79
ETHYLBENZENE
Concen: 0.12 PPBV
RT: 15.965 min Scan# 2105
Delta R.T. 0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 91 Resp: 11469

Ion	Ratio	Lower	Upper
91	100		
106	26.2	0.0	59.9
77	9.9	0.0	39.1

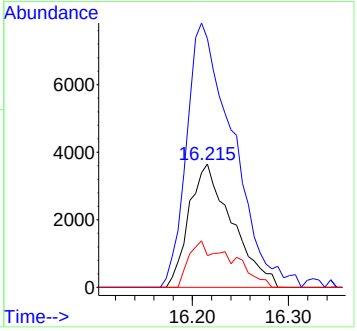


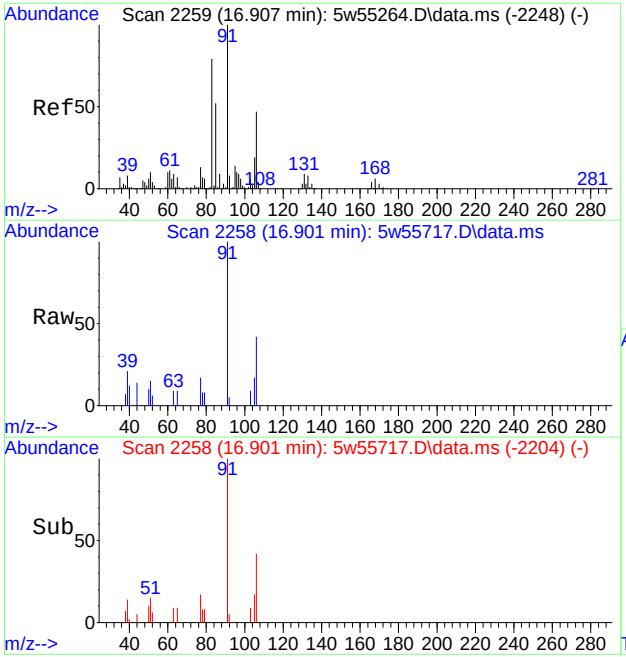


#80
m,p-XYLENE
Concen: 0.32 PPBV
RT: 16.215 min Scan# 2146
Delta R.T. -0.018 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion:106 Resp: 11351

Ion	Ratio	Lower	Upper
106	100		
91	201.5	181.2	241.2
77	25.8	0.1	60.1

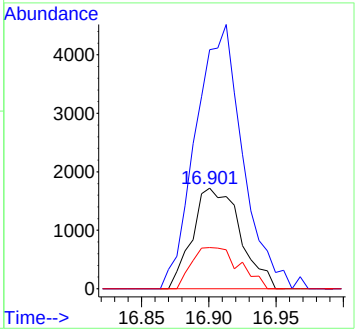


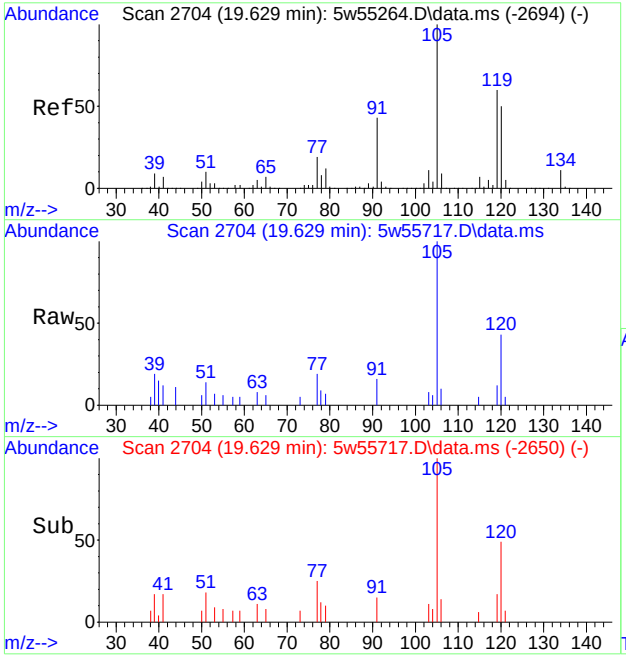


#81
o-XYLENE
Concen: 0.12 PPBV
RT: 16.901 min Scan# 2258
Delta R.T. 0.000 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion:106 Resp: 4250

Ion	Ratio	Lower	Upper
106	100		
91	259.6	193.4	253.4#
77	40.9	0.0	59.8

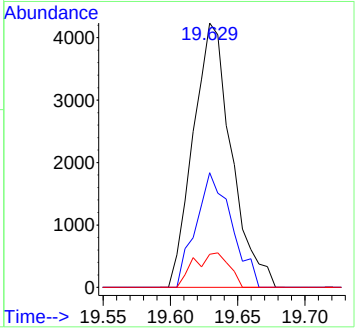




#96
1,2,4-TRIMETHYLBENZENE
Concen: 0.10 PPBV
RT: 19.629 min Scan# 2704
Delta R.T. 0.000 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion:105 Resp: 8380

Ion	Ratio	Lower	Upper
105	100		
120	40.5	22.6	82.6
119	12.0	69.7	129.7#



Manual Integration Approval Summary

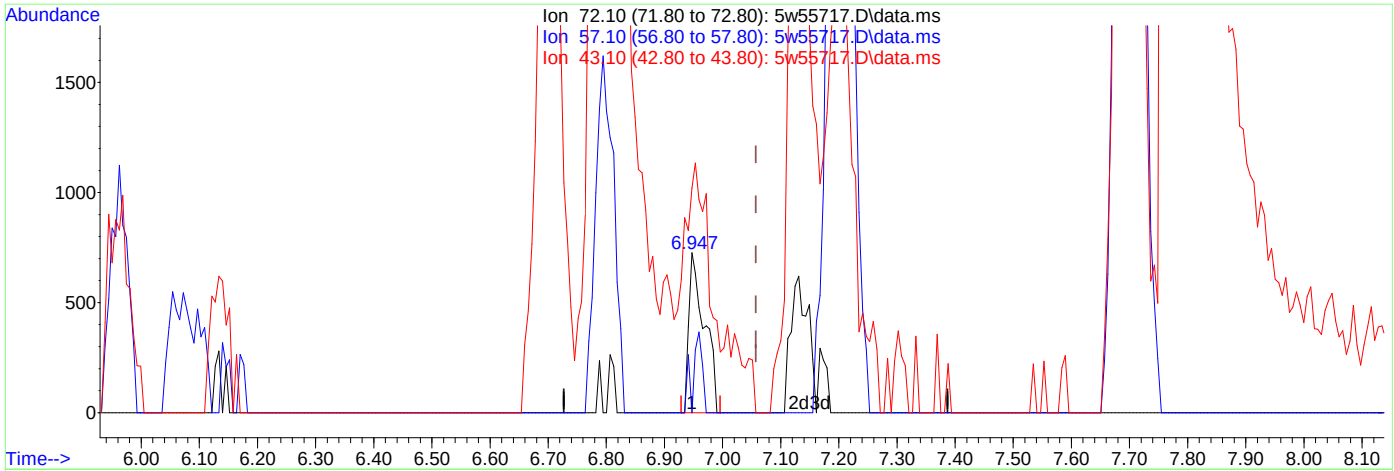
Sample Number: JE2488-2DUP
Lab FileID: 5W55717.D
Injection Time: 12/18/24 09:29
Method: TO-15
Analyst approved: 12/20/24 20:17 Kanya Veerawat
Supervisor approved: 12/20/24 20:19 Kanya Veerawat

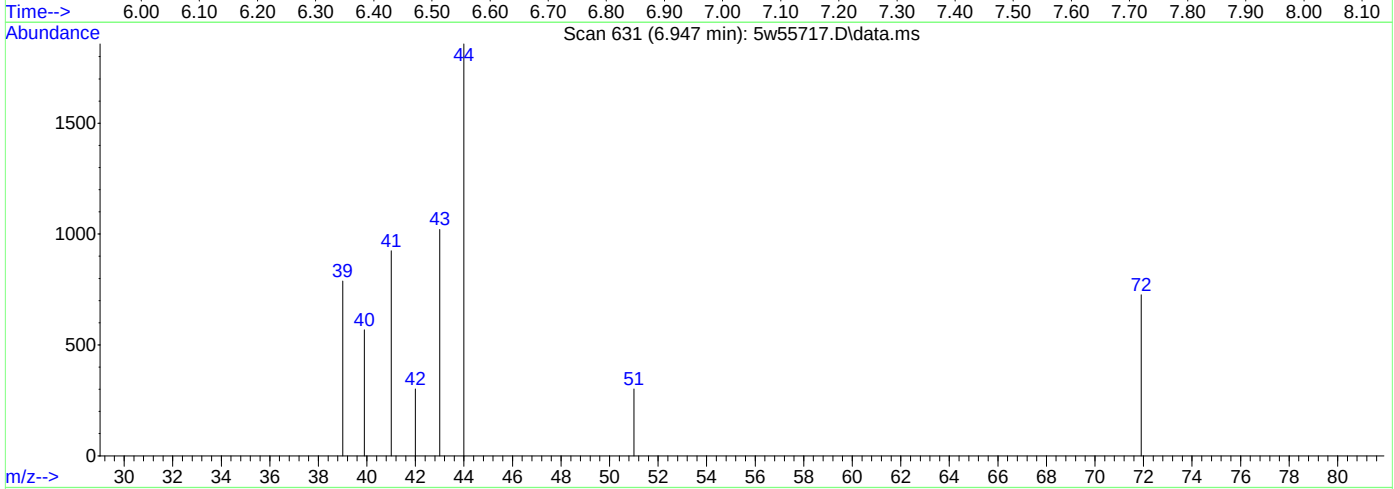
Parameter	CAS	Sig#	R.T. (min.)	Reason
Methyl ethyl ketone	78-93-3		7.13	Missed peak

Quantitation Report (Qedit)

Data Path : G:\Dayton\MSAIR\Done\2024\December\18 Dec 2024\V5W2133\
Data File : 5w55717.D
Acq On : 18 Dec 2024 9:29 am
Operator : thomash
Sample : je2488-2dup
Misc : MS88104,V5W2133,500,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 18 14:55:42 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration





TIC: 5w55717.D\data.ms

(41) METHYL ETHYL KETONE

6.947min (-0.110) 0.20PPBV

response 1345

Ion	Exp%	Act%
72.10	100	100
57.10	31.10	0.00#
43.10	420.60	140.63#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : R:\MSAIR\Done\2024\December\23 Dec 2024\v5w2136\
Data File : 5w55785.D
Acq On : 20 Dec 2024 7:03 pm
Operator : thomash
Sample : je2665-1dup Inst : GCMS5W
Misc : MS88187,V5W2136,100,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 23 16:07:39 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

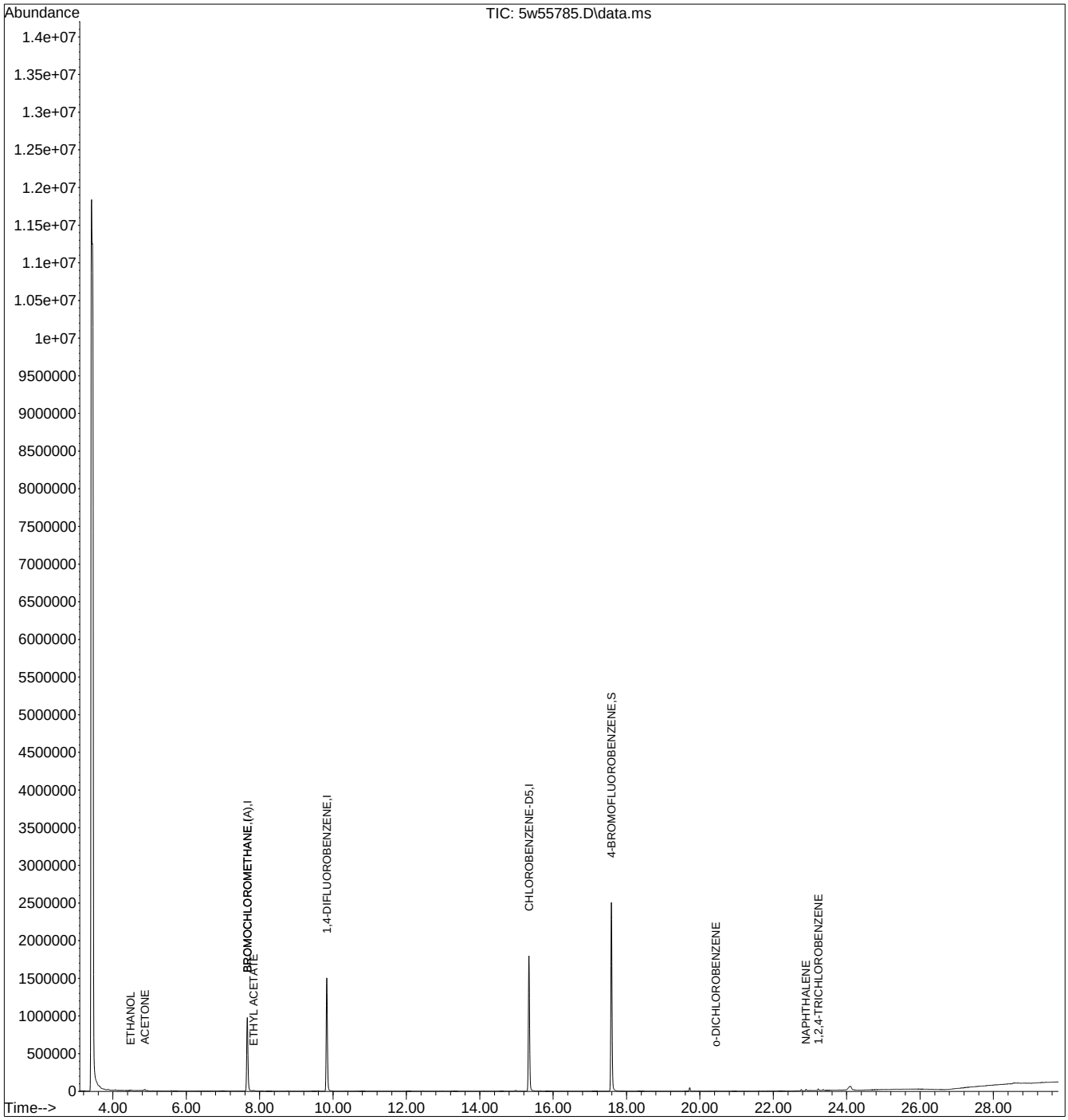
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	7.663	128	276928	10.00	PPBV	0.00
51) 1,4-DIFLUOROBENZENE	9.829	114	1339103	10.00	PPBV	0.00
70) CHLOROBENZENE-D5	15.341	82	728500	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	7.663	128	276928	10.00	PPBV	# 0.00
System Monitoring Compounds						
85) 4-BROMOFLUOROBENZENE	17.586	95	918485	11.27	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 112.70%			
Target Compounds						Qvalue
23) ACETONE	4.867	58	8491	0.3802	PPBV	# 78
28) ETHANOL	4.482	45	11825	0.5445	PPBV	90
44) ETHYL ACETATE	7.834	61	1758	0.1984	PPBV	# 38
103) o-DICHLOROBENZENE	20.430	146	2425	0.0268	PPBV	83
107) 1,2,4-TRICHLOROBENZENE	23.226	180	9413	0.1167	PPBV	92
108) NAPHTHALENE	22.890	128	17643	0.0996	PPBV	95

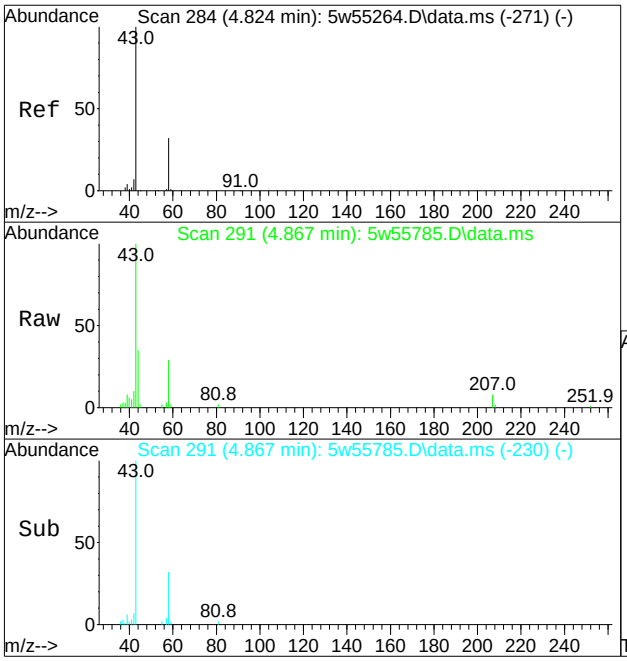
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : R:\MSAIR\Done\2024\December\23 Dec 2024\v5w2136\
Data File : 5w55785.D
Acq On : 20 Dec 2024 7:03 pm
Operator : thomash
Sample : je2665-1dup Inst : GCMS5W
Misc : MS88187,V5W2136,100,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 23 16:07:39 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

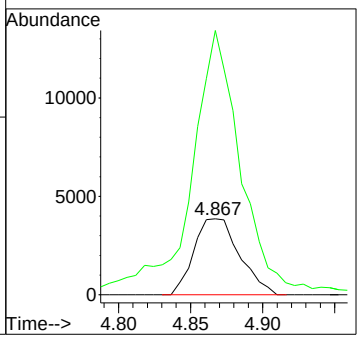


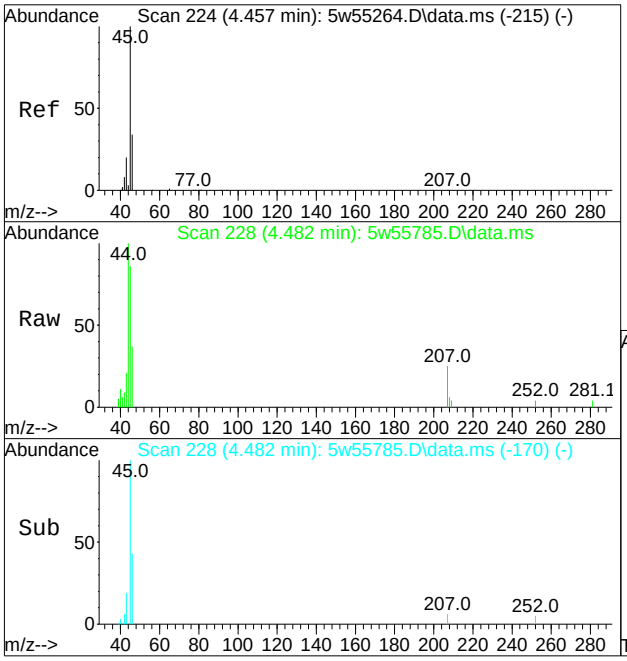


#23
ACETONE
Concen: 0.3802 PPBV
RT: 4.867 min Scan# 291
Delta R.T. 0.043 min
Lab File: 5w55785.D
Acq: 20 Dec 2024 7:03 pm

Tgt Ion: 58 Resp: 8491

Ion	Ratio	Lower	Upper
58	100		
43	389.2	312.3	372.3#

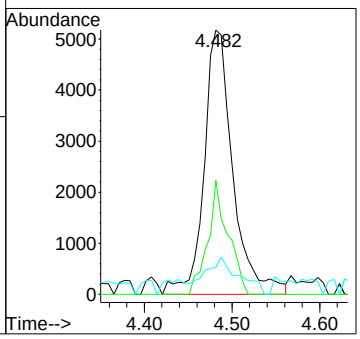


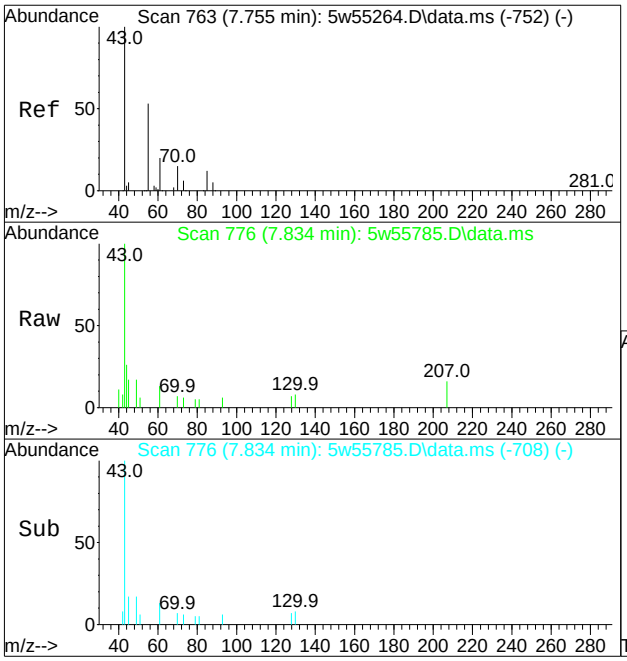


#28
ETHANOL
Concen: 0.5445 PPBV
RT: 4.482 min Scan# 228
Delta R.T. 0.024 min
Lab File: 5w55785.D
Acq: 20 Dec 2024 7:03 pm

Tgt Ion: 45 Resp: 11825

Ion	Ratio	Lower	Upper
45	100		
46	30.2	4.5	64.5
42	16.3	0.0	38.6

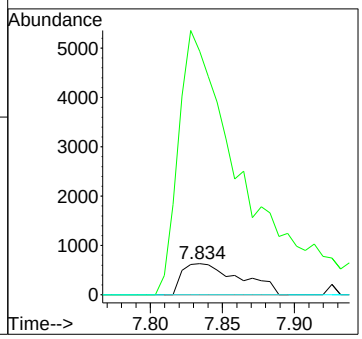


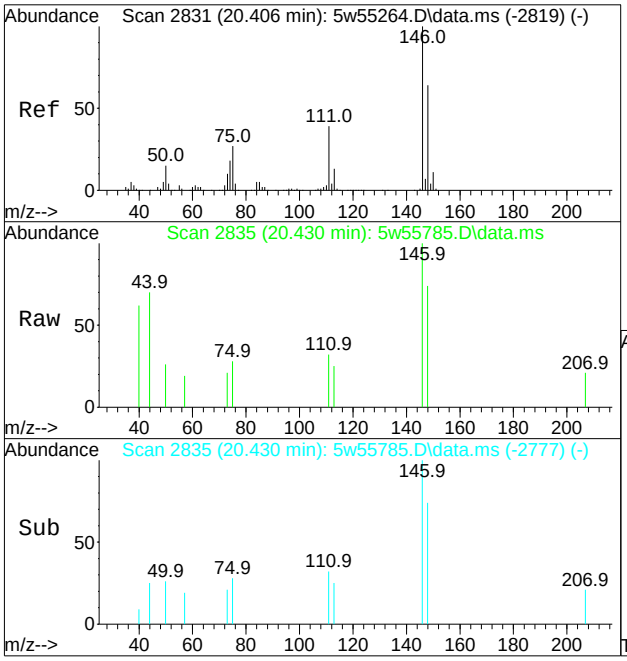


#44
ETHYL ACETATE
Concen: 0.1984 PPBV
RT: 7.834 min Scan# 776
Delta R.T. 0.086 min
Lab File: 5w55785.D
Acq: 20 Dec 2024 7:03 pm

Tgt Ion: 61 Resp: 1758

Ion	Ratio	Lower	Upper
61	100		
43	1032.1	0.0	30.0#
88	0.0	7.3	67.3#

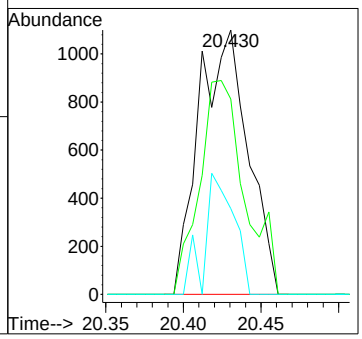


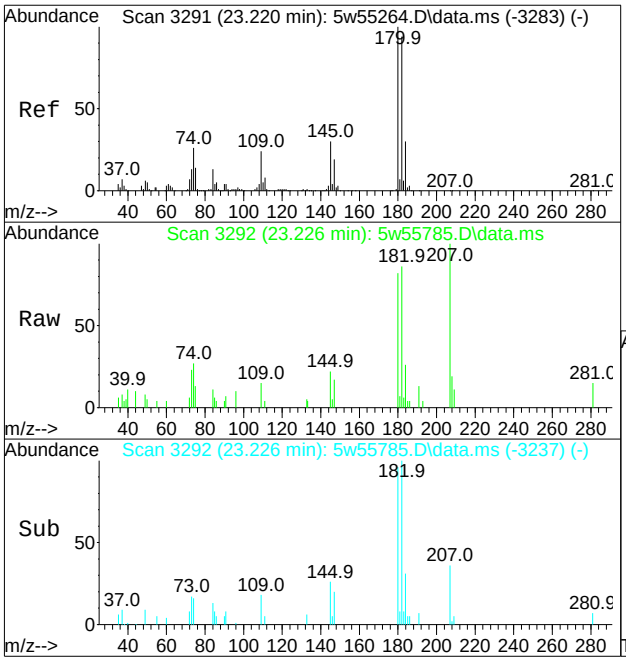


#103
o-DICHLOROBENZENE
Concen: 0.0268 PPBV
RT: 20.430 min Scan# 2835
Delta R.T. 0.024 min
Lab File: 5w55785.D
Acq: 20 Dec 2024 7:03 pm

Tgt Ion:146 Resp: 2425

Ion	Ratio	Lower	Upper
146	100		
148	74.4	33.8	93.8
111	27.3	11.3	71.3

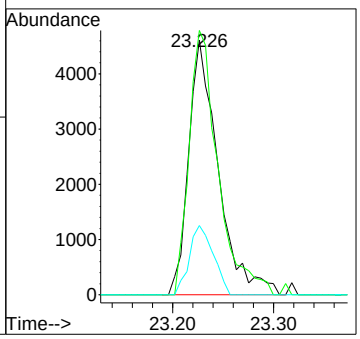


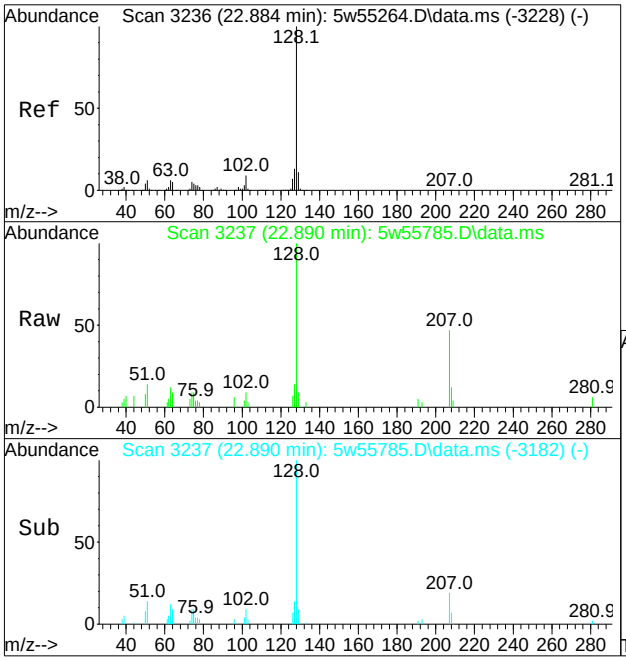


#107
1,2,4-TRICHLOROBENZENE
Concen: 0.1167 PPBV
RT: 23.226 min Scan# 3292
Delta R.T. 0.006 min
Lab File: 5w55785.D
Acq: 20 Dec 2024 7:03 pm

Tgt Ion:180 Resp: 9413

Ion	Ratio	Lower	Upper
180	100		
182	101.6	66.4	126.4
145	22.0	0.2	60.2

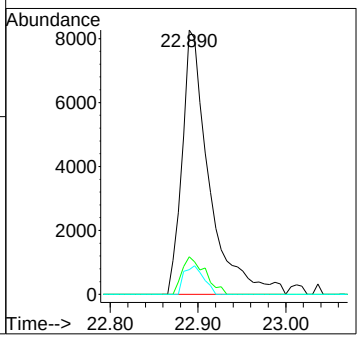




#108
NAPHTHALENE
Concen: 0.0996 PPBV
RT: 22.890 min Scan# 3237
Delta R.T. 0.006 min
Lab File: 5w55785.D
Acq: 20 Dec 2024 7:03 pm

Tgt Ion:128 Resp: 17643

Ion	Ratio	Lower	Upper
128	100		
127	12.2	0.0	43.1
129	7.9	0.0	41.1



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\122424\v5w2138\
Data File : 5w55826.D
Acq On : 23 Dec 2024 4:11 pm
Operator : thomash
Sample : je2315-1dup Inst : GCMS5W
Misc : MS88014,V5W2138,400,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 24 16:52:01 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

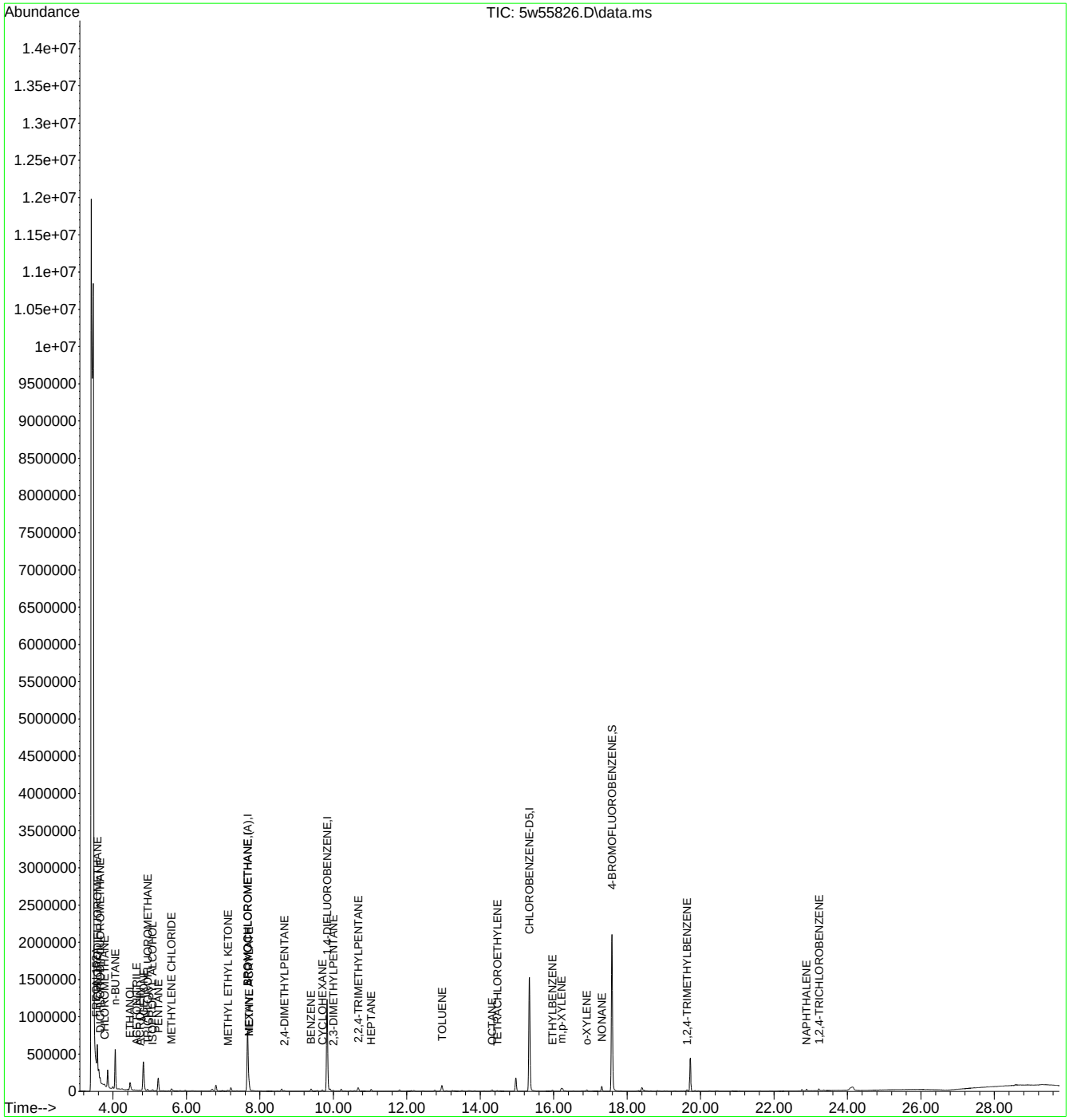
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	7.663	128	217553	10.00	PPBV	0.00
51) 1,4-DIFLUOROBENZENE	9.828	114	1077292	10.00	PPBV	0.00
70) CHLOROBENZENE-D5	15.334	82	621263	10.00	PPBV	-0.01
109) BROMOCHLOROMETHANE (A)	7.663	128	217553	10.00	PPBV	# 0.00
System Monitoring Compounds						
85) 4-BROMOFLUOROBENZENE	17.586	95	760224	10.93	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 109.30%			
Target Compounds						Qvalue
3) FREON 152A	3.539	65	17612	1.0942	PPBV #	43
4) CHLORODIFLUOROMETHANE	3.570	67	70935	8.4993	PPBV	99
6) DICHLORODIFLUOROMETHANE	3.650	85	33315	0.4190	PPBV	99
10) CHLOROMETHANE	3.772	52	4470	0.4360	PPBV #	81
13) n-BUTANE	4.059	43	439213	9.4501	PPBV #	94
17) ACETONITRILE	4.635	41	3723	0.1387	PPBV #	70
18) ACROLEIN	4.732	56	1588	0.1355	PPBV #	50
21) TRICHLOROFLUOROMETHANE	4.940	101	17117	0.2330	PPBV	98
22) ISOPROPYL ALCOHOL	5.075	45	24215	0.5202	PPBV	88
23) ACETONE	4.836	58	63014	3.5913	PPBV #	12
24) PENTANE	5.234	42	77918	3.3694	PPBV	97
28) ETHANOL	4.463	45	128568	7.5359	PPBV	99
31) METHYLENE CHLORIDE	5.589	84	13335	0.5844	PPBV	96
38) HEXANE	7.706	57	46133	1.3534	PPBV	84
41) METHYL ETHYL KETONE	7.124	72	5405	0.5728	PPBV	88
45) METHYL ACRYLATE	7.706	55	5623	0.1357	PPBV #	56
47) 2,4-DIMETHYLPENTANE	8.666	57	3784	0.1015	PPBV	88
52) BENZENE	9.394	78	32183	0.4122	PPBV	99
53) CYCLOHEXANE	9.700	84	7334	0.2500	PPBV	95
54) 2,3-DIMETHYLPENTANE	9.994	71	2176	0.1374	PPBV #	86
60) 2,2,4-TRIMETHYLPENTANE	10.679	57	42861	0.3615	PPBV	85
62) HEPTANE	11.028	43	12558	0.3032	PPBV	91
66) TOLUENE	12.961	92	40482	0.7412	PPBV	99
73) TETRACHLOROETHYLENE	14.472	164	2473	0.0609	PPBV	86
76) OCTANE	14.325	43	19766	0.3622	PPBV #	55
79) ETHYLBENZENE	15.964	91	15737	0.1374	PPBV	92
80) m,p-XYLENE	16.209	106	24925	0.5735	PPBV	98
81) o-XYLENE	16.901	106	6839	0.1621	PPBV	88
83) NONANE	17.310	43	31896	0.5601	PPBV	99
96) 1,2,4-TRIMETHYLBENZENE	19.629	105	11668	0.1080	PPBV #	40
107) 1,2,4-TRICHLOROBENZENE	23.226	180	9822	0.1428	PPBV	95
108) NAPHTHALENE	22.884	128	19361	0.1282	PPBV	97

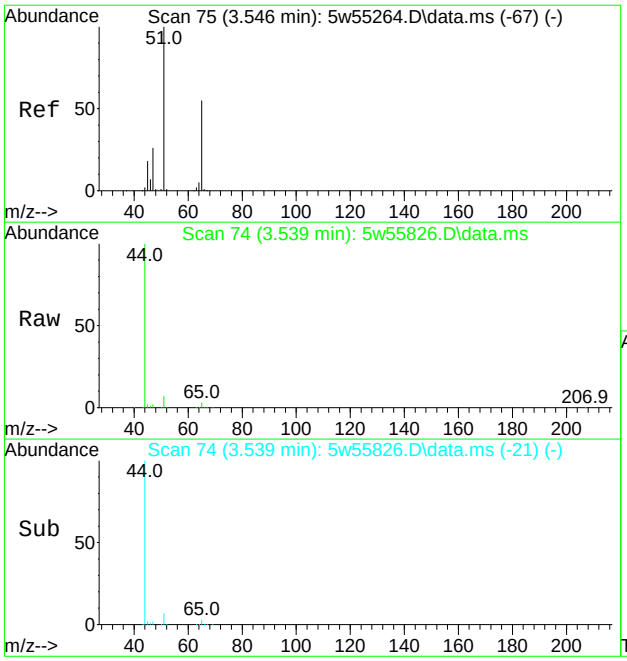
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\122424\v5w2138\
Data File : 5w55826.D
Acq On : 23 Dec 2024 4:11 pm
Operator : thomash
Sample : je2315-1dup Inst : GCMS5W
Misc : MS88014,V5W2138,400,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 24 16:52:01 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

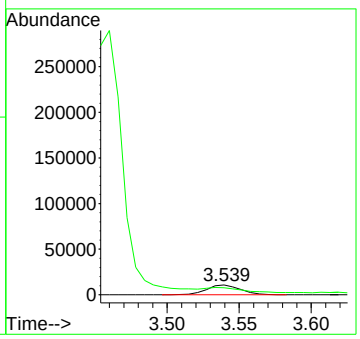


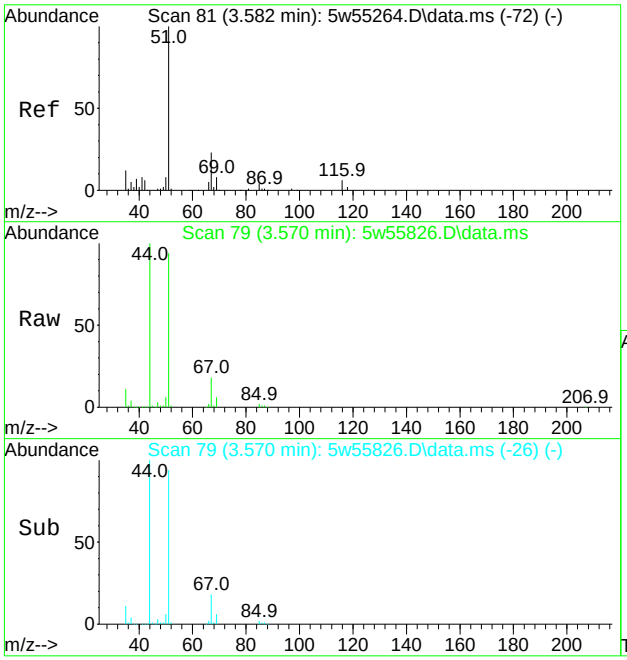


#3
FREON 152A
Concen: 1.0942 PPBV
RT: 3.539 min Scan# 74
Delta R.T. -0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 65 Resp: 17612

Ion	Ratio	Lower	Upper
65	100		
45	0.0	1.8	61.8#

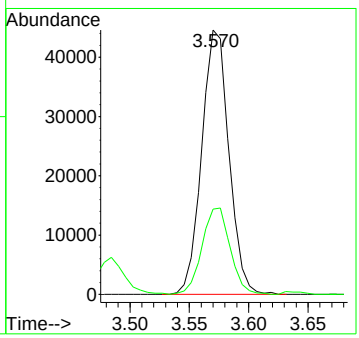


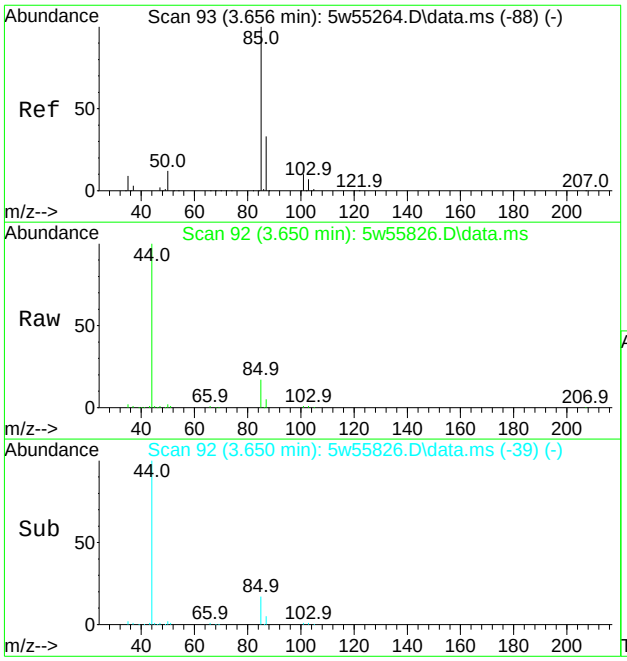


#4
CHLORODIFLUOROMETHANE
Concen: 8.4993 PPBV
RT: 3.570 min Scan# 79
Delta R.T. -0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 67 Resp: 70935

Ion	Ratio	Lower	Upper
67	100		
69	32.3	2.9	62.9

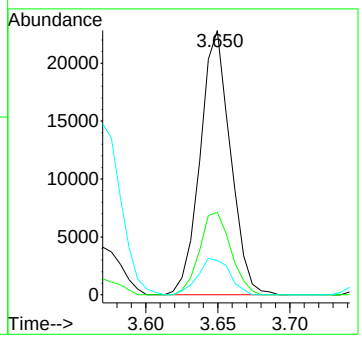


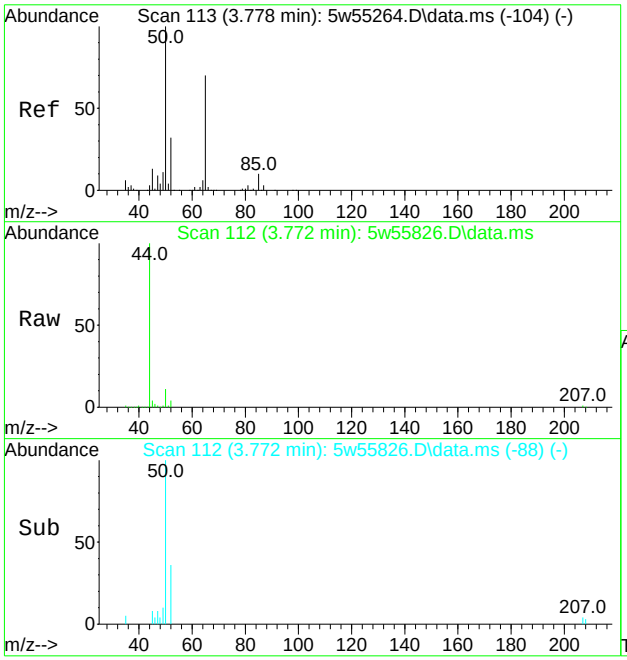


#6
DICHLORODIFLUOROMETHANE
Concen: 0.4190 PPBV
RT: 3.650 min Scan# 92
Delta R.T. -0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 85 Resp: 33315

Ion	Ratio	Lower	Upper
85	100		
87	32.3	2.6	62.6
50	14.5	0.0	43.0

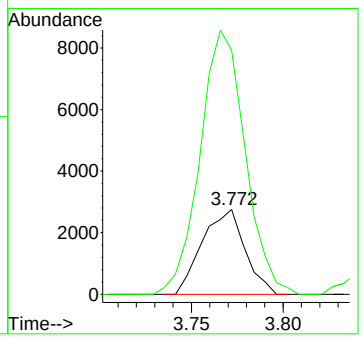


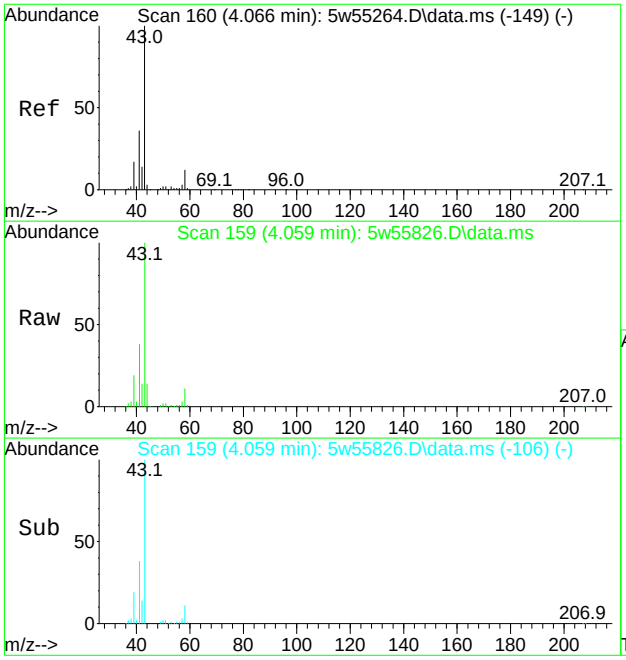


#10
CHLOROMETHANE
Concen: 0.4360 PPBV
RT: 3.772 min Scan# 112
Delta R.T. -0.000 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 52 Resp: 4470

Ion	Ratio	Lower	Upper
52	100		
50	278.9	287.9	347.9#

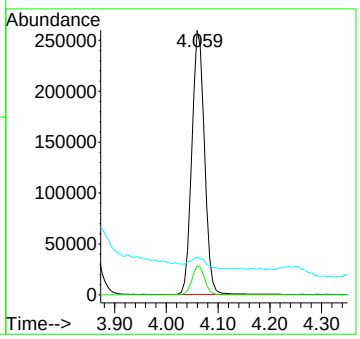


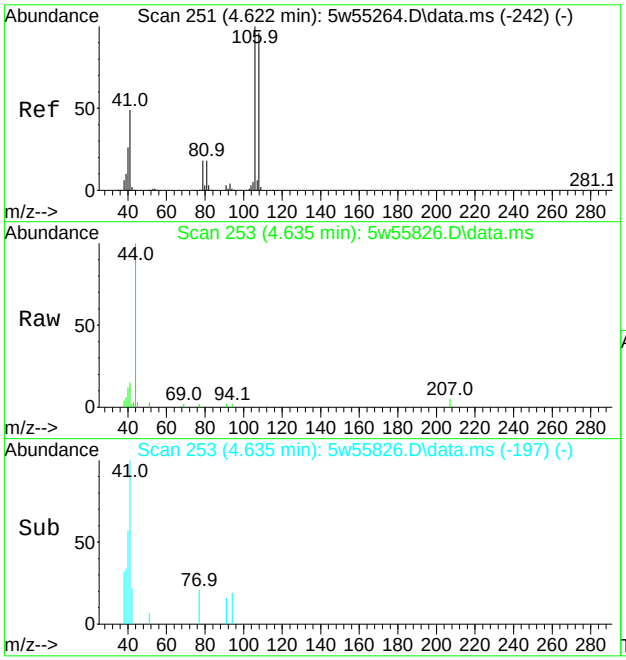


#13
n-BUTANE
Concen: 9.4501 PPBV
RT: 4.059 min Scan# 159
Delta R.T. -0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 43 Resp: 439213

Ion	Ratio	Lower	Upper
43	100		
58	10.8	0.0	41.6
44	0.0	0.0	34.7

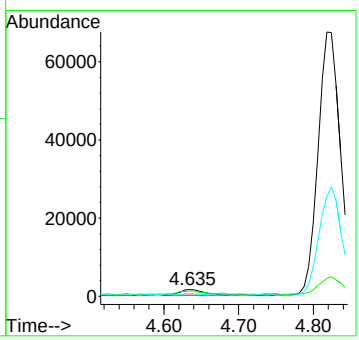


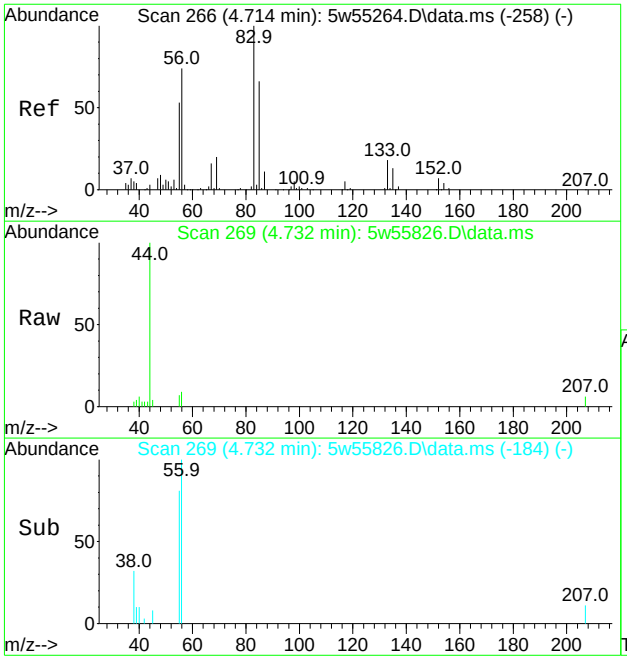


#17
ACETONITRILE
Concen: 0.1387 PPBV
RT: 4.635 min Scan# 253
Delta R.T. 0.012 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 41 Resp: 3723

Ion	Ratio	Lower	Upper
41	100		
40	80.2	38.4	71.4#
39	27.1	13.7	25.5#

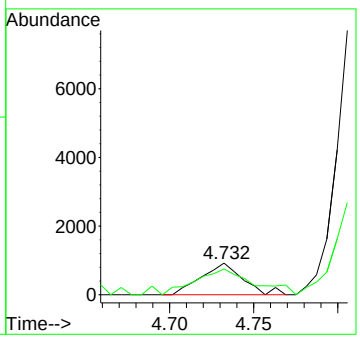


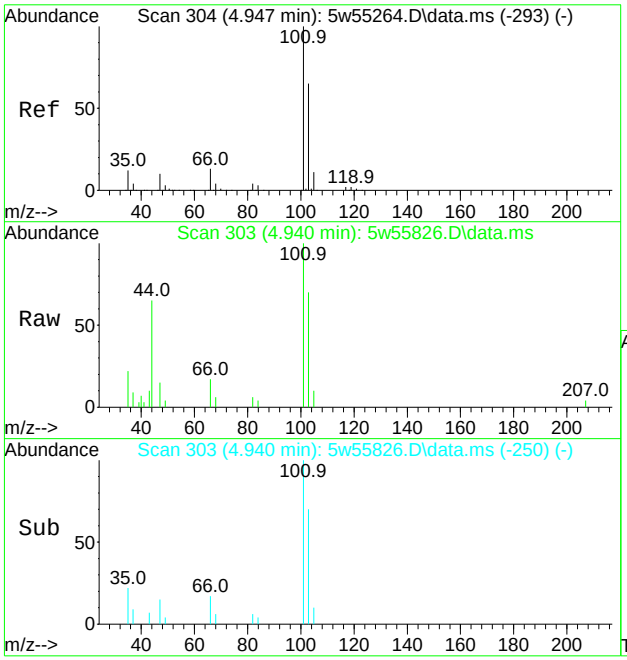


#18
ACROLEIN
Concen: 0.1355 PPBV
RT: 4.732 min Scan# 269
Delta R.T. 0.018 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 56 Resp: 1588

Ion	Ratio	Lower	Upper
56	100		
55	112.4	49.8	92.6#

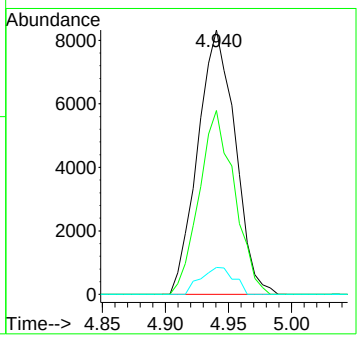


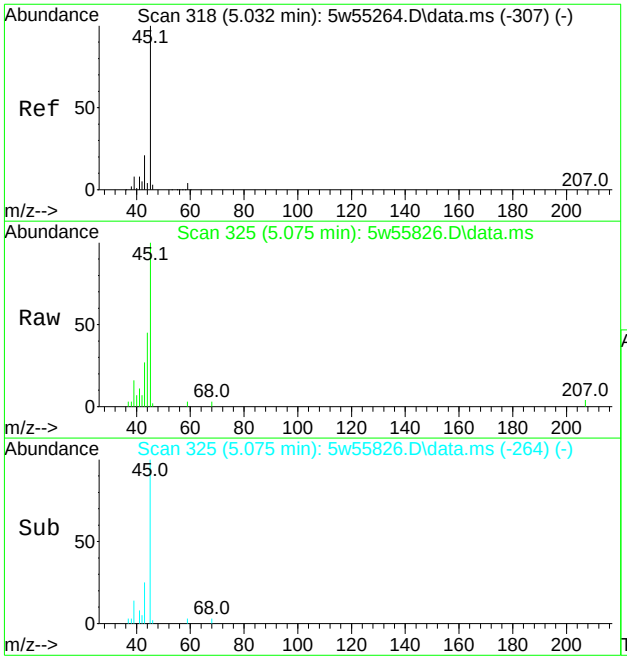


#21
TRICHLOROFLUOROMETHANE
Concen: 0.2330 PPBV
RT: 4.940 min Scan# 303
Delta R.T. -0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion:101 Resp: 17117

Ion	Ratio	Lower	Upper
101	100		
103	65.9	34.7	94.7
105	9.1	0.0	40.5

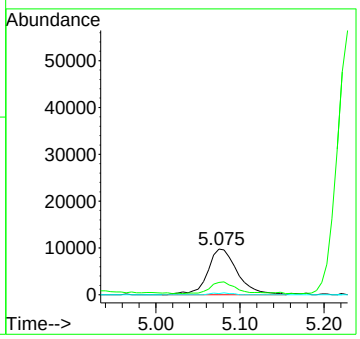


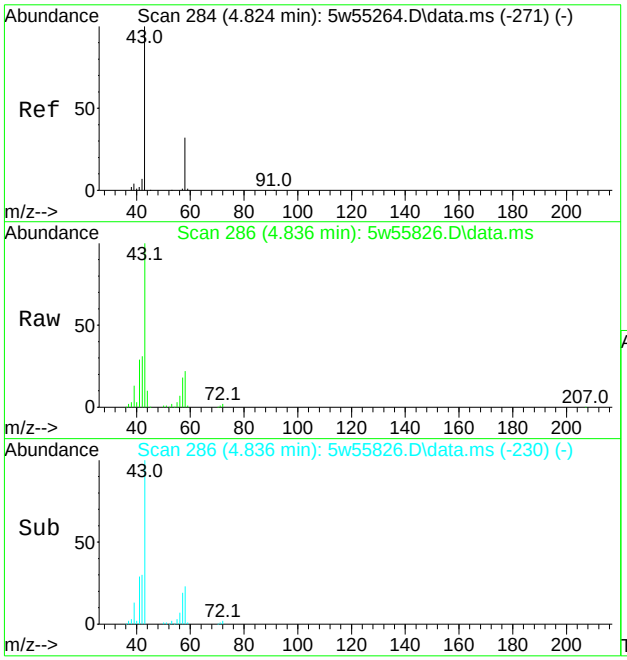


#22
ISOPROPYL ALCOHOL
Concen: 0.5202 PPBV
RT: 5.075 min Scan# 325
Delta R.T. 0.043 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 45 Resp: 24215

Ion	Ratio	Lower	Upper
45	100		
43	27.1	0.0	50.8
59	2.7	0.0	33.8

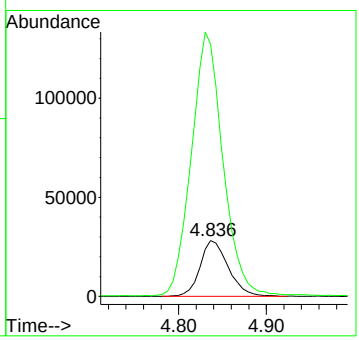


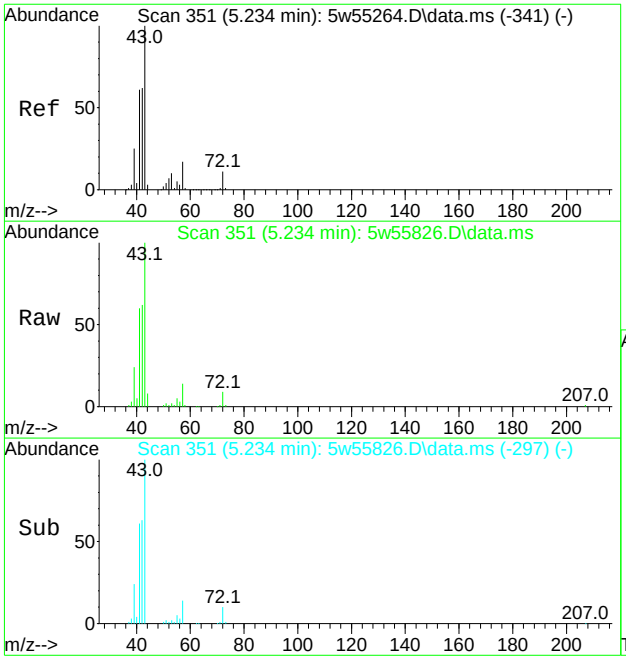


#23
ACETONE
Concen: 3.5913 PPBV
RT: 4.836 min Scan# 286
Delta R.T. 0.012 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 58 Resp: 63014

Ion	Ratio	Lower	Upper
58	100		
43	530.6	312.3	372.3#

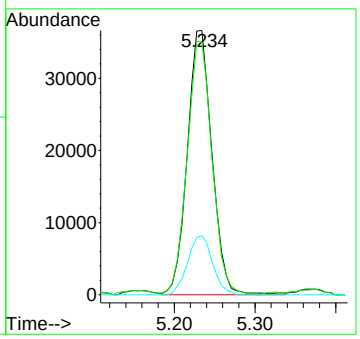


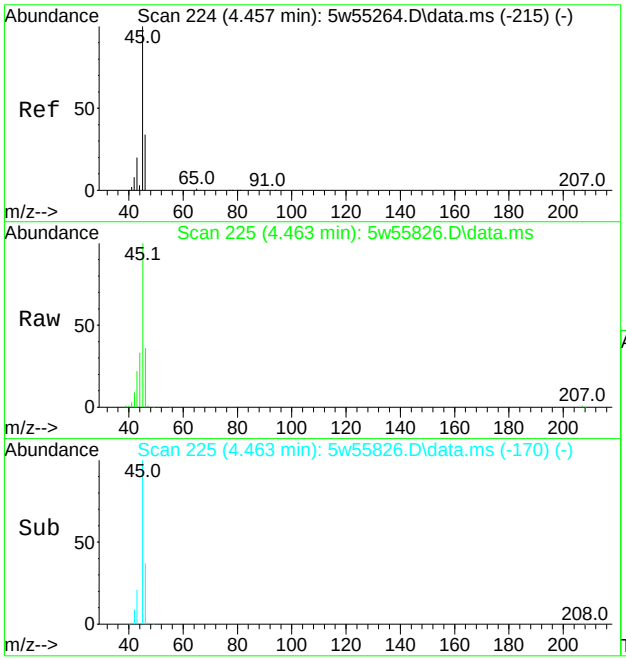


#24
PENTANE
Concen: 3.3694 PPBV
RT: 5.234 min Scan# 351
Delta R.T. -0.000 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 42 Resp: 77918

Ion	Ratio	Lower	Upper
42	100		
41	96.8	64.4	124.4
57	22.4	0.0	55.0

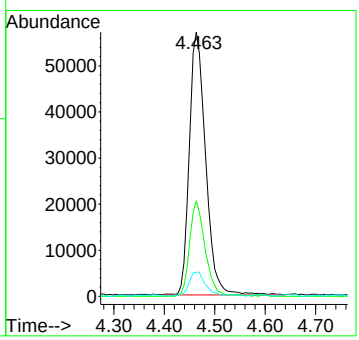


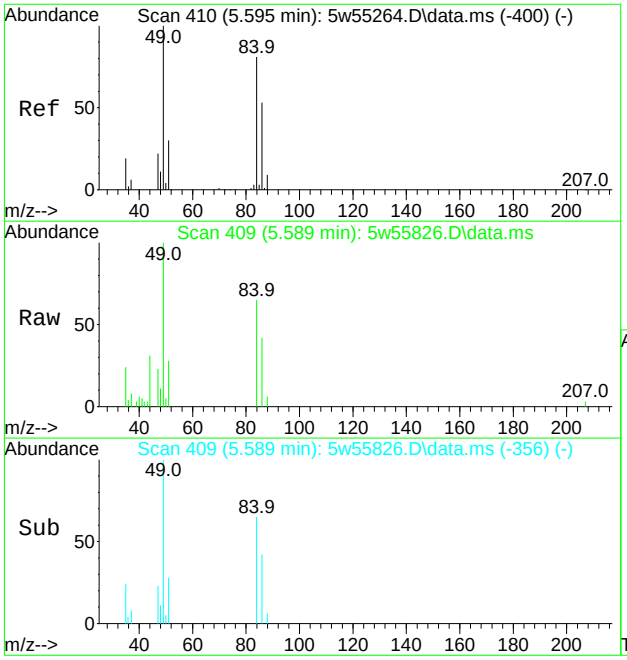


#28
ETHANOL
Concen: 7.5359 PPBV
RT: 4.463 min Scan# 225
Delta R.T. 0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 45 Resp: 128568

Ion	Ratio	Lower	Upper
45	100		
46	34.7	4.5	64.5
42	10.1	0.0	38.6

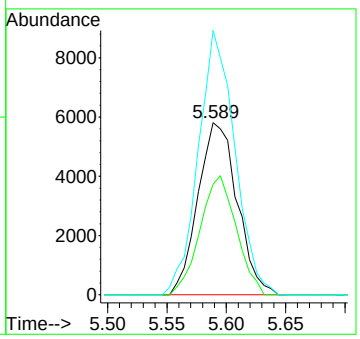


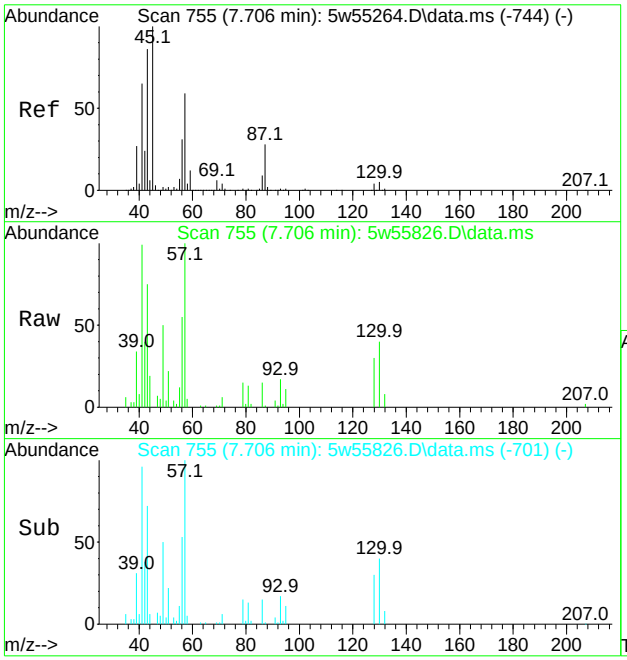


#31
METHYLENE CHLORIDE
Concen: 0.5844 PPBV
RT: 5.589 min Scan# 409
Delta R.T. -0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 84 Resp: 13335

Ion	Ratio	Lower	Upper
84	100		
86	63.7	34.0	94.0
49	143.0	105.8	165.8

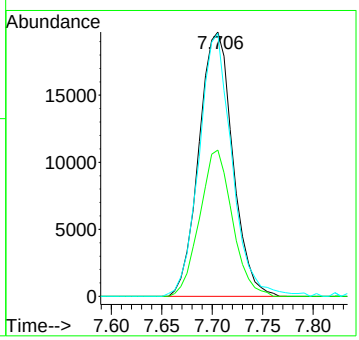


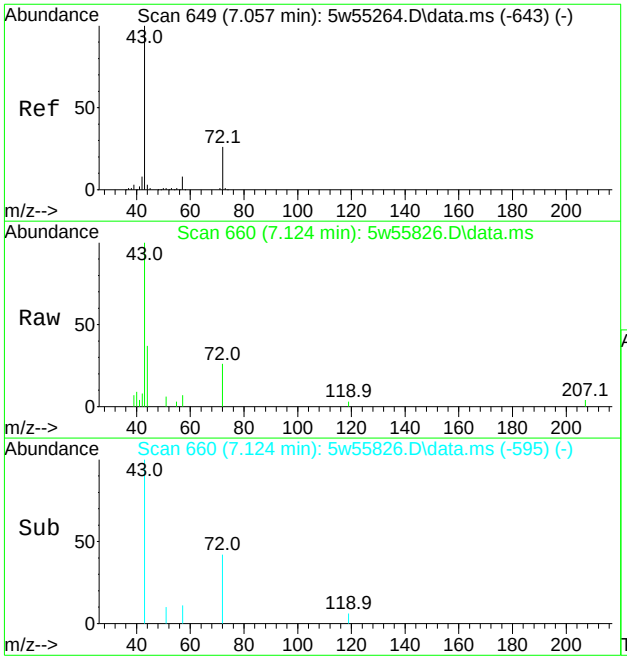


#38
HEXANE
Concen: 1.3534 PPBV
RT: 7.706 min Scan# 755
Delta R.T. -0.000 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 57 Resp: 46133

Ion	Ratio	Lower	Upper
57	100		
56	53.4	24.2	84.2
41	97.1	92.1	152.1

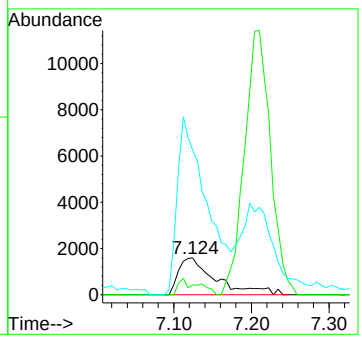


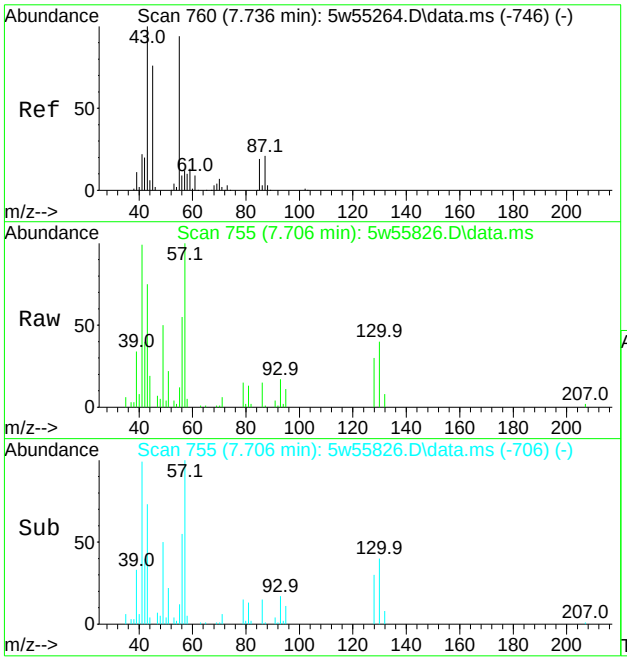


#41
METHYL ETHYL KETONE
Concen: 0.5728 PPBV
RT: 7.124 min Scan# 660
Delta R.T. 0.067 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 72 Resp: 5405

Ion	Ratio	Lower	Upper
72	100		
57	26.9	1.1	61.1
43	390.7	390.6	450.6

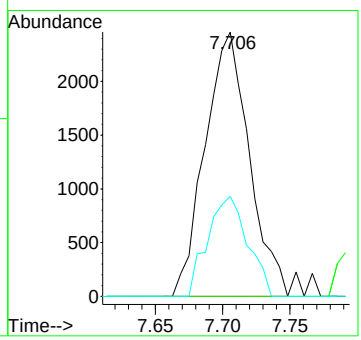


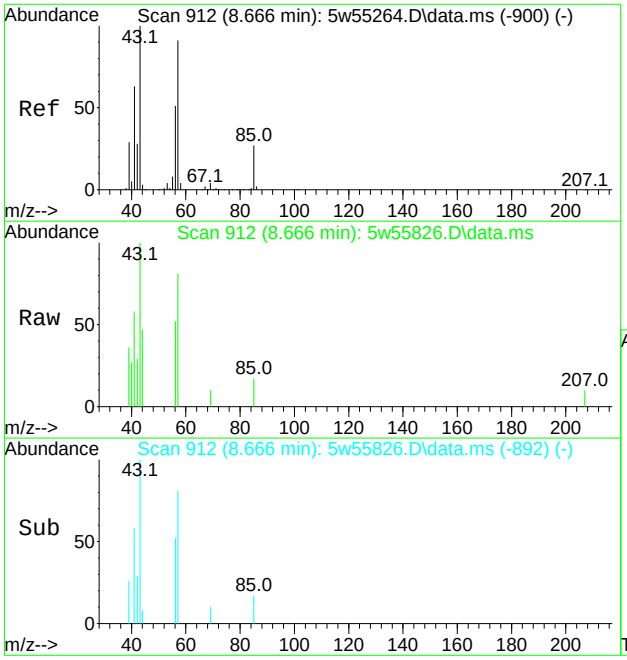


#45
METHYL ACRYLATE
Concen: 0.1357 PPBV
RT: 7.706 min Scan# 755
Delta R.T. -0.031 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 55 Resp: 5623

Ion	Ratio	Lower	Upper
55	100		
85	0.0	11.4	21.2#
58	34.2	9.7	17.9#

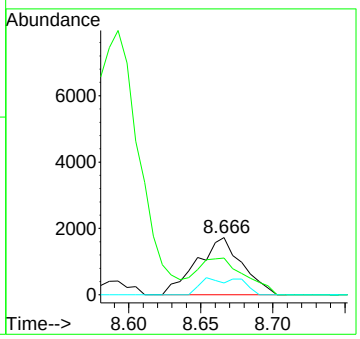


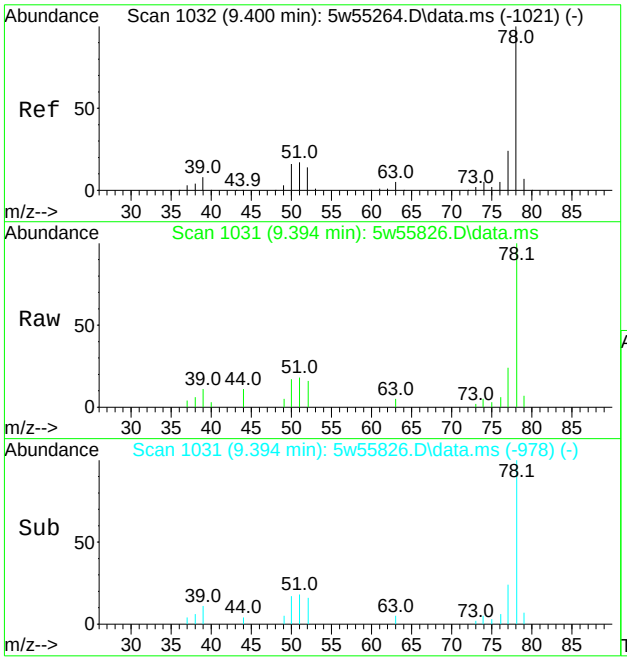


#47
2,4-DIMETHYLPENTANE
Concen: 0.1015 PPBV
RT: 8.666 min Scan# 912
Delta R.T. -0.000 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 57 Resp: 3784

Ion	Ratio	Lower	Upper
57	100		
56	69.1	26.4	86.4
85	26.3	0.0	56.0

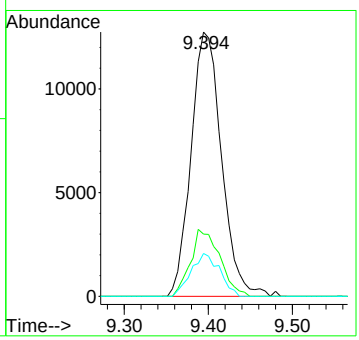


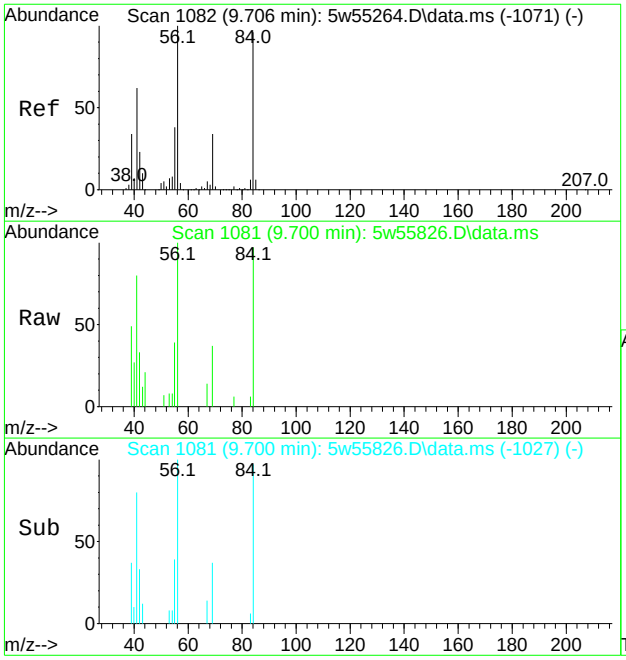


#52
BENZENE
Concen: 0.4122 PPBV
RT: 9.394 min Scan# 1031
Delta R.T. -0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 78 Resp: 32183

Ion	Ratio	Lower	Upper
78	100		
77	24.3	0.0	54.0
52	15.2	0.0	45.6

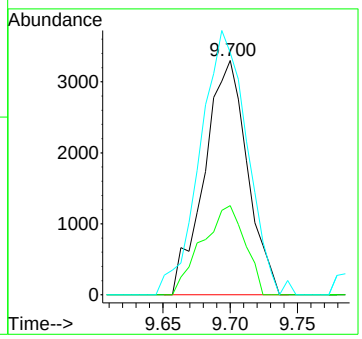


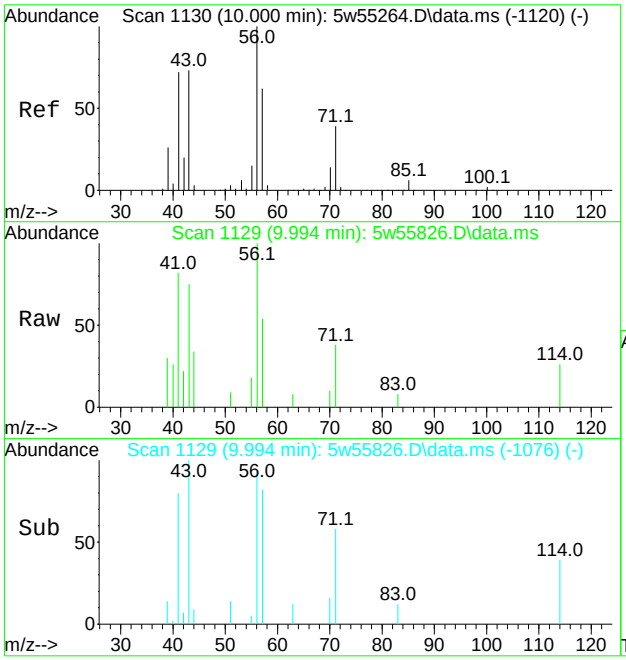


#53
CYCLOHEXANE
Concen: 0.2500 PPBV
RT: 9.700 min Scan# 1081
Delta R.T. -0.000 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 84 Resp: 7334

Ion	Ratio	Lower	Upper
84	100		
69	38.0	7.0	67.0
56	123.5	86.5	146.5

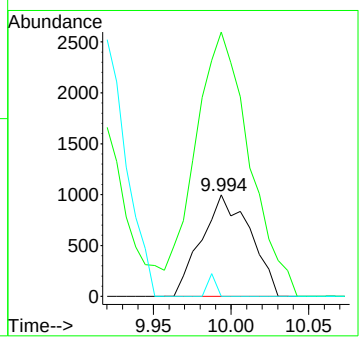


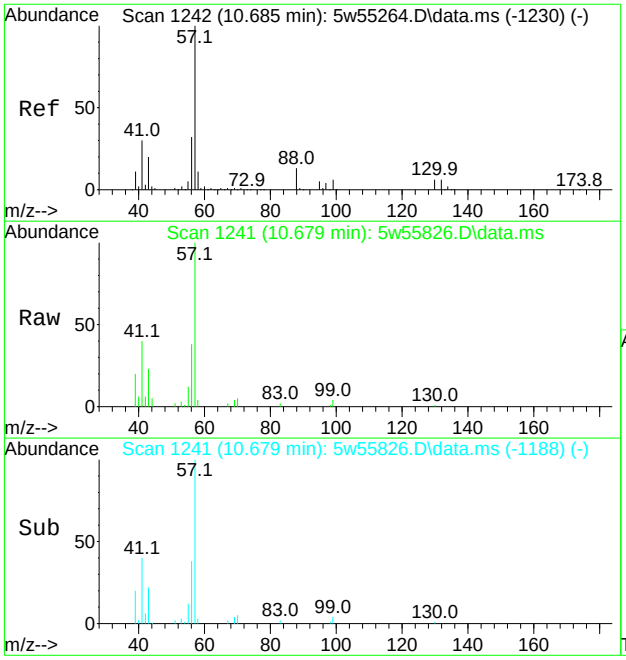


#54
2,3-DIMETHYLPENTANE
Concen: 0.1374 PPBV
RT: 9.994 min Scan# 1129
Delta R.T. -0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 71 Resp: 2176

Ion	Ratio	Lower	Upper
71	100		
56	289.2	235.4	295.4
85	0.0	0.0	45.3

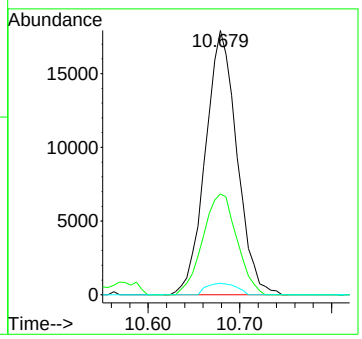


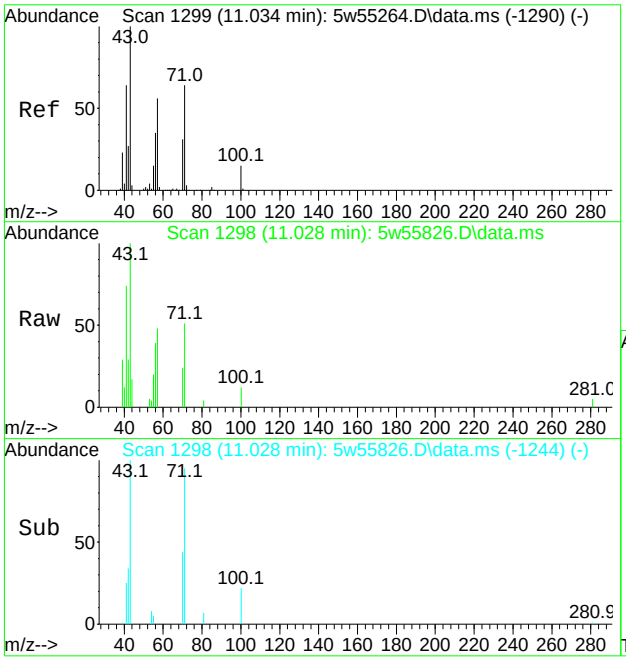


#60
2,2,4-TRIMETHYLPENTANE
Concen: 0.3615 PPBV
RT: 10.679 min Scan# 1241
Delta R.T. -0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 57 Resp: 42861

Ion	Ratio	Lower	Upper
57	100		
56	41.2	2.2	62.2
99	4.1	0.0	37.6

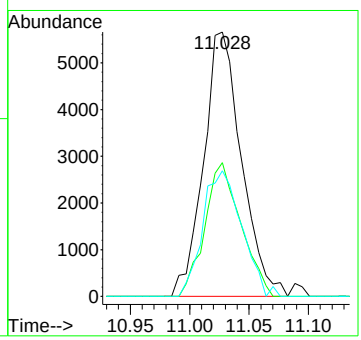


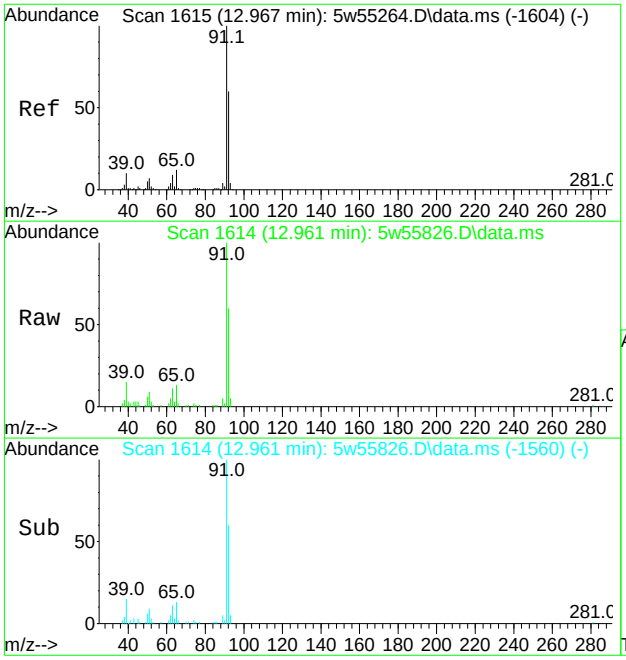


#62
HEPTANE
Concen: 0.3032 PPBV
RT: 11.028 min Scan# 1298
Delta R.T. -0.000 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 43 Resp: 12558

Ion	Ratio	Lower	Upper
43	100		
71	48.0	27.2	87.2
57	48.7	22.5	82.5

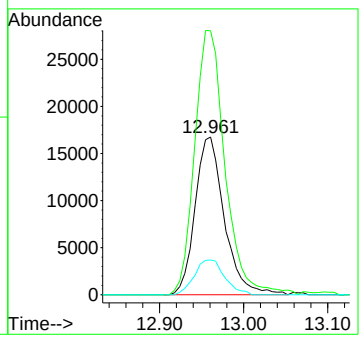


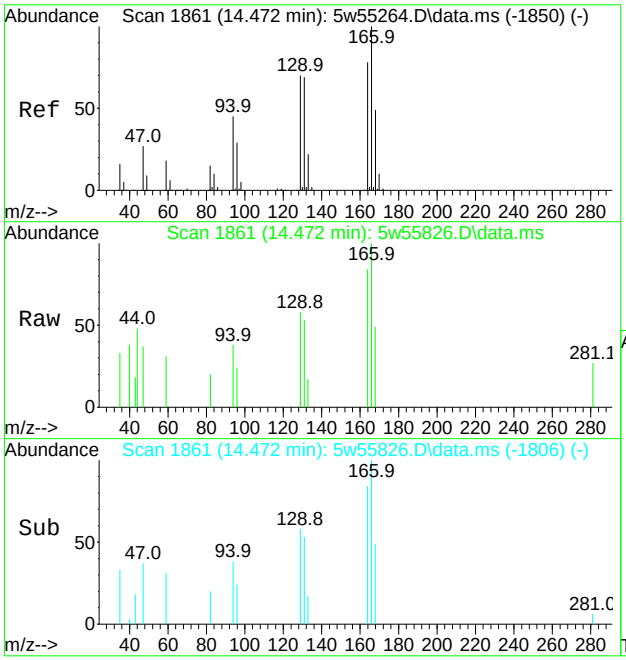


#66
TOLUENE
Concen: 0.7412 PPBV
RT: 12.961 min Scan# 1614
Delta R.T. -0.000 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 92 Resp: 40482

Ion	Ratio	Lower	Upper
92	100		
91	174.0	143.4	203.4
65	22.9	0.0	53.8

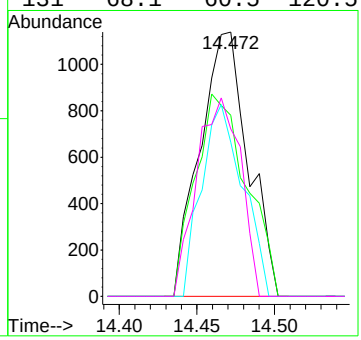


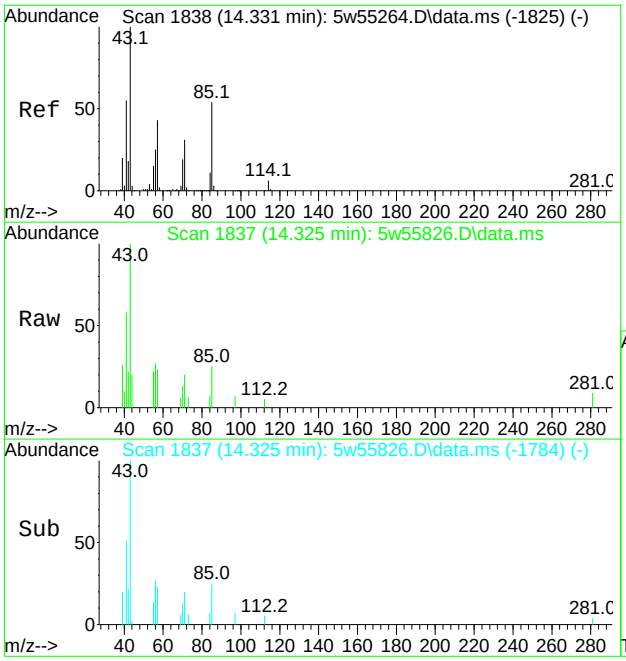


#73
TETRACHLOROETHYLENE
Concen: 0.0609 PPBV
RT: 14.472 min Scan# 1861
Delta R.T. 0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion:164 Resp: 2473

Ion	Ratio	Lower	Upper
164	100		
129	81.1	64.4	124.4
168	62.3	31.2	91.2
131	68.1	60.5	120.5

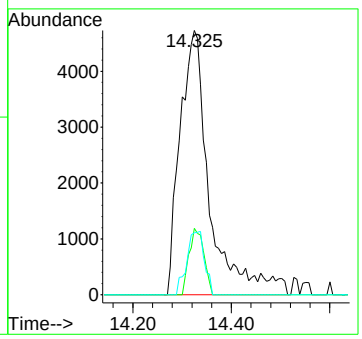


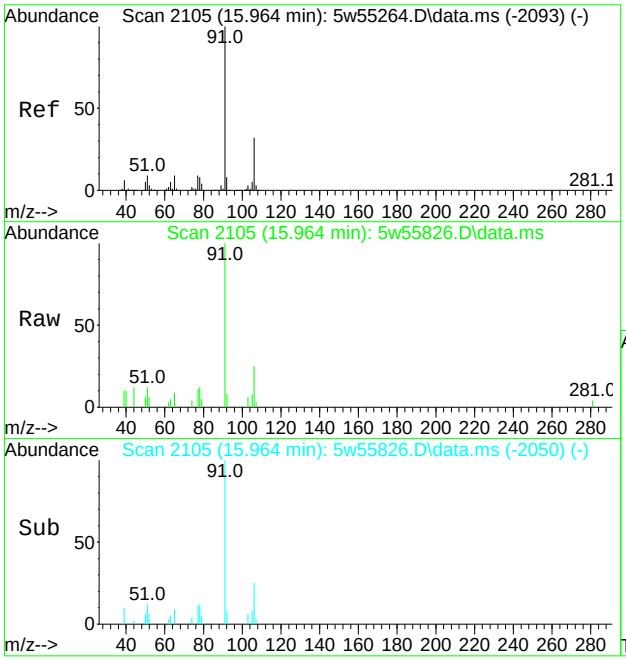


#76
OCTANE
Concen: 0.3622 PPBV
RT: 14.325 min Scan# 1837
Delta R.T. -0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 43 Resp: 19766

Ion	Ratio	Lower	Upper
43	100		
85	12.6	13.7	73.7#
57	14.3	9.9	69.9

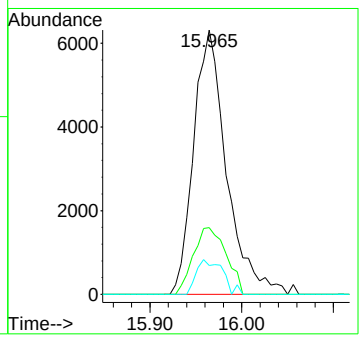


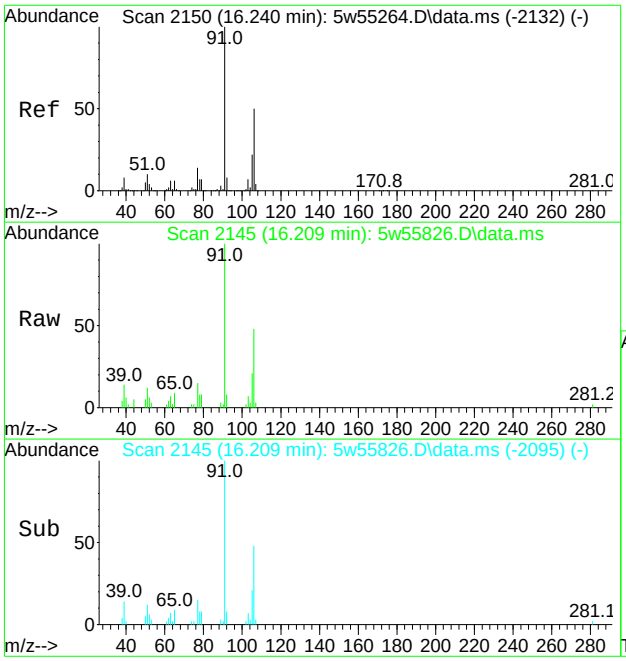


#79
ETHYLBENZENE
Concen: 0.1374 PPBV
RT: 15.964 min Scan# 2105
Delta R.T. 0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 91 Resp: 15737

Ion	Ratio	Lower	Upper
91	100		
106	25.2	0.0	59.9
77	10.5	0.0	39.1

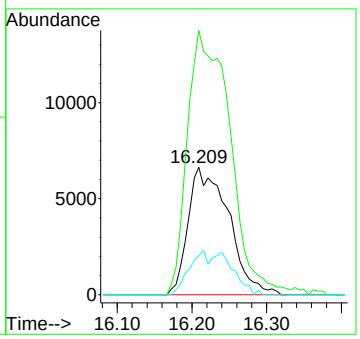


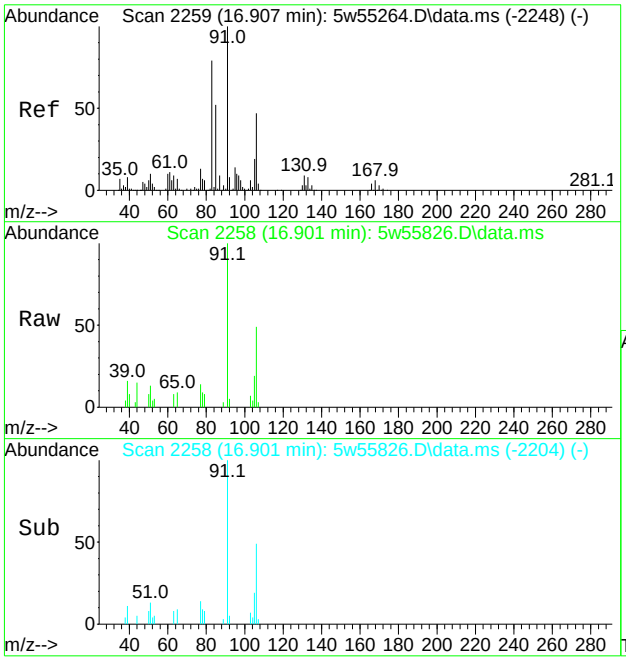


#80
m,p-XYLENE
Concen: 0.5735 PPBV
RT: 16.209 min Scan# 2145
Delta R.T. -0.025 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion:106 Resp: 24925

Ion	Ratio	Lower	Upper
106	100		
91	207.1	181.2	241.2
77	30.6	0.1	60.1

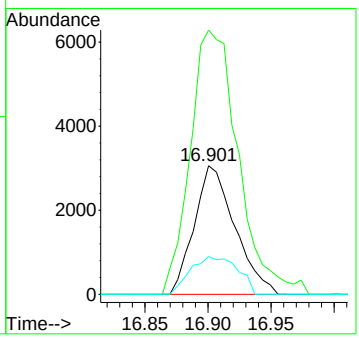


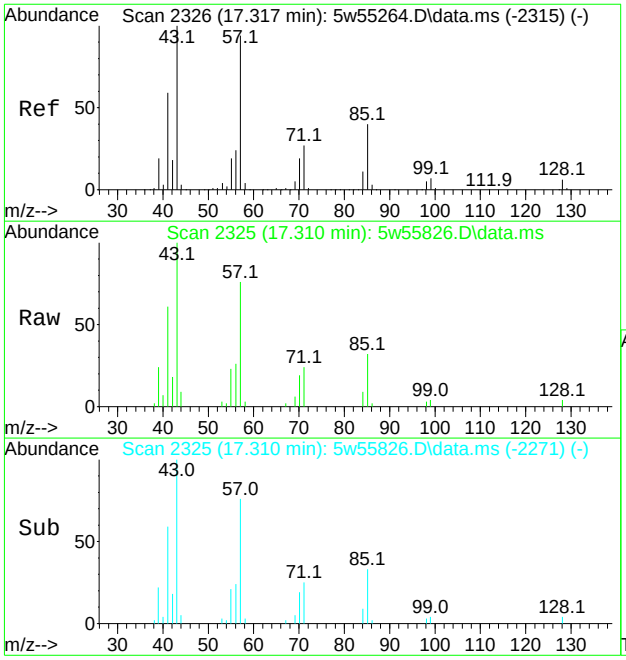


#81
o-XYLENE
Concen: 0.1621 PPBV
RT: 16.901 min Scan# 2258
Delta R.T. -0.000 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion:106 Resp: 6839

Ion	Ratio	Lower	Upper
106	100		
91	243.0	193.4	253.4
77	34.1	0.0	59.8

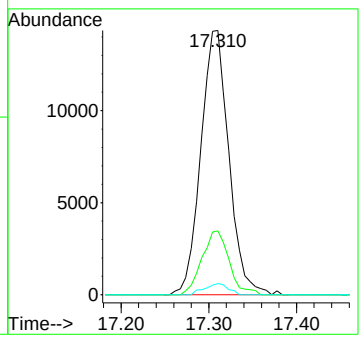


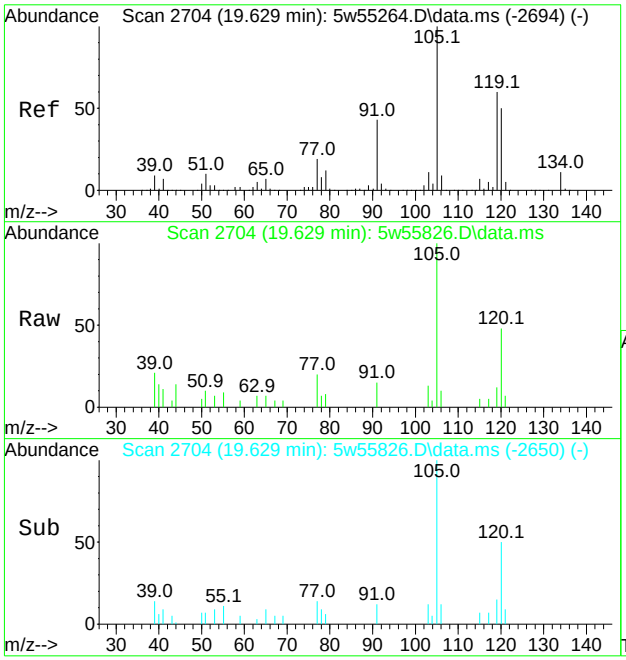


#83
NONANE
Concen: 0.5601 PPBV
RT: 17.310 min Scan# 2325
Delta R.T. -0.000 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 43 Resp: 31896

Ion	Ratio	Lower	Upper
43	100		
71	23.4	0.0	53.8
128	3.6	0.0	34.3

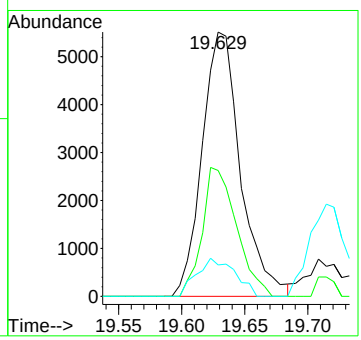


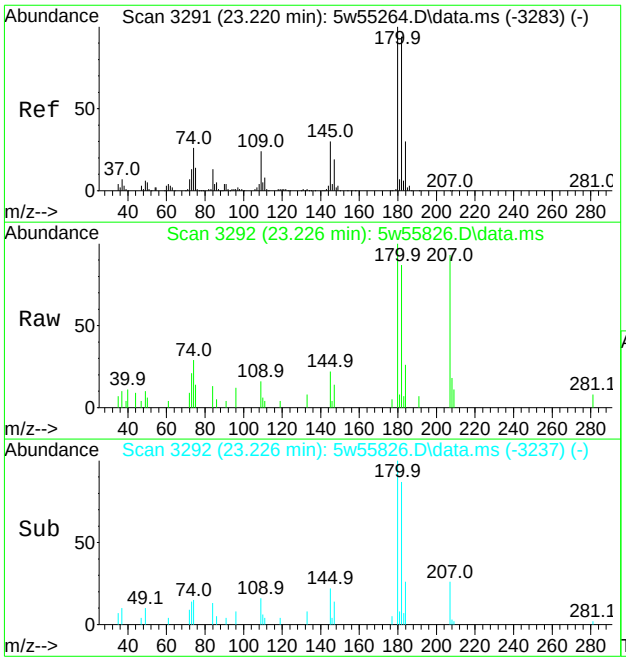


#96
1,2,4-TRIMETHYLBENZENE
Concen: 0.1080 PPBV
RT: 19.629 min Scan# 2704
Delta R.T. -0.000 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion:105 Resp: 11668

Ion	Ratio	Lower	Upper
105	100		
120	43.6	22.6	82.6
119	14.3	69.7	129.7#

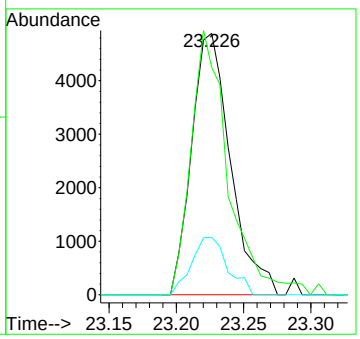


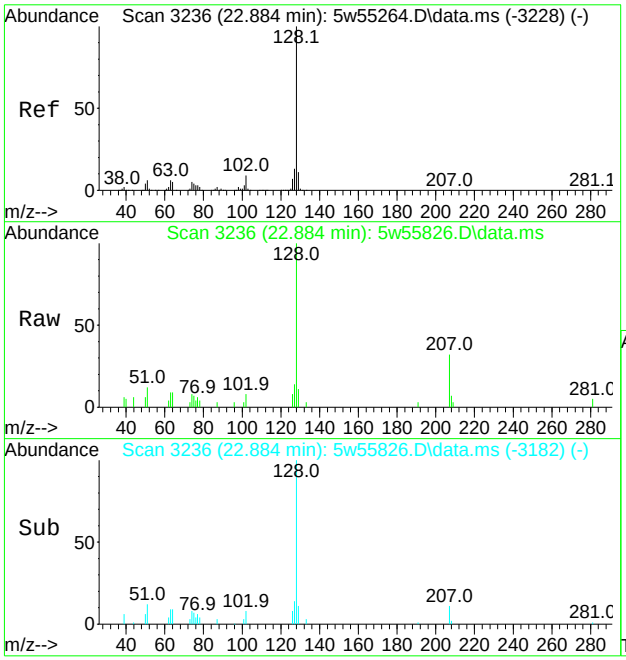


#107
1,2,4-TRICHLOROBENZENE
Concen: 0.1428 PPBV
RT: 23.226 min Scan# 3292
Delta R.T. 0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion:180 Resp: 9822

Ion	Ratio	Lower	Upper
180	100		
182	97.5	66.4	126.4
145	20.4	0.2	60.2

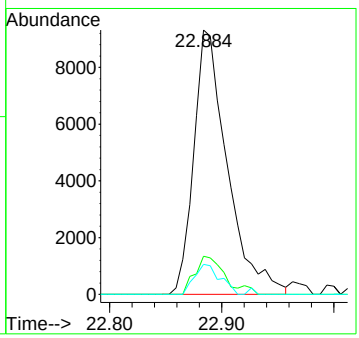




#108
NAPHTHALENE
Concen: 0.1282 PPBV
RT: 22.884 min Scan# 3236
Delta R.T. -0.000 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion:128 Resp: 19361

Ion	Ratio	Lower	Upper
128	100		
127	13.0	0.0	43.1
129	8.7	0.0	41.1



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w10605.D
Acq On : 19 Nov 2024 4:48 am
Operator : thomash
Sample : scc(a779),cp12922
Misc : MS86930,v7w387,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 19 11:41:48 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

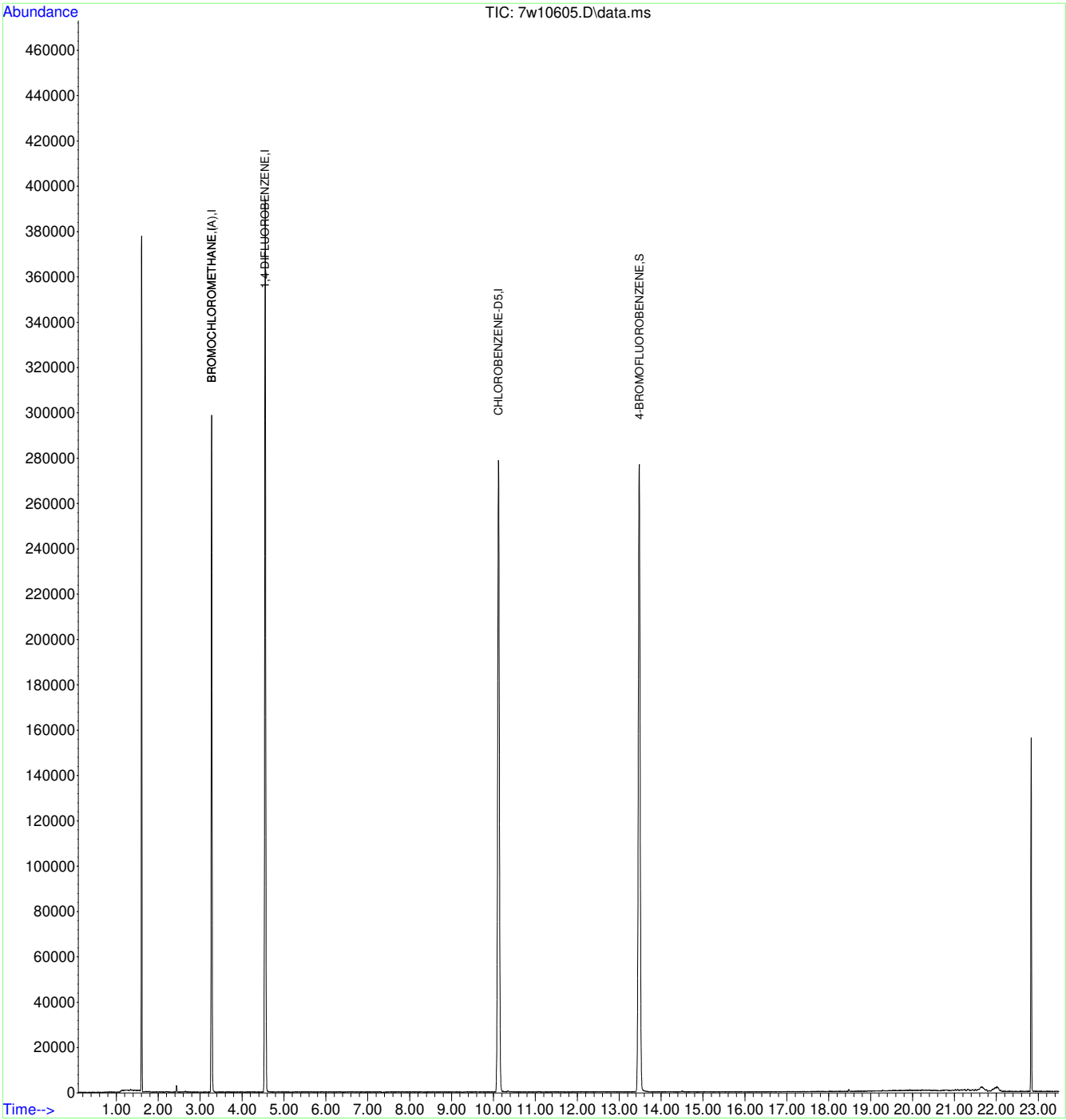
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.277	128	61555	10.00	PPBV	# 0.00
52) 1,4-DIFLUOROBENZENE	4.550	114	303415	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.119	117	282366	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.277	128	61555	10.00	PPBV	# 0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.479	95	175288	8.46	PPBV	0.00
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w10605.D
Acq On : 19 Nov 2024 4:48 am
Operator : thomash
Sample : scc(a779),cp12922
Misc : MS86930,v7w387,,,,,1
ALS Vial : 5 Sample Multiplier: 1

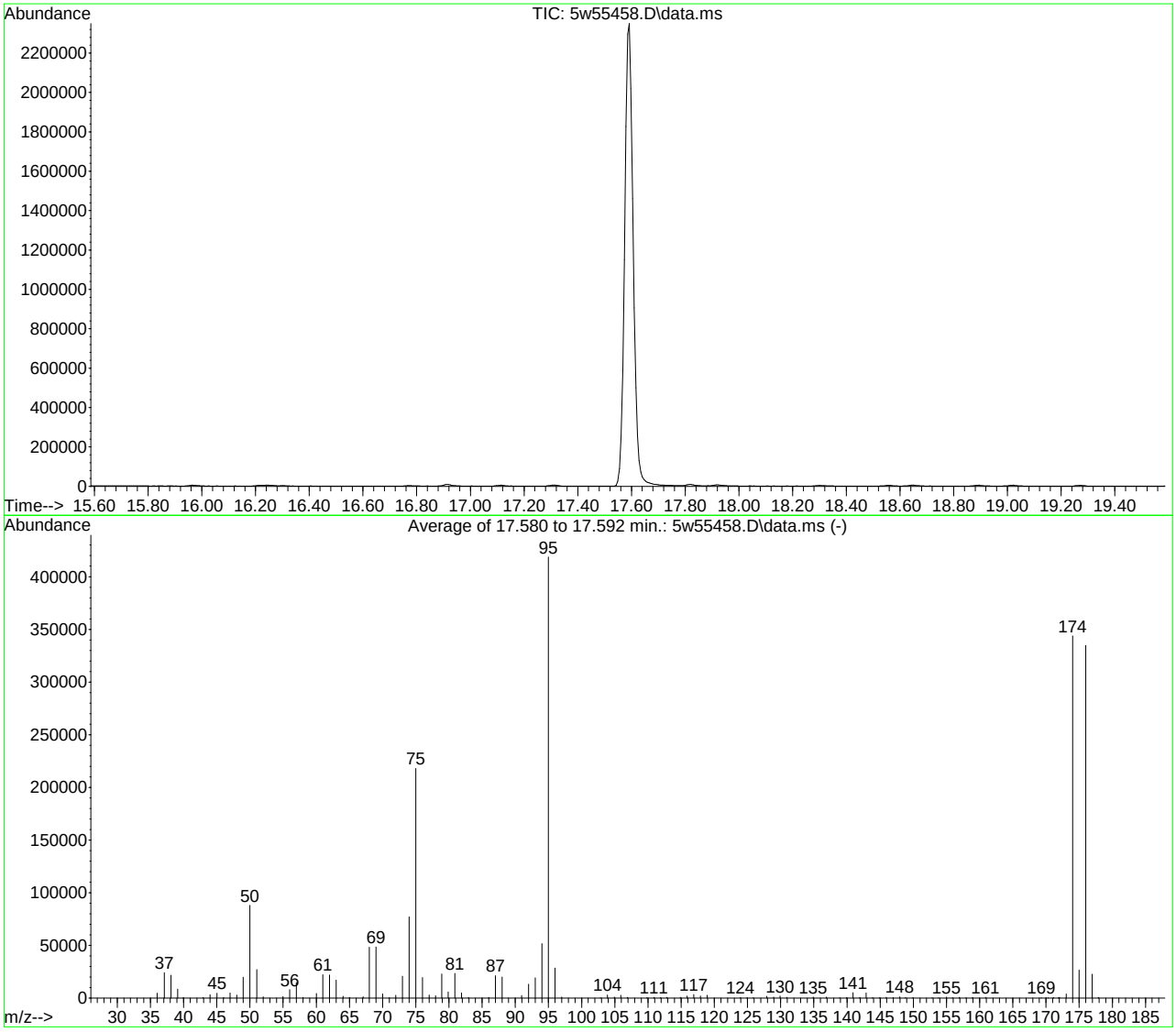
Quant Time: Nov 19 11:41:48 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



BFB

Data File : C:\msdchem\1\DATA\5w55458.D Vial: 3
Acq On : 9 Dec 2024 3:34 am Operator: benk
Sample : bfb Inst : GCMS5W
Misc : MS74484,V5W2125,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P

Method : Z:\Dayton\MSAIR_Methods\M5w2125.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um



AutoFind: Scans 2369, 2370, 2371; Background Corrected with Scan 2360

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	21.0	87907	PASS
75	95	30	66	52.1	218027	PASS
95	95	100	100	100.0	418581	PASS
96	95	5	9	6.8	28349	PASS
173	174	0.00	2	1.1	3695	PASS
174	95	50	120	82.1	343765	PASS
175	174	4	9	7.7	26424	PASS
176	174	93	101	97.4	334720	PASS
177	176	5	9	6.7	22512	PASS

5w55458.D M5w2125.M Mon Dec 09 16:30:13 2024

Average of 17.580 to 17.592 min.: 5w55458.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	4407	49.00	19752	63.00	17050	75.00	218027
37.10	24149	50.00	87907	64.05	1657	76.00	19280
38.10	21723	51.05	26971	65.00	509	77.00	2866
39.10	8398	52.00	1164	67.05	1085	78.00	2061
39.95	461	55.00	1419	68.00	48216	78.90	22733
42.95	285	56.00	7959	69.00	48400	79.90	5787
44.00	3174	57.00	14433	70.00	3854	80.90	23309
45.05	4430	58.00	691	71.00	83	81.90	4746
46.05	362	60.00	4331	72.00	2495	82.95	482
47.00	4807	61.00	22131	73.00	20691	86.00	549
48.00	2719	62.00	21965	74.00	77016	87.00	21008

Average of 17.580 to 17.592 min.: 5w55458.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
88.00	20003	105.90	2548	123.95	315	140.90	5011
90.95	2215	106.90	509	124.90	140	141.90	497
92.00	13106	109.85	391	125.85	219	142.90	4891
93.00	19059	110.90	592	127.90	1613	143.85	348
94.00	51672	111.90	484	128.95	795	144.95	461
95.00	418581	112.85	566	129.90	1786	145.90	568
96.00	28349	114.90	530	130.90	598	146.95	297
97.00	848	115.90	1936	134.90	880	147.95	1090
102.85	239	116.90	3369	136.90	963	148.80	258
103.90	2733	117.90	1949	138.90	79	149.95	436
104.95	754	118.90	2572	139.95	354	152.85	248

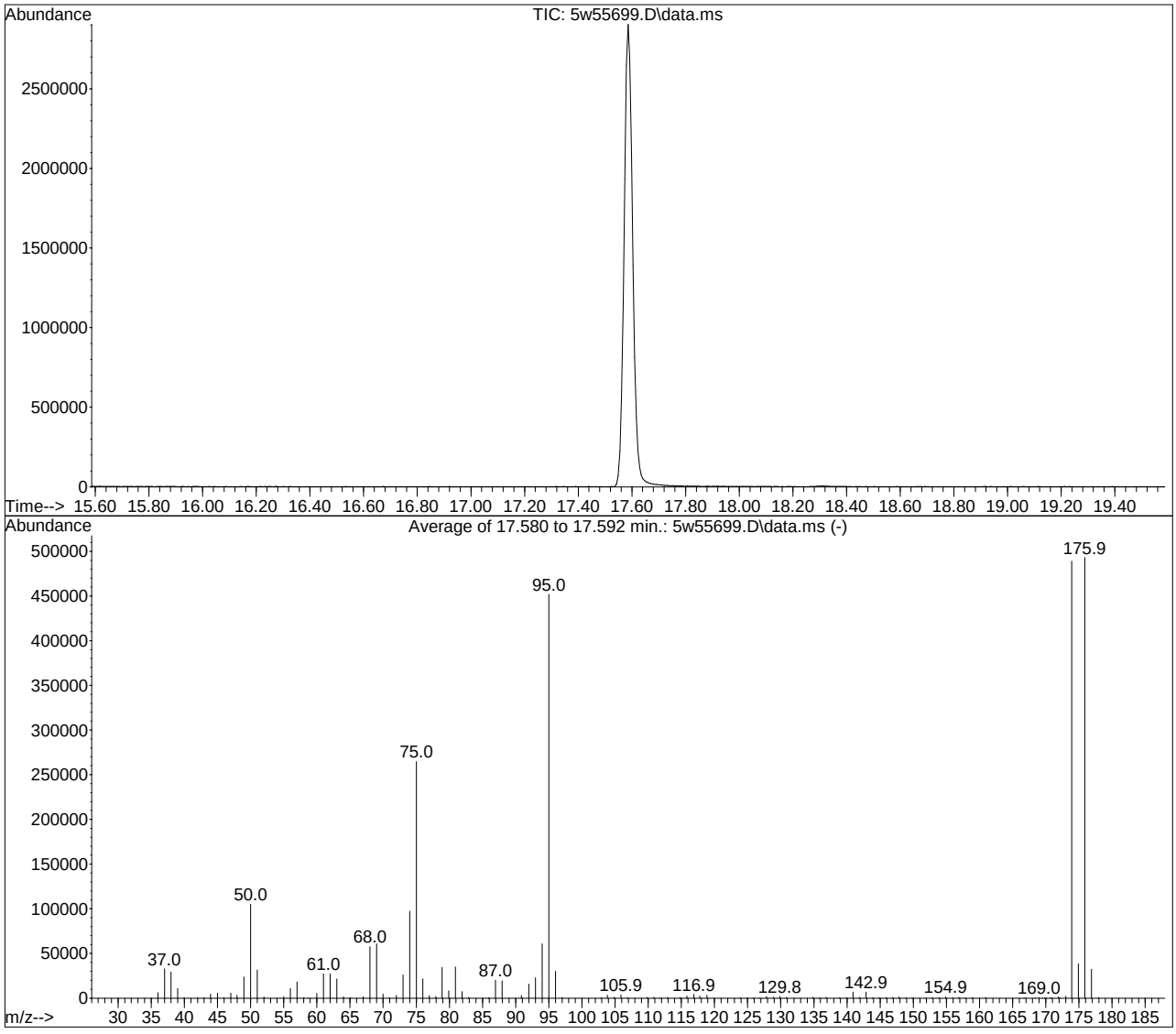
Average of 17.580 to 17.592 min.: 5w55458.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
153.80	101	171.90	416				
155.00	926	172.05	748				
155.90	138	173.05	3695				
156.95	736	174.00	343765				
157.95	174	175.00	26424				
158.90	535	176.00	334720				
160.90	542	176.95	22512				
169.30	75	177.90	590				
170.00	113						
170.35	183						
171.15	260						

BFB

Data File : X:\Dayton VOA GCMS\g...024\V5W2133\5w55699.D Vial: 1
Acq On : 17 Dec 2024 7:52 pm Operator: thomash
Sample : bfb Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P

Method : C:\msdchem\1\methods\M5w2125.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um



AutoFind: Scans 2369, 2370, 2371; Background Corrected with Scan 2359

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	23.2	105096	PASS
75	95	30	66	58.6	264789	PASS
95	95	100	100	100.0	452053	PASS
96	95	5	9	6.6	29944	PASS
173	174	0.00	2	0.4	2112	PASS
174	95	50	120	108.2	488917	PASS
175	174	4	9	7.9	38499	PASS
176	174	93	101	100.8	492928	PASS
177	176	5	9	6.6	32312	PASS

5w55699.D M5w2125.M Wed Dec 18 19:04:06 2024

Average of 17.580 to 17.592 min.: 5w55699.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	6122	47.95	3333	61.00	27261	73.00	25893
37.00	32880	49.00	23784	62.00	27029	74.00	97128
38.00	29173	50.00	105096	63.00	21448	75.00	264789
39.00	10698	51.00	31357	64.00	1715	76.00	21672
39.95	458	52.00	1362	65.05	454	76.95	2719
42.00	70	55.00	1658	67.00	1681	77.95	1788
42.95	414	56.00	10854	68.00	57627	78.90	34237
43.95	4439	57.00	18149	69.00	60885	79.90	8336
45.00	5558	58.05	704	70.00	4515	80.90	35016
45.95	615	58.70	67	70.90	159	81.90	7233
47.00	5559	60.00	5242	72.00	3123	82.90	782

Average of 17.580 to 17.592 min.: 5w55699.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
85.90	470	103.85	3393	117.80	2408	135.80	72
86.95	20229	104.90	995	118.85	3415	136.85	1048
87.95	19427	105.90	3547	123.85	357	138.85	187
90.85	2909	106.85	594	124.90	68	139.90	567
92.00	15755	109.85	600	125.85	273	140.90	6636
93.00	22952	110.85	911	126.80	93	141.85	880
94.00	60709	111.80	536	127.85	1812	142.90	6852
95.00	452053	112.90	865	128.90	1015	143.85	425
96.00	29944	114.80	689	129.85	1859	144.85	535
97.00	879	115.85	2320	130.85	664	145.90	870
102.85	434	116.90	4223	134.85	994	146.85	313

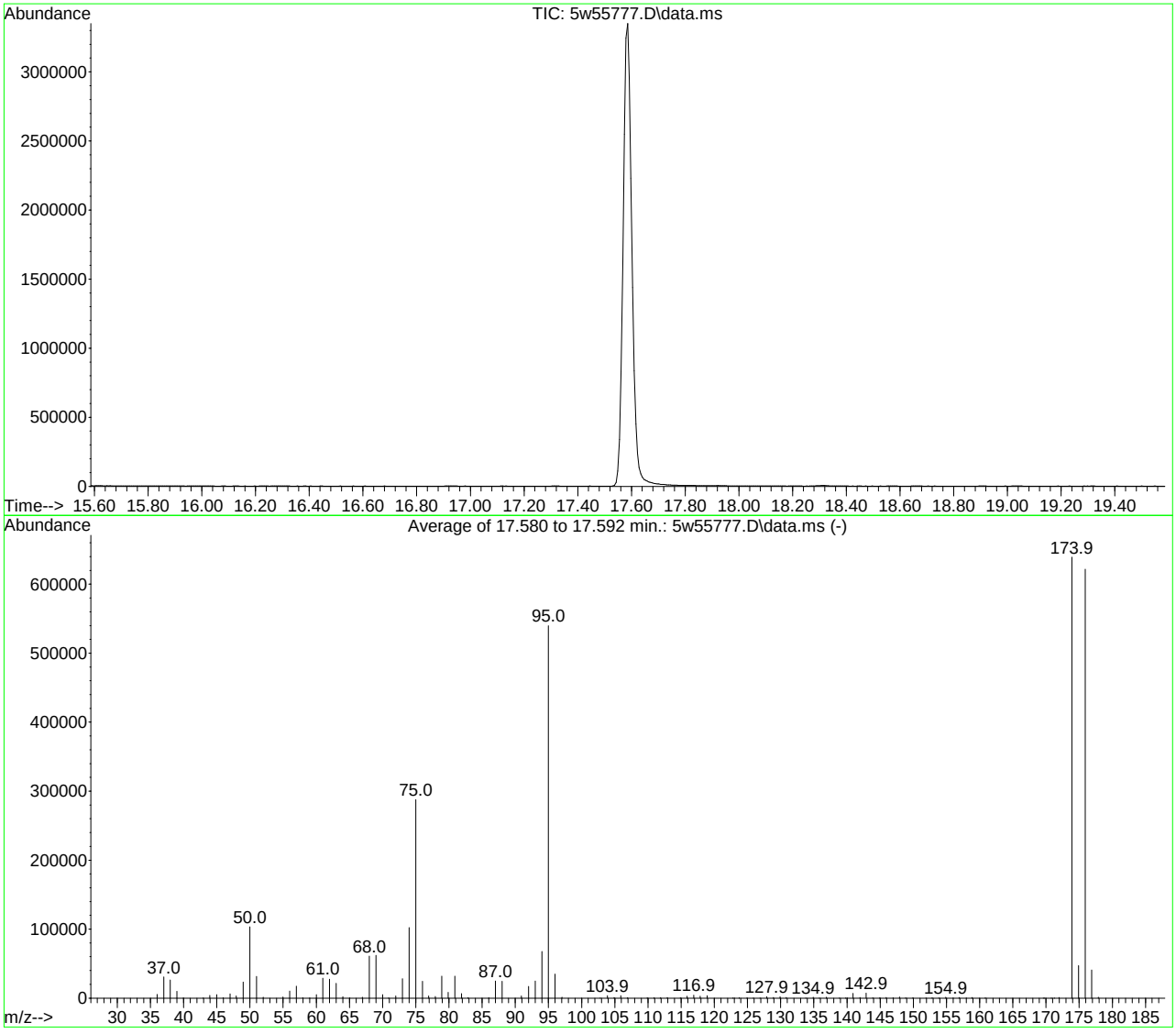
Average of 17.580 to 17.592 min.: 5w55699.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
147.85	1350	160.90	871	172.10	526		
148.90	380	166.70	73	173.00	2112		
149.85	686	167.00	77	173.90	488917		
151.90	234	168.40	94	174.90	38499		
152.85	367	169.00	316	175.90	492928		
153.90	377	169.50	118	176.90	32312		
154.90	1409	169.80	161	177.95	825		
156.00	71	170.10	175				
156.85	927	170.65	431				
157.80	91	170.90	330				
158.90	708	171.90	1206				

BFB

Data File : X:\Dayton VOA GCMS\l...024\v5w2136\5w55777.D Vial: 2
Acq On : 20 Dec 2024 12:26 pm Operator: thomash
Sample : bfb Inst : GCMS5W
Misc : MS88104,V5W2136,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P

Method : C:\msdchem\1\methods\M5w2125.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um



AutoFind: Scans 2369, 2370, 2371; Background Corrected with Scan 2358

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	19.2	103472	PASS
75	95	30	66	53.3	287701	PASS
95	95	100	100	100.0	539797	PASS
96	95	5	9	6.5	34869	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	118.4	639147	PASS
175	174	4	9	7.4	46992	PASS
176	174	93	101	97.3	621632	PASS
177	176	5	9	6.6	40723	PASS

5w55777.D M5w2125.M Mon Dec 23 07:13:21 2024

Average of 17.580 to 17.592 min.: 5w55777.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	5375	49.00	23344	62.00	27269	74.00	102227
37.00	30787	50.00	103472	63.00	21483	75.00	287701
38.00	26269	51.00	31461	64.00	1926	76.00	24525
39.00	10012	52.00	1300	65.05	376	76.95	3316
39.95	230	55.00	1505	66.95	1457	77.95	2608
42.95	322	56.00	10283	68.00	60795	78.90	31819
43.95	3977	57.00	17350	69.00	61941	79.90	8424
45.00	4992	57.95	691	70.00	5194	80.90	32005
45.95	566	59.00	67	70.90	105	81.90	6577
47.00	6174	60.00	5052	72.00	3099	82.85	741
47.95	3300	61.00	28747	73.00	28032	86.00	703

Average of 17.580 to 17.592 min.: 5w55777.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
87.00	24803	104.90	1134	118.90	3395	133.80	69
88.00	24416	105.90	3409	122.80	78	134.90	1274
90.90	3221	106.90	750	123.00	76	135.85	266
92.00	16939	109.90	519	123.75	421	136.90	1228
93.00	24885	110.90	732	124.90	81	138.85	295
94.00	67773	111.85	689	125.90	285	139.80	345
95.00	539797	112.90	839	126.90	161	140.00	144
96.00	34869	114.90	592	127.90	2190	140.90	6895
97.05	1187	115.90	2671	128.90	1022	141.95	801
102.80	370	116.90	4487	129.90	2123	142.90	7174
103.90	3707	117.85	2899	130.85	871	143.90	467

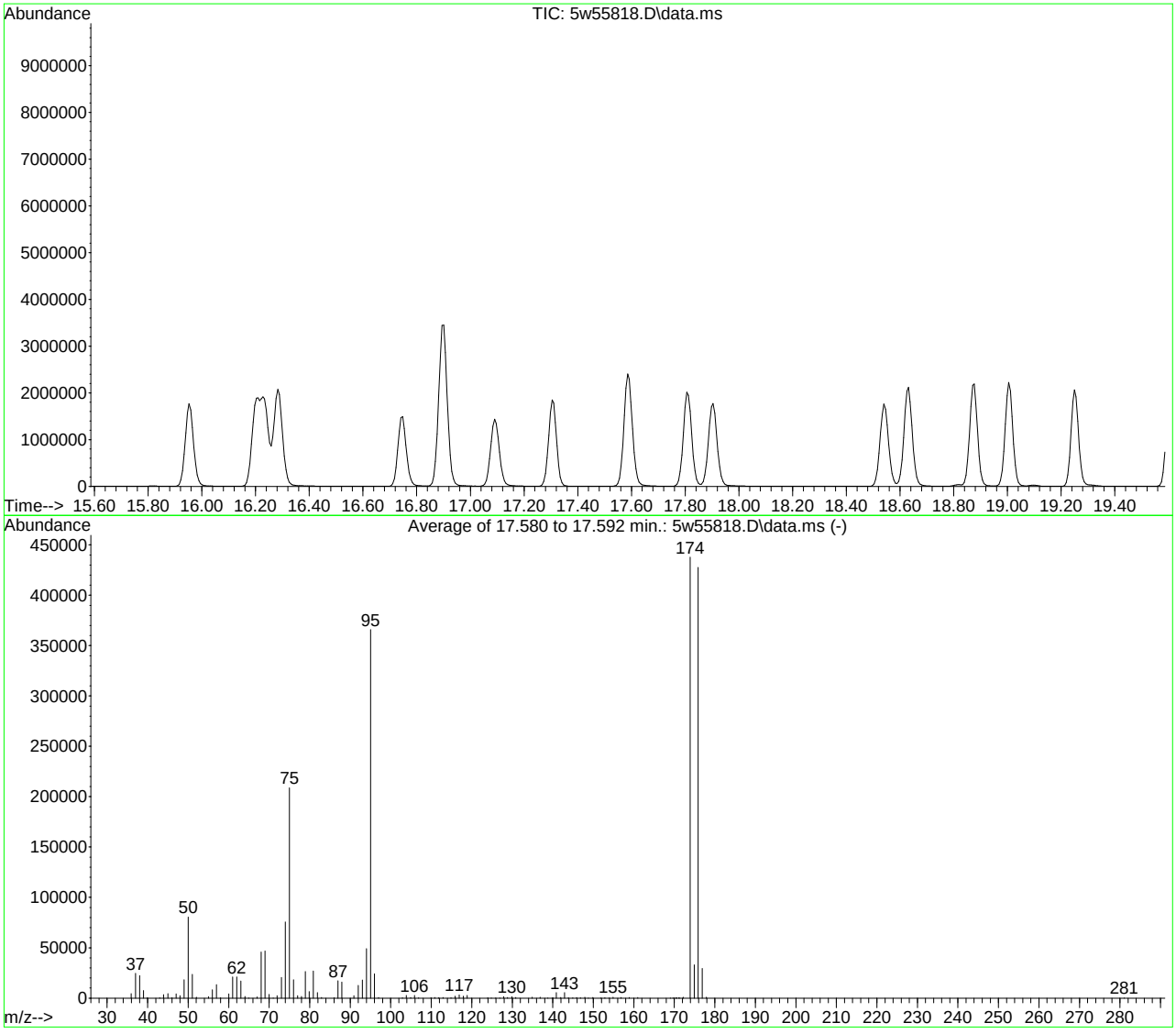
Average of 17.580 to 17.592 min.: 5w55777.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
144.95	579	156.90	1101	175.90	621632		
145.90	919	158.00	67	176.90	40723		
146.95	427	158.85	850	177.90	1217		
147.90	1717	160.85	732				
148.85	431	169.60	71				
149.95	611	169.80	90				
151.90	370	170.80	212				
152.85	427	171.25	394				
153.85	384	171.95	1039				
154.90	1423	173.90	639147				
156.00	67	174.90	46992				

BFB

Data File : C:\msdchem\1\DATA\5w55818.D Vial: 1
Acq On : 23 Dec 2024 8:13 am Operator: thomash
Sample : bfb Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P

Method : Z:\Dayton\MSAIR_Methods\M5w2125.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um



AutoFind: Scans 2369, 2370, 2371; Background Corrected with Scan 2359

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	22.0	80464	PASS
75	95	30	66	57.0	208725	PASS
95	95	100	100	100.0	365867	PASS
96	95	5	9	6.6	24203	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	119.7	437760	PASS
175	174	4	9	7.5	33048	PASS
176	174	93	101	97.7	427712	PASS
177	176	5	9	6.9	29384	PASS

5w55818.D M5w2125.M Mon Dec 23 13:39:03 2024

Average of 17.580 to 17.592 min.: 5w55818.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.95	4503	49.00	18299	63.00	17013	75.00	208725
37.00	24683	50.00	80464	64.00	1589	76.00	18344
38.00	22280	51.00	23667	65.00	201	77.00	2501
39.00	7634	52.05	908	67.00	1153	77.95	1660
39.90	331	55.00	1431	68.00	45832	78.90	26499
43.00	451	56.00	8261	69.00	46893	79.90	6497
43.95	3418	57.00	13481	70.00	3816	80.90	26827
45.00	4352	58.00	494	71.00	83	81.90	5505
46.00	443	60.00	4301	71.95	2456	82.90	690
47.00	4319	61.00	21013	73.00	20453	86.00	467
48.00	2550	62.00	21091	74.00	75576	87.00	17270

Average of 17.580 to 17.592 min.: 5w55818.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
87.95	15974	105.90	2767	123.95	276	139.85	222
90.90	2419	106.90	525	124.80	68	140.10	125
92.00	12633	109.90	511	125.90	67	140.90	5477
93.00	17995	110.90	660	126.90	79	141.95	763
94.00	49232	111.85	484	127.85	1357	142.90	5567
95.00	365867	112.90	696	128.85	675	143.85	317
96.00	24203	114.90	483	129.90	1540	144.90	420
97.00	677	115.90	1917	130.85	536	145.85	584
102.90	310	116.90	3074	134.90	997	146.85	313
103.85	2628	117.90	1957	136.90	827	147.90	1036
104.90	735	118.90	2598	138.80	80	148.80	270

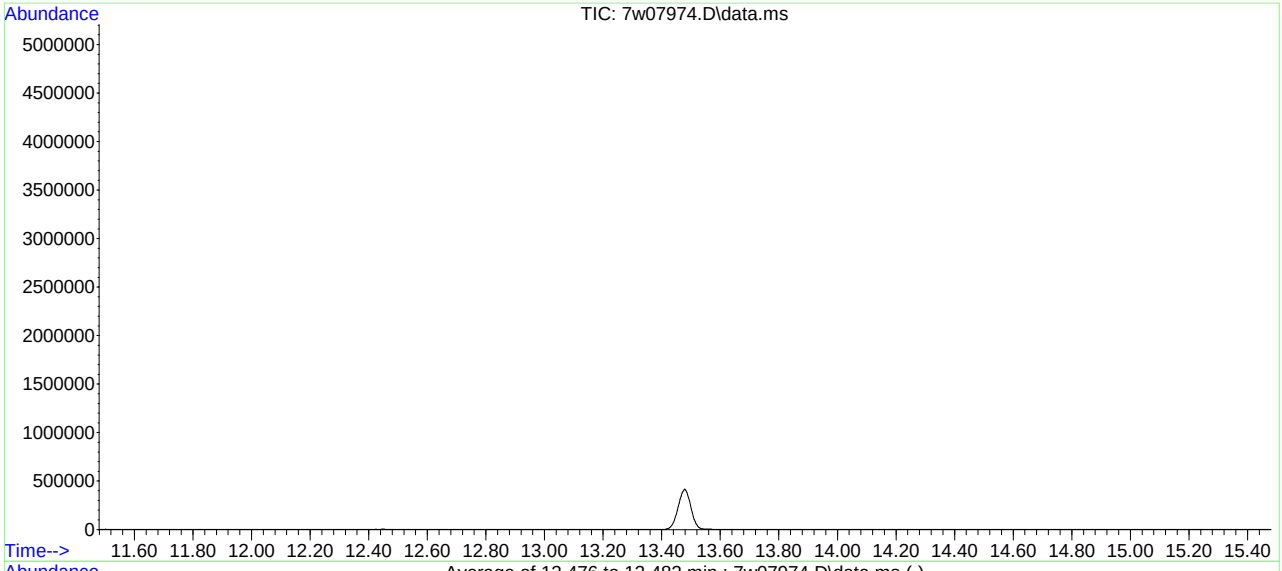
Average of 17.580 to 17.592 min.: 5w55818.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
149.85	533	170.40	317				
151.85	150	170.60	208				
152.85	293	171.10	283				
153.95	255	171.40	234				
154.90	1037	172.20	838				
156.85	732	173.90	437760				
158.90	596	174.95	33048				
160.95	599	175.90	427712				
169.00	240	176.90	29384				
169.65	206	177.90	828				
170.00	99	281.05	180				

BFB

Data File : C:\msdchem\1\data\7w\7w07974.D Vial: 1
Acq On : 18 Aug 2024 9:06 pm Operator: benk
Sample : bfb Inst : MS7W
Misc : MS74014,v7w305,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7Wbfb.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um



AutoFind: Scans 4164, 4165, 4166; Background Corrected with Scan 4136

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	24.4	20443	PASS
75	95	30	66	51.7	43320	PASS
95	95	100	100	100.0	83736	PASS
96	95	5	9	7.1	5915	PASS
173	174	0.00	2	1.0	627	PASS
174	95	50	120	73.5	61525	PASS
175	174	4	9	7.4	4526	PASS
176	174	93	101	95.5	58768	PASS
177	176	5	9	6.6	3856	PASS

7w07974.D M7Wbfb.M Mon Aug 19 09:00:03 2024

Average of 13.476 to 13.482 min.: 7w07974.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	954	50.00	20443	64.00	287	77.90	308
37.00	5028	51.00	6530	67.05	196	78.90	2955
38.00	4273	52.00	277	68.00	8935	79.90	767
39.05	1813	55.05	302	69.00	9076	80.90	3037
43.00	64	55.95	1451	70.00	861	81.85	668
44.00	709	57.00	2901	71.85	499	82.80	43
45.00	966	58.05	156	73.00	3880	83.10	21
46.15	74	60.00	997	74.00	15013	85.90	103
46.95	1367	61.00	4528	75.00	43320	86.95	3242
47.95	630	62.00	4774	76.00	3458	87.95	2880
49.00	4424	63.00	3558	77.00	539	90.85	322

Average of 13.476 to 13.482 min.: 7w07974.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
92.00	2543	110.70	18	127.80	278	142.90	820
93.00	3598	111.05	100	128.70	51	144.00	19
94.00	10531	111.85	87	128.85	135	145.10	22
95.00	83736	112.80	110	129.85	322	145.90	187
96.00	5915	114.85	70	130.85	96	146.70	18
96.95	196	115.85	319	134.75	134	147.90	227
103.90	411	116.85	545	136.90	163	148.70	25
104.80	147	117.85	347	139.70	38	149.85	79
105.85	388	118.85	467	139.90	58	151.90	22
106.90	91	123.80	42	140.90	764	154.80	150
109.80	78	126.90	18	141.85	63	156.90	122

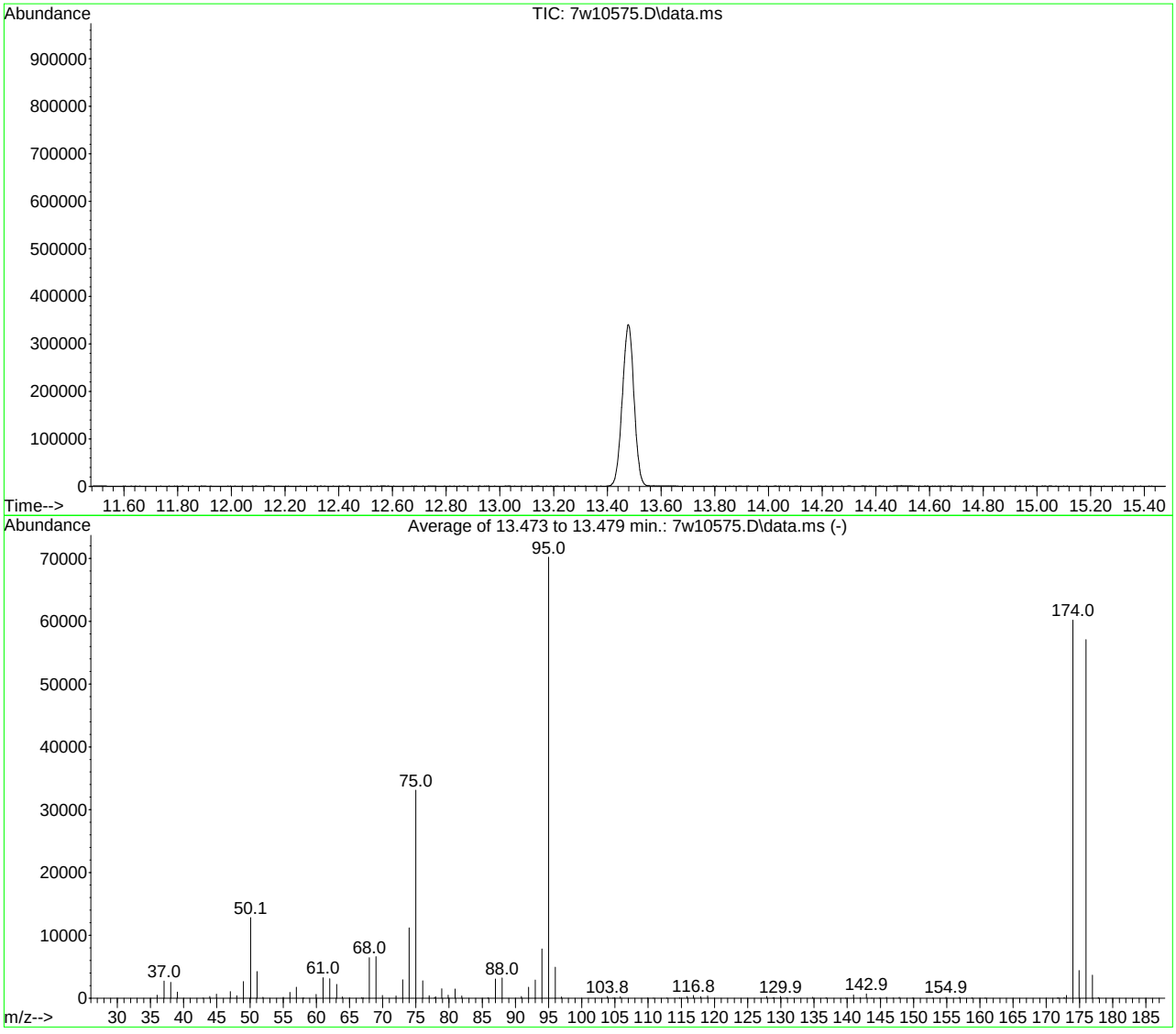
Average of 13.476 to 13.482 min.: 7w07974.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
158.70	34						
158.85	62						
160.80	94						
171.90	37						
173.05	627						
173.90	61525						
174.90	4526						
175.90	58768						
176.90	3856						
177.85	99						

BFB

Data File : X:\Dayton VOA GCMS\l...2024\v7w387\7w10575.D Vial: 1
Acq On : 18 Nov 2024 8:59 am Operator: bkim
Sample : bfb Inst : MS7W
Misc : MS87131,v7w387,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7W305.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um



AutoFind: Scans 4163, 4164, 4165; Background Corrected with Scan 4136

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	18.3	12830	PASS
75	95	30	66	47.2	33101	PASS
95	95	100	100	100.0	70203	PASS
96	95	5	9	7.0	4918	PASS
173	174	0.00	2	0.7	423	PASS
174	95	50	120	85.7	60187	PASS
175	174	4	9	7.3	4410	PASS
176	174	93	101	94.8	57075	PASS
177	176	5	9	6.4	3652	PASS

7w10575.D M7W305.M Tue Nov 19 04:46:34 2024

Average of 13.473 to 13.479 min.: 7w10575.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	475	51.05	4235	63.90	177	76.05	2751
37.05	2709	51.95	158	65.00	37	77.00	389
38.05	2533	55.00	140	66.85	109	77.80	90
39.05	947	56.00	916	67.10	37	77.95	221
42.90	23	57.00	1757	68.00	6431	78.90	1509
43.95	261	57.90	27	69.00	6603	79.85	467
44.95	636	58.10	20	69.95	418	80.90	1455
47.05	1056	59.95	592	72.00	348	81.90	341
48.00	407	61.00	3253	73.00	2933	85.85	76
49.00	2644	62.00	3100	74.00	11184	87.00	3069
50.10	12830	63.05	2183	75.00	33101	88.00	3197

Average of 13.473 to 13.479 min.: 7w10575.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
90.90	255	109.90	18	129.95	257	146.90	19
92.00	1740	110.80	17	130.85	68	147.85	138
93.00	2896	112.80	29	134.80	126	149.90	44
94.00	7840	114.75	68	136.80	115	152.90	28
95.00	70203	115.85	259	139.80	18	154.90	165
96.00	4918	116.85	426	140.95	528	156.95	137
96.95	169	117.90	226	141.95	63	158.80	72
103.85	284	118.95	352	142.90	664	160.80	50
104.70	19	127.85	254	143.70	17	171.70	27
104.90	64	128.80	58	144.90	40	171.85	79
105.80	241	128.95	102	145.90	126	172.70	98

Average of 13.473 to 13.479 min.: 7w10575.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
173.05	423						
174.00	60187						
174.95	4410						
176.00	57075						
176.95	3652						
177.85	105						

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55459.D
Acq On : 9 Dec 2024 4:14 am
Operator : benk
Sample : ic2125-0.04
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 14:26:47 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.663	128	339655	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.835	114	1562017	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	15.347	82	815644	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.663	128	339655	10.00	PPBV	#	0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	17.592	95	987267	10.65	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 106.50%				
Target Compounds							Qvalue
2) FREON 115	3.466	119	2172	0.04	PPBV		97
3) FREON 152A	3.546	65	1042	0.04	PPBV		94
4) CHLORODIFLUOROMETHANE	3.576	67	402	0.03	PPBV	#	42
5) CHLOROTRIFLUOROETHENE	3.613	116	2393	0.04	PPBV		98
6) DICHLORODIFLUOROMETHANE	3.656	85	5059	0.04	PPBV		99
7) PROPYLENE	3.601	41	1813	0.06	PPBV	#	71
8) 1-CHLORO-1,1-DIFLUOROE...	3.760	65	5772	0.05	PPBV		93
9) FREON 114	3.839	85	6871	0.04	PPBV		95
10) CHLOROMETHANE	3.778	52	563	0.04	PPBV	#	19
11) VINYL CHLORIDE	3.931	62	2457	0.04	PPBV	#	88
12) 1,3-BUTADIENE	4.035	54	2084	0.06	PPBV	#	65
15) CHLOROETHANE	4.365	64	1195	0.05	PPBV		73
16) DICHLOROFLUOROMETHANE	4.421	67	6506	0.05	PPBV	#	97
19) FREON 123	4.739	83	6283	0.05	PPBV	#	69
20) FREON 123A	4.782	117	3192	0.05	PPBV	#	67
21) TRICHLOROFLUOROMETHANE	4.947	101	4659	0.04	PPBV		93
24) PENTANE	5.234	42	1715	0.05	PPBV		85
25) IODOMETHANE	5.424	142	3839	0.04	PPBV		98
26) 1,1-DICHLOROETHYLENE	5.491	96	1503	0.04	PPBV		85
27) CARBON DISULFIDE	5.846	76	3987	0.04	PPBV	#	71
29) BROMOETHENE	4.629	106	2097	0.04	PPBV	#	72
31) METHYLENE CHLORIDE	5.595	84	1675	0.05	PPBV		87
32) 3-CHLOROPROPENE	5.693	76	558	0.03	PPBV	#	1
33) FREON 113	5.822	151	2213	0.04	PPBV		85
34) TRANS-1,2-DICHLOROETHY...	6.452	96	1478	0.04	PPBV		87
35) TERTIARY BUTYL ALCOHOL	5.662	59	2332	0.03	PPBV	#	69
36) METHYL TERTIARY BUTYL ...	6.806	73	3795	0.04	PPBV		88
38) HEXANE	7.706	57	1901	0.03	PPBV	#	76
40) 1,1-DICHLOROETHANE	6.647	63	2879	0.04	PPBV		87
42) cis-1,2-DICHLOROETHYLENE	7.492	96	1626	0.04	PPBV		83
46) CHLOROFORM	7.810	83	3517	0.04	PPBV		96
47) 2,4-DIMETHYLPENTANE	8.666	57	2035	0.03	PPBV		84
48) 1,1,1-TRICHLOROETHANE	8.874	97	3477	0.04	PPBV		94
49) CARBON TETRACHLORIDE	9.572	117	3442	0.04	PPBV		88
50) 1,2-DICHLOROETHANE	8.611	62	2033	0.03	PPBV	#	91
52) BENZENE	9.400	78	4500	0.04	PPBV		98
53) CYCLOHEXANE	9.694	84	1364	0.03	PPBV		88
54) 2,3-DIMETHYLPENTANE	10.000	71	683	0.03	PPBV	#	38
55) TRICHLOROETHYLENE	10.655	95	2173	0.04	PPBV		93
56) 1,2-DICHLOROPROPANE	10.373	63	1879	0.04	PPBV		67
57) DIBROMOMETHANE	10.349	174	2796	0.05	PPBV		95
59) BROMODICHLOROMETHANE	10.606	83	3467	0.03	PPBV		99
60) 2,2,4-TRIMETHYLPENTANE	10.691	57	6036	0.03	PPBV	#	91
62) HEPTANE	11.040	43	2264	0.03	PPBV		83
65) cis-1,3-DICHLOROPROPENE	11.756	75	2163	0.03	PPBV		73
66) TOLUENE	12.979	92	2538	0.03	PPBV		95
67) 1,3-DICHLOROPROPANE	13.028	76	2245	0.03	PPBV	#	80

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55459.D
Acq On : 9 Dec 2024 4:14 am
Operator : benk
Sample : ic2125-0.04
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 14:26:47 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

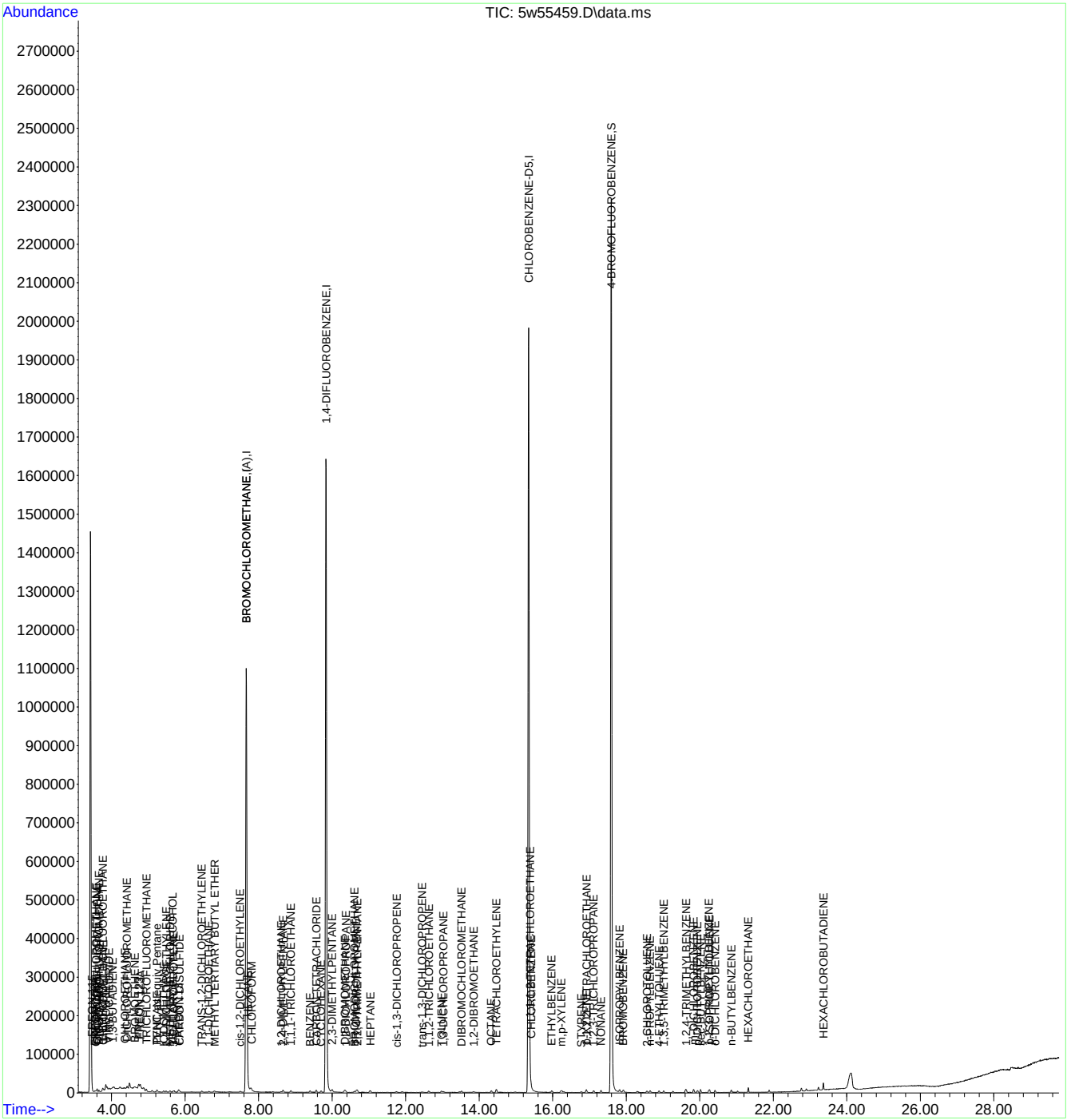
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
68)	trans-1,3-DICHLOROPROPENE	12.441	75	1621	0.02	PPBV	#	72
69)	1,1,2-TRICHLOROETHANE	12.631	83	1711	0.03	PPBV		91
73)	TETRACHLOROETHYLENE	14.466	164	2289	0.04	PPBV		96
74)	DIBROMOCHLOROMETHANE	13.518	129	2451	0.02	PPBV		92
75)	1,2-DIBROMOETHANE	13.848	107	2444	0.03	PPBV	#	99
76)	OCTANE	14.325	43	2490	0.03	PPBV		88
77)	1,1,1,2-TETRACHLOROETHANE	15.390	131	2034	0.03	PPBV		90
78)	CHLOROBENZENE	15.414	112	4300	0.04	PPBV	#	48
79)	ETHYLBENZENE	15.971	91	5680	0.03	PPBV		91
80)	m,p-XYLENE	16.234	106	3582	0.05	PPBV	#	78
81)	o-XYLENE	16.913	106	1696	0.03	PPBV		91
82)	STYRENE	16.778	104	2235	0.02	PPBV		85
83)	NONANE	17.311	43	2668	0.03	PPBV	#	83
86)	1,1,2,2-TETRACHLOROETHANE	16.925	83	4487	0.04	PPBV	#	92
87)	1,2,3-TRICHLOROPROPANE	17.109	75	3082	0.04	PPBV		85
88)	ISOPROPYLBENZENE	17.818	105	6235	0.03	PPBV		95
89)	BROMOBENZENE	17.916	77	3942	0.04	PPBV		88
90)	2-CHLOROTOLUENE	18.565	126	1257	0.03	PPBV		59
91)	n-PROPYLBENZENE	18.644	120	1200	0.02	PPBV	#	61
92)	4-ETHYLTOLUENE	18.889	105	4926	0.03	PPBV	#	97
93)	1,3,5-TRIMETHYLBENZENE	19.017	105	4056	0.03	PPBV		94
96)	1,2,4-TRIMETHYLBENZENE	19.635	105	4381	0.03	PPBV		95
97)	m-DICHLOROBENZENE	19.831	146	3796	0.03	PPBV		91
99)	p-DICHLOROBENZENE	19.935	146	3500	0.03	PPBV		96
100)	sec-BUTYLBENZENE	20.027	134	1089	0.03	PPBV	#	90
101)	1,2,3-TRIMETHYLBENZENE	20.241	105	4328	0.03	PPBV	#	95
102)	p-ISOPROPYLTOLUENE	20.265	134	1184	0.02	PPBV		94
103)	o-DICHLOROBENZENE	20.418	146	3642	0.03	PPBV		99
104)	n-BUTYLBENZENE	20.865	134	927	0.02	PPBV	#	53
105)	HEXACHLOROETHANE	21.318	117	2307	0.03	PPBV		94
106)	HEXACHLOROBUTADIENE	23.367	225	3647	0.03	PPBV		91
110)	TVHC as equiv Pentane	5.234	TIC	13331	0.06	PPBV		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55459.D
Acq On : 9 Dec 2024 4:14 am
Operator : benk
Sample : ic2125-0.04
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 14:26:47 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55460.D
Acq On : 9 Dec 2024 4:54 am
Operator : benk
Sample : ic2125-0.1
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 14:26:58 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.669	128	333430	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.835	114	1533309	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	15.347	82	804190	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.669	128	333430	10.00	PPBV	#	0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	17.592	95	985635	10.78	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 107.80%				
Target Compounds							Qvalue
2) FREON 115	3.472	119	5523	0.10	PPBV		97
3) FREON 152A	3.552	65	2440	0.10	PPBV		99
4) CHLORODIFLUOROMETHANE	3.588	67	1205	0.09	PPBV		74
5) CHLOROTRIFLUOROETHENE	3.613	116	5398	0.09	PPBV		95
6) DICHLORODIFLUOROMETHANE	3.656	85	12499	0.10	PPBV		99
7) PROPYLENE	3.607	41	3754	0.13	PPBV		84
8) 1-CHLORO-1,1-DIFLUOROE...	3.760	65	13615	0.11	PPBV		97
9) FREON 114	3.845	85	17687	0.12	PPBV		99
10) CHLOROMETHANE	3.784	52	1884	0.12	PPBV	#	78
11) VINYL CHLORIDE	3.931	62	5930	0.11	PPBV		94
12) 1,3-BUTADIENE	4.035	54	4083	0.11	PPBV	#	72
13) n-BUTANE	4.072	43	9842	0.15	PPBV	#	95
14) BROMOMETHANE	4.231	94	8281	0.15	PPBV		91
15) CHLOROETHANE	4.365	64	2881	0.12	PPBV		85
16) DICHLOROFLUOROMETHANE	4.427	67	14568	0.12	PPBV		97
17) ACETONITRILE	4.647	41	4678	0.12	PPBV	#	65
18) ACROLEIN	4.739	56	2049	0.11	PPBV	#	1
19) FREON 123	4.739	83	14828	0.12	PPBV		96
20) FREON 123A	4.788	117	7831	0.12	PPBV		84
21) TRICHLOROFLUOROMETHANE	4.947	101	11923	0.11	PPBV		98
22) ISOPROPYL ALCOHOL	5.093	45	9920	0.14	PPBV		92
24) PENTANE	5.240	42	3946	0.11	PPBV		98
25) IODOMETHANE	5.424	142	9585	0.10	PPBV		96
26) 1,1-DICHLOROETHYLENE	5.485	96	3785	0.11	PPBV		88
27) CARBON DISULFIDE	5.858	76	10145	0.10	PPBV		92
29) BROMOETHENE	4.622	106	5236	0.10	PPBV		91
31) METHYLENE CHLORIDE	5.601	84	3905	0.11	PPBV		95
32) 3-CHLOROPROPENE	5.705	76	1660	0.10	PPBV	#	52
33) FREON 113	5.828	151	6007	0.10	PPBV		98
34) TRANS-1,2-DICHLOROETHY...	6.458	96	4040	0.11	PPBV		81
35) TERTIARY BUTYL ALCOHOL	5.650	59	6051	0.08	PPBV		93
36) METHYL TERTIARY BUTYL ...	6.794	73	8939	0.09	PPBV		95
37) TETRAHYDROFURAN	8.366	72	939	0.06	PPBV	#	61
38) HEXANE	7.712	57	4501	0.08	PPBV		85
40) 1,1-DICHLOROETHANE	6.647	63	7146	0.10	PPBV		98
41) METHYL ETHYL KETONE	7.155	72	815	0.05	PPBV	#	82
42) cis-1,2-DICHLOROETHYLENE	7.498	96	4154	0.10	PPBV		84
43) DIISOPROPYL ETHER	7.779	59	1194	0.07	PPBV	#	60
44) ETHYL ACETATE	7.834	61	535	0.04	PPBV	#	38
46) CHLOROFORM	7.810	83	8944	0.10	PPBV		91
47) 2,4-DIMETHYLPENTANE	8.666	57	5058	0.08	PPBV		87
48) 1,1,1-TRICHLOROETHANE	8.874	97	9054	0.10	PPBV		96
49) CARBON TETRACHLORIDE	9.572	117	8961	0.09	PPBV		97
50) 1,2-DICHLOROETHANE	8.611	62	5541	0.09	PPBV		96
52) BENZENE	9.400	78	10879	0.09	PPBV		98
53) CYCLOHEXANE	9.706	84	3668	0.08	PPBV		94
54) 2,3-DIMETHYLPENTANE	10.000	71	1964	0.08	PPBV	#	73

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55460.D
Acq On : 9 Dec 2024 4:54 am
Operator : benk
Sample : ic2125-0.1
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 14:26:58 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

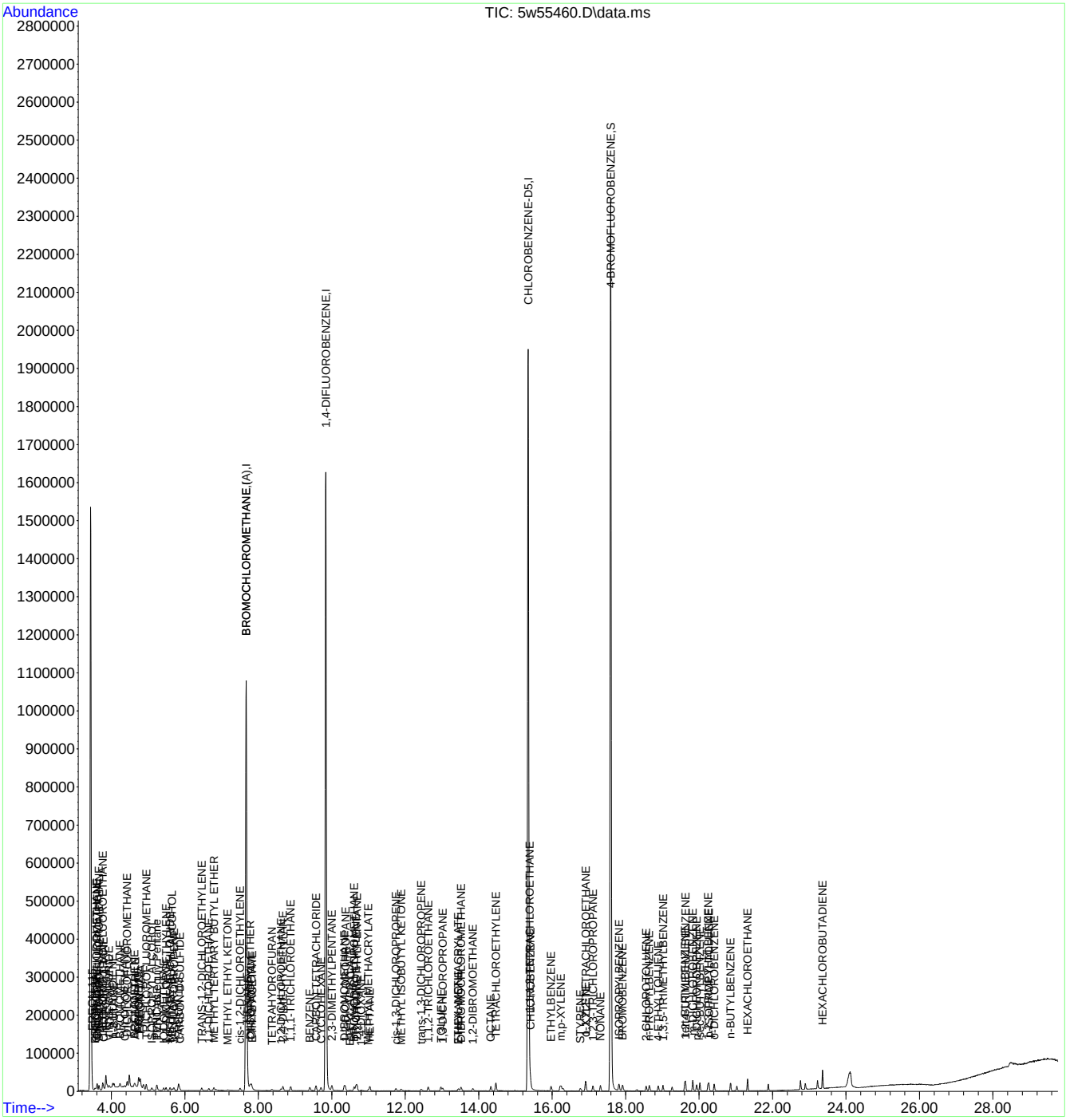
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
55)	TRICHLOROETHYLENE	10.654	95	5207	0.09	PPBV		94
56)	1,2-DICHLOROPROPANE	10.373	63	4453	0.09	PPBV		93
57)	DIBROMOMETHANE	10.342	174	5531	0.10	PPBV		90
58)	ETHYL ACRYLATE	10.495	55	4814	0.06	PPBV	#	73
59)	BROMODICHLOROMETHANE	10.605	83	8911	0.08	PPBV		99
60)	2,2,4-TRIMETHYLPENTANE	10.685	57	14978	0.08	PPBV		94
61)	1,4-DIOXANE	10.801	88	2000	0.07	PPBV	#	1
62)	HEPTANE	11.034	43	5175	0.08	PPBV		98
63)	METHYL METHACRYLATE	10.991	69	2482	0.06	PPBV	#	65
64)	METHYL ISOBUTYL KETONE	11.890	58	1969	0.06	PPBV	#	71
65)	cis-1,3-DICHLOROPROPENE	11.743	75	5623	0.07	PPBV		92
66)	TOLUENE	12.973	92	6560	0.08	PPBV		97
67)	1,3-DICHLOROPROPANE	13.022	76	6020	0.08	PPBV	#	91
68)	trans-1,3-DICHLOROPROPENE	12.429	75	4364	0.06	PPBV		84
69)	1,1,2-TRICHLOROETHANE	12.624	83	4269	0.09	PPBV		96
71)	2-HEXANONE	13.450	58	1982	0.04	PPBV	#	42
72)	ETHYL METHACRYLATE	13.432	69	3502	0.05	PPBV	#	90
73)	TETRACHLOROETHYLENE	14.472	164	5984	0.11	PPBV		99
74)	DIBROMOCHLOROMETHANE	13.517	129	7109	0.07	PPBV		95
75)	1,2-DIBROMOETHANE	13.836	107	7065	0.09	PPBV	#	99
76)	OCTANE	14.325	43	6427	0.08	PPBV		92
77)	1,1,1,2-TETRACHLOROETHANE	15.390	131	6008	0.10	PPBV		94
78)	CHLOROBENZENE	15.408	112	11162	0.10	PPBV	#	48
79)	ETHYLBENZENE	15.965	91	14102	0.08	PPBV		95
80)	m,p-XYLENE	16.234	106	9481	0.14	PPBV		99
81)	o-XYLENE	16.907	106	4760	0.07	PPBV		90
82)	STYRENE	16.766	104	6206	0.06	PPBV		94
83)	NONANE	17.310	43	6297	0.07	PPBV	#	91
86)	1,1,2,2-TETRACHLOROETHANE	16.913	83	11296	0.09	PPBV		99
87)	1,2,3-TRICHLOROPROPANE	17.109	75	8353	0.10	PPBV		99
88)	ISOPROPYLBENZENE	17.818	105	15817	0.08	PPBV		98
89)	BROMOBENZENE	17.916	77	9455	0.09	PPBV		95
90)	2-CHLOROTOLUENE	18.552	126	3541	0.07	PPBV		88
91)	n-PROPYLBENZENE	18.638	120	3339	0.07	PPBV		94
92)	4-ETHYLTOLUENE	18.883	105	13159	0.07	PPBV		99
93)	1,3,5-TRIMETHYLBENZENE	19.017	105	11418	0.07	PPBV		95
95)	tert-BUTYLBENZENE	19.617	134	2169	0.06	PPBV	#	89
96)	1,2,4-TRIMETHYLBENZENE	19.635	105	10880	0.06	PPBV		95
97)	m-DICHLOROBENZENE	19.825	146	9479	0.08	PPBV		98
99)	p-DICHLOROBENZENE	19.935	146	9928	0.09	PPBV		98
100)	sec-BUTYLBENZENE	20.021	134	2915	0.07	PPBV		92
101)	1,2,3-TRIMETHYLBENZENE	20.241	105	11857	0.07	PPBV	#	97
102)	p-ISOPROPYLTOLUENE	20.265	134	3311	0.07	PPBV		97
103)	o-DICHLOROBENZENE	20.412	146	9802	0.09	PPBV		99
104)	n-BUTYLBENZENE	20.853	134	2781	0.06	PPBV	#	75
105)	HEXACHLOROETHANE	21.318	117	6060	0.07	PPBV		96
106)	HEXACHLOROBUTADIENE	23.361	225	8613	0.08	PPBV		98
110)	TVHC as equiv Pentane	5.234	TIC	32564	0.14	PPBV		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55460.D
Acq On : 9 Dec 2024 4:54 am
Operator : benk
Sample : ic2125-0.1
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 14:26:58 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55461.D
Acq On : 9 Dec 2024 5:35 am
Operator : benk
Sample : ic2125-0.2
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 09:59:51 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.663	128	334972	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.829	114	1532765	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	15.347	82	812540	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.663	128	334972	10.00	PPBV	#	0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	17.592	95	990143	10.72	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 107.20%				
Target Compounds							Qvalue
2) FREON 115	3.460	119	9311	0.17	PPBV		97
3) FREON 152A	3.546	65	5104	0.20	PPBV		99
4) CHLORODIFLUOROMETHANE	3.576	67	2636	0.19	PPBV		89
5) CHLOROTRIFLUOROETHENE	3.607	116	11548	0.20	PPBV		99
6) DICHLORODIFLUOROMETHANE	3.656	85	25208	0.20	PPBV		98
7) PROPYLENE	3.601	41	6295	0.22	PPBV		91
8) 1-CHLORO-1,1-DIFLUOROE...	3.754	65	27839	0.22	PPBV		97
9) FREON 114	3.845	85	35981	0.24	PPBV		96
10) CHLOROMETHANE	3.772	52	3787	0.24	PPBV	#	76
11) VINYL CHLORIDE	3.931	62	12507	0.23	PPBV		99
12) 1,3-BUTADIENE	4.029	54	8476	0.24	PPBV		90
13) n-BUTANE	4.066	43	17914	0.27	PPBV	#	95
14) BROMOMETHANE	4.231	94	13070	0.24	PPBV		94
15) CHLOROETHANE	4.359	64	5838	0.24	PPBV		92
16) DICHLOROFLUOROMETHANE	4.420	67	28789	0.24	PPBV		99
17) ACETONITRILE	4.641	41	10098	0.26	PPBV	#	79
18) ACROLEIN	4.732	56	3711	0.20	PPBV	#	16
19) FREON 123	4.739	83	29093	0.24	PPBV		99
20) FREON 123A	4.781	117	16016	0.24	PPBV		91
21) TRICHLOROFLUOROMETHANE	4.940	101	24059	0.21	PPBV		99
22) ISOPROPYL ALCOHOL	5.087	45	17230	0.24	PPBV		79
23) ACETONE	4.861	58	9631	0.44	PPBV		93
24) PENTANE	5.234	42	7781	0.22	PPBV		98
25) IODOMETHANE	5.418	142	19206	0.19	PPBV		98
26) 1,1-DICHLOROETHYLENE	5.485	96	7466	0.21	PPBV		91
27) CARBON DISULFIDE	5.852	76	21129	0.20	PPBV		96
29) BROMOETHENE	4.616	106	11097	0.22	PPBV		97
30) ACRYLONITRILE	5.222	52	13028	0.58	PPBV		95
31) METHYLENE CHLORIDE	5.595	84	7591	0.22	PPBV		95
32) 3-CHLOROPROPENE	5.699	76	3438	0.20	PPBV	#	65
33) FREON 113	5.821	151	11480	0.19	PPBV		92
34) TRANS-1,2-DICHLOROETHY...	6.458	96	7568	0.20	PPBV		94
35) TERTIARY BUTYL ALCOHOL	5.638	59	12091	0.16	PPBV		94
36) METHYL TERTIARY BUTYL ...	6.776	73	17880	0.17	PPBV		92
37) TETRAHYDROFURAN	8.342	72	2081	0.12	PPBV	#	61
38) HEXANE	7.706	57	9519	0.17	PPBV	#	79
39) VINYL ACETATE	6.843	86	448	0.07	PPBV	#	1
40) 1,1-DICHLOROETHANE	6.653	63	14588	0.20	PPBV		98
41) METHYL ETHYL KETONE	7.137	72	2221	0.13	PPBV		100
42) cis-1,2-DICHLOROETHYLENE	7.498	96	7416	0.19	PPBV		99
43) DIISOPROPYL ETHER	7.767	59	2706	0.16	PPBV	#	82
44) ETHYL ACETATE	7.810	61	1722	0.14	PPBV	#	38
45) METHYL ACRYLATE	7.797	55	9313m	0.13	PPBV		
46) CHLOROFORM	7.804	83	18397	0.21	PPBV		92
47) 2,4-DIMETHYLPENTANE	8.666	57	11164	0.17	PPBV		90
48) 1,1,1-TRICHLOROETHANE	8.874	97	17633	0.20	PPBV		96
49) CARBON TETRACHLORIDE	9.565	117	18453	0.19	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55461.D
Acq On : 9 Dec 2024 5:35 am
Operator : benk
Sample : ic2125-0.2
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 09:59:51 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	8.611	62	12009	0.20	PPBV		98
52)	BENZENE	9.394	78	21730	0.19	PPBV		99
53)	CYCLOHEXANE	9.700	84	7528	0.16	PPBV		94
54)	2,3-DIMETHYLPENTANE	10.000	71	4203	0.17	PPBV	#	84
55)	TRICHLOROETHYLENE	10.648	95	10750	0.18	PPBV		98
56)	1,2-DICHLOROPROPANE	10.367	63	9173	0.19	PPBV		94
57)	DIBROMOMETHANE	10.336	174	11081	0.21	PPBV		96
58)	ETHYL ACRYLATE	10.477	55	10722	0.12	PPBV	#	89
59)	BROMODICHLOROMETHANE	10.605	83	18157	0.17	PPBV		98
60)	2,2,4-TRIMETHYLPENTANE	10.685	57	30352	0.16	PPBV		96
61)	1,4-DIOXANE	10.777	88	4553	0.16	PPBV	#	1
62)	HEPTANE	11.034	43	10843	0.17	PPBV		98
63)	METHYL METHACRYLATE	10.985	69	5874	0.14	PPBV		88
64)	METHYL ISOBUTYL KETONE	11.872	58	4610	0.13	PPBV	#	75
65)	cis-1,3-DICHLOROPROPENE	11.737	75	12276	0.15	PPBV		93
66)	TOLUENE	12.967	92	13467	0.16	PPBV		98
67)	1,3-DICHLOROPROPANE	13.022	76	12399	0.17	PPBV	#	99
68)	trans-1,3-DICHLOROPROPENE	12.429	75	10502	0.14	PPBV		92
69)	1,1,2-TRICHLOROETHANE	12.618	83	9074	0.19	PPBV		98
71)	2-HEXANONE	13.426	58	5591	0.12	PPBV	#	68
72)	ETHYL METHACRYLATE	13.426	69	7979	0.12	PPBV		92
73)	TETRACHLOROETHYLENE	14.466	164	11793	0.22	PPBV		98
74)	DIBROMOCHLOROMETHANE	13.511	129	14897	0.15	PPBV		98
75)	1,2-DIBROMOETHANE	13.836	107	14712	0.18	PPBV	#	97
76)	OCTANE	14.331	43	13225	0.16	PPBV		96
77)	1,1,1,2-TETRACHLOROETHANE	15.396	131	12320	0.19	PPBV		95
78)	CHLOROBENZENE	15.408	112	22541	0.21	PPBV		97
79)	ETHYLBENZENE	15.965	91	29130	0.17	PPBV		98
80)	m,p-XYLENE	16.240	106	19915	0.30	PPBV		97
81)	o-XYLENE	16.907	106	9697	0.15	PPBV		95
82)	STYRENE	16.760	104	13243	0.14	PPBV		97
83)	NONANE	17.310	43	13708	0.16	PPBV		97
84)	BROMOFORM	16.295	173	8706	0.09	PPBV		96
86)	1,1,2,2-TETRACHLOROETHANE	16.913	83	24040	0.20	PPBV		99
87)	1,2,3-TRICHLOROPROPANE	17.102	75	17778	0.21	PPBV		96
88)	ISOPROPYLBENZENE	17.818	105	32811	0.17	PPBV		99
89)	BROMOBENZENE	17.910	77	19537	0.19	PPBV		95
90)	2-CHLOROTOLUENE	18.552	126	7829	0.16	PPBV		94
91)	n-PROPYLBENZENE	18.638	120	7841	0.15	PPBV		100
92)	4-ETHYLTOLUENE	18.883	105	27822	0.15	PPBV		99
93)	1,3,5-TRIMETHYLBENZENE	19.017	105	24334	0.15	PPBV		100
94)	ALPHA-METHYLSTYRENE	19.262	118	9644	0.12	PPBV		97
95)	tert-BUTYLBENZENE	19.611	134	4755	0.14	PPBV		90
96)	1,2,4-TRIMETHYLBENZENE	19.629	105	25504	0.15	PPBV		99
97)	m-DICHLOROBENZENE	19.825	146	21451	0.17	PPBV		99
98)	BENZYL CHLORIDE	19.819	91	23238	0.13	PPBV		96
99)	p-DICHLOROBENZENE	19.929	146	21116	0.18	PPBV		99
100)	sec-BUTYLBENZENE	20.014	134	6501	0.16	PPBV	#	89
101)	1,2,3-TRIMETHYLBENZENE	20.235	105	25578	0.15	PPBV	#	100
102)	p-ISOPROPYLTOLUENE	20.265	134	7256	0.15	PPBV		94
103)	o-DICHLOROBENZENE	20.406	146	20937	0.19	PPBV		97
104)	n-BUTYLBENZENE	20.859	134	6435	0.14	PPBV	#	88
105)	HEXACHLOROETHANE	21.318	117	12703	0.15	PPBV		95
106)	HEXACHLOROBUTADIENE	23.361	225	17057	0.16	PPBV		97
107)	1,2,4-TRICHLOROBENZENE	23.220	180	16218	0.16	PPBV		98
108)	NAPHTHALENE	22.890	128	33921	0.14	PPBV		97
110)	TVHC as equiv Pentane	5.228	TIC	75387	0.32	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55461.D
Acq On : 9 Dec 2024 5:35 am
Operator : benk
Sample : ic2125-0.2
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 09:59:51 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

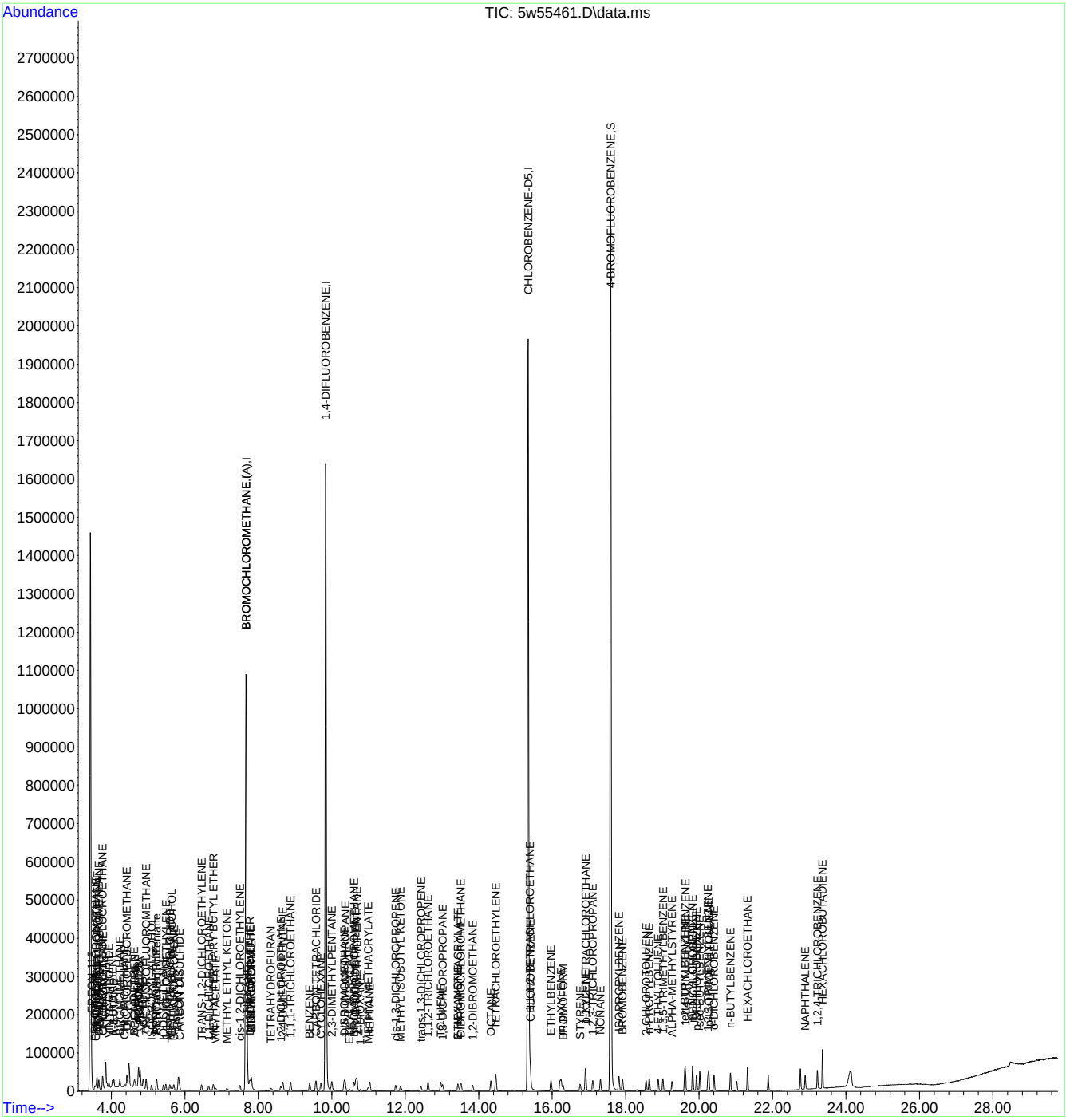
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55461.D
Acq On : 9 Dec 2024 5:35 am
Operator : benk
Sample : ic2125-0.2
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

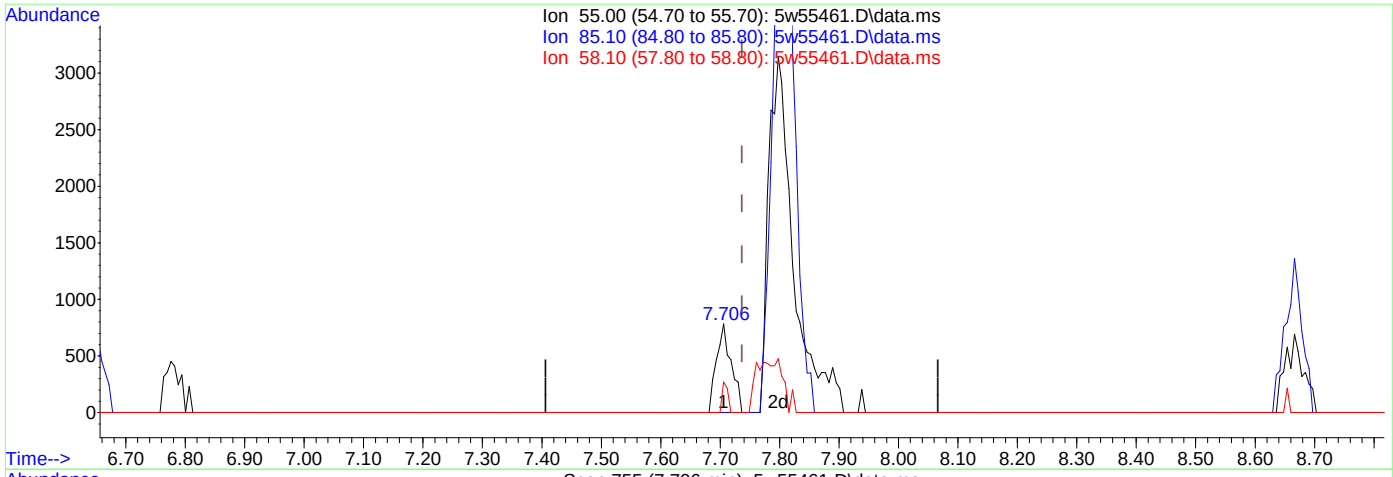
Quant Time: Dec 09 09:59:51 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

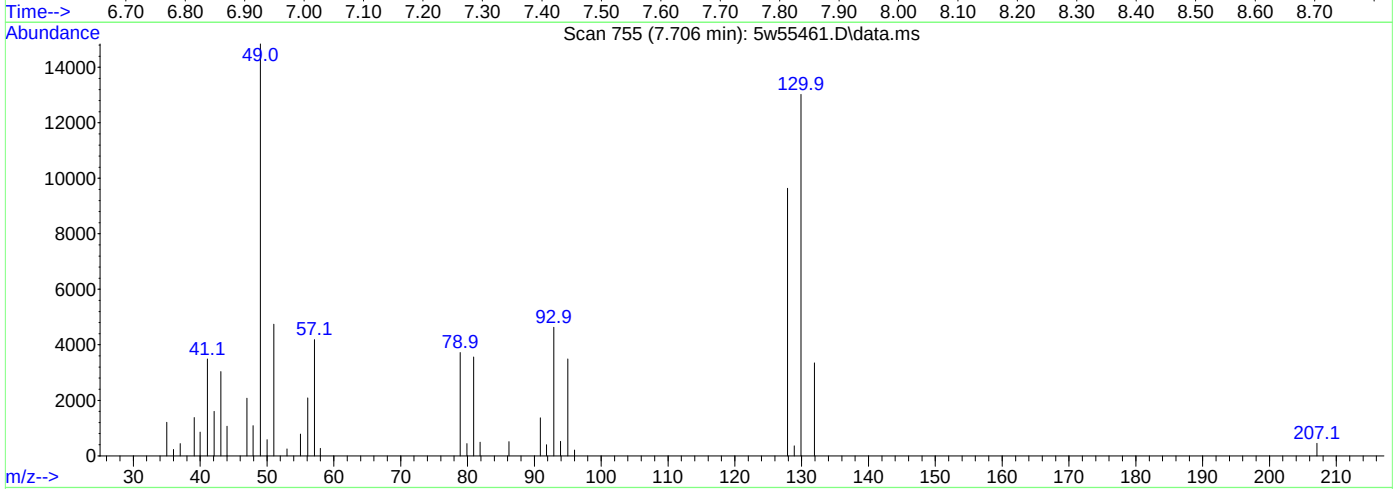


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 5w55461.D
Acq On : 9 Dec 2024 5:35 am
Operator : benk
Sample : ic2125-0.2
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 09:56:14 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration





TIC: 5w55461.D\data.ms

(45) METHYL ACRYLATE

7.706min (-0.031) 0.02PPBV

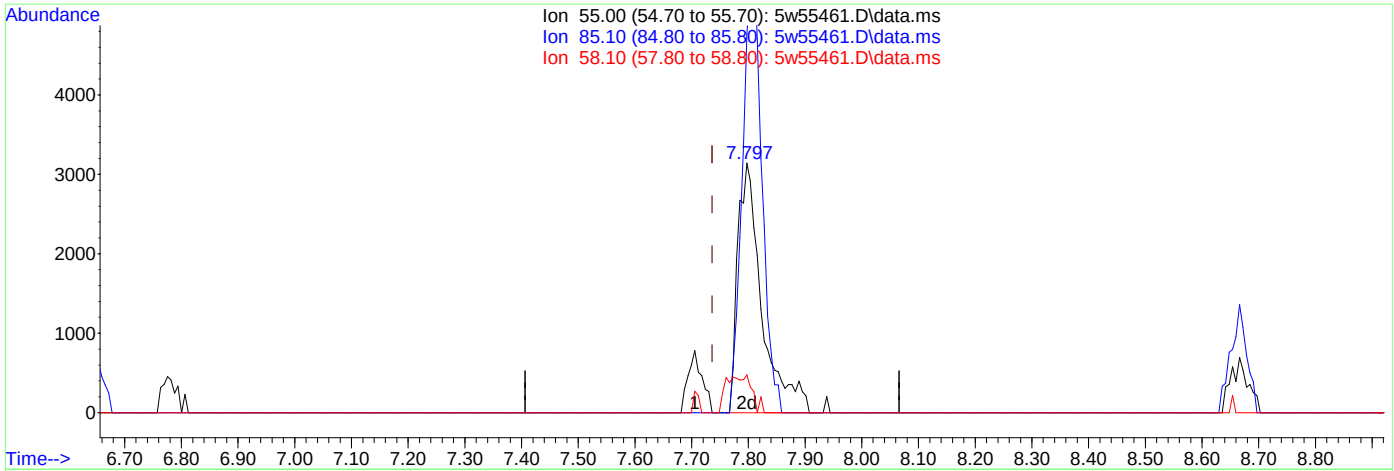
response 1349

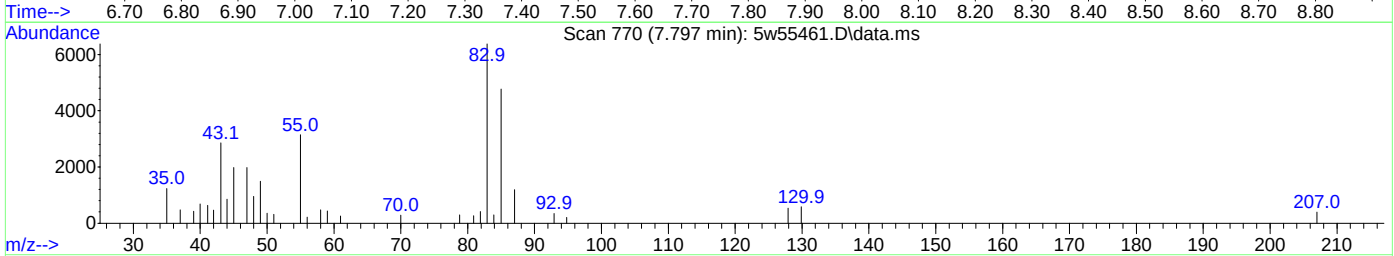
Ion	Exp%	Act%
55.00	100	100
85.10	16.30	0.00#
58.10	13.80	13.19
0.00	0.00	0.00

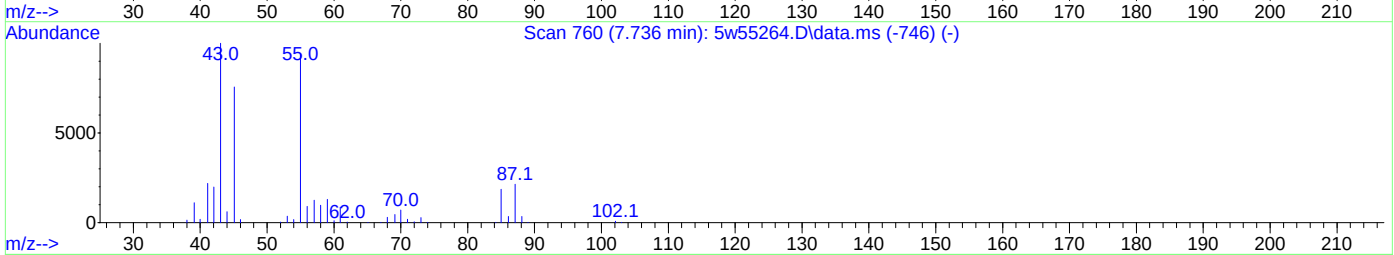
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 5w55461.D
Acq On : 9 Dec 2024 5:35 am
Operator : benk
Sample : ic2125-0.2
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 09:56:14 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration







TIC: 5w55461.D\data.ms

(45) METHYL ACRYLATE

7.797min (+0.061) 0.13PPBV m

response 9313

Ion	Exp%	Act%
55.00	100	100
85.10	16.30	0.00#
58.10	13.80	1.91#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55463.D
Acq On : 9 Dec 2024 6:59 am
Operator : benk
Sample : ic2125-0.5
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 09 10:05:07 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.663	128	330769	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.835	114	1512302	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	15.347	82	803446	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.663	128	330769	10.00	PPBV	#	0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	17.592	95	985952	10.80	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 108.00%				
Target Compounds							Qvalue
2) FREON 115	3.466	119	29319	0.53	PPBV		99
3) FREON 152A	3.546	65	13383	0.53	PPBV		99
4) CHLORODIFLUOROMETHANE	3.576	67	6908	0.51	PPBV		99
5) CHLOROTRIFLUOROETHENE	3.607	116	29810	0.52	PPBV		98
6) DICHLORODIFLUOROMETHANE	3.656	85	67318	0.54	PPBV		100
7) PROPYLENE	3.601	41	16353	0.57	PPBV		97
8) 1-CHLORO-1,1-DIFLUOROE...	3.754	65	72198	0.58	PPBV		99
9) FREON 114	3.839	85	94289	0.63	PPBV		96
10) CHLOROMETHANE	3.772	52	9386	0.61	PPBV		96
11) VINYL CHLORIDE	3.931	62	32272	0.60	PPBV		97
12) 1,3-BUTADIENE	4.029	54	22258	0.63	PPBV		92
13) n-BUTANE	4.066	43	46066	0.70	PPBV	#	95
14) BROMOMETHANE	4.231	94	34352	0.64	PPBV		99
15) CHLOROETHANE	4.359	64	15312	0.64	PPBV		97
16) DICHLOROFLUOROMETHANE	4.421	67	75373	0.64	PPBV		99
17) ACETONITRILE	4.635	41	25964	0.67	PPBV	#	91
18) ACROLEIN	4.733	56	11639	0.65	PPBV	#	70
19) FREON 123	4.733	83	77441	0.64	PPBV		99
20) FREON 123A	4.781	117	41439	0.64	PPBV		88
21) TRICHLOROFLUOROMETHANE	4.941	101	65623	0.59	PPBV		100
22) ISOPROPYL ALCOHOL	5.075	45	39268	0.56	PPBV		91
23) ACETONE	4.855	58	15107	0.70	PPBV		95
24) PENTANE	5.234	42	20184	0.57	PPBV		98
25) IODOMETHANE	5.418	142	52352	0.54	PPBV		99
26) 1,1-DICHLOROETHYLENE	5.479	96	19140	0.54	PPBV		99
27) CARBON DISULFIDE	5.852	76	57576	0.55	PPBV		94
28) ETHANOL	4.476	45	20172	0.78	PPBV		95
29) BROMOETHENE	4.622	106	29626	0.59	PPBV		94
30) ACRYLONITRILE	5.216	52	13527	0.61	PPBV		98
31) METHYLENE CHLORIDE	5.589	84	20169	0.60	PPBV		99
32) 3-CHLOROPROPENE	5.693	76	8647	0.50	PPBV		89
33) FREON 113	5.821	151	32099	0.55	PPBV		99
34) TRANS-1,2-DICHLOROETHY...	6.458	96	20028	0.53	PPBV		97
35) TERTIARY BUTYL ALCOHOL	5.620	59	35107	0.47	PPBV		94
36) METHYL TERTIARY BUTYL ...	6.757	73	52017	0.51	PPBV		94
37) TETRAHYDROFURAN	8.311	72	7703	0.46	PPBV		95
38) HEXANE	7.706	57	28766	0.51	PPBV		94
39) VINYL ACETATE	6.831	86	2531	0.38	PPBV	#	75
40) 1,1-DICHLOROETHANE	6.647	63	39839	0.56	PPBV		100
41) METHYL ETHYL KETONE	7.112	72	7562	0.44	PPBV		93
42) cis-1,2-DICHLOROETHYLENE	7.498	96	20793	0.53	PPBV		98
43) DIISOPROPYL ETHER	7.755	59	8150	0.47	PPBV	#	89
44) ETHYL ACETATE	7.791	61	5941	0.48	PPBV	#	72
45) METHYL ACRYLATE	7.773	55	30367m	0.44	PPBV		
46) CHLOROFORM	7.804	83	51722	0.59	PPBV		93
47) 2,4-DIMETHYLPENTANE	8.666	57	31054	0.49	PPBV		91
48) 1,1,1-TRICHLOROETHANE	8.874	97	49711	0.56	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55463.D
Acq On : 9 Dec 2024 6:59 am
Operator : benk
Sample : ic2125-0.5
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 09 10:05:07 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
49) CARBON TETRACHLORIDE	9.566	117	51155	0.54	PPBV		99
50) 1,2-DICHLOROETHANE	8.605	62	32790	0.56	PPBV		100
52) BENZENE	9.400	78	61342	0.54	PPBV		99
53) CYCLOHEXANE	9.700	84	22074	0.49	PPBV		99
54) 2,3-DIMETHYLPENTANE	10.000	71	12638	0.53	PPBV		99
55) TRICHLOROETHYLENE	10.648	95	29925	0.51	PPBV		99
56) 1,2-DICHLOROPROPANE	10.361	63	24473	0.52	PPBV		99
57) DIBROMOMETHANE	10.336	174	25731	0.49	PPBV		94
58) ETHYL ACRYLATE	10.459	55	34390	0.41	PPBV		97
59) BROMODICHLOROMETHANE	10.606	83	54534	0.51	PPBV		98
60) 2,2,4-TRIMETHYLPENTANE	10.685	57	91844	0.50	PPBV		99
61) 1,4-DIOXANE	10.752	88	11768	0.42	PPBV	#	1
62) HEPTANE	11.028	43	32330	0.51	PPBV		98
63) METHYL METHACRYLATE	10.966	69	18848	0.46	PPBV		83
64) METHYL ISOBUTYL KETONE	11.847	58	14953	0.43	PPBV		90
65) cis-1,3-DICHLOROPROPENE	11.737	75	36246	0.46	PPBV		98
66) TOLUENE	12.967	92	37107	0.44	PPBV		94
67) 1,3-DICHLOROPROPANE	13.016	76	36900	0.51	PPBV	#	99
68) trans-1,3-DICHLOROPROPENE	12.422	75	30719	0.41	PPBV		98
69) 1,1,2-TRICHLOROETHANE	12.618	83	25850	0.54	PPBV		96
71) 2-HEXANONE	13.414	58	18867	0.40	PPBV		81
72) ETHYL METHACRYLATE	13.420	69	27662	0.41	PPBV		96
73) TETRACHLOROETHYLENE	14.466	164	29587	0.56	PPBV		97
74) DIBROMOCHLOROMETHANE	13.511	129	49591	0.50	PPBV		99
75) 1,2-DIBROMOETHANE	13.830	107	43159	0.55	PPBV		100
76) OCTANE	14.331	43	39430	0.47	PPBV		98
77) 1,1,1,2-TETRACHLOROETHANE	15.390	131	33689	0.53	PPBV		99
78) CHLOROBENZENE	15.408	112	61057	0.57	PPBV		99
79) ETHYLBENZENE	15.965	91	85402	0.50	PPBV		100
80) m,p-XYLENE	16.234	106	62887	0.96	PPBV		97
81) o-XYLENE	16.901	106	31745	0.50	PPBV		99
82) STYRENE	16.754	104	41244	0.43	PPBV		99
83) NONANE	17.311	43	44116	0.51	PPBV		99
84) BROMOFORM	16.289	173	46583	0.47	PPBV		98
86) 1,1,2,2-TETRACHLOROETHANE	16.907	83	65656	0.55	PPBV		100
87) 1,2,3-TRICHLOROPROPANE	17.103	75	47874	0.57	PPBV		99
88) ISOPROPYLBENZENE	17.812	105	96512	0.51	PPBV		99
89) BROMOBENZENE	17.910	77	54823	0.55	PPBV		97
90) 2-CHLOROTOLUENE	18.552	126	22897	0.47	PPBV		98
91) n-PROPYLBENZENE	18.644	120	24216	0.48	PPBV		99
92) 4-ETHYLTOLUENE	18.883	105	90895	0.48	PPBV		98
93) 1,3,5-TRIMETHYLBENZENE	19.011	105	80703	0.51	PPBV		98
94) ALPHA-METHYLSTYRENE	19.256	118	33242	0.41	PPBV		98
95) tert-BUTYLBENZENE	19.611	134	15702	0.47	PPBV		96
96) 1,2,4-TRIMETHYLBENZENE	19.629	105	84521	0.49	PPBV		98
97) m-DICHLOROBENZENE	19.819	146	62123	0.50	PPBV		99
98) BENZYL CHLORIDE	19.813	91	70482	0.40	PPBV		99
99) p-DICHLOROBENZENE	19.923	146	63407	0.55	PPBV		99
100) sec-BUTYLBENZENE	20.015	134	20901	0.52	PPBV		93
101) 1,2,3-TRIMETHYLBENZENE	20.235	105	81958	0.48	PPBV	#	99
102) p-ISOPROPYLTOLUENE	20.265	134	24822	0.52	PPBV		99
103) o-DICHLOROBENZENE	20.406	146	59304	0.54	PPBV		100
104) n-BUTYLBENZENE	20.853	134	20380	0.44	PPBV	#	85
105) HEXACHLOROETHANE	21.318	117	42179	0.51	PPBV		98
106) HEXACHLOROBUTADIENE	23.361	225	47455	0.44	PPBV		98
107) 1,2,4-TRICHLOROBENZENE	23.220	180	41162	0.42	PPBV		100
108) NAPHTHALENE	22.890	128	92472	0.40	PPBV		98
110) TVHC as equiv Pentane	5.234	TIC	140261	0.60	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55463.D
Acq On : 9 Dec 2024 6:59 am
Operator : benk
Sample : ic2125-0.5
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 09 10:05:07 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

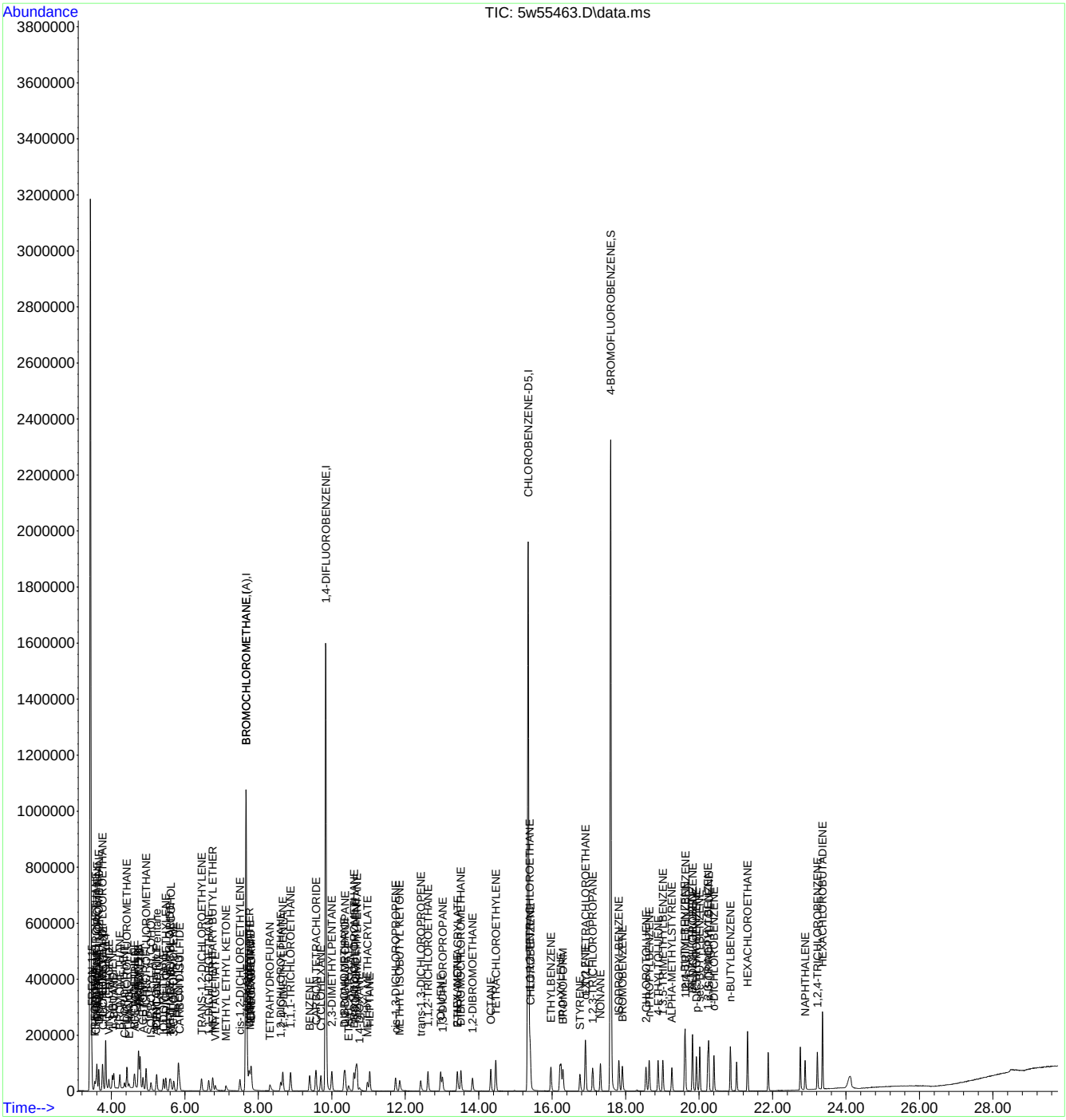
(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.7.4

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55463.D
Acq On : 9 Dec 2024 6:59 am
Operator : benk
Sample : ic2125-0.5
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 6 Sample Multiplier: 1

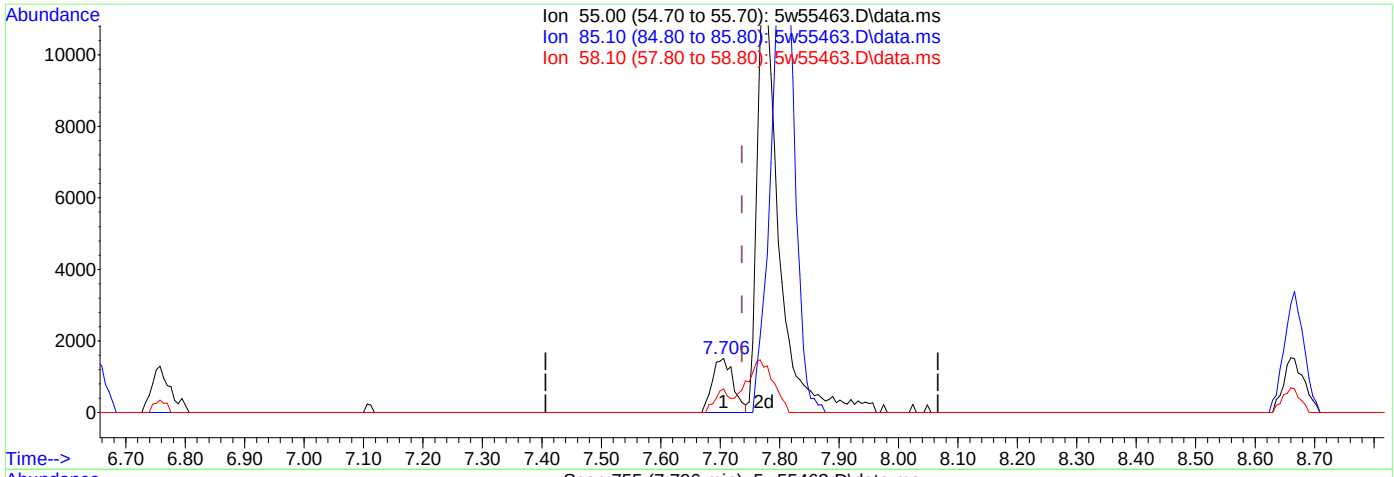
Quant Time: Dec 09 10:05:07 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

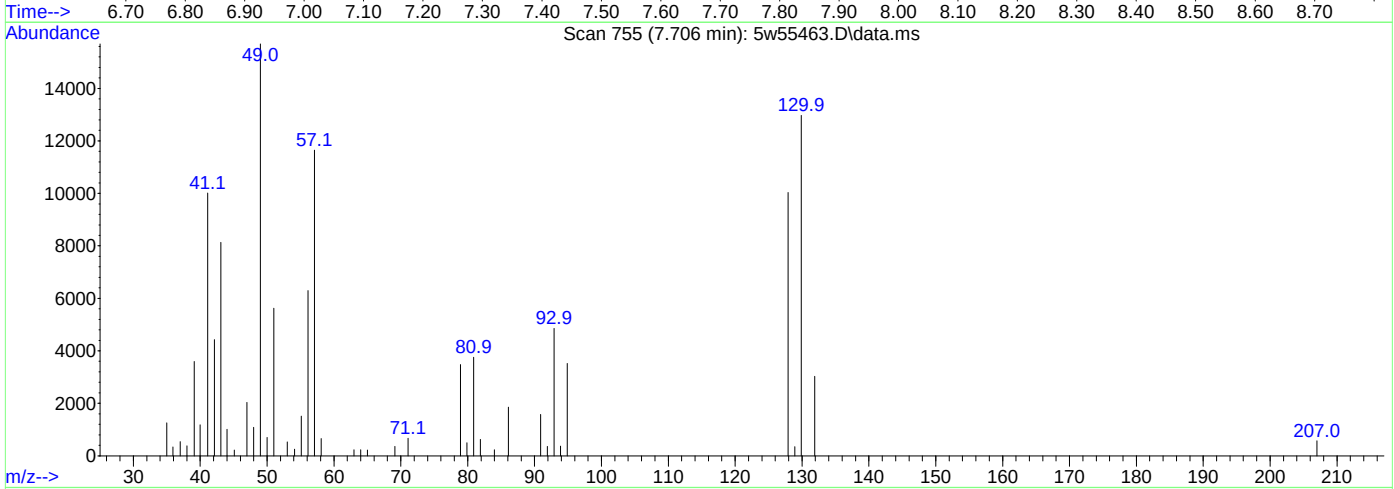


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 5w55463.D
Acq On : 9 Dec 2024 6:59 am
Operator : benk
Sample : ic2125-0.5
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 09 10:04:00 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration





TIC: 5w55463.D\data.ms

(45) METHYL ACRYLATE

7.706min (-0.031) 0.05PPBV

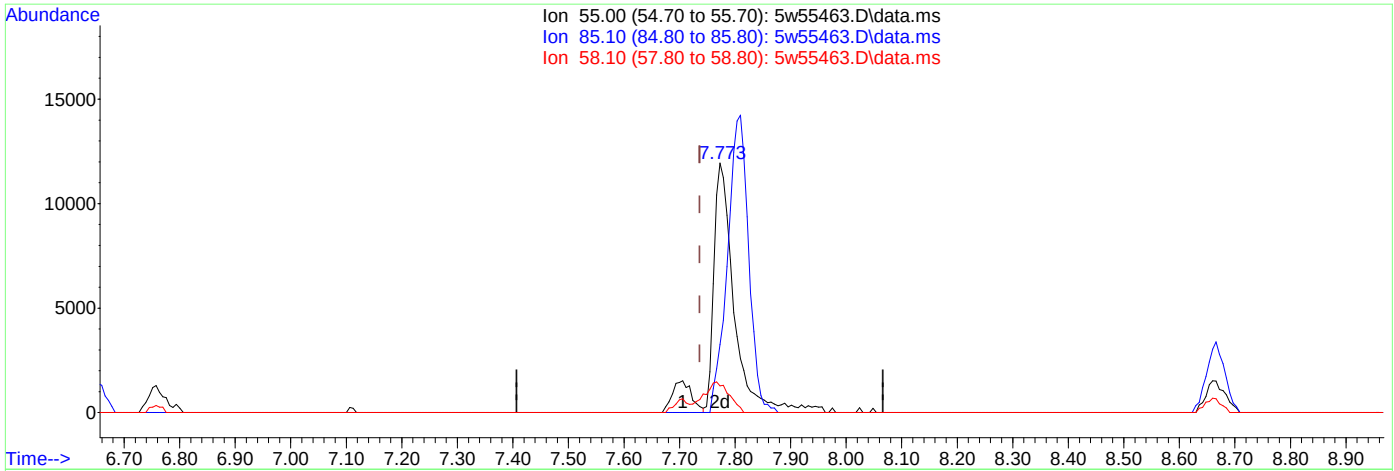
response 3694

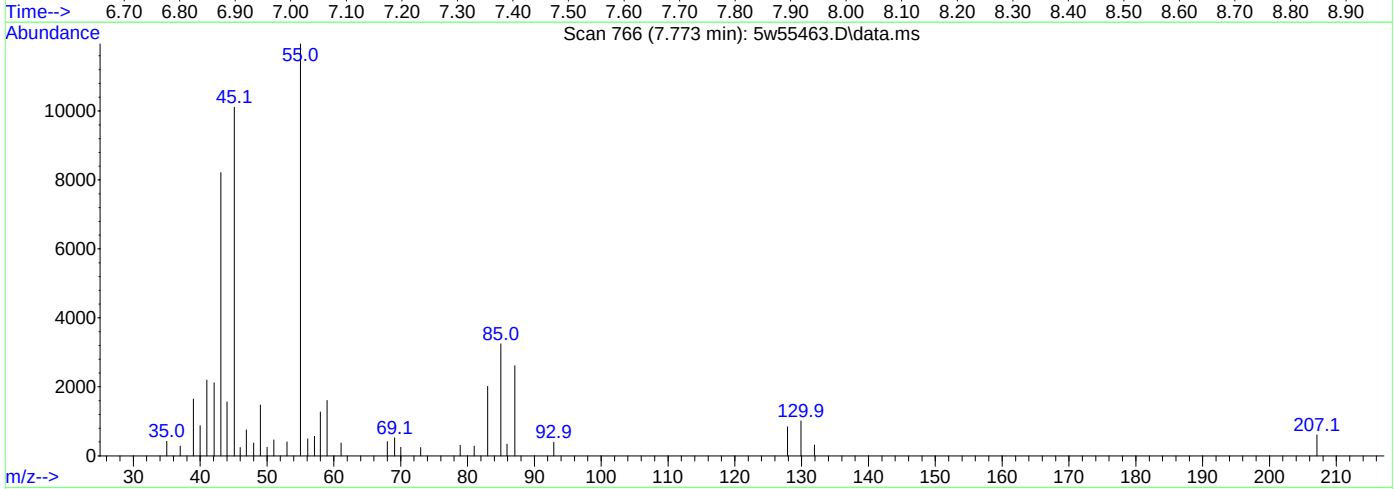
Ion	Exp%	Act%
55.00	100	100
85.10	16.30	0.00#
58.10	13.80	33.73#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 5w55463.D
Acq On : 9 Dec 2024 6:59 am
Operator : benk
Sample : ic2125-0.5
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 09 10:05:07 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration





TIC: 5w55463.D\data.ms

(45) METHYL ACRYLATE

7.773min (+0.037) 0.44PPBV m

response 30367

Ion	Exp%	Act%
55.00	100	100
85.10	16.30	0.00#
58.10	13.80	4.10#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55464.D
Acq On : 9 Dec 2024 7:45 am
Operator : benk
Sample : ic2125-5
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 09 10:08:17 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.669	128	327920	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.835	114	1483978	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	15.347	82	823417	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.669	128	327920	10.00	PPBV	#	0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	17.592	95	995950	10.64	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 106.40%				
Target Compounds							Qvalue
2) FREON 115	3.460	119	112593	2.06	PPBV		98
3) FREON 152A	3.546	65	138374	5.57	PPBV		99
4) CHLORODIFLUOROMETHANE	3.576	67	71231	5.35	PPBV		100
5) CHLOROTRIFLUOROETHENE	3.607	116	305049	5.34	PPBV		99
6) DICHLORODIFLUOROMETHANE	3.650	85	679721	5.49	PPBV		100
7) PROPYLENE	3.601	41	160514	5.68	PPBV		99
8) 1-CHLORO-1,1-DIFLUOROE...	3.754	65	719596	5.85	PPBV		99
9) FREON 114	3.839	85	918552	6.22	PPBV		97
10) CHLOROMETHANE	3.772	52	89496	5.90	PPBV	#	71
11) VINYL CHLORIDE	3.931	62	318611	5.93	PPBV		100
12) 1,3-BUTADIENE	4.029	54	216237	6.19	PPBV		98
13) n-BUTANE	4.066	43	413584	6.32	PPBV		98
14) BROMOMETHANE	4.231	94	319635	5.98	PPBV		98
15) CHLOROETHANE	4.353	64	140980	5.93	PPBV		99
16) DICHLOROFLUOROMETHANE	4.421	67	720353	6.14	PPBV		100
17) ACETONITRILE	4.622	41	231715	6.04	PPBV		100
18) ACROLEIN	4.714	56	103691	5.80	PPBV		99
19) FREON 123	4.733	83	730677	6.12	PPBV		99
20) FREON 123A	4.775	117	396421	6.14	PPBV		94
21) TRICHLOROFLUOROMETHANE	4.941	101	629552	5.66	PPBV		100
22) ISOPROPYL ALCOHOL	5.038	45	341979	4.90	PPBV		96
23) ACETONE	4.830	58	136235	6.39	PPBV		97
24) PENTANE	5.228	42	201069	5.72	PPBV		100
25) IODOMETHANE	5.418	142	526543	5.43	PPBV		100
26) 1,1-DICHLOROETHYLENE	5.479	96	189977	5.42	PPBV		100
27) CARBON DISULFIDE	5.852	76	580467	5.55	PPBV		99
28) ETHANOL	4.457	45	137349	5.34	PPBV		98
29) BROMOETHENE	4.616	106	289326	5.82	PPBV		99
30) ACRYLONITRILE	5.204	52	145480	6.60	PPBV		99
31) METHYLENE CHLORIDE	5.589	84	187716	5.61	PPBV		98
32) 3-CHLOROPROPENE	5.693	76	89978	5.26	PPBV		97
33) FREON 113	5.822	151	310417	5.35	PPBV		98
34) TRANS-1,2-DICHLOROETHY...	6.452	96	194904	5.24	PPBV		99
35) TERTIARY BUTYL ALCOHOL	5.558	59	337505	4.54	PPBV		98
36) METHYL TERTIARY BUTYL ...	6.715	73	543685	5.34	PPBV		99
37) TETRAHYDROFURAN	8.256	72	86439	5.17	PPBV		98
38) HEXANE	7.706	57	308459	5.52	PPBV		100
39) VINYL ACETATE	6.806	86	34745	5.27	PPBV	#	93
40) 1,1-DICHLOROETHANE	6.647	63	386526	5.53	PPBV		99
41) METHYL ETHYL KETONE	7.063	72	91801	5.38	PPBV		94
42) cis-1,2-DICHLOROETHYLENE	7.498	96	208218	5.31	PPBV		99
43) DIISOPROPYL ETHER	7.718	59	92706	5.43	PPBV		97
44) ETHYL ACETATE	7.761	61	65000	5.24	PPBV	#	38
45) METHYL ACRYLATE	7.736	55	368255	5.42	PPBV		98
46) CHLOROFORM	7.810	83	482374	5.58	PPBV		100
47) 2,4-DIMETHYLPENTANE	8.660	57	341067	5.46	PPBV		99
48) 1,1,1-TRICHLOROETHANE	8.874	97	479650	5.48	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55464.D
Acq On : 9 Dec 2024 7:45 am
Operator : benk
Sample : ic2125-5
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 09 10:08:17 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
49)	CARBON TETRACHLORIDE	9.566	117	513289	5.43	PPBV		100
50)	1,2-DICHLOROETHANE	8.605	62	319305	5.50	PPBV		99
52)	BENZENE	9.400	78	616501	5.51	PPBV		100
53)	CYCLOHEXANE	9.700	84	238638	5.36	PPBV		99
54)	2,3-DIMETHYLPENTANE	10.000	71	125899	5.37	PPBV		97
55)	TRICHLOROETHYLENE	10.648	95	298892	5.18	PPBV		99
56)	1,2-DICHLOROPROPANE	10.361	63	245875	5.34	PPBV		99
57)	DIBROMOMETHANE	10.336	174	261552	5.04	PPBV		97
58)	ETHYL ACRYLATE	10.416	55	425993	5.12	PPBV		99
59)	BROMODICHLOROMETHANE	10.606	83	540223	5.18	PPBV		100
60)	2,2,4-TRIMETHYLPENTANE	10.685	57	973540	5.44	PPBV		99
61)	1,4-DIOXANE	10.685	88	122741	4.50	PPBV	#	1
62)	HEPTANE	11.028	43	344774	5.60	PPBV		99
63)	METHYL METHACRYLATE	10.942	69	214720	5.32	PPBV		98
64)	METHYL ISOBUTYL KETONE	11.799	58	181412	5.28	PPBV		100
65)	cis-1,3-DICHLOROPROPENE	11.731	75	402547	5.22	PPBV		99
66)	TOLUENE	12.961	92	422478	5.15	PPBV		99
67)	1,3-DICHLOROPROPANE	13.004	76	379761	5.34	PPBV	#	99
68)	trans-1,3-DICHLOROPROPENE	12.410	75	358104	4.84	PPBV		100
69)	1,1,2-TRICHLOROETHANE	12.612	83	249437	5.34	PPBV		99
71)	2-HEXANONE	13.371	58	255379	5.25	PPBV		99
72)	ETHYL METHACRYLATE	13.389	69	365412	5.22	PPBV		99
73)	TETRACHLOROETHYLENE	14.466	164	302043	5.57	PPBV		99
74)	DIBROMOCHLOROMETHANE	13.511	129	540159	5.27	PPBV		100
75)	1,2-DIBROMOETHANE	13.823	107	450832	5.58	PPBV		100
76)	OCTANE	14.325	43	480408	5.59	PPBV		99
77)	1,1,1,2-TETRACHLOROETHANE	15.390	131	351959	5.45	PPBV		99
78)	CHLOROBENZENE	15.408	112	608780	5.52	PPBV		99
79)	ETHYLBENZENE	15.959	91	974334	5.59	PPBV		100
80)	m,p-XYLENE	16.234	106	735362	10.95	PPBV		98
81)	o-XYLENE	16.901	106	369565	5.63	PPBV		99
82)	STYRENE	16.748	104	552274	5.56	PPBV		99
83)	NONANE	17.311	43	513330	5.74	PPBV		100
84)	BROMOFORM	16.289	173	529096	5.17	PPBV		100
86)	1,1,2,2-TETRACHLOROETHANE	16.907	83	682433	5.57	PPBV		100
87)	1,2,3-TRICHLOROPROPANE	17.096	75	482523	5.57	PPBV		99
88)	ISOPROPYLBENZENE	17.812	105	1073018	5.53	PPBV		100
89)	BROMOBENZENE	17.904	77	566636	5.50	PPBV		98
90)	2-CHLOROTOLUENE	18.546	126	264838	5.36	PPBV		100
91)	n-PROPYLBENZENE	18.638	120	284766	5.48	PPBV		100
92)	4-ETHYLTOLUENE	18.877	105	1089019	5.65	PPBV		100
93)	1,3,5-TRIMETHYLBENZENE	19.011	105	921119	5.67	PPBV		100
94)	ALPHA-METHYLSTYRENE	19.256	118	437586	5.24	PPBV		99
95)	tert-BUTYLBENZENE	19.611	134	191242	5.58	PPBV		99
96)	1,2,4-TRIMETHYLBENZENE	19.623	105	990160	5.65	PPBV		99
97)	m-DICHLOROBENZENE	19.819	146	668502	5.25	PPBV		100
98)	BENZYL CHLORIDE	19.813	91	906932	5.04	PPBV		100
99)	p-DICHLOROBENZENE	19.923	146	664978	5.67	PPBV		100
100)	sec-BUTYLBENZENE	20.015	134	236216	5.70	PPBV		96
101)	1,2,3-TRIMETHYLBENZENE	20.235	105	964327	5.56	PPBV	#	100
102)	p-ISOPROPYLTOLUENE	20.259	134	276086	5.66	PPBV		100
103)	o-DICHLOROBENZENE	20.406	146	622668	5.58	PPBV		100
104)	n-BUTYLBENZENE	20.853	134	258808	5.51	PPBV		98
105)	HEXACHLOROETHANE	21.318	117	467063	5.52	PPBV		99
106)	HEXACHLOROBUTADIENE	23.367	225	522385	4.72	PPBV		100
107)	1,2,4-TRICHLOROBENZENE	23.220	180	465755	4.65	PPBV		99
108)	NAPHTHALENE	22.884	128	1115447	4.69	PPBV		99
110)	TVHC as equiv Pentane	5.228	TIC	1399979	6.08	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55464.D
Acq On : 9 Dec 2024 7:45 am
Operator : benk
Sample : ic2125-5
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 09 10:08:17 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

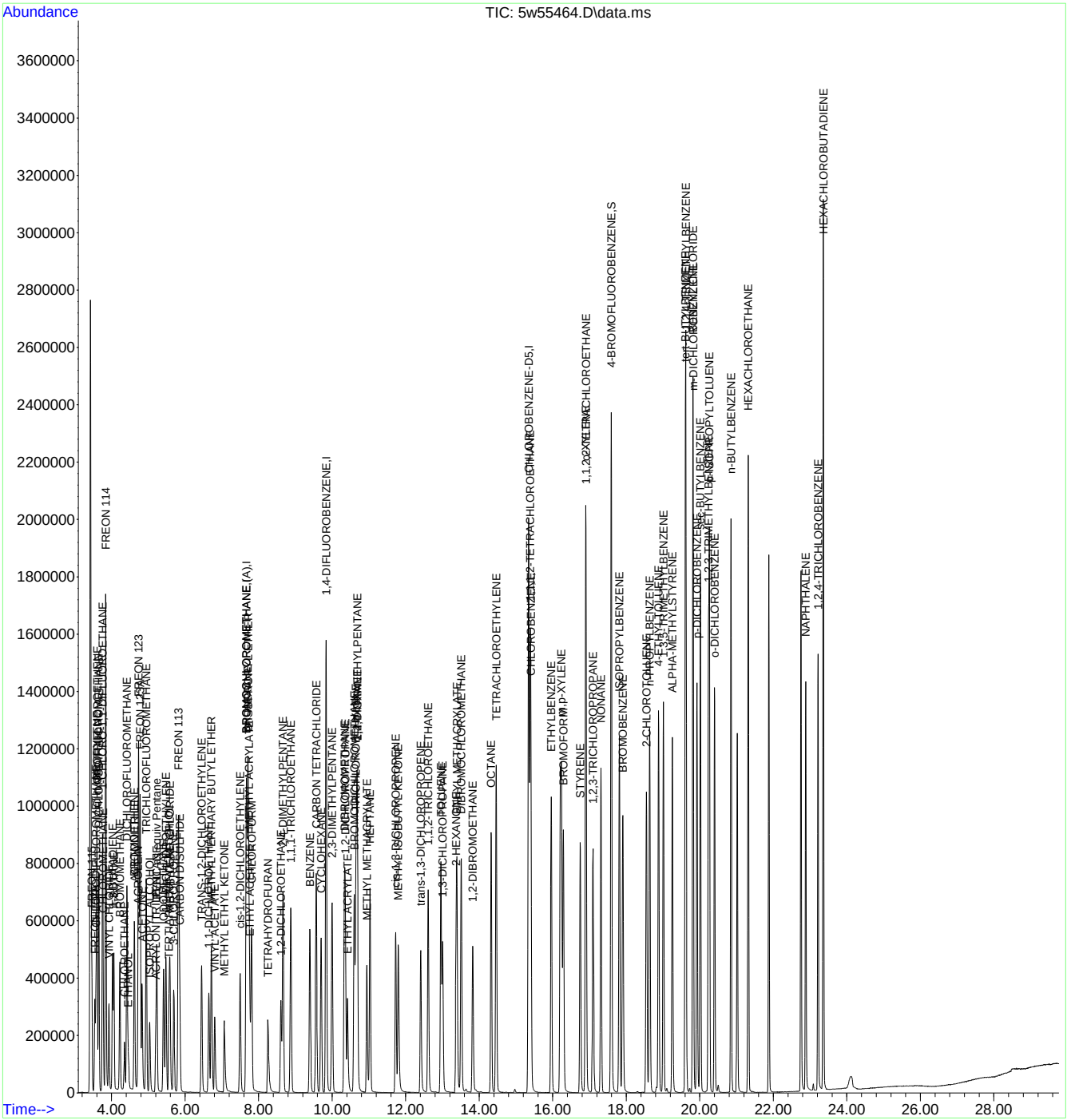
7.7.5

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55464.D
Acq On : 9 Dec 2024 7:45 am
Operator : benk
Sample : ic2125-5
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 09 10:08:17 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55466.D
Acq On : 9 Dec 2024 9:03 am
Operator : benk
Sample : icc2125-10
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 09:37:50 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.669	128	339202	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.835	114	1511260	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	15.347	82	875250	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.669	128	339202	10.00	PPBV	#	0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	17.592	95	994958	10.00	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 100.00%				
Target Compounds							Qvalue
2) FREON 115	3.466	119	605693	10.70	PPBV		100
3) FREON 152A	3.546	65	275104	10.70	PPBV		100
4) CHLORODIFLUOROMETHANE	3.576	67	146118	10.60	PPBV		100
5) CHLOROTRIFLUOROETHENE	3.607	116	620588	10.50	PPBV		100
6) DICHLORODIFLUOROMETHANE	3.656	85	1357955	10.60	PPBV		100
7) PROPYLENE	3.601	41	318393	10.90	PPBV		100
8) 1-CHLORO-1,1-DIFLUOROE...	3.754	65	1349681	10.60	PPBV		100
9) FREON 114	3.839	85	1681548	11.00	PPBV		100
10) CHLOROMETHANE	3.772	52	163220	10.40	PPBV		100
11) VINYL CHLORIDE	3.931	62	572748	10.30	PPBV		100
12) 1,3-BUTADIENE	4.029	54	390556	10.80	PPBV		100
13) n-BUTANE	4.066	43	731849	10.81	PPBV		100
14) BROMOMETHANE	4.231	94	580880	10.50	PPBV		100
15) CHLOROETHANE	4.353	64	255610	10.40	PPBV		100
16) DICHLOROFLUOROMETHANE	4.421	67	1285896	10.60	PPBV		100
17) ACETONITRILE	4.622	41	400956	10.10	PPBV		100
18) ACROLEIN	4.714	56	194255	10.50	PPBV		100
19) FREON 123	4.733	83	1310076	10.60	PPBV		100
20) FREON 123A	4.775	117	734746	11.00	PPBV		100
21) TRICHLOROFLUOROMETHANE	4.947	101	1219357	10.60	PPBV		100
22) ISOPROPYL ALCOHOL	5.032	45	764798	10.60	PPBV		100
23) ACETONE	4.824	58	227018	10.30	PPBV		100
24) PENTANE	5.234	42	396405	10.90	PPBV		100
25) IODOMETHANE	5.418	142	1102700	11.00	PPBV		100
26) 1,1-DICHLOROETHYLENE	5.485	96	387658	10.70	PPBV		100
27) CARBON DISULFIDE	5.852	76	1147721	10.60	PPBV		100
28) ETHANOL	4.457	45	271251	10.20	PPBV		100
29) BROMOETHENE	4.622	106	544999	10.60	PPBV		100
30) ACRYLONITRILE	5.204	52	251010	11.01	PPBV		100
31) METHYLENE CHLORIDE	5.595	84	363117	10.50	PPBV		100
32) 3-CHLOROPROPENE	5.693	76	185861	10.50	PPBV		100
33) FREON 113	5.822	151	636251	10.60	PPBV		100
34) TRANS-1,2-DICHLOROETHY...	6.452	96	404191	10.50	PPBV		100
35) TERTIARY BUTYL ALCOHOL	5.546	59	761817	9.90	PPBV		100
36) METHYL TERTIARY BUTYL ...	6.715	73	1138359	10.80	PPBV		100
37) TETRAHYDROFURAN	8.244	72	181760	10.50	PPBV		100
38) HEXANE	7.706	57	624158	10.80	PPBV		100
39) VINYL ACETATE	6.806	86	70963	10.40	PPBV		100
40) 1,1-DICHLOROETHANE	6.647	63	773941	10.70	PPBV		100
41) METHYL ETHYL KETONE	7.057	72	190475	10.80	PPBV		100
42) cis-1,2-DICHLOROETHYLENE	7.498	96	434152	10.70	PPBV		100
43) DIISOPROPYL ETHER	7.718	59	190722	10.80	PPBV		100
44) ETHYL ACETATE	7.749	61	138469	10.80	PPBV	#	100
45) METHYL ACRYLATE	7.736	55	759561	10.81	PPBV		100
46) CHLOROFORM	7.810	83	965951	10.80	PPBV		100
47) 2,4-DIMETHYLPENTANE	8.666	57	697723	10.80	PPBV		100
48) 1,1,1-TRICHLOROETHANE	8.874	97	978590	10.80	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55466.D
Acq On : 9 Dec 2024 9:03 am
Operator : benk
Sample : icc2125-10
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 09:37:50 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
49) CARBON TETRACHLORIDE	9.566	117	1055955	10.80	PPBV		100
50) 1,2-DICHLOROETHANE	8.605	62	654982	10.90	PPBV		100
52) BENZENE	9.400	78	1252492	11.00	PPBV		100
53) CYCLOHEXANE	9.700	84	494054	10.90	PPBV		100
54) 2,3-DIMETHYLPENTANE	10.000	71	257829	10.80	PPBV		100
55) TRICHLOROETHYLENE	10.655	95	617097	10.50	PPBV		100
56) 1,2-DICHLOROPROPANE	10.361	63	491975	10.50	PPBV		100
57) DIBROMOMETHANE	10.336	174	554921	10.50	PPBV		100
58) ETHYL ACRYLATE	10.416	55	906659	10.70	PPBV		100
59) BROMODICHLOROMETHANE	10.606	83	1114691	10.50	PPBV		100
60) 2,2,4-TRIMETHYLPENTANE	10.685	57	1969454	10.80	PPBV		100
61) 1,4-DIOXANE	10.673	88	291854	10.50	PPBV		100
62) HEPTANE	11.028	43	690296	11.00	PPBV		100
63) METHYL METHACRYLATE	10.936	69	448158	10.90	PPBV		100
64) METHYL ISOBUTYL KETONE	11.792	58	377985	10.80	PPBV		100
65) cis-1,3-DICHLOROPROPENE	11.731	75	840076	10.70	PPBV		100
66) TOLUENE	12.961	92	885739	10.60	PPBV		100
67) 1,3-DICHLOROPROPANE	13.010	76	767017	10.60	PPBV	#	100
68) trans-1,3-DICHLOROPROPENE	12.410	75	768015	10.20	PPBV		100
69) 1,1,2-TRICHLOROETHANE	12.612	83	509433	10.70	PPBV		100
71) 2-HEXANONE	13.365	58	548403	10.60	PPBV		100
72) ETHYL METHACRYLATE	13.389	69	781201	10.50	PPBV		100
73) TETRACHLOROETHYLENE	14.466	164	628078	10.90	PPBV		100
74) DIBROMOCHLOROMETHANE	13.511	129	1144713	10.50	PPBV		100
75) 1,2-DIBROMOETHANE	13.823	107	943815	11.00	PPBV		100
76) OCTANE	14.331	43	995955	10.90	PPBV		100
77) 1,1,1,2-TETRACHLOROETHANE	15.390	131	741767	10.80	PPBV		100
78) CHLOROBENZENE	15.408	112	1266085	10.80	PPBV		100
79) ETHYLBENZENE	15.959	91	2039775	11.00	PPBV		100
80) m,p-XYLENE	16.234	106	1527990	21.40	PPBV		100
81) o-XYLENE	16.901	106	760103	10.90	PPBV		100
82) STYRENE	16.754	104	1162167	11.00	PPBV		100
83) NONANE	17.311	43	1035723	10.90	PPBV		100
84) BROMOFORM	16.289	173	1163343	10.70	PPBV		100
86) 1,1,2,2-TETRACHLOROETHANE	16.907	83	1418746	10.90	PPBV		100
87) 1,2,3-TRICHLOROPROPANE	17.096	75	975518	10.60	PPBV		100
88) ISOPROPYLBENZENE	17.812	105	2187498	10.60	PPBV		100
89) BROMOBENZENE	17.910	77	1139573	10.40	PPBV		100
90) 2-CHLOROTOLUENE	18.546	126	541116	10.30	PPBV		100
91) n-PROPYLBENZENE	18.638	120	585017	10.60	PPBV		100
92) 4-ETHYLTOLUENE	18.883	105	2232548	10.90	PPBV		100
93) 1,3,5-TRIMETHYLBENZENE	19.011	105	1882828	10.90	PPBV		100
94) ALPHA-METHYLSTYRENE	19.256	118	922485	10.40	PPBV		100
95) tert-BUTYLBENZENE	19.611	134	400422	11.00	PPBV		100
96) 1,2,4-TRIMETHYLBENZENE	19.629	105	2047810	11.00	PPBV		100
97) m-DICHLOROBENZENE	19.819	146	1407750	10.40	PPBV		100
98) BENZYL CHLORIDE	19.813	91	1990839	10.40	PPBV		100
99) p-DICHLOROBENZENE	19.923	146	1359653	10.90	PPBV		100
100) sec-BUTYLBENZENE	20.015	134	479738	10.90	PPBV		100
101) 1,2,3-TRIMETHYLBENZENE	20.235	105	1974262	10.70	PPBV	#	100
102) p-ISOPROPYLTOLUENE	20.265	134	559789	10.80	PPBV		100
103) o-DICHLOROBENZENE	20.406	146	1269083	10.70	PPBV		100
104) n-BUTYLBENZENE	20.853	134	539061	10.80	PPBV		100
105) HEXACHLOROETHANE	21.318	117	988753	11.00	PPBV		100
106) HEXACHLOROBUTADIENE	23.367	225	1271645	10.80	PPBV		100
107) 1,2,4-TRICHLOROBENZENE	23.220	180	1160909	10.90	PPBV		100
108) NAPHTHALENE	22.884	128	2753803	10.90	PPBV		100
110) TVHC as equiv Pentane	5.234	TIC	2596090	10.90	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55466.D
Acq On : 9 Dec 2024 9:03 am
Operator : benk
Sample : icc2125-10
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 09:37:50 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

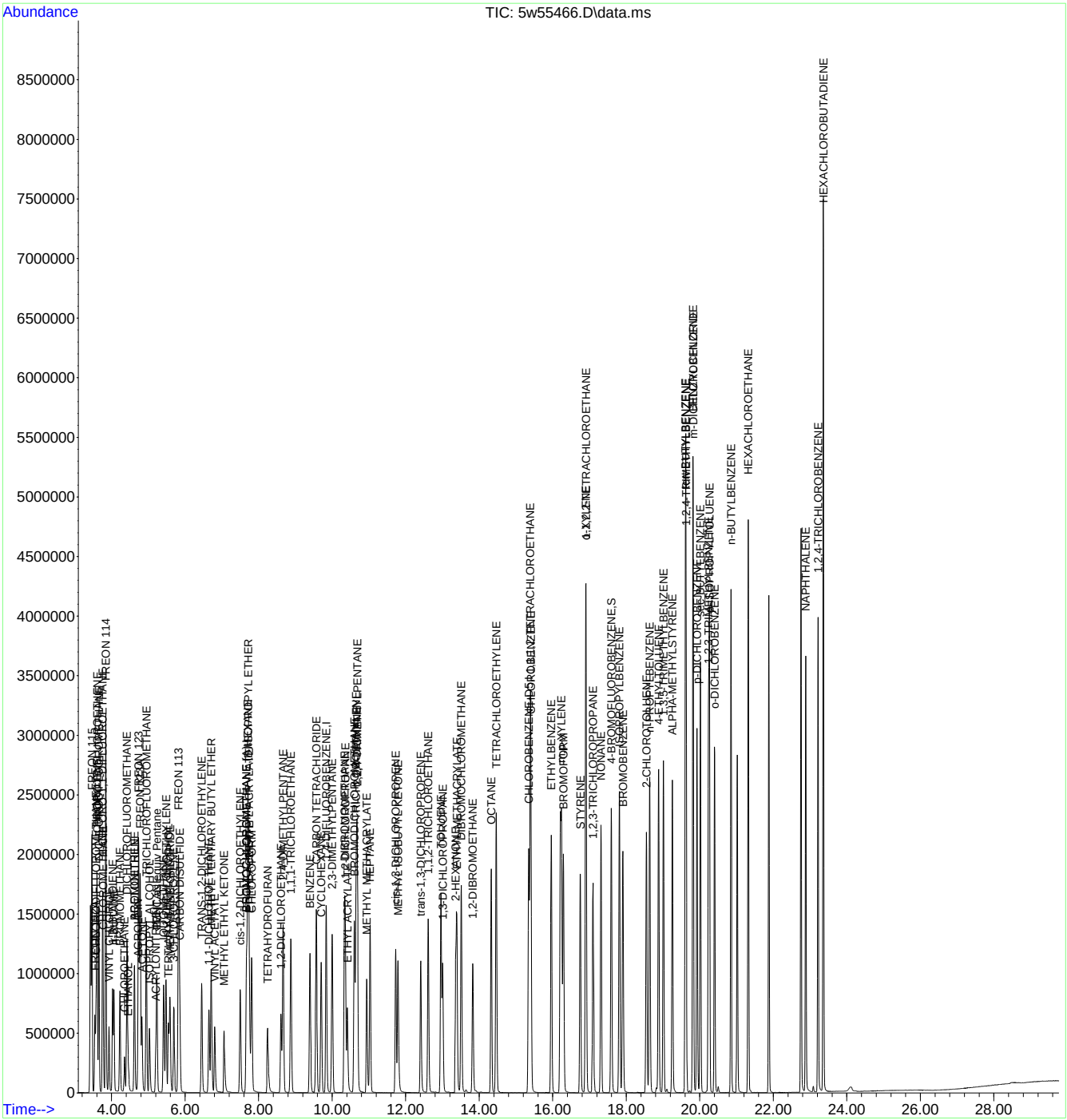
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55466.D
Acq On : 9 Dec 2024 9:03 am
Operator : benk
Sample : icc2125-10
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 09:37:50 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55467.D
Acq On : 9 Dec 2024 9:45 am
Operator : benk
Sample : ic2125-20
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 10:15:13 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 10:14:37 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	7.675	128	342882	10.00	PPBV	0.00
51) 1,4-DIFLUOROBENZENE	9.841	114	1466721	10.00	PPBV	0.00
70) CHLOROBENZENE-D5	15.347	82	922805	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	7.675	128	342882	10.00	PPBV	# 0.00
System Monitoring Compounds						
85) 4-BROMOFLUOROBENZENE	17.592	95	962216	8.66	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 86.60%			
Target Compounds						Qvalue
2) FREON 115	3.466	119	934470	19.68	PPBV	98
3) FREON 152A	3.546	65	555724	22.02	PPBV	100
4) CHLORODIFLUOROMETHANE	3.576	67	300670	23.90	PPBV	100
5) CHLOROTRIFLUOROETHENE	3.607	116	1281526	22.22	PPBV	100
6) DICHLORODIFLUOROMETHANE	3.656	85	2693197	21.30	PPBV	100
7) PROPYLENE	3.601	41	643425	19.46	PPBV	98
8) 1-CHLORO-1,1-DIFLUOROE...	3.754	65	2571204	18.91	PPBV	100
9) FREON 114	3.839	85	3131351	18.84	PPBV	98
10) CHLOROMETHANE	3.772	52	310103	17.98	PPBV	96
11) VINYL CHLORIDE	3.931	62	1066972	17.42	PPBV	99
12) 1,3-BUTADIENE	4.029	54	737734	17.78	PPBV	99
13) n-BUTANE	4.066	43	1358072	16.34	PPBV	99
14) BROMOMETHANE	4.231	94	1092994	16.45	PPBV	99
15) CHLOROETHANE	4.353	64	475231	16.78	PPBV	100
16) DICHLOROFLUOROMETHANE	4.421	67	2390761	16.93	PPBV	100
17) ACETONITRILE	4.622	41	742883	15.46	PPBV	99
18) ACROLEIN	4.714	56	362625	18.04	PPBV	100
19) FREON 123	4.733	83	2426147	17.04	PPBV	99
20) FREON 123A	4.782	117	1384065	18.79	PPBV	97
21) TRICHLOROFLUOROMETHANE	4.947	101	2407405	20.30	PPBV	99
22) ISOPROPYL ALCOHOL	5.026	45	1487631	18.75	PPBV	100
23) ACETONE	4.818	58	409828	12.79	PPBV	100
24) PENTANE	5.234	42	771291	20.37	PPBV	99
25) IODOMETHANE	5.418	142	2200301	23.28	PPBV	99
26) 1,1-DICHLOROETHYLENE	5.485	96	762107	20.94	PPBV	100
27) CARBON DISULFIDE	5.852	76	2235145	21.22	PPBV	99
28) ETHANOL	4.457	45	502201	15.69	PPBV	100
29) BROMOETHENE	4.622	106	1034552	19.32	PPBV	100
30) ACRYLONITRILE	5.204	52	489577	14.31	PPBV	99
31) METHYLENE CHLORIDE	5.595	84	698189	18.40	PPBV	100
32) 3-CHLOROPROPENE	5.699	76	362658	21.91	PPBV	99
33) FREON 113	5.822	151	1282144	21.91	PPBV	99
34) TRANS-1,2-DICHLOROETHY...	6.452	96	795699	20.82	PPBV	99
35) TERTIARY BUTYL ALCOHOL	5.540	59	1504766	22.16	PPBV	99
36) METHYL TERTIARY BUTYL ...	6.709	73	2261702	23.80	PPBV	100
37) TETRAHYDROFURAN	8.232	72	361477	26.09	PPBV	98
38) HEXANE	7.706	57	1299772	25.51	PPBV	98
39) VINYL ACETATE	6.807	86	150354	28.46	PPBV	# 94
40) 1,1-DICHLOROETHANE	6.654	63	1502107	20.85	PPBV	100
41) METHYL ETHYL KETONE	7.051	72	374963	27.41	PPBV	97
42) cis-1,2-DICHLOROETHYLENE	7.504	96	852592	21.70	PPBV	99
43) DIISOPROPYL ETHER	7.718	59	397171	26.25	PPBV	96
44) ETHYL ACETATE	7.749	61	275669	27.45	PPBV	# 99
45) METHYL ACRYLATE	7.736	55	1562708	25.53	PPBV	99
46) CHLOROFORM	7.816	83	1887887	21.07	PPBV	99
47) 2,4-DIMETHYLPENTANE	8.666	57	1404201	24.81	PPBV	99
48) 1,1,1-TRICHLOROETHANE	8.880	97	1974201	22.31	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55467.D
Acq On : 9 Dec 2024 9:45 am
Operator : benk
Sample : ic2125-20
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 10:15:13 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 10:14:37 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
49)	CARBON TETRACHLORIDE	9.572	117	2157722	23.55	PPBV		100
50)	1,2-DICHLOROETHANE	8.605	62	1304364	23.01	PPBV		100
52)	BENZENE	9.400	78	2480296	24.21	PPBV		100
53)	CYCLOHEXANE	9.700	84	977006	26.51	PPBV		100
54)	2,3-DIMETHYLPENTANE	10.000	71	518636	25.98	PPBV		100
55)	TRICHLOROETHYLENE	10.655	95	1261399	24.13	PPBV		99
56)	1,2-DICHLOROPROPANE	10.361	63	995547	22.86	PPBV		99
57)	DIBROMOMETHANE	10.336	174	1159519	22.34	PPBV		99
58)	ETHYL ACRYLATE	10.410	55	1809029	28.78	PPBV		100
59)	BROMODICHLOROMETHANE	10.606	83	2255590	24.75	PPBV		100
60)	2,2,4-TRIMETHYLPENTANE	10.691	57	3898314	25.47	PPBV		100
61)	1,4-DIOXANE	10.667	88	596545	26.92	PPBV	#	34
62)	HEPTANE	11.034	43	1372329	25.70	PPBV		99
63)	METHYL METHACRYLATE	10.936	69	886208	27.70	PPBV		99
64)	METHYL ISOBUTYL KETONE	11.786	58	763728	28.95	PPBV		99
65)	cis-1,3-DICHLOROPROPENE	11.731	75	1712055	27.85	PPBV		99
66)	TOLUENE	12.961	92	1782618	26.48	PPBV		99
67)	1,3-DICHLOROPROPANE	13.010	76	1520252	24.75	PPBV	#	100
68)	trans-1,3-DICHLOROPROPENE	12.410	75	1566263	28.62	PPBV		100
69)	1,1,2-TRICHLOROETHANE	12.612	83	1021706	24.00	PPBV		100
71)	2-HEXANONE	13.359	58	1123497	27.97	PPBV		99
72)	ETHYL METHACRYLATE	13.389	69	1592458	26.68	PPBV		100
73)	TETRACHLOROETHYLENE	14.466	164	1295487	21.06	PPBV		100
74)	DIBROMOCHLOROMETHANE	13.512	129	2360665	25.16	PPBV		100
75)	1,2-DIBROMOETHANE	13.830	107	1912584	23.66	PPBV		100
76)	OCTANE	14.331	43	2007056	25.12	PPBV		99
77)	1,1,1,2-TETRACHLOROETHANE	15.396	131	1557559	23.42	PPBV		100
78)	CHLOROBENZENE	15.408	112	2596682	21.36	PPBV		99
79)	ETHYLBENZENE	15.959	91	4106023	24.25	PPBV		99
80)	m,p-XYLENE	16.240	106	3148620	50.94	PPBV		98
81)	o-XYLENE	16.907	106	1571210	26.11	PPBV		99
82)	STYRENE	16.754	104	2380882	28.53	PPBV		100
83)	NONANE	17.317	43	2075321	24.63	PPBV		100
84)	BROMOFORM	16.295	173	2439049	29.26	PPBV		100
86)	1,1,2,2-TETRACHLOROETHANE	16.907	83	2867748	22.16	PPBV		99
87)	1,2,3-TRICHLOROPROPANE	17.096	75	1910251	20.08	PPBV		100
88)	ISOPROPYLBENZENE	17.818	105	4416866	22.71	PPBV		99
89)	BROMOBENZENE	17.910	77	2298802	20.38	PPBV		100
90)	2-CHLOROTOLUENE	18.546	126	1104210	23.56	PPBV		100
91)	n-PROPYLBENZENE	18.638	120	1183858	25.27	PPBV		100
92)	4-ETHYLTOLUENE	18.883	105	4498304	25.88	PPBV		99
93)	1,3,5-TRIMETHYLBENZENE	19.011	105	3785845	25.41	PPBV		100
94)	ALPHA-METHYLSTYRENE	19.256	118	1903435	28.19	PPBV		99
95)	tert-BUTYLBENZENE	19.617	134	838658	31.61	PPBV		98
96)	1,2,4-TRIMETHYLBENZENE	19.629	105	4186232	26.94	PPBV		99
97)	m-DICHLOROBENZENE	19.819	146	2890142	23.15	PPBV		100
98)	BENZYL CHLORIDE	19.813	91	4095162	27.40	PPBV		99
99)	p-DICHLOROBENZENE	19.923	146	2725460	23.12	PPBV		99
100)	sec-BUTYLBENZENE	20.021	134	963244	24.93	PPBV		97
101)	1,2,3-TRIMETHYLBENZENE	20.241	105	4017952	25.38	PPBV	#	99
102)	p-ISOPROPYLTOLUENE	20.265	134	1146159	25.56	PPBV		96
103)	o-DICHLOROBENZENE	20.406	146	2526786	21.80	PPBV		99
104)	n-BUTYLBENZENE	20.853	134	1115820	28.21	PPBV		96
105)	HEXACHLOROETHANE	21.318	117	2036046	26.21	PPBV		99
106)	HEXACHLOROBUTADIENE	23.367	225	2757653	27.12	PPBV		99
107)	1,2,4-TRICHLOROBENZENE	23.220	180	2474878	27.79	PPBV		99
108)	NAPHTHALENE	22.884	128	5516380	27.68	PPBV		99
110)	TVHC as equiv Pentane	5.234	TIC	5095960	17.51	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55467.D
Acq On : 9 Dec 2024 9:45 am
Operator : benk
Sample : ic2125-20
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 10:15:13 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 10:14:37 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

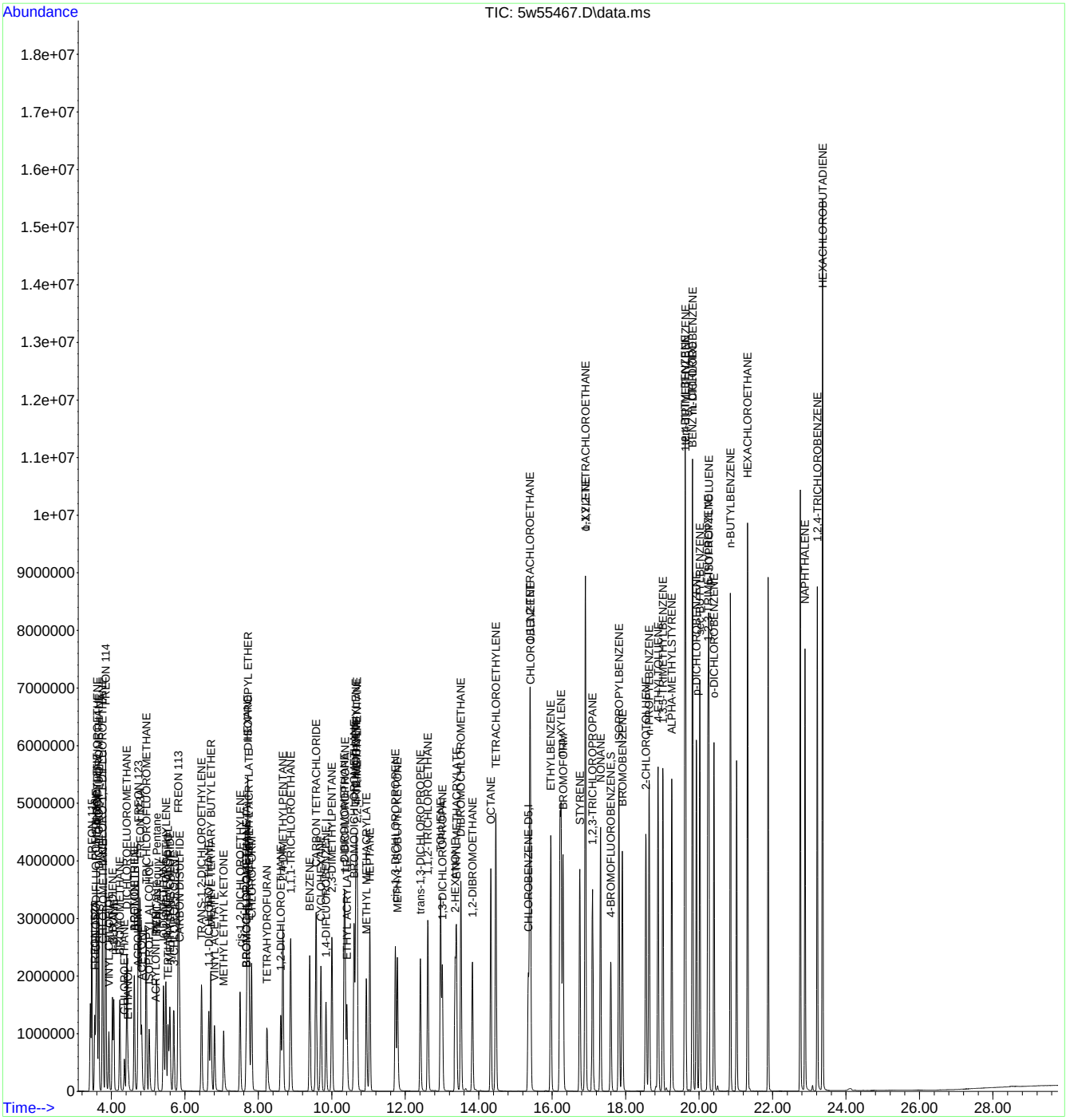
7.2.7

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55467.D
Acq On : 9 Dec 2024 9:45 am
Operator : benk
Sample : ic2125-20
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 10:15:13 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 10:14:37 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55468.D
Acq On : 9 Dec 2024 10:29 am
Operator : benk
Sample : ic2125-40
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 12:17:33 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 10:16:29 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	7.675	128	341329	10.00	PPBV	0.00
51) 1,4-DIFLUOROBENZENE	9.841	114	1382725	10.00	PPBV	0.00
70) CHLOROBENZENE-D5	15.353	82	1000073	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	7.675	128	341329	10.00	PPBV	# 0.00
System Monitoring Compounds						
85) 4-BROMOFLUOROBENZENE	17.598	95	916347	7.75	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 77.50%			
Target Compounds						Qvalue
3) FREON 152A	3.540	65	1110003	44.01	PPBV	100
4) CHLORODIFLUOROMETHANE	3.570	67	618926	48.54	PPBV	99
5) CHLOROTRIFLUOROETHENE	3.601	116	2675087	46.21	PPBV	99
6) DICHLORODIFLUOROMETHANE	3.650	85	5267335	41.82	PPBV	98
7) PROPYLENE	3.589	41	1264054	39.00	PPBV	99
8) 1-CHLORO-1,1-DIFLUOROE...	3.754	65	4841129	36.33	PPBV	99
9) FREON 114	3.839	85	5644224	34.83	PPBV	94
10) CHLOROMETHANE	3.766	52	586442	34.83	PPBV	95
11) VINYL CHLORIDE	3.925	62	1976978	33.16	PPBV	99
12) 1,3-BUTADIENE	4.023	54	1352676	33.60	PPBV	98
13) n-BUTANE	4.060	43	2400545	30.24	PPBV	99
14) BROMOMETHANE	4.225	94	2043818	32.06	PPBV	100
15) CHLOROETHANE	4.353	64	871035	31.77	PPBV	100
16) DICHLOROFLUOROMETHANE	4.414	67	4291710	31.43	PPBV	99
17) ACETONITRILE	4.622	41	1277797	27.81	PPBV	99
18) ACROLEIN	4.714	56	645615	33.04	PPBV	100
19) FREON 123	4.733	83	4240053	30.77	PPBV	98
20) FREON 123A	4.775	117	2547507	35.48	PPBV	89
21) TRICHLOROFLUOROMETHANE	4.941	101	4713026	40.16	PPBV	99
22) ISOPROPYL ALCOHOL	5.026	45	2716413	35.07	PPBV	100
23) ACETONE	4.818	58	731236	24.80	PPBV	98
24) PENTANE	5.228	42	1485676	39.79	PPBV	99
25) IODOMETHANE	5.418	142	4451630	46.92	PPBV	100
26) 1,1-DICHLOROETHYLENE	5.479	96	1496349	41.43	PPBV	98
27) CARBON DISULFIDE	5.852	76	4309243	41.09	PPBV	99
28) ETHANOL	4.457	45	853574	28.43	PPBV	100
29) BROMOETHENE	4.616	106	1928359	36.64	PPBV	99
30) ACRYLONITRILE	5.204	52	958150	30.25	PPBV	100
31) METHYLENE CHLORIDE	5.595	84	1342564	36.18	PPBV	98
32) 3-CHLOROPROPENE	5.693	76	697695	42.08	PPBV	99
33) FREON 113	5.822	151	2636699	45.05	PPBV	97
34) TRANS-1,2-DICHLOROETHY...	6.452	96	1572877	41.40	PPBV	99
35) TERTIARY BUTYL ALCOHOL	5.540	59	2859765	41.60	PPBV	98
36) METHYL TERTIARY BUTYL ...	6.702	73	4395819	45.80	PPBV	99
37) TETRAHYDROFURAN	8.226	72	698114	48.66	PPBV	96
38) HEXANE	7.706	57	2611399	50.18	PPBV	95
39) VINYL ACETATE	6.806	86	306105	54.21	PPBV	# 87
40) 1,1-DICHLOROETHANE	6.654	63	2896622	40.54	PPBV	99
41) METHYL ETHYL KETONE	7.051	72	729314	51.25	PPBV	97
42) cis-1,2-DICHLOROETHYLENE	7.504	96	1696626	43.29	PPBV	99
43) DIISOPROPYL ETHER	7.712	59	811232	52.00	PPBV	# 88
44) ETHYL ACETATE	7.749	61	550445	52.69	PPBV	# 97
45) METHYL ACRYLATE	7.736	55	3113267	49.30	PPBV	98
46) CHLOROFORM	7.816	83	3681330	41.42	PPBV	100
47) 2,4-DIMETHYLPENTANE	8.666	57	2767046	48.09	PPBV	99
48) 1,1,1-TRICHLOROETHANE	8.880	97	3966870	44.82	PPBV	99
49) CARBON TETRACHLORIDE	9.572	117	4344419	47.03	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55468.D
Acq On : 9 Dec 2024 10:29 am
Operator : benk
Sample : ic2125-40
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 12:17:33 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 10:16:29 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	8.611	62	2563201	45.07	PPBV		100
52)	BENZENE	9.400	78	4805887	49.06	PPBV		99
53)	CYCLOHEXANE	9.700	84	1932753	53.96	PPBV		98
54)	2,3-DIMETHYLPENTANE	10.006	71	1034868	53.44	PPBV		97
55)	TRICHLOROETHYLENE	10.654	95	2594903	51.56	PPBV		99
56)	1,2-DICHLOROPROPANE	10.361	63	1968777	47.35	PPBV		98
57)	DIBROMOMETHANE	10.342	174	2452377	49.66	PPBV		96
58)	ETHYL ACRYLATE	10.410	55	3514442	56.09	PPBV		99
59)	BROMODICHLOROMETHANE	10.612	83	4532566	51.44	PPBV		99
60)	2,2,4-TRIMETHYLPENTANE	10.691	57	7451774	50.35	PPBV		98
61)	1,4-DIOXANE	10.661	88	1171033	53.54	PPBV	#	1
62)	HEPTANE	11.034	43	2670311	51.81	PPBV		98
63)	METHYL METHACRYLATE	10.936	69	1706636	54.15	PPBV		97
64)	METHYL ISOBUTYL KETONE	11.786	58	1514817	57.65	PPBV		96
65)	cis-1,3-DICHLOROPROPENE	11.731	75	3416380	56.51	PPBV		98
66)	TOLUENE	12.967	92	3622228	55.11	PPBV		98
67)	1,3-DICHLOROPROPANE	13.010	76	2997850	50.56	PPBV	#	100
68)	trans-1,3-DICHLOROPROPENE	12.410	75	3139635	57.54	PPBV		99
69)	1,1,2-TRICHLOROETHANE	12.618	83	2047204	50.14	PPBV		99
71)	2-HEXANONE	13.359	58	2249832	49.07	PPBV		96
72)	ETHYL METHACRYLATE	13.395	69	3192358	47.23	PPBV		98
73)	TETRACHLOROETHYLENE	14.472	164	2700260	40.71	PPBV		99
74)	DIBROMOCHLOROMETHANE	13.518	129	4797242	45.88	PPBV		99
75)	1,2-DIBROMOETHANE	13.836	107	3887570	43.91	PPBV		100
76)	OCTANE	14.337	43	3923196	44.34	PPBV		96
77)	1,1,1,2-TETRACHLOROETHANE	15.396	131	3275763	44.91	PPBV		100
78)	CHLOROBENZENE	15.414	112	5271880	40.07	PPBV		99
79)	ETHYLBENZENE	15.965	91	8126299	43.65	PPBV		97
80)	m,p-XYLENE	16.246	106	6467969	94.01	PPBV		92
81)	o-XYLENE	16.907	106	3188562	47.55	PPBV		95
82)	STYRENE	16.754	104	4879514	51.77	PPBV		99
83)	NONANE	17.317	43	3987420	42.86	PPBV		97
84)	BROMOFORM	16.301	173	5078215	52.97	PPBV		99
86)	1,1,2,2-TETRACHLOROETHANE	16.913	83	5613840	39.93	PPBV		99
87)	1,2,3-TRICHLOROPROPANE	17.103	75	3751035	36.66	PPBV		97
88)	ISOPROPYLBENZENE	17.824	105	8798069	41.32	PPBV		97
89)	BROMOBENZENE	17.916	77	4625514	37.94	PPBV		97
90)	2-CHLOROTOLUENE	18.552	126	2317722	44.71	PPBV		99
91)	n-PROPYLBENZENE	18.644	120	2469115	47.34	PPBV		100
92)	4-ETHYLTOLUENE	18.883	105	8909475	46.07	PPBV		96
93)	1,3,5-TRIMETHYLBENZENE	19.017	105	7582950	45.88	PPBV		97
94)	ALPHA-METHYLSTYRENE	19.262	118	3974554	51.70	PPBV		99
95)	tert-BUTYLBENZENE	19.623	134	1750552	57.31	PPBV	#	88
96)	1,2,4-TRIMETHYLBENZENE	19.635	105	8073536	46.45	PPBV		96
97)	m-DICHLOROBENZENE	19.825	146	5812290	42.28	PPBV		98
98)	BENZYL CHLORIDE	19.819	91	7865415	46.45	PPBV		97
99)	p-DICHLOROBENZENE	19.929	146	5572136	43.25	PPBV		98
100)	sec-BUTYLBENZENE	20.021	134	1985344	46.46	PPBV	#	80
101)	1,2,3-TRIMETHYLBENZENE	20.241	105	7982379	45.32	PPBV	#	96
102)	p-ISOPROPYLTOLUENE	20.272	134	2391446	47.95	PPBV	#	84
103)	o-DICHLOROBENZENE	20.412	146	5204091	41.33	PPBV		98
104)	n-BUTYLBENZENE	20.859	134	2355801	52.65	PPBV	#	78
105)	HEXACHLOROETHANE	21.324	117	4095368	47.35	PPBV		94
106)	HEXACHLOROBUTADIENE	23.367	225	5758391	50.41	PPBV		98
107)	1,2,4-TRICHLOROBENZENE	23.226	180	5399109	53.83	PPBV		99
108)	NAPHTHALENE	22.890	128	10659068	47.52	PPBV		95
110)	TVHC as equiv Pentane	5.228	TIC	9863883	35.04	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55468.D
Acq On : 9 Dec 2024 10:29 am
Operator : benk
Sample : ic2125-40
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 12:17:33 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 10:16:29 2024
Response via : Initial Calibration

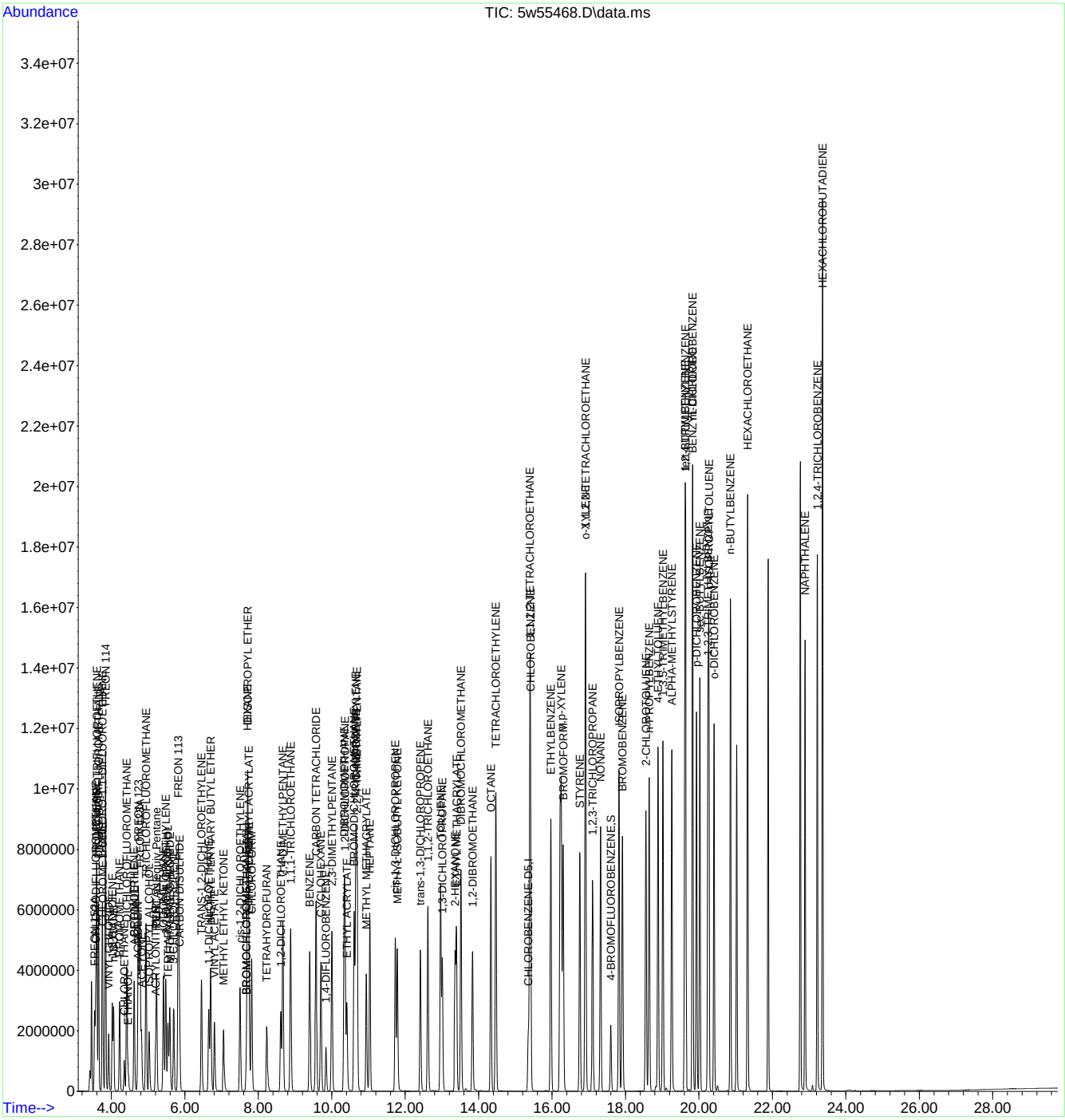
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55468.D
Acq On : 9 Dec 2024 10:29 am
Operator : benk
Sample : ic2125-40
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 12:17:33 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 10:16:29 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55469.D
Acq On : 9 Dec 2024 11:14 am
Operator : benk
Sample : ic2125-50
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 14:36:15 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 11:06:14 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	7.681	128	363096	10.00	PPBV	0.01
51) 1,4-DIFLUOROBENZENE	9.847	114	1435494	10.00	PPBV	0.01
70) CHLOROBENZENE-D5	15.353	82	1087902	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	7.681	128	363096	10.00	PPBV	# 0.01
System Monitoring Compounds						
85) 4-BROMOFLUOROBENZENE	17.598	95	962842	7.71	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 77.10%			
Target Compounds						Qvalue
3) FREON 152A	3.546	65	1409928	52.36	PPBV	100
4) CHLORODIFLUOROMETHANE	3.576	67	788640	57.10	PPBV	99
5) CHLOROTRIFLUOROETHENE	3.607	116	3518696	56.43	PPBV	99
6) DICHLORODIFLUOROMETHANE	3.656	85	6578479	49.18	PPBV	97
7) PROPYLENE	3.601	41	1558841	45.82	PPBV	98
8) 1-CHLORO-1,1-DIFLUOROE...	3.754	65	5783866	41.54	PPBV	98
9) FREON 114	3.839	85	6688154	39.83	PPBV	92
10) CHLOROMETHANE	3.772	52	708046	40.35	PPBV	93
11) VINYL CHLORIDE	3.931	62	2437569	39.40	PPBV	99
12) 1,3-BUTADIENE	4.029	54	1667571	40.06	PPBV	97
13) n-BUTANE	4.066	43	2956319	36.57	PPBV	98
14) BROMOMETHANE	4.231	94	2585698	39.46	PPBV	100
15) CHLOROETHANE	4.353	64	1112344	39.30	PPBV	100
16) DICHLOROFLUOROMETHANE	4.421	67	5325853	37.89	PPBV	99
17) ACETONITRILE	4.622	41	1590540	34.05	PPBV	99
18) ACROLEIN	4.714	56	812347	40.31	PPBV	100
19) FREON 123	4.739	83	5322727	37.60	PPBV	97
20) FREON 123A	4.782	117	3262064	43.77	PPBV	86
21) TRICHLOROFLUOROMETHANE	4.947	101	5912238	47.68	PPBV	99
22) ISOPROPYL ALCOHOL	5.032	45	3130594	38.96	PPBV	100
24) PENTANE	5.234	42	1801214	45.85	PPBV	98
25) IODOMETHANE	5.424	142	5859104	57.57	PPBV	100
26) 1,1-DICHLOROETHYLENE	5.485	96	1920392	50.18	PPBV	94
27) CARBON DISULFIDE	5.852	76	5333899	48.00	PPBV	98
28) ETHANOL	4.457	45	1061688	35.38	PPBV	100
29) BROMOETHENE	4.622	106	2463970	44.77	PPBV	99
30) ACRYLONITRILE	5.210	52	1172261	36.70	PPBV	100
31) METHYLENE CHLORIDE	5.595	84	1703220	43.91	PPBV	96
32) 3-CHLOROPROPENE	5.699	76	888181	50.35	PPBV	93
33) FREON 113	5.822	151	3534845	56.33	PPBV	93
34) TRANS-1,2-DICHLOROETHY...	6.458	96	2032870	50.39	PPBV	96
35) TERTIARY BUTYL ALCOHOL	5.546	59	3417331	46.44	PPBV	98
36) METHYL TERTIARY BUTYL ...	6.709	73	5589862	54.34	PPBV	98
37) TETRAHYDROFURAN	8.232	72	882416	56.54	PPBV	93
38) HEXANE	7.712	57	3251354	57.57	PPBV	93
39) VINYL ACETATE	6.813	86	398132	63.09	PPBV	# 74
40) 1,1-DICHLOROETHANE	6.654	63	3625488	48.02	PPBV	98
41) METHYL ETHYL KETONE	7.051	72	929876	59.84	PPBV	93
42) cis-1,2-DICHLOROETHYLENE	7.504	96	2196558	52.61	PPBV	96
43) DIISOPROPYL ETHER	7.718	59	1010128	59.15	PPBV	# 83
44) ETHYL ACETATE	7.749	61	686502	59.89	PPBV	# 94
45) METHYL ACRYLATE	7.736	55	3866289	56.23	PPBV	97
46) CHLOROFORM	7.822	83	4663315	49.57	PPBV	99
47) 2,4-DIMETHYLPENTANE	8.672	57	3422747	55.14	PPBV	98
48) 1,1,1-TRICHLOROETHANE	8.880	97	5135690	54.30	PPBV	98
49) CARBON TETRACHLORIDE	9.572	117	5694246	57.32	PPBV	99
50) 1,2-DICHLOROETHANE	8.611	62	3247346	53.45	PPBV	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55469.D
Acq On : 9 Dec 2024 11:14 am
Operator : benk
Sample : ic2125-50
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 14:36:15 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 11:06:14 2024
Response via : Initial Calibration

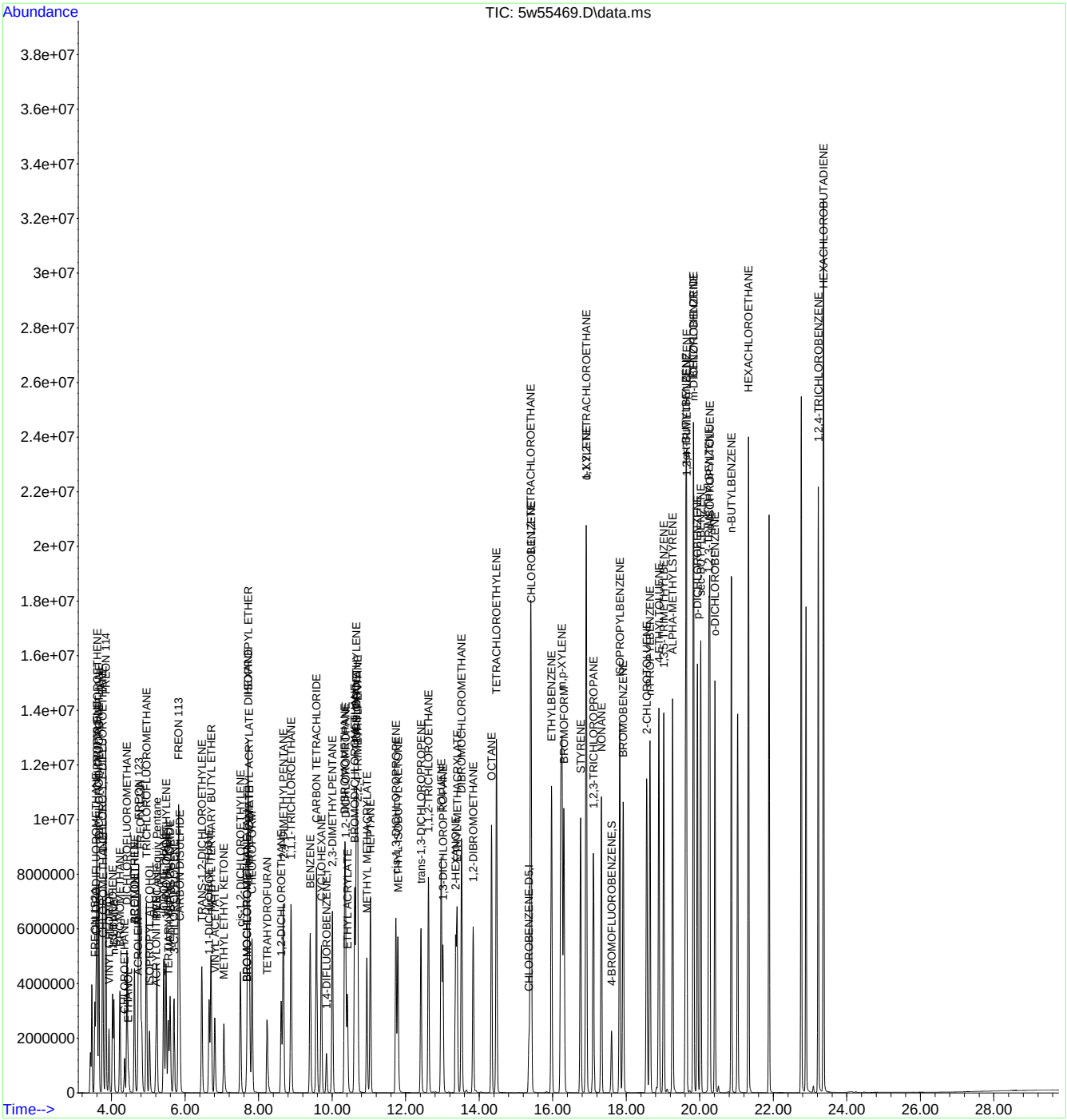
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
52)	BENZENE	9.406	78	6113532	59.26	PPBV		99
53)	CYCLOHEXANE	9.706	84	2475588	64.65	PPBV		96
54)	2,3-DIMETHYLPENTANE	10.006	71	1313485	63.46	PPBV		94
55)	TRICHLOROETHYLENE	10.661	95	3350858	62.36	PPBV		96
56)	1,2-DICHLOROPROPANE	10.367	63	2447772	55.81	PPBV		97
57)	DIBROMOMETHANE	10.342	174	3348127	63.85	PPBV		91
58)	ETHYL ACRYLATE	10.416	55	4375473	64.41	PPBV		99
59)	BROMODICHLOROMETHANE	10.618	83	5756859	61.21	PPBV		98
60)	2,2,4-TRIMETHYLPENTANE	10.697	57	9040011	57.64	PPBV		98
61)	1,4-DIOXANE	10.667	88	1504708	63.77	PPBV	#	1
62)	HEPTANE	11.040	43	3250063	59.42	PPBV		96
63)	METHYL METHACRYLATE	10.942	69	2166506	64.00	PPBV		99
64)	METHYL ISOBUTYL KETONE	11.792	58	1897421	66.38	PPBV		93
65)	cis-1,3-DICHLOROPROPENE	11.737	75	4365639	66.88	PPBV		98
66)	TOLUENE	12.967	92	4696538	66.34	PPBV		96
67)	1,3-DICHLOROPROPANE	13.016	76	3810935	60.45	PPBV	#	99
68)	trans-1,3-DICHLOROPROPENE	12.416	75	4045609	64.37	PPBV		97
69)	1,1,2-TRICHLOROETHANE	12.618	83	2637082	60.91	PPBV		98
71)	2-HEXANONE	13.359	58	2840400	51.38	PPBV		93
72)	ETHYL METHACRYLATE	13.395	69	4057750	54.22	PPBV		95
73)	TETRACHLOROETHYLENE	14.472	164	3652923	51.05	PPBV		98
74)	DIBROMOCHLOROMETHANE	13.518	129	6267031	54.46	PPBV		99
75)	1,2-DIBROMOETHANE	13.836	107	5059319	52.54	PPBV		100
76)	OCTANE	14.337	43	4818681	49.96	PPBV		93
77)	1,1,1,2-TETRACHLOROETHANE	15.402	131	4326992	54.27	PPBV		98
78)	CHLOROBENZENE	15.414	112	6799424	47.95	PPBV		97
79)	ETHYLBENZENE	15.965	91	10258201	50.70	PPBV		95
80)	m,p-XYLENE	16.246	106	8436000	111.35	PPBV		88
81)	o-XYLENE	16.913	106	4070628	55.18	PPBV		92
82)	STYRENE	16.760	104	6336380	60.46	PPBV		99
83)	NONANE	17.323	43	4885695	48.38	PPBV		95
84)	BROMOFORM	16.301	173	6736389	57.61	PPBV		98
86)	1,1,2,2-TETRACHLOROETHANE	16.913	83	6857413	45.32	PPBV		98
87)	1,2,3-TRICHLOROPROPANE	17.109	75	4752860	43.44	PPBV		95
88)	ISOPROPYLBENZENE	17.824	105	11140531	48.25	PPBV		96
89)	BROMOBENZENE	17.916	77	5858269	44.66	PPBV		92
90)	2-CHLOROTOLUENE	18.552	126	3066170	53.80	PPBV		99
91)	n-PROPYLBENZENE	18.644	120	3235225	56.20	PPBV		100
92)	4-ETHYLTOLUENE	18.889	105	11113673	52.46	PPBV		94
93)	1,3,5-TRIMETHYLBENZENE	19.024	105	9540125	52.72	PPBV		95
94)	ALPHA-METHYLSTYRENE	19.262	118	5169037	56.23	PPBV		99
95)	tert-BUTYLBENZENE	19.623	134	2268727	58.03	PPBV	#	82
96)	1,2,4-TRIMETHYLBENZENE	19.641	105	9871747	51.85	PPBV		93
97)	m-DICHLOROBENZENE	19.831	146	7376020	49.22	PPBV		98
98)	BENZYL CHLORIDE	19.825	91	9467573	50.66	PPBV		95
99)	p-DICHLOROBENZENE	19.935	146	7163876	51.16	PPBV		97
100)	sec-BUTYLBENZENE	20.027	134	2603292	55.55	PPBV	#	67
101)	1,2,3-TRIMETHYLBENZENE	20.247	105	9909252	51.34	PPBV	#	93
102)	p-ISOPROPYLTOLUENE	20.272	134	3067541	55.77	PPBV	#	77
103)	o-DICHLOROBENZENE	20.412	146	6729808	49.34	PPBV		98
104)	n-BUTYLBENZENE	20.865	134	3076474	61.52	PPBV	#	67
105)	HEXACHLOROETHANE	21.324	117	5060035	53.27	PPBV		91
106)	HEXACHLOROBUTADIENE	23.367	225	7021325	55.35	PPBV		97
107)	1,2,4-TRICHLOROBENZENE	23.226	180	6957395	61.95	PPBV		99
110)	TVHC as equiv Pentane	5.234	TIC	12050439	41.25	PPBV		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55469.D
Acq On : 9 Dec 2024 11:14 am
Operator : benk
Sample : ic2125-50
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 14:36:15 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 11:06:14 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55473.D
Acq On : 9 Dec 2024 1:55 pm
Operator : benk
Sample : icv2125-10
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 09 14:26:11 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.669	128	367475	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.835	114	1638649	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	15.347	82	911415	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.669	128	367475	10.00	PPBV	#	0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	17.592	95	1063310	10.42	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 104.20%				
Target Compounds							Qvalue
2) FREON 115	3.460	119	609290	12.11	PPBV		96
3) FREON 152A	3.546	65	260396	9.58	PPBV		100
4) CHLORODIFLUOROMETHANE	3.576	67	146420	10.39	PPBV		99
5) CHLOROTRIFLUOROETHENE	3.607	116	632936	9.95	PPBV		99
6) DICHLORODIFLUOROMETHANE	3.650	85	1344712	10.01	PPBV		100
7) PROPYLENE	3.601	41	286338	8.47	PPBV		98
8) 1-CHLORO-1,1-DIFLUOROE...	3.754	65	1363042	9.91	PPBV		99
9) FREON 114	3.839	85	1731966	10.51	PPBV		98
10) CHLOROMETHANE	3.772	52	156442	9.03	PPBV	#	84
11) VINYL CHLORIDE	3.931	62	572576	9.39	PPBV		100
12) 1,3-BUTADIENE	4.029	54	394416	9.64	PPBV		98
13) n-BUTANE	4.066	43	729754	9.30	PPBV		99
14) BROMOMETHANE	4.231	94	601870	9.37	PPBV		99
15) CHLOROETHANE	4.353	64	259712	9.32	PPBV		99
16) DICHLOROFLUOROMETHANE	4.421	67	1337017	9.71	PPBV		100
17) ACETONITRILE	4.616	41	408916	9.02	PPBV		99
18) ACROLEIN	4.714	56	206598	10.43	PPBV		100
19) FREON 123	4.733	83	1322073	9.54	PPBV		98
20) FREON 123A	4.775	117	716793	9.72	PPBV		95
21) TRICHLOROFLUOROMETHANE	4.941	101	1280625	10.32	PPBV		100
22) ISOPROPYL ALCOHOL	5.026	45	746766	9.50	PPBV		99
23) ACETONE	4.824	58	228297	7.70	PPBV		98
24) PENTANE	5.234	42	361550	9.26	PPBV		98
25) IODOMETHANE	5.418	142	1165392	11.26	PPBV		100
26) 1,1-DICHLOROETHYLENE	5.479	96	397014	10.32	PPBV		94
27) CARBON DISULFIDE	5.852	76	1188347	10.68	PPBV		100
28) ETHANOL	4.457	45	231689	8.04	PPBV		99
29) BROMOETHENE	4.616	106	574006	10.49	PPBV		100
30) ACRYLONITRILE	5.204	52	234694	7.62	PPBV		100
31) METHYLENE CHLORIDE	5.589	84	367561	9.54	PPBV		97
32) 3-CHLOROPROPENE	5.693	76	183296	10.31	PPBV		94
33) FREON 113	5.822	151	692675	10.83	PPBV		96
34) TRANS-1,2-DICHLOROETHY...	6.452	96	415687	10.23	PPBV		96
35) TERTIARY BUTYL ALCOHOL	5.546	59	838007	11.33	PPBV		98
36) METHYL TERTIARY BUTYL ...	6.709	73	1138293	10.93	PPBV		98
37) TETRAHYDROFURAN	8.244	72	182808	11.46	PPBV		94
38) HEXANE	7.706	57	580332	10.08	PPBV		98
39) VINYL ACETATE	6.806	86	76162	11.57	PPBV	#	78
40) 1,1-DICHLOROETHANE	6.647	63	737374	9.76	PPBV		99
41) METHYL ETHYL KETONE	7.057	72	183994	11.54	PPBV		93
42) cis-1,2-DICHLOROETHYLENE	7.498	96	438839	10.40	PPBV		97
43) DIISOPROPYL ETHER	7.718	59	182011	10.41	PPBV		94
44) ETHYL ACETATE	7.749	61	132720	11.29	PPBV	#	98
45) METHYL ACRYLATE	7.730	55	734957	10.50	PPBV		99
46) CHLOROFORM	7.810	83	994491	10.54	PPBV		100
47) 2,4-DIMETHYLPENTANE	8.666	57	665821	10.57	PPBV		99
48) 1,1,1-TRICHLOROETHANE	8.874	97	1027293	10.72	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55473.D
Acq On : 9 Dec 2024 1:55 pm
Operator : benk
Sample : icv2125-10
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 09 14:26:11 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
49) CARBON TETRACHLORIDE	9.566	117	1117143	11.04	PPBV		100
50) 1,2-DICHLOROETHANE	8.605	62	644626	10.51	PPBV		100
52) BENZENE	9.400	78	1241071	10.45	PPBV		99
53) CYCLOHEXANE	9.700	84	497434	11.15	PPBV		96
54) 2,3-DIMETHYLPENTANE	10.000	71	255937	10.63	PPBV		95
55) TRICHLOROETHYLENE	10.655	95	628915	10.04	PPBV		96
56) 1,2-DICHLOROPROPANE	10.361	63	480413	9.53	PPBV		98
57) DIBROMOMETHANE	10.336	174	607456	9.91	PPBV		96
58) ETHYL ACRYLATE	10.416	55	889260	11.18	PPBV		99
59) BROMODICHLOROMETHANE	10.606	83	1129142	10.33	PPBV		99
60) 2,2,4-TRIMETHYLPENTANE	10.685	57	1875164	10.40	PPBV		100
61) 1,4-DIOXANE	10.673	88	305770	11.05	PPBV	#	88
62) HEPTANE	11.034	43	644985	10.24	PPBV		98
63) METHYL METHACRYLATE	10.936	69	440067	11.15	PPBV		97
64) METHYL ISOBUTYL KETONE	11.792	58	365625	10.89	PPBV		96
65) cis-1,3-DICHLOROPROPENE	11.731	75	791718	10.34	PPBV		99
66) TOLUENE	12.961	92	897196	10.80	PPBV		99
67) 1,3-DICHLOROPROPANE	13.010	76	768595	10.52	PPBV	#	100
68) trans-1,3-DICHLOROPROPENE	12.410	75	763107	10.83	PPBV		100
69) 1,1,2-TRICHLOROETHANE	12.612	83	511400	10.19	PPBV		98
71) 2-HEXANONE	13.365	58	533643	12.41	PPBV		98
72) ETHYL METHACRYLATE	13.389	69	797333	12.67	PPBV		97
73) TETRACHLOROETHYLENE	14.466	164	678237	11.39	PPBV		99
74) DIBROMOCHLOROMETHANE	13.511	129	1221557	12.62	PPBV		100
75) 1,2-DIBROMOETHANE	13.823	107	968537	12.07	PPBV		100
76) OCTANE	14.331	43	928927	11.60	PPBV		96
77) 1,1,1,2-TETRACHLOROETHANE	15.390	131	789303	11.81	PPBV		99
78) CHLOROBENZENE	15.408	112	1302463	11.10	PPBV		98
79) ETHYLBENZENE	15.959	91	2069237	12.31	PPBV		99
80) m,p-XYLENE	16.234	106	1576639	24.73	PPBV		98
81) o-XYLENE	16.901	106	773169	12.49	PPBV		97
82) STYRENE	16.754	104	1182327	13.32	PPBV		99
83) NONANE	17.311	43	964575	11.55	PPBV		97
84) BROMOFORM	16.289	173	1229686	12.42	PPBV		100
86) 1,1,2,2-TETRACHLOROETHANE	16.907	83	1398226	11.24	PPBV		99
87) 1,2,3-TRICHLOROPROPANE	17.096	75	977028	10.88	PPBV		98
88) ISOPROPYLBENZENE	17.812	105	2272900	11.87	PPBV		99
89) BROMOBENZENE	17.910	77	1152759	10.66	PPBV		95
90) 2-CHLOROTOLUENE	18.546	126	580224	12.09	PPBV		100
91) n-PROPYLBENZENE	18.638	120	614508	12.66	PPBV		99
92) 4-ETHYLTOLUENE	18.877	105	2276515	12.88	PPBV		99
93) 1,3,5-TRIMETHYLBENZENE	19.011	105	1926471	12.75	PPBV		99
94) ALPHA-METHYLSTYRENE	19.256	118	964352	11.83	PPBV		99
95) tert-BUTYLBENZENE	19.611	134	426733	12.94	PPBV		97
96) 1,2,4-TRIMETHYLBENZENE	19.629	105	2101835	13.26	PPBV		98
97) m-DICHLOROBENZENE	19.819	146	1483124	11.88	PPBV		100
98) BENZYL CHLORIDE	19.813	91	2086019	12.26	PPBV		99
99) p-DICHLOROBENZENE	19.923	146	1425940	12.24	PPBV		99
100) sec-BUTYLBENZENE	20.021	134	510021	12.96	PPBV		95
101) 1,2,3-TRIMETHYLBENZENE	20.235	105	2045983	12.71	PPBV	#	98
102) p-ISOPROPYLTOLUENE	20.259	134	605096	13.08	PPBV		97
103) o-DICHLOROBENZENE	20.406	146	1345461	11.88	PPBV		99
104) n-BUTYLBENZENE	20.853	134	568438	13.36	PPBV		92
105) HEXACHLOROETHANE	21.318	117	980805	12.37	PPBV		98
106) HEXACHLOROBUTADIENE	23.367	225	1360841	12.77	PPBV		100
107) 1,2,4-TRICHLOROBENZENE	23.220	180	1285426	12.74	PPBV		100
108) NAPHTHALENE	22.884	128	3116488	14.07	PPBV		100
110) TVHC as equiv Pentane	5.228	TIC	2415970	8.40	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55473.D
Acq On : 9 Dec 2024 1:55 pm
Operator : benk
Sample : icv2125-10
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 09 14:26:11 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

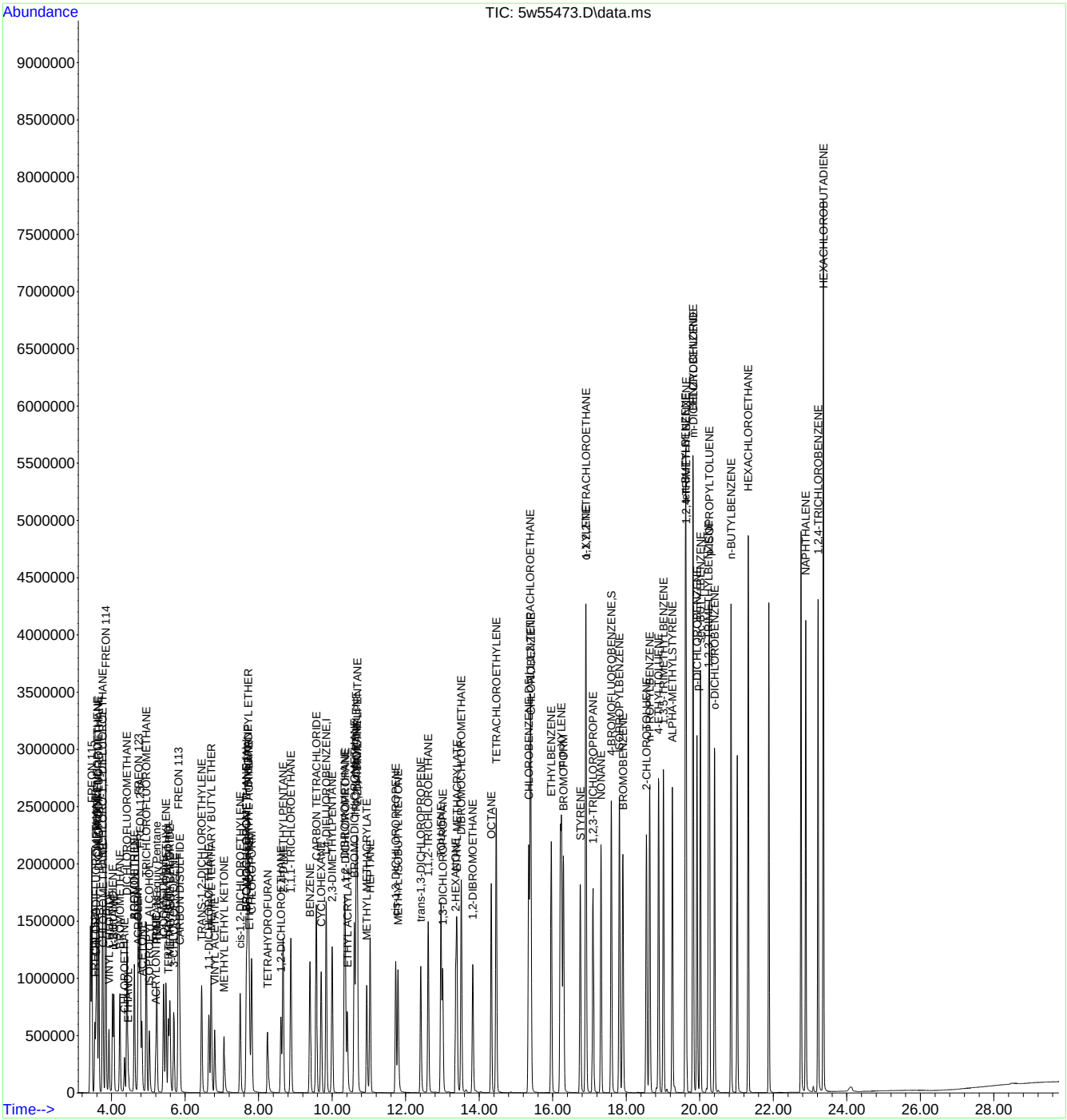
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55473.D
Acq On : 9 Dec 2024 1:55 pm
Operator : benk
Sample : icv2125-10
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 09 14:26:11 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55700.D
Acq On : 17 Dec 2024 8:32 pm
Operator : thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 18:32:56 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	7.669	128	283490	10.00	PPBV	# 0.00
51) 1,4-DIFLUOROBENZENE	9.835	114	1320983	10.00	PPBV	0.00
70) CHLOROBENZENE-D5	15.347	82	829640	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	7.669	128	283490	10.00	PPBV	# 0.00
System Monitoring Compounds						
85) 4-BROMOFLUOROBENZENE	17.592	95	938681	10.11	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 101.10%			
Target Compounds						Qvalue
2) FREON 115	3.466	119	490141	12.6307	PPBV	87
3) FREON 152A	3.546	65	248979	11.8708	PPBV	92
4) CHLORODIFLUOROMETHANE	3.576	67	139788	12.8535	PPBV	100
5) CHLOROTRIFLUOROETHENE	3.607	116	484866	9.8778	PPBV	97
6) DICHLORODIFLUOROMETHANE	3.656	85	1235881	11.9294	PPBV	99
7) PROPYLENE	3.601	41	318999	12.2258	PPBV	97
8) 1-CHLORO-1,1-DIFLUOROE...	3.753	65	1310116	12.3491	PPBV	97
9) FREON 114	3.839	85	1498369	11.7910	PPBV	94
10) CHLOROMETHANE	3.772	52	139843	10.4675	PPBV #	73
11) VINYL CHLORIDE	3.931	62	500361	10.6359	PPBV	98
12) 1,3-BUTADIENE	4.029	54	328558	10.4069	PPBV #	82
13) n-BUTANE	4.066	43	673554	11.1214	PPBV	98
14) BROMOMETHANE	4.231	94	503106	10.1489	PPBV	98
15) CHLOROETHANE	4.353	64	218128	10.1465	PPBV	96
16) DICHLOROFLUOROMETHANE	4.420	67	1182527	11.1281	PPBV	98
17) ACETONITRILE	4.616	41	381104	10.8940	PPBV	99
18) ACROLEIN	4.714	56	174216	11.4045	PPBV	99
19) FREON 123	4.732	83	1208215	11.2970	PPBV	99
20) FREON 123A	4.775	117	627646	11.0370	PPBV	86
21) TRICHLOROFLUOROMETHANE	4.940	101	1106838	11.5611	PPBV	99
22) ISOPROPYL ALCOHOL	5.026	45	701344	11.5619	PPBV	96
23) ACETONE	4.818	58	190094	8.3139	PPBV #	73
24) PENTANE	5.234	42	382516	12.6939	PPBV	97
25) IODOMETHANE	5.418	142	1048284	13.1253	PPBV	99
26) 1,1-DICHLOROETHYLENE	5.479	96	350278	11.8046	PPBV	91
27) CARBON DISULFIDE	5.852	76	1106323	12.8869	PPBV	96
28) ETHANOL	4.451	45	228093	10.2598	PPBV	99
29) BROMOETHENE	4.616	106	464023	10.9881	PPBV	96
30) ACRYLONITRILE	5.197	52	227386	9.5736	PPBV	98
31) METHYLENE CHLORIDE	5.589	84	336437	11.3149	PPBV	94
32) 3-CHLOROPROPENE	5.693	76	178242	13.0003	PPBV #	87
33) FREON 113	5.821	151	646266	13.0999	PPBV	91
34) TRANS-1,2-DICHLOROETHY...	6.451	96	362444	11.5588	PPBV	93
35) TERTIARY BUTYL ALCOHOL	5.540	59	711279	12.4651	PPBV	94
36) METHYL TERTIARY BUTYL ...	6.708	73	1081108	13.4514	PPBV	97
37) TETRAHYDROFURAN	8.238	72	173340	14.0890	PPBV	93
38) HEXANE	7.699	57	571589	12.8683	PPBV	89
39) VINYL ACETATE	6.806	86	62812	12.3718	PPBV #	69
40) 1,1-DICHLOROETHANE	6.647	63	730632	12.5370	PPBV	99
41) METHYL ETHYL KETONE	7.051	72	181023	14.7210	PPBV #	84
42) cis-1,2-DICHLOROETHYLENE	7.498	96	388757	11.9483	PPBV	93
43) DIISOPROPYL ETHER	7.718	59	173894	12.8880	PPBV #	83
44) ETHYL ACETATE	7.748	61	131535	14.5003	PPBV #	96
45) METHYL ACRYLATE	7.730	55	737514	13.6580	PPBV	98
46) CHLOROFORM	7.810	83	932936	12.8195	PPBV	98
47) 2,4-DIMETHYLPENTANE	8.660	57	643935	13.2559	PPBV	99
48) 1,1,1-TRICHLOROETHANE	8.874	97	932528	12.6198	PPBV	97

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55700.D
Acq On : 17 Dec 2024 8:32 pm
Operator : thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 18:32:56 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
49)	CARBON TETRACHLORIDE	9.565	117	977527	12.5168	PPBV		100
50)	1,2-DICHLOROETHANE	8.605	62	663626	14.0198	PPBV		98
52)	BENZENE	9.394	78	1170534	12.2253	PPBV		99
53)	CYCLOHEXANE	9.700	84	450644	12.5296	PPBV		97
54)	2,3-DIMETHYLPENTANE	10.000	71	244517	12.5920	PPBV		98
55)	TRICHLOROETHYLENE	10.648	95	563731	11.1681	PPBV		93
56)	1,2-DICHLOROPROPANE	10.355	63	455764	11.2146	PPBV		96
57)	DIBROMOMETHANE	10.330	174	640573	12.9639	PPBV		87
58)	ETHYL ACRYLATE	10.410	55	894070	13.9460	PPBV		99
59)	BROMODICHLOROMETHANE	10.599	83	1096175	12.4360	PPBV		100
60)	2,2,4-TRIMETHYLPENTANE	10.679	57	1810078	12.4491	PPBV		98
61)	1,4-DIOXANE	10.667	88	262414	11.7689	PPBV	#	87
62)	HEPTANE	11.027	43	692024	13.6267	PPBV		94
63)	METHYL METHACRYLATE	10.936	69	435827	13.6920	PPBV		92
64)	METHYL ISOBUTYL KETONE	11.786	58	353359	13.0593	PPBV	#	83
65)	cis-1,3-DICHLOROPROPENE	11.725	75	805461	13.0465	PPBV		93
66)	TOLUENE	12.961	92	771776	11.5242	PPBV		98
67)	1,3-DICHLOROPROPANE	13.003	76	721866	12.2521	PPBV	#	99
68)	trans-1,3-DICHLOROPROPENE	12.404	75	730655	12.8581	PPBV		94
69)	1,1,2-TRICHLOROETHANE	12.612	83	477290	11.7978	PPBV		96
71)	2-HEXANONE	13.358	58	505319	12.9114	PPBV		82
72)	ETHYL METHACRYLATE	13.389	69	748660	13.0646	PPBV		94
73)	TETRACHLOROETHYLENE	14.466	164	646497	11.9302	PPBV		84
74)	DIBROMOCHLOROMETHANE	13.505	129	957673	10.8685	PPBV		99
75)	1,2-DIBROMOETHANE	13.823	107	821840	11.2479	PPBV		100
76)	OCTANE	14.325	43	1000955	13.7360	PPBV		94
77)	1,1,1,2-TETRACHLOROETHANE	15.389	131	625512	10.2814	PPBV		90
78)	CHLOROBENZENE	15.402	112	1074618	10.0617	PPBV		93
79)	ETHYLBENZENE	15.958	91	1824972	11.9314	PPBV		97
80)	m,p-XYLENE	16.234	106	1282140	22.0915	PPBV		93
81)	o-XYLENE	16.900	106	643598	11.4241	PPBV		92
82)	STYRENE	16.747	104	987985	12.2269	PPBV		96
83)	NONANE	17.310	43	1057154	13.9014	PPBV		97
84)	BROMOFORM	16.289	173	1332200	14.7771	PPBV		99
86)	1,1,2,2-TETRACHLOROETHANE	16.900	83	1314867	11.6113	PPBV		99
87)	1,2,3-TRICHLOROPROPANE	17.096	75	931482	11.3923	PPBV		95
88)	ISOPROPYLBENZENE	17.812	105	1869433	10.7239	PPBV		96
89)	BROMOBENZENE	17.904	77	1084437	11.0142	PPBV		98
90)	2-CHLOROTOLUENE	18.546	126	452203	10.3535	PPBV		100
91)	n-PROPYLBENZENE	18.632	120	482605	10.9202	PPBV		99
92)	4-ETHYLTOLUENE	18.876	105	1913832	11.8952	PPBV		99
93)	1,3,5-TRIMETHYLBENZENE	19.011	105	1598724	11.6271	PPBV		98
94)	ALPHA-METHYLSTYRENE	19.250	118	753685	10.1544	PPBV		97
95)	tert-BUTYLBENZENE	19.611	134	323983	10.7921	PPBV		93
96)	1,2,4-TRIMETHYLBENZENE	19.623	105	1752820	12.1500	PPBV		98
97)	m-DICHLOROBENZENE	19.812	146	1265483	11.1404	PPBV		98
98)	BENZYL CHLORIDE	19.806	91	1786034	11.5343	PPBV		97
99)	p-DICHLOROBENZENE	19.923	146	1231073	11.6079	PPBV		98
100)	sec-BUTYLBENZENE	20.014	134	389937	10.8867	PPBV	#	88
101)	1,2,3-TRIMETHYLBENZENE	20.235	105	1704534	11.6335	PPBV	#	97
102)	p-ISOPROPYLTOLUENE	20.259	134	453456	10.7719	PPBV		94
103)	o-DICHLOROBENZENE	20.400	146	1154974	11.2005	PPBV		98
104)	n-BUTYLBENZENE	20.852	134	440098	11.3651	PPBV	#	77
105)	HEXACHLOROETHANE	21.317	117	908545	12.5865	PPBV	#	81
106)	HEXACHLOROBUTADIENE	23.361	225	1704722	17.5722	PPBV		99
107)	1,2,4-TRICHLOROBENZENE	23.214	180	1397381	15.2088	PPBV		96
108)	NAPHTHALENE	22.877	128	2277222	11.2912	PPBV		100
110)	TVHC as equiv Pentane	5.228	TIC	2517105	11.3419	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55700.D
Acq On : 17 Dec 2024 8:32 pm
Operator : thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 18:32:56 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

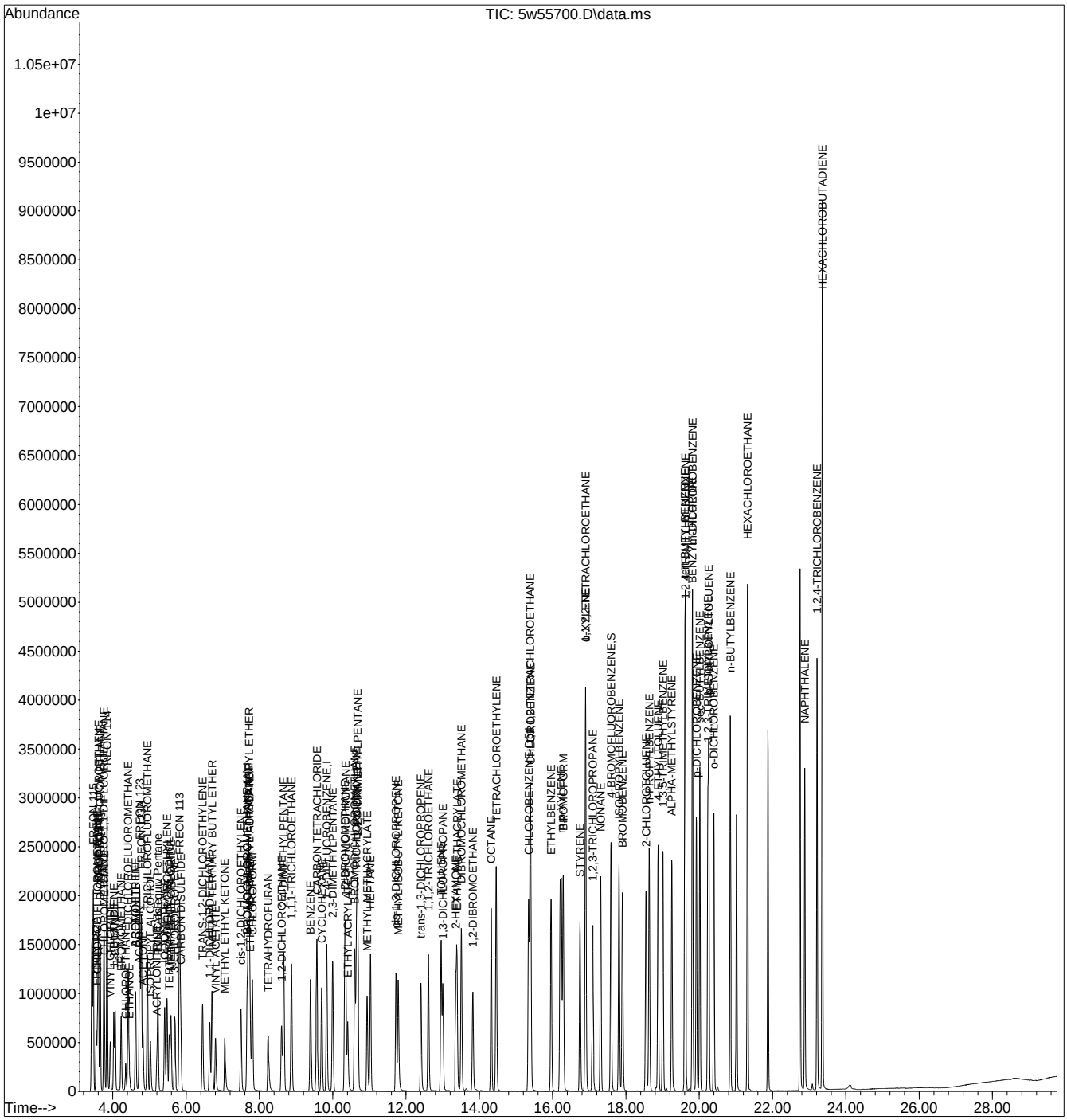
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55700.D
Acq On : 17 Dec 2024 8:32 pm
Operator : thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 18:32:56 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55778.D
Acq On : 20 Dec 2024 1:06 pm
Operator : thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2136,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 23 07:06:08 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.669	128	318888	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.835	114	1469982	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	15.341	82	896125	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.669	128	318888	10.00	PPBV	#	0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	17.586	95	1008742	10.06	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 100.60%				
Target Compounds							Qvalue
2) FREON 115	3.466	119	624218	14.3002	PPBV		95
3) FREON 152A	3.546	65	317951	13.4765	PPBV		98
4) CHLORODIFLUOROMETHANE	3.576	67	161801	13.2261	PPBV		97
5) CHLOROTRIFLUOROETHENE	3.607	116	653547	11.8362	PPBV		99
6) DICHLORODIFLUOROMETHANE	3.656	85	1475918	12.6650	PPBV		100
7) PROPYLENE	3.601	41	381974	13.0143	PPBV		99
8) 1-CHLORO-1,1-DIFLUOROE...	3.754	65	1211334	10.1505	PPBV		99
9) FREON 114	3.845	85	1411506	9.8745	PPBV		96
10) CHLOROMETHANE	3.772	52	128319	8.5387	PPBV		88
11) VINYL CHLORIDE	3.931	62	458589	8.6659	PPBV		99
12) 1,3-BUTADIENE	4.029	54	298397	8.4024	PPBV		83
13) n-BUTANE	4.066	43	602522	8.8442	PPBV		98
14) BROMOMETHANE	4.231	94	477772	8.5680	PPBV		100
15) CHLOROETHANE	4.353	64	205540	8.4996	PPBV		97
16) DICHLOROFLUOROMETHANE	4.420	67	1085746	9.0832	PPBV		98
17) ACETONITRILE	4.622	41	339144	8.6184	PPBV		98
18) ACROLEIN	4.714	56	158132	9.2025	PPBV		99
19) FREON 123	4.732	83	1139561	9.4723	PPBV		99
20) FREON 123A	4.775	117	620886	9.7062	PPBV		97
21) TRICHLOROFLUOROMETHANE	4.947	101	1263194	11.7297	PPBV		99
22) ISOPROPYL ALCOHOL	5.026	45	803523	11.7760	PPBV		98
23) ACETONE	4.824	58	180153	7.0045	PPBV	#	81
24) PENTANE	5.234	42	429102	12.6592	PPBV		99
25) IODOMETHANE	5.418	142	1191766	13.2654	PPBV		96
26) 1,1-DICHLOROETHYLENE	5.479	96	398323	11.9336	PPBV		97
27) CARBON DISULFIDE	5.852	76	1235064	12.7895	PPBV		99
28) ETHANOL	4.457	45	207634	8.3028	PPBV		99
29) BROMOETHENE	4.622	106	460244	9.6888	PPBV		97
30) ACRYLONITRILE	5.204	52	256089	9.5852	PPBV		99
31) METHYLENE CHLORIDE	5.589	84	375160	11.2167	PPBV		99
32) 3-CHLOROPROPENE	5.693	76	201866	13.0889	PPBV		96
33) FREON 113	5.821	151	732704	13.2034	PPBV		90
34) TRANS-1,2-DICHLOROETHY...	6.452	96	419403	11.8906	PPBV		98
35) TERTIARY BUTYL ALCOHOL	5.546	59	775362	12.0798	PPBV		97
36) METHYL TERTIARY BUTYL ...	6.708	73	1228936	13.5933	PPBV		98
37) TETRAHYDROFURAN	8.238	72	197620	14.2794	PPBV		98
38) HEXANE	7.700	57	627757	12.5641	PPBV		94
39) VINYL ACETATE	6.806	86	75731	13.2606	PPBV	#	93
40) 1,1-DICHLOROETHANE	6.647	63	811475	12.3786	PPBV		98
41) METHYL ETHYL KETONE	7.057	72	202233	14.6202	PPBV	#	87
42) cis-1,2-DICHLOROETHYLENE	7.498	96	442713	12.0962	PPBV		96
43) DIISOPROPYL ETHER	7.712	59	190748	12.5678	PPBV	#	88
44) ETHYL ACETATE	7.748	61	145181	14.2280	PPBV	#	38
45) METHYL ACRYLATE	7.730	55	800096	13.1722	PPBV		99
46) CHLOROFORM	7.810	83	1039127	12.6937	PPBV		100
47) 2,4-DIMETHYLPENTANE	8.660	57	723012	13.2316	PPBV		99
48) 1,1,1-TRICHLOROETHANE	8.874	97	1035484	12.4576	PPBV		98

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55778.D
Acq On : 20 Dec 2024 1:06 pm
Operator : thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2136,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 23 07:06:08 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
49)	CARBON TETRACHLORIDE	9.565	117	1102538	12.5504	PPBV		100
50)	1,2-DICHLOROETHANE	8.605	62	708904	13.3139	PPBV		99
52)	BENZENE	9.394	78	1342299	12.5982	PPBV		100
53)	CYCLOHEXANE	9.694	84	516137	12.8959	PPBV		99
54)	2,3-DIMETHYLPENTANE	10.000	71	282810	13.0878	PPBV		96
55)	TRICHLOROETHYLENE	10.648	95	633242	11.2736	PPBV		95
56)	1,2-DICHLOROPROPANE	10.361	63	510553	11.2893	PPBV		97
57)	DIBROMOMETHANE	10.330	174	755528	13.7405	PPBV		81
58)	ETHYL ACRYLATE	10.410	55	981600	13.7593	PPBV		99
59)	BROMODICHLOROMETHANE	10.599	83	1206214	12.2973	PPBV		100
60)	2,2,4-TRIMETHYLPENTANE	10.679	57	1990028	12.2995	PPBV		98
61)	1,4-DIOXANE	10.667	88	299962	12.0893	PPBV	#	81
62)	HEPTANE	11.028	43	752488	13.3154	PPBV		96
63)	METHYL METHACRYLATE	10.936	69	481560	13.5953	PPBV		97
64)	METHYL ISOBUTYL KETONE	11.786	58	388890	12.9157	PPBV		87
65)	cis-1,3-DICHLOROPROPENE	11.725	75	908137	13.2187	PPBV		97
66)	TOLUENE	12.961	92	887710	11.9118	PPBV		99
67)	1,3-DICHLOROPROPANE	13.004	76	820517	12.5149	PPBV	#	99
68)	trans-1,3-DICHLOROPROPENE	12.404	75	828355	13.0998	PPBV		98
69)	1,1,2-TRICHLOROETHANE	12.612	83	537644	11.9426	PPBV		97
71)	2-HEXANONE	13.358	58	560900	13.2683	PPBV		87
72)	ETHYL METHACRYLATE	13.389	69	835523	13.4987	PPBV		97
73)	TETRACHLOROETHYLENE	14.466	164	747063	12.7632	PPBV		84
74)	DIBROMOCHLOROMETHANE	13.505	129	1097540	11.5317	PPBV		99
75)	1,2-DIBROMOETHANE	13.823	107	940751	11.9201	PPBV		100
76)	OCTANE	14.325	43	1084120	13.7735	PPBV		95
77)	1,1,1,2-TETRACHLOROETHANE	15.383	131	720856	10.9694	PPBV		94
78)	CHLOROBENZENE	15.402	112	1232114	10.6804	PPBV		95
79)	ETHYLBENZENE	15.958	91	2076562	12.5690	PPBV		98
80)	m,p-XYLENE	16.228	106	1471828	23.4783	PPBV		95
81)	o-XYLENE	16.901	106	720486	11.8401	PPBV		95
82)	STYRENE	16.748	104	1142420	13.0892	PPBV		97
83)	NONANE	17.310	43	1130936	13.7682	PPBV		99
84)	BROMOFORM	16.289	173	1519883	15.6082	PPBV		99
86)	1,1,2,2-TETRACHLOROETHANE	16.901	83	1428324	11.6774	PPBV		99
87)	1,2,3-TRICHLOROPROPANE	17.090	75	1030429	11.6674	PPBV		96
88)	ISOPROPYLBENZENE	17.812	105	2152989	11.4342	PPBV		98
89)	BROMOBENZENE	17.904	77	1211657	11.3933	PPBV		93
90)	2-CHLOROTOLUENE	18.546	126	534316	11.3259	PPBV		99
91)	n-PROPYLBENZENE	18.632	120	567338	11.8851	PPBV		99
92)	4-ETHYLTOLUENE	18.877	105	2199724	12.6578	PPBV		99
93)	1,3,5-TRIMETHYLBENZENE	19.005	105	1831439	12.3314	PPBV		99
94)	ALPHA-METHYLSTYRENE	19.256	118	879694	10.9728	PPBV		97
95)	tert-BUTYLBENZENE	19.611	134	380904	11.7468	PPBV		99
96)	1,2,4-TRIMETHYLBENZENE	19.623	105	1961577	12.5882	PPBV		100
97)	m-DICHLOROBENZENE	19.813	146	1422500	11.5936	PPBV		96
98)	BENZYL CHLORIDE	19.806	91	1933734	11.5617	PPBV		98
99)	p-DICHLOROBENZENE	19.923	146	1409874	12.3075	PPBV		96
100)	sec-BUTYLBENZENE	20.014	134	455920	11.7845	PPBV		94
101)	1,2,3-TRIMETHYLBENZENE	20.235	105	1931074	12.2018	PPBV	#	99
102)	p-ISOPROPYLTOLUENE	20.259	134	529338	11.6416	PPBV		98
103)	o-DICHLOROBENZENE	20.400	146	1318774	11.8402	PPBV		96
104)	n-BUTYLBENZENE	20.853	134	525567	12.5653	PPBV		91
105)	HEXACHLOROETHANE	21.311	117	1006137	12.9044	PPBV	#	78
106)	HEXACHLOROBUTADIENE	23.251	225	2010215	19.1838	PPBV		99
107)	1,2,4-TRICHLOROBENZENE	23.116	180	1700363	17.1334	PPBV		95
108)	NAPHTHALENE	22.798	128	2718914	12.4811	PPBV		100
110)	TVHC as equiv Pentane	5.234	TIC	2774316	11.1132	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55778.D
Acq On : 20 Dec 2024 1:06 pm
Operator : thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2136,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 23 07:06:08 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

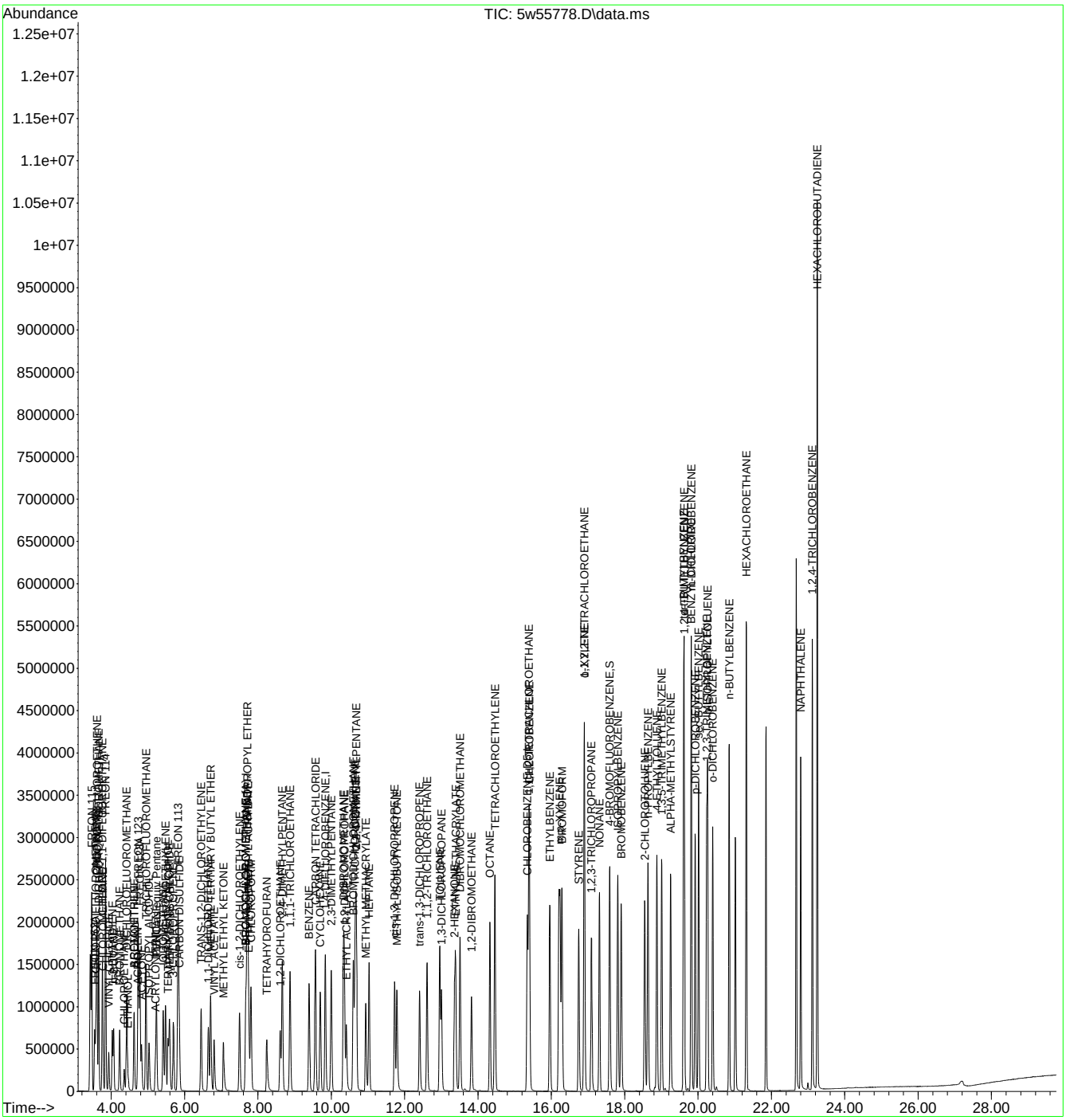
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55778.D
Acq On : 20 Dec 2024 1:06 pm
Operator : thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2136,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 23 07:06:08 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55819.D
Acq On : 23 Dec 2024 9:11 am
Operator : thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 24 04:40:07 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.669	128	263070	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.829	114	1217301	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	15.341	82	738303	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.669	128	263070	10.00	PPBV	#	0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	17.586	95	828145	10.02	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 100.20%				
Target Compounds							Qvalue
2) FREON 115	3.466	119	443684	12.3210	PPBV		93
3) FREON 152A	3.546	65	212489	10.9174	PPBV		97
4) CHLORODIFLUOROMETHANE	3.576	67	118141	11.7063	PPBV		98
5) CHLOROTRIFLUOROETHENE	3.607	116	455636	10.0028	PPBV		98
6) DICHLORODIFLUOROMETHANE	3.656	85	1073218	11.1634	PPBV		99
7) PROPYLENE	3.601	41	257735	10.6445	PPBV		98
8) 1-CHLORO-1,1-DIFLUOROE...	3.754	65	1120022	11.3767	PPBV		99
9) FREON 114	3.839	85	1412169	11.9753	PPBV		96
10) CHLOROMETHANE	3.772	52	124915	10.0759	PPBV	#	78
11) VINYL CHLORIDE	3.931	62	476330	10.9110	PPBV		98
12) 1,3-BUTADIENE	4.029	54	312743	10.6749	PPBV		90
13) n-BUTANE	4.066	43	620169	11.0348	PPBV		98
14) BROMOMETHANE	4.231	94	475235	10.3309	PPBV		99
15) CHLOROETHANE	4.353	64	209737	10.5135	PPBV		99
16) DICHLOROFLUOROMETHANE	4.421	67	1073511	10.8864	PPBV		99
17) ACETONITRILE	4.616	41	340326	10.4835	PPBV		99
18) ACROLEIN	4.714	56	158371	11.1720	PPBV		99
19) FREON 123	4.733	83	1097141	11.0548	PPBV		99
20) FREON 123A	4.775	117	579782	10.9867	PPBV		90
21) TRICHLOROFLUOROMETHANE	4.941	101	992534	11.1719	PPBV		100
22) ISOPROPYL ALCOHOL	5.020	45	589792	10.4777	PPBV		98
23) ACETONE	4.818	58	174326	8.2161	PPBV		90
24) PENTANE	5.228	42	306426	10.9582	PPBV		97
25) IODOMETHANE	5.412	142	939913	12.6819	PPBV		94
26) 1,1-DICHLOROETHYLENE	5.479	96	296637	10.7728	PPBV		100
27) CARBON DISULFIDE	5.846	76	905072	11.3609	PPBV		98
28) ETHANOL	4.451	45	218980	10.6145	PPBV		99
29) BROMOETHENE	4.616	106	433197	11.0544	PPBV		98
30) ACRYLONITRILE	5.198	52	185208	8.4030	PPBV		100
31) METHYLENE CHLORIDE	5.589	84	279330	10.1235	PPBV		99
32) 3-CHLOROPROPENE	5.693	76	147321	11.5790	PPBV		96
33) FREON 113	5.815	151	589276	12.8719	PPBV		83
34) TRANS-1,2-DICHLOROETHY...	6.446	96	307408	10.5646	PPBV		99
35) TERTIARY BUTYL ALCOHOL	5.540	59	581566	10.9830	PPBV		97
36) METHYL TERTIARY BUTYL ...	6.702	73	919622	12.3303	PPBV		98
37) TETRAHYDROFURAN	8.232	72	148350	12.9937	PPBV		99
38) HEXANE	7.700	57	459701	11.1527	PPBV		90
39) VINYL ACETATE	6.800	86	56579	12.0092	PPBV		99
40) 1,1-DICHLOROETHANE	6.641	63	598323	11.0636	PPBV		99
41) METHYL ETHYL KETONE	7.051	72	153607	13.4611	PPBV		93
42) cis-1,2-DICHLOROETHYLENE	7.492	96	329132	10.9009	PPBV		98
43) DIISOPROPYL ETHER	7.712	59	144614	11.5498	PPBV		97
44) ETHYL ACETATE	7.742	61	103860	12.3381	PPBV	#	98
45) METHYL ACRYLATE	7.730	55	588812	11.7506	PPBV		100
46) CHLOROFORM	7.804	83	773655	11.4560	PPBV		99
47) 2,4-DIMETHYLPENTANE	8.660	57	526334	11.6760	PPBV		99
48) 1,1,1-TRICHLOROETHANE	8.868	97	772811	11.2702	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55819.D
Acq On : 23 Dec 2024 9:11 am
Operator : thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 24 04:40:07 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
49)	CARBON TETRACHLORIDE	9.559	117	830049	11.4534	PPBV		100
50)	1,2-DICHLOROETHANE	8.599	62	534819	12.1757	PPBV		98
52)	BENZENE	9.394	78	1003717	11.3759	PPBV		99
53)	CYCLOHEXANE	9.694	84	396422	11.9608	PPBV		97
54)	2,3-DIMETHYLPENTANE	9.994	71	212277	11.8628	PPBV		91
55)	TRICHLOROETHYLENE	10.642	95	483189	10.3878	PPBV		96
56)	1,2-DICHLOROPROPANE	10.355	63	382961	10.2258	PPBV		97
57)	DIBROMOMETHANE	10.330	174	614707	13.5000	PPBV		78
58)	ETHYL ACRYLATE	10.404	55	721337	12.2100	PPBV		99
59)	BROMODICHLOROMETHANE	10.599	83	909013	11.1910	PPBV		100
60)	2,2,4-TRIMETHYLPENTANE	10.679	57	1465609	10.9385	PPBV		98
61)	1,4-DIOXANE	10.661	88	227029	11.0492	PPBV	#	69
62)	HEPTANE	11.022	43	560388	11.9745	PPBV		97
63)	METHYL METHACRYLATE	10.930	69	372004	12.6823	PPBV		98
64)	METHYL ISOBUTYL KETONE	11.780	58	297634	11.9368	PPBV		91
65)	cis-1,3-DICHLOROPROPENE	11.725	75	688807	12.1073	PPBV		95
66)	TOLUENE	12.955	92	690703	11.1921	PPBV		99
67)	1,3-DICHLOROPROPANE	12.998	76	615745	11.3411	PPBV	#	100
68)	trans-1,3-DICHLOROPROPENE	12.398	75	622635	11.8904	PPBV		96
69)	1,1,2-TRICHLOROETHANE	12.606	83	405394	10.8742	PPBV		97
71)	2-HEXANONE	13.352	58	429888	12.3429	PPBV		90
72)	ETHYL METHACRYLATE	13.383	69	646680	12.6811	PPBV		98
73)	TETRACHLOROETHYLENE	14.460	164	628528	13.0335	PPBV		80
74)	DIBROMOCHLOROMETHANE	13.505	129	865933	11.0431	PPBV		100
75)	1,2-DIBROMOETHANE	13.817	107	716152	11.0140	PPBV		99
76)	OCTANE	14.325	43	821392	12.6663	PPBV		96
77)	1,1,1,2-TETRACHLOROETHANE	15.384	131	554115	10.2346	PPBV		95
78)	CHLOROBENZENE	15.402	112	950698	10.0026	PPBV		96
79)	ETHYLBENZENE	15.952	91	1588334	11.6689	PPBV		98
80)	m,p-XYLENE	16.209	106	1164310	22.5430	PPBV		98
81)	o-XYLENE	16.895	106	571423	11.3978	PPBV		98
82)	STYRENE	16.748	104	888220	12.3521	PPBV		98
83)	NONANE	17.304	43	857369	12.6690	PPBV		100
84)	BROMOFORM	16.283	173	1248720	15.5647	PPBV		98
86)	1,1,2,2-TETRACHLOROETHANE	16.901	83	1093404	10.8501	PPBV		100
87)	1,2,3-TRICHLOROPROPANE	17.090	75	770661	10.5914	PPBV		96
88)	ISOPROPYLBENZENE	17.806	105	1668204	10.7534	PPBV		98
89)	BROMOBENZENE	17.904	77	920121	10.5015	PPBV		88
90)	2-CHLOROTOLUENE	18.540	126	405141	10.4235	PPBV		100
91)	n-PROPYLBENZENE	18.632	120	441199	11.2183	PPBV		99
92)	4-ETHYLTOLUENE	18.877	105	1704719	11.9063	PPBV		99
93)	1,3,5-TRIMETHYLBENZENE	19.005	105	1434926	11.7269	PPBV		99
94)	ALPHA-METHYLSTYRENE	19.250	118	695654	10.5321	PPBV		98
95)	tert-BUTYLBENZENE	19.611	134	311530	11.6610	PPBV		96
96)	1,2,4-TRIMETHYLBENZENE	19.623	105	1567244	12.2076	PPBV		99
97)	m-DICHLOROBENZENE	19.813	146	1161828	11.4932	PPBV		96
98)	BENZYL CHLORIDE	19.807	91	1522621	11.0497	PPBV		98
99)	p-DICHLOROBENZENE	19.917	146	1135811	12.0346	PPBV		95
100)	sec-BUTYLBENZENE	20.015	134	373153	11.7069	PPBV		100
101)	1,2,3-TRIMETHYLBENZENE	20.235	105	1526328	11.7060	PPBV	#	99
102)	p-ISOPROPYLTOLUENE	20.259	134	432797	11.5531	PPBV		97
103)	o-DICHLOROBENZENE	20.400	146	1063562	11.5900	PPBV		96
104)	n-BUTYLBENZENE	20.847	134	424199	12.3098	PPBV		95
105)	HEXACHLOROETHANE	21.312	117	800997	12.4694	PPBV	#	75
106)	HEXACHLOROBUTADIENE	23.251	225	1750424	20.2754	PPBV		99
107)	1,2,4-TRICHLOROBENZENE	23.116	180	1448982	17.7214	PPBV		96
108)	NAPHTHALENE	22.798	128	2170339	12.0926	PPBV		100
110)	TVHC as equiv Pentane	5.228	TIC	2047811	9.9435	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55819.D
Acq On : 23 Dec 2024 9:11 am
Operator : thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 24 04:40:07 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

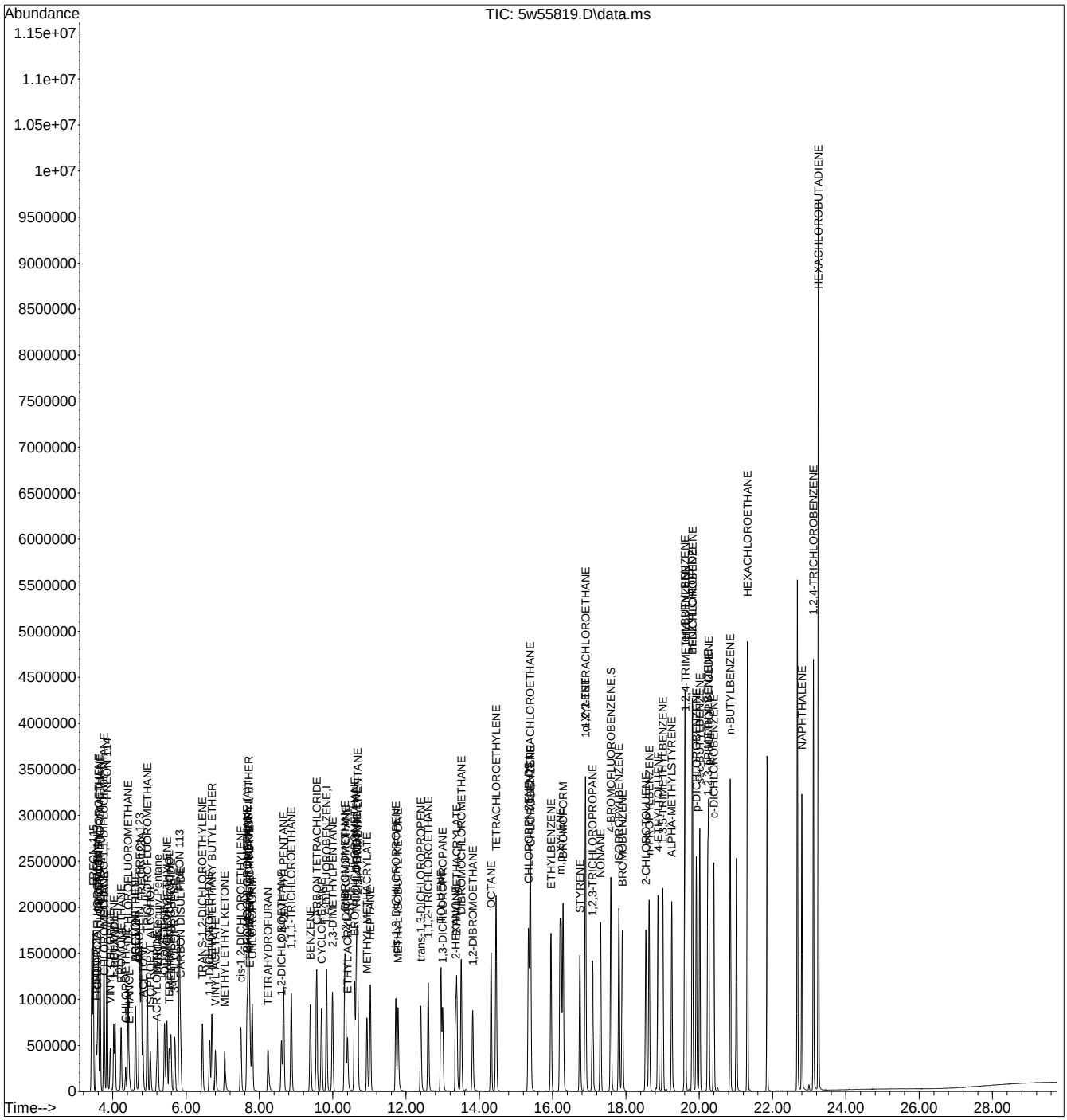
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55819.D
Acq On : 23 Dec 2024 9:11 am
Operator : thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 24 04:40:07 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 08/19/24 10:53

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 09:49:15 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.267	128	86358	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.547	114	435174	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.119	117	379594	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.267	128	86358	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.479	95	275352	9.89	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.618	119	521	0.05	PPBV		95
3) FREON 152A	1.650	65	283	0.05	PPBV		98
4) CHLORODIFLUOROMETHANE	1.659	67	125	0.04	PPBV	#	38
5) CHLOROTRIFLUOROETHENE	1.676	116	644	0.05	PPBV		79
6) DICHLORODIFLUOROMETHANE	1.688	85	1424	0.04	PPBV		95
7) PROPYLENE	1.672	41	412	0.05	PPBV	#	75
8) 1-CHLORO-1,1-DIFLUOROE...	1.724	65	1198	0.04	PPBV	#	77
9) FREON 114	1.759	85	1188	0.04	PPBV		97
10) CHLOROMETHANE	1.733	52	270	0.06	PPBV		88
11) VINYL CHLORIDE	1.795	62	622	0.05	PPBV	#	84
12) 1,3-BUTADIENE	1.833	54	532	0.05	PPBV	#	38
13) N-BUTANE	1.849	43	921	0.05	PPBV	#	1
14) BROMOMETHANE	1.910	94	499	0.05	PPBV		100
15) CHLOROETHANE	1.958	64	295	0.04	PPBV		95
16) DICHLOROFLUOROMETHANE	1.984	67	1087	0.04	PPBV	#	74
17) ACETONITRILE	2.055	41	1005	0.07	PPBV	#	82
19) FREON 123	2.106	83	1209	0.04	PPBV		92
20) FREON 123A	2.126	117	644	0.04	PPBV		98
21) TRICHLOROFLUOROMETHANE	2.190	101	1284	0.04	PPBV		98
22) ISOPROPYL ALCOHOL	2.229	45	1604	0.05	PPBV	#	74
23) ACETONE	2.142	58	1052	0.10	PPBV		91
24) PENTANE	2.306	42	809	0.05	PPBV	#	91
25) IODOMETHANE	2.367	142	1057	0.04	PPBV		95
26) 1,1-DICHLOROETHYLENE	2.389	96	495	0.04	PPBV		92
27) CARBON DISULFIDE	2.528	76	1277	0.04	PPBV	#	75
28) ETHANOL	2.000	45	820	0.07	PPBV	#	64
29) BROMOETHENE	2.061	106	450	0.04	PPBV	#	80
30) ACRYLONITRILE	2.277	52	632	0.06	PPBV		87
31) METHYLENE CHLORIDE	2.425	84	890	0.07	PPBV		87
32) 3-CHLOROPROPENE	2.470	76	287	0.05	PPBV	#	1
33) FREON 113	2.521	151	715	0.04	PPBV		95
34) TRANS-1,2-DICHLOROETHENE	2.753	96	522	0.04	PPBV		78
35) TERTIARY BUTYL ALCOHOL	2.447	59	1139	0.04	PPBV	#	51
36) METHYL TERTIARY BUTYL ...	2.878	73	1180	0.04	PPBV	#	81
37) TETRAHYDROFURAN	3.598	72	164	0.03	PPBV	#	47
38) HEXANE	3.322	57	1231	0.05	PPBV		88
39) VINYL ACETATE	2.910	86	51	0.02	PPBV	#	1
40) 1,1-DICHLOROETHANE	2.830	63	955	0.04	PPBV	#	86
41) METHYL ETHYL KETONE	3.010	72	219	0.04	PPBV	#	14
42) CIS-1,2-DICHLOROETHENE	3.190	96	521	0.04	PPBV		97
43) DIISOPROPYL ETHER	3.338	59	208	0.03	PPBV		43
44) ETHYL ACETATE	3.341	61	177	0.04	PPBV	#	83
45) METHYL ACRYLATE	3.328	55	948	0.04	PPBV		90
46) CHLOROFORM	3.344	83	987	0.04	PPBV		97
47) 2,4-DIMETHYLPENTANE	3.836	57	1018	0.04	PPBV		92
48) 1,1,1-TRICHLOROETHANE	3.910	97	923	0.04	PPBV		93
49) CARBON TETRACHLORIDE	4.335	117	765	0.03	PPBV		94
50) 1,2-DICHLOROETHANE	3.749	62	737	0.04	PPBV	#	91

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 09:49:15 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration

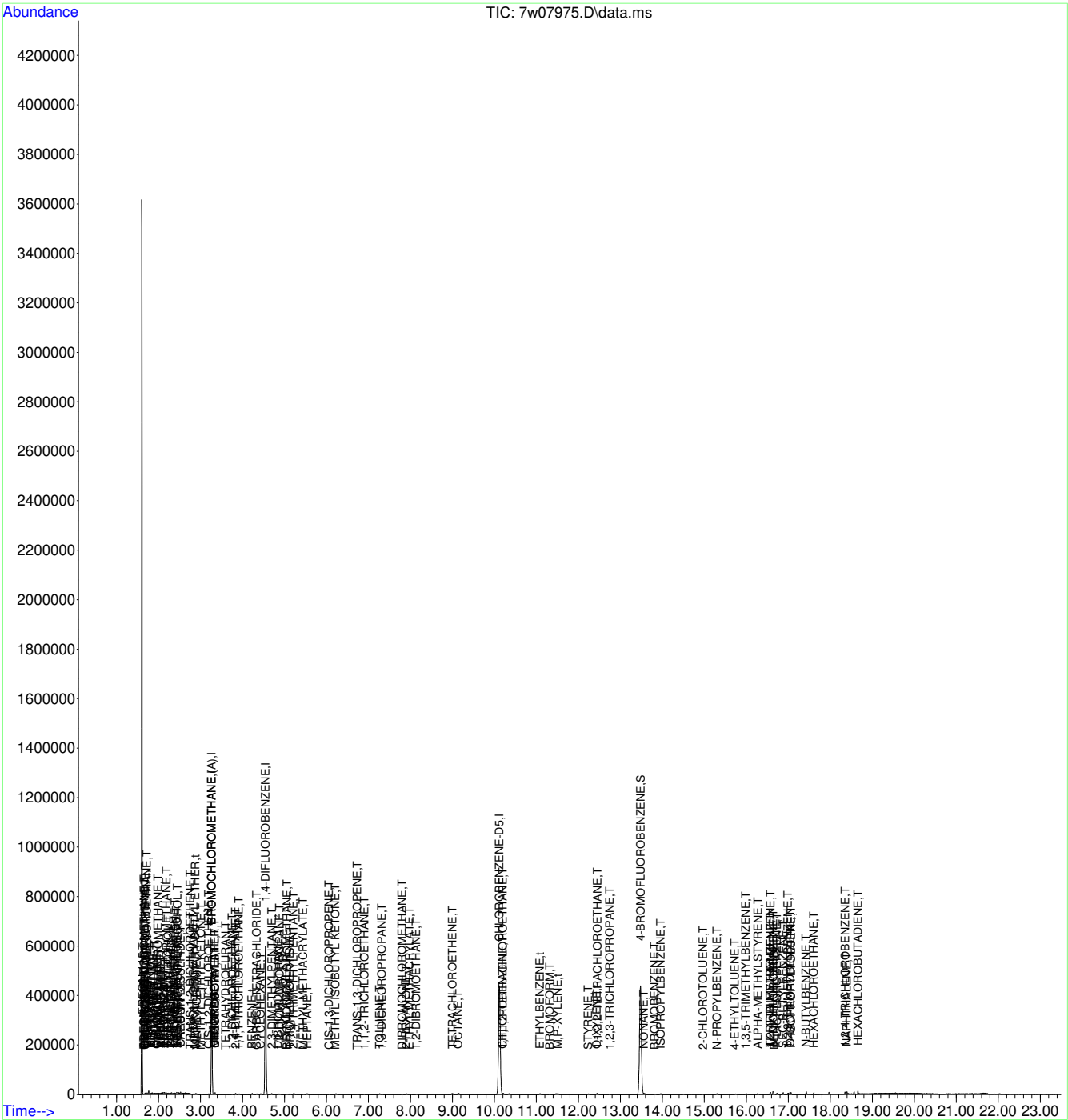
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
51) BENZENE	4.219	78	1765	0.05	PPBV		98
53) CYCLOHEXANE	4.428	84	693	0.04	PPBV		95
54) 2,3-DIMETHYLPENTANE	4.695	71	323	0.04	PPBV	#	73
55) TRICHLOROETHENE	5.122	95	728	0.04	PPBV		89
56) 1,2-DICHLOROPROPANE	4.884	63	609	0.04	PPBV	#	86
57) DIBROMOMETHANE	4.846	174	617	0.04	PPBV		90
58) ETHYL ACRYLATE	5.032	55	1286	0.04	PPBV	#	86
59) BROMODICHLOROMETHANE	5.061	83	937	0.04	PPBV		95
60) 2,2,4-TRIMETHYLPENTANE	5.216	57	3047	0.04	PPBV	#	93
62) HEPTANE	5.540	43	1123	0.04	PPBV		92
63) METHYL METHACRYLATE	5.447	69	574	0.04	PPBV	#	85
64) METHYL ISOBUTYL KETONE	6.206	58	746	0.05	PPBV	#	1
65) CIS-1,3-DICHLOROPROPENE	6.058	75	655	0.03	PPBV		86
66) TOLUENE	7.264	91	2052	0.04	PPBV		98
67) 1,3-DICHLOROPROPANE	7.315	76	924	0.04	PPBV	#	84
68) TRANS-1,3-DICHLOROPROPENE	6.730	75	422	0.03	PPBV		90
69) 1,1,2-TRICHLOROETHANE	6.904	83	497	0.04	PPBV		98
70) 2-HEXANONE	7.900	58	1104	0.05	PPBV	#	95
71) ETHYL METHACRYLATE	7.978	69	838	0.04	PPBV	#	87
72) TETRACHLOROETHENE	8.994	164	878	0.05	PPBV		93
73) DIBROMOCHLOROMETHANE	7.797	129	793	0.03	PPBV		92
74) 1,2-DIBROMOETHANE	8.138	107	952	0.04	PPBV	#	99
75) OCTANE	9.135	43	2128	0.06	PPBV	#	79
77) 1,1,1,2-TETRACHLOROETHANE	10.196	131	638	0.04	PPBV		86
78) CHLOROBENZENE	10.190	112	1477	0.04	PPBV	#	87
79) ETHYLBENZENE	11.080	91	2859	0.05	PPBV		99
80) M,P-XYLENE	11.505	91	4346m	0.09	PPBV		
81) O-XYLENE	12.434	91	2112	0.04	PPBV		84
82) STYRENE	12.231	104	1406	0.04	PPBV	#	67
83) NONANE	13.556	43	1791	0.05	PPBV	#	83
84) BROMOFORM	11.318	173	690m	0.03	PPBV		
85) 1,1,2,2-TETRACHLOROETHANE	12.456	83	1288	0.04	PPBV	#	90
86) 1,2,3-TRICHLOROPROPANE	12.743	75	1102	0.04	PPBV	#	99
88) ISOPROPYLBENZENE	13.958	120	662	0.04	PPBV		78
89) BROMOBENZENE	13.810	77	1167	0.03	PPBV		95
90) 2-CHLOROTOLUENE	14.964	126	643	0.04	PPBV	#	62
91) N-PROPYLBENZENE	15.299	120	676	0.04	PPBV	#	62
92) 4-ETHYLTOLUENE	15.723	105	2657m	0.04	PPBV		
93) 1,3,5-TRIMETHYLBENZENE	15.987	105	2186	0.04	PPBV		97
94) ALPHA-METHYLSTYRENE	16.276	118	1080	0.04	PPBV		98
95) TERT-BUTYLBENZENE	16.569	134	543	0.04	PPBV		94
96) 1,2,4-TRIMETHYLBENZENE	16.578	105	2186	0.04	PPBV		95
97) BENZYL CHLORIDE	16.662	91	535	0.02	PPBV	#	61
98) M-DICHLOROBENZENE	16.636	146	1366	0.04	PPBV		94
99) P-DICHLOROBENZENE	16.730	146	1547	0.04	PPBV		97
100) O-DICHLOROBENZENE	17.041	146	1438	0.04	PPBV		96
101) SEC-BUTYLBENZENE	16.871	134	621	0.04	PPBV		88
102) 1,2,3-TRIMETHYLBENZENE	16.990	105	2316	0.04	PPBV	#	89
103) P-ISOPROPYLTOLUENE	17.064	134	687	0.04	PPBV		94
104) N-BUTYLBENZENE	17.424	134	648	0.04	PPBV		83
105) HEXACHLOROETHANE	17.604	117	508	0.03	PPBV		93
106) HEXACHLOROBUTADIENE	18.659	225	1096	0.04	PPBV		95
107) 1,2,4-TRICHLOROBENZENE	18.350	180	1301	0.04	PPBV		97
108) NAPHTHALENE	18.395	128	4007	0.04	PPBV		100
110) TVHC as equiv Pentane	2.306	TIC	3733m	0.04	PPBV		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 09:49:15 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration



Manual Integration Approval Summary

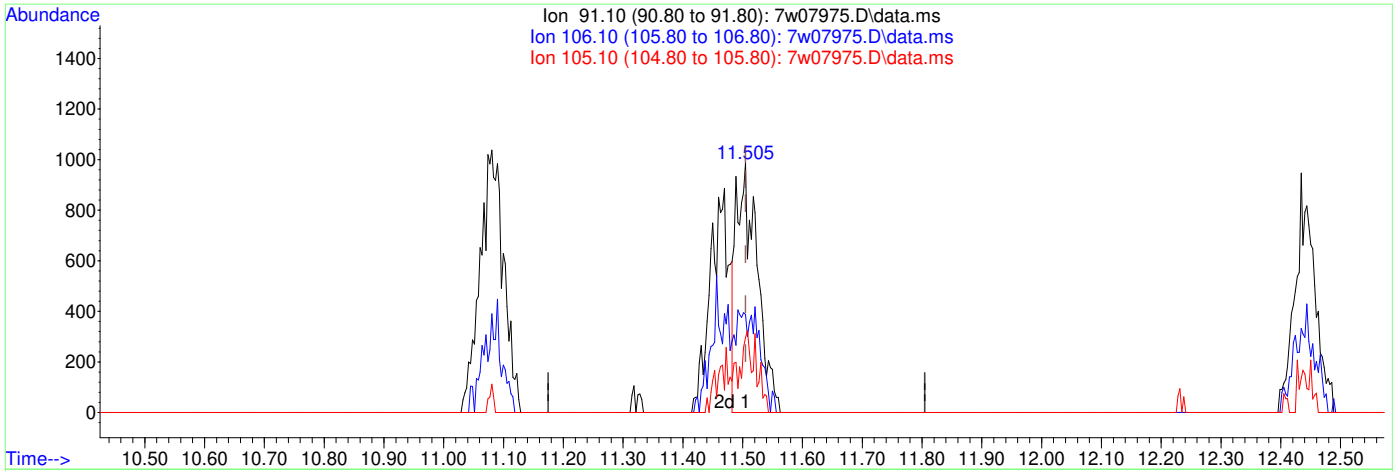
Sample Number: V7W305-IC305 **Method:** TO-15
Lab FileID: 7W07975.D **Analyst approved:** 08/19/24 10:01 Benjamin Kim
Injection Time: 08/18/24 21:40 **Supervisor approved:** 08/19/24 10:53 Kanya Veerawat

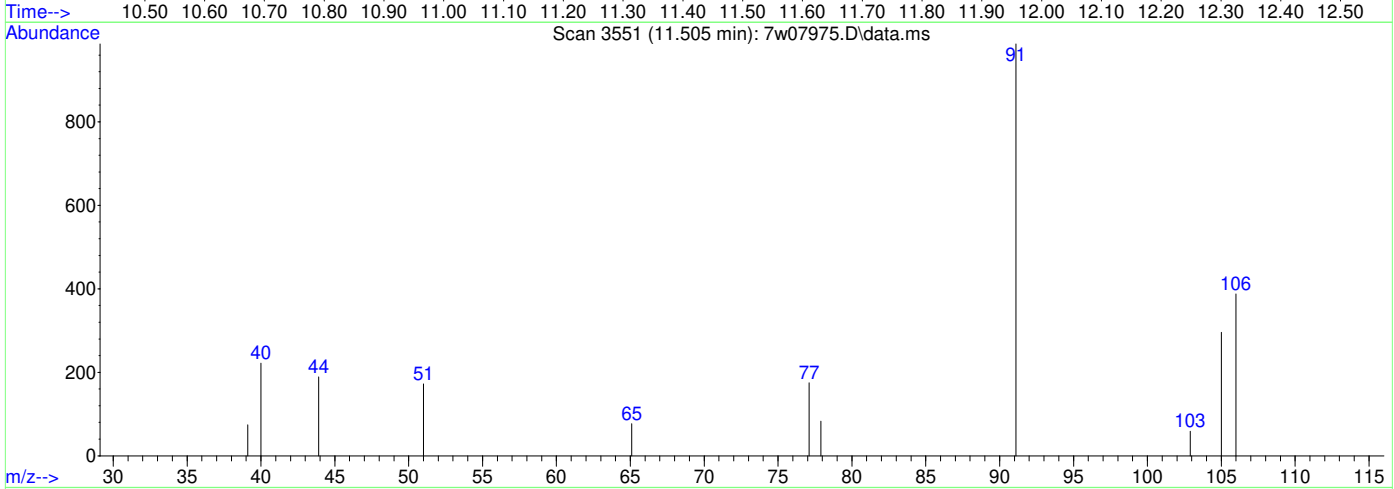
Parameter	CAS	Sig#	R.T. (min.)	Reason
TVHC As Equiv Pentane			2.31	Poor instrument integration
Bromoform	75-25-2		11.32	Split peak
m,p-Xylene			11.50	Split peak
4-Ethyltoluene	622-96-8		15.72	Split peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 03:00:44 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration





TIC: 7w07975.D\data.ms

(80) M,P-XYLENE (t)

11.505min (-0.000) 0.05PPBV

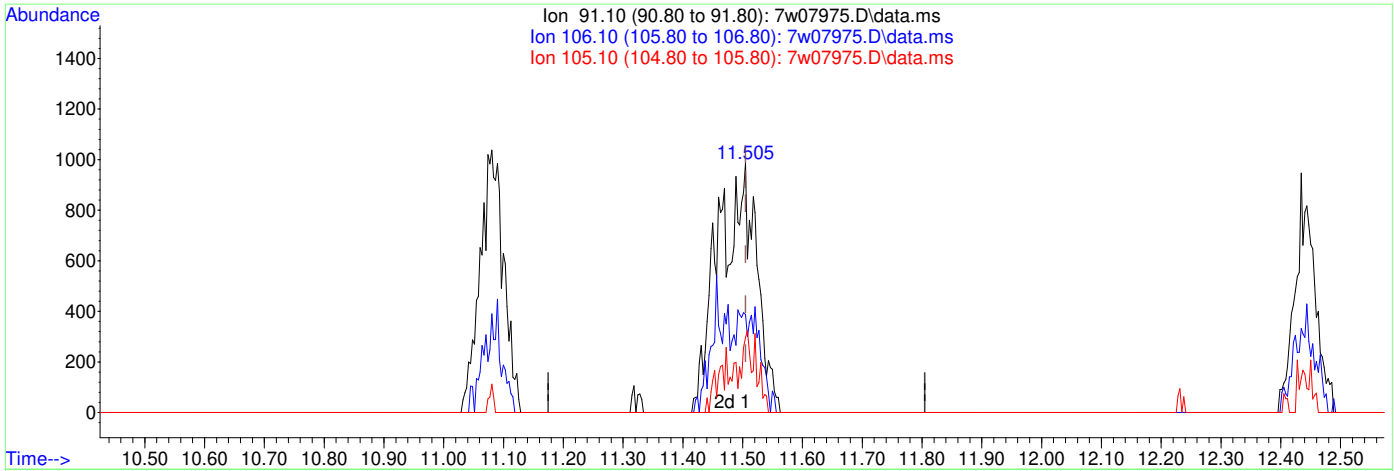
response 2415

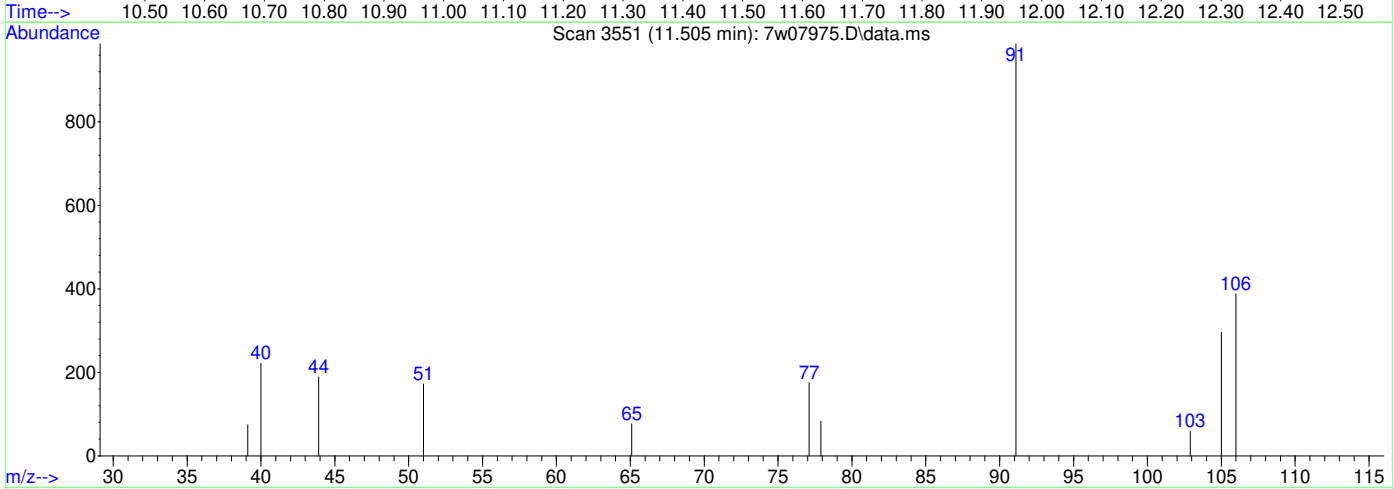
Ion	Exp%	Act%
91.10	100	100
106.10	24.00	17.97
105.10	11.30	30.39
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 03:00:44 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration





TIC: 7w07975.D\data.ms

(80) M,P-XYLENE (t)

11.505min (-0.000) 0.09PPBV m

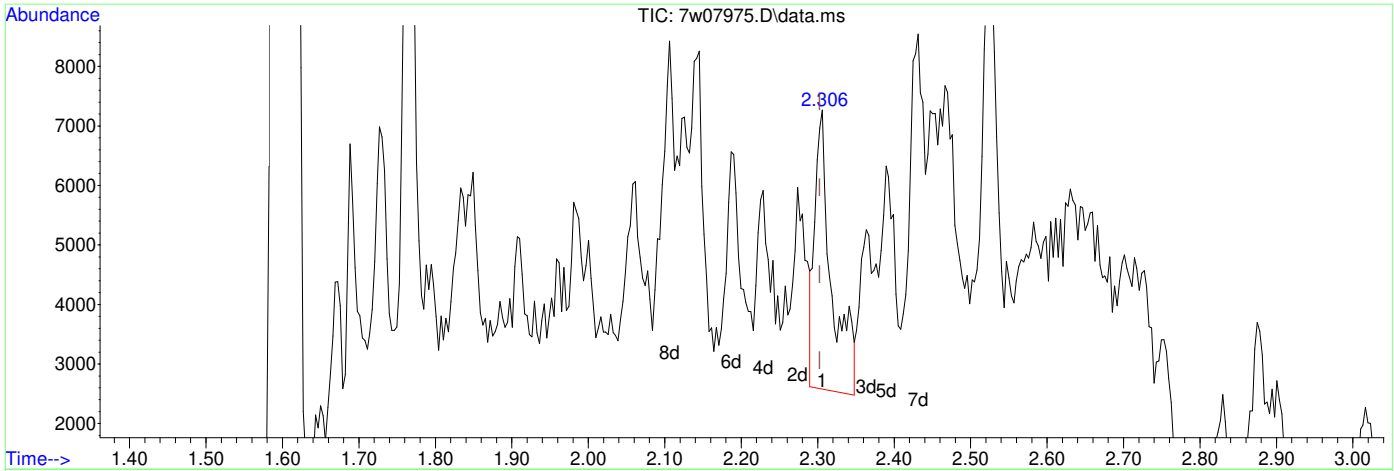
response 4346

Ion	Exp%	Act%
91.10	100	100
106.10	24.00	9.99
105.10	11.30	16.89
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 03:01:09 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration



TIC: 7w07975.D\data.ms

(110) TVHC as equiv Pentane

2.306min (+0.003) 0.08PPBV

response 7138

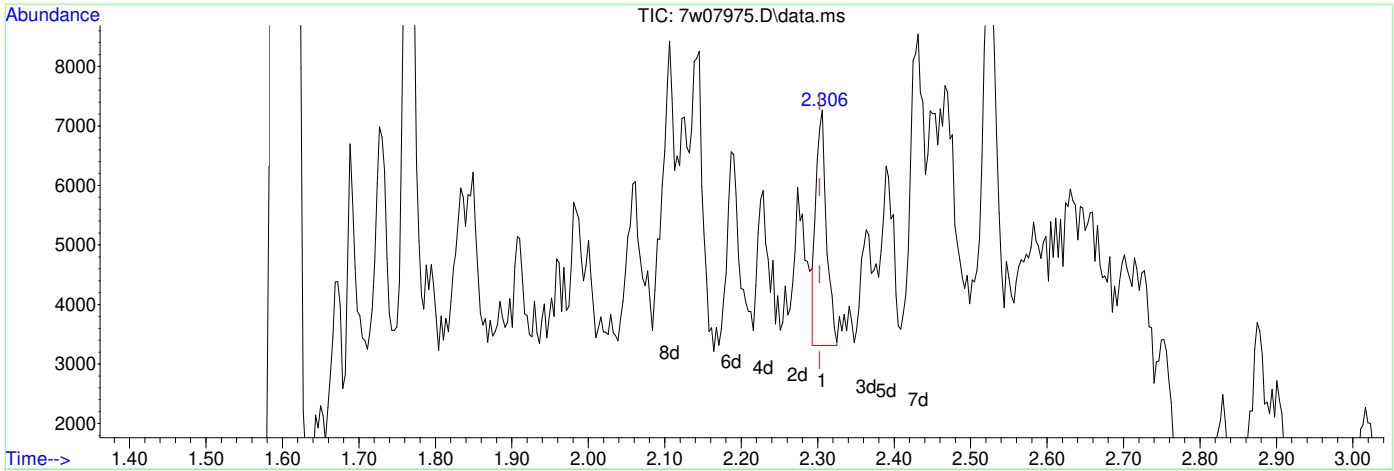
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

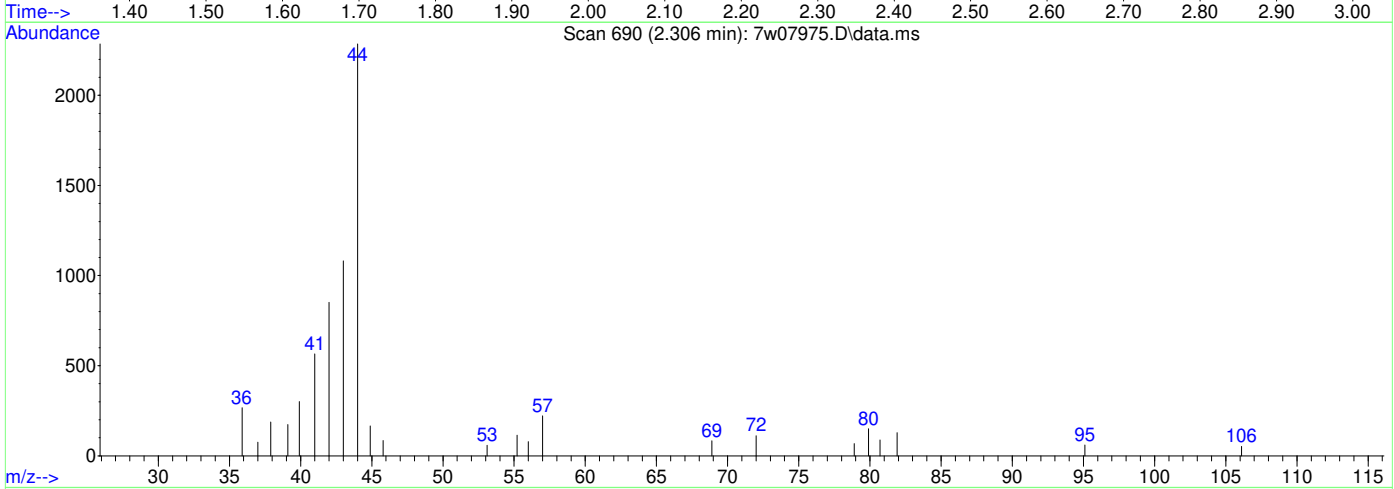
7W07975.D edits: TVHC as equiv Pentane

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 03:01:09 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration





TIC: 7w07975.D\data.ms

(110) TVHC as equiv Pentane

2.306min (+0.003) 0.04PPBV m

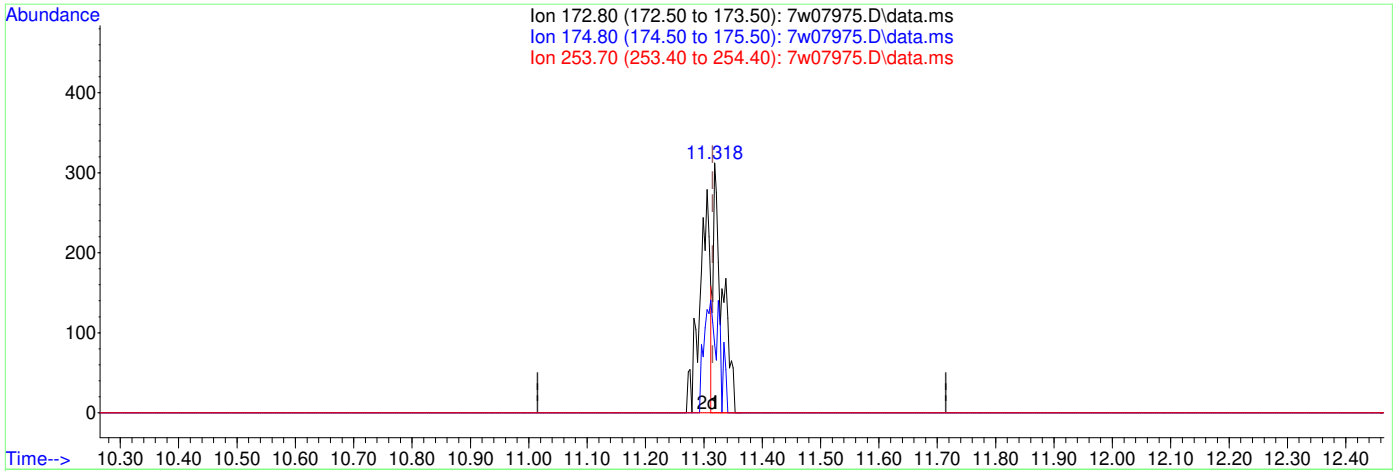
response 3733

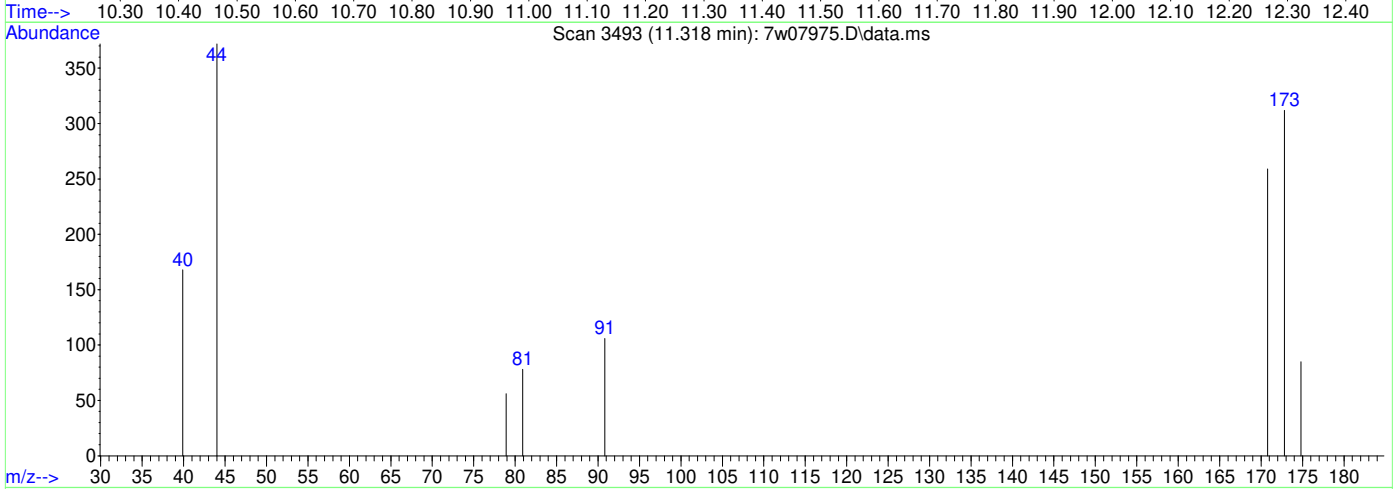
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 09:48:13 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration





TIC: 7w07975.D\data.ms

(84) BROMOFORM (T)

11.318min (+0.003) 0.02PPBV

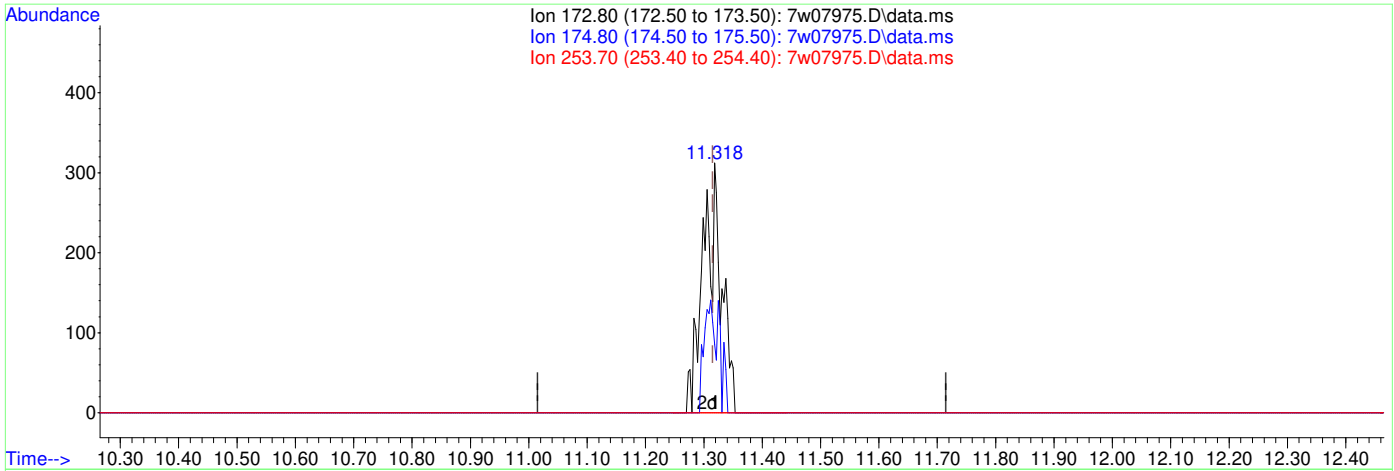
response 343

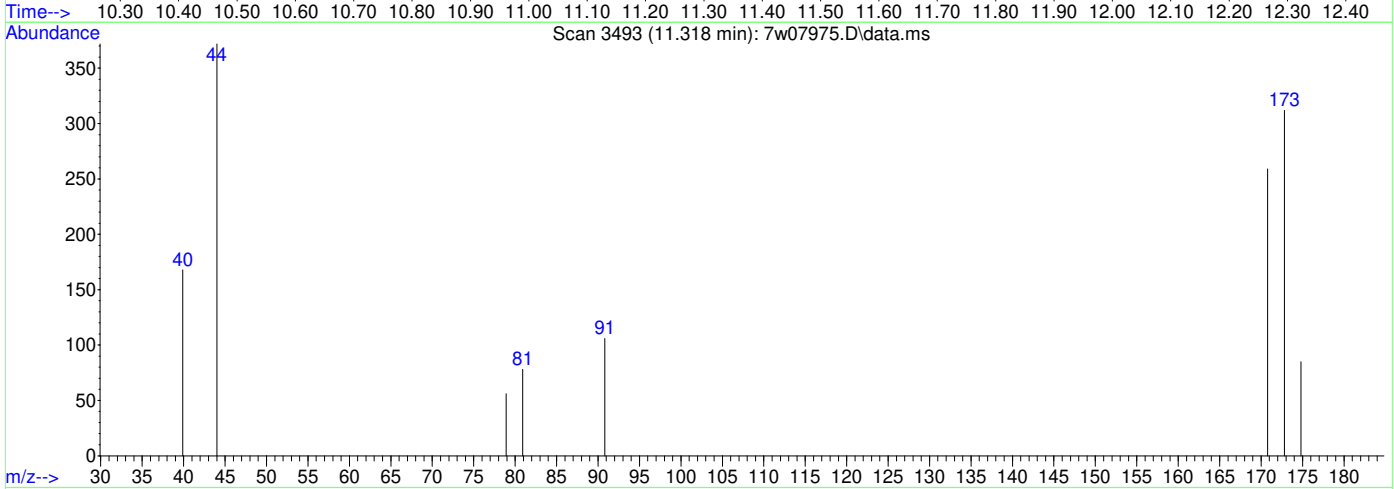
Ion	Exp%	Act%
172.80	100	100
174.80	48.30	73.76#
253.70	8.60	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 09:48:13 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration





TIC: 7w07975.D\data.ms

(84) BROMOFORM (T)

11.318min (+0.003) 0.03PPBV m

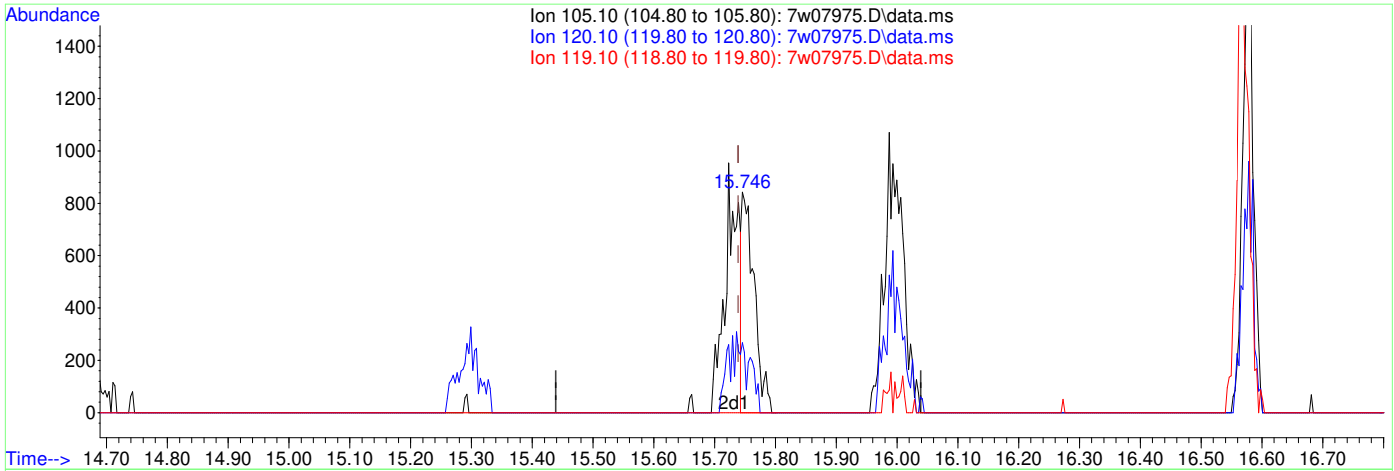
response 690

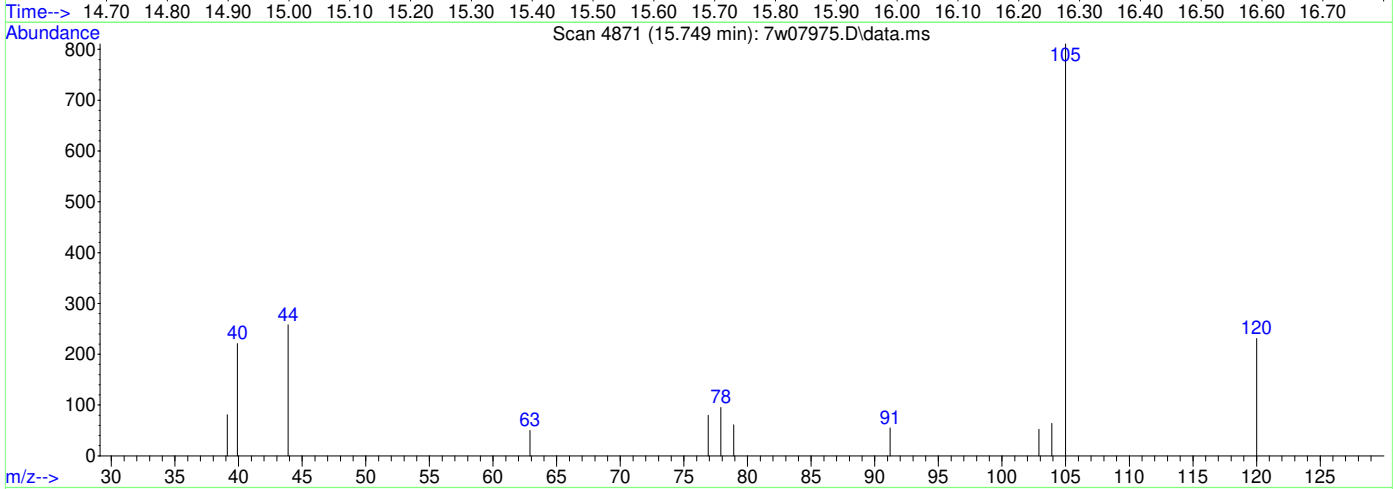
Ion	Exp%	Act%
172.80	100	100
174.80	48.30	36.67
253.70	8.60	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 09:48:13 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration





TIC: 7w07975.D\data.ms

(92) 4-ETHYLTOLUENE (T)

15.749min (+0.010) 0.02PPBV

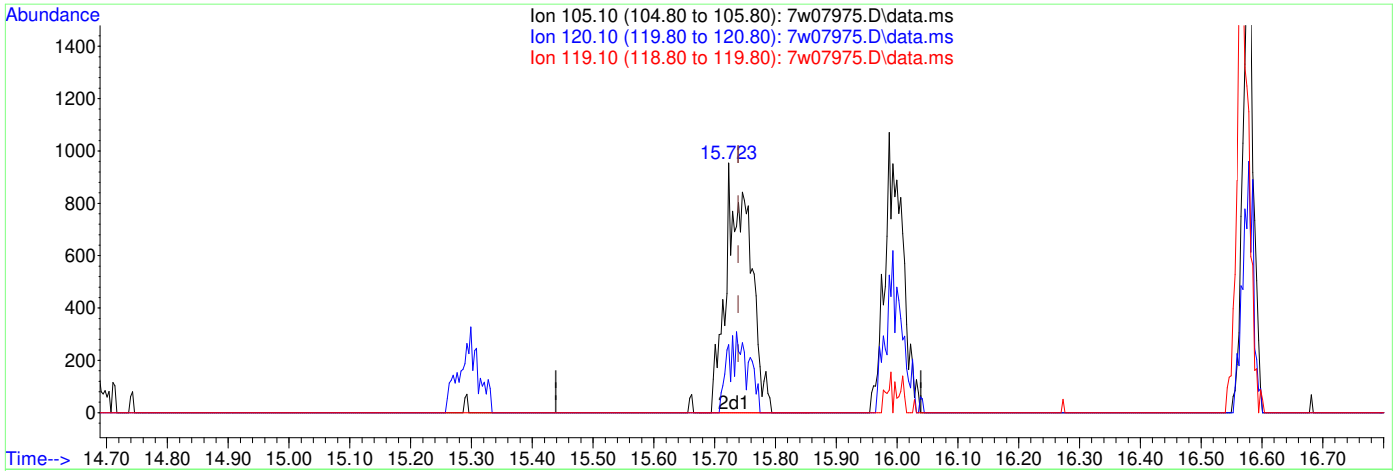
response 1190

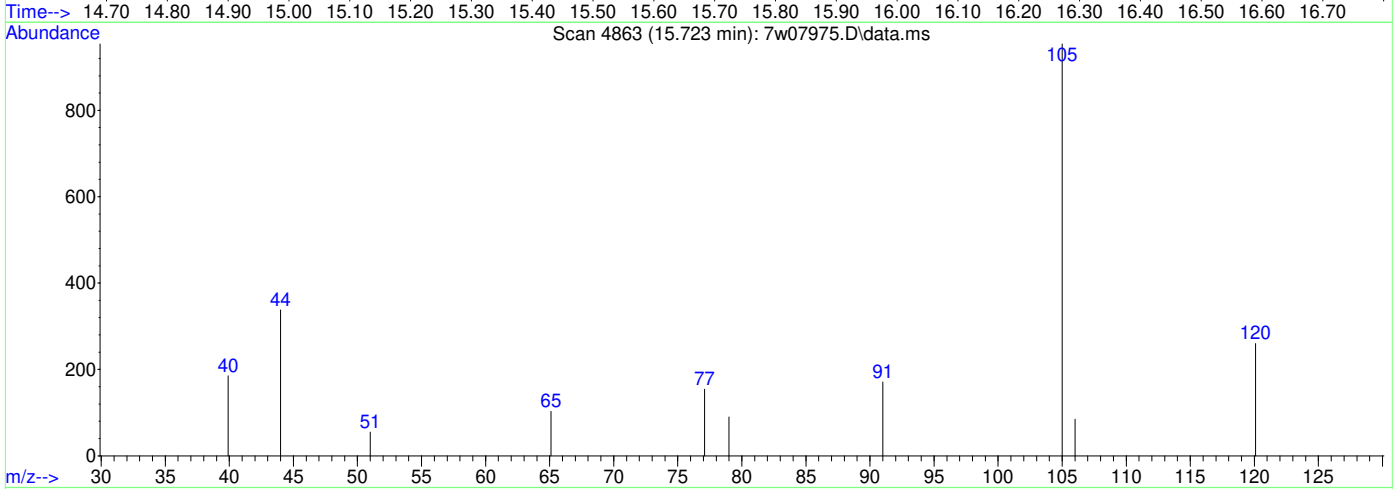
Ion	Exp%	Act%
105.10	100	100
120.10	29.90	59.66#
119.10	2.30	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 09:48:13 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration





TIC: 7w07975.D\data.ms

(92) 4-ETHYLTOLUENE (T)

15.723min (-0.016) 0.04PPBV m

response 2657

Ion	Exp%	Act%
105.10	100	100
120.10	29.90	26.72
119.10	2.30	0.00#
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 08/19/24 10:53

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07976.D
Acq On : 18 Aug 2024 10:13 pm
Operator : benk
Sample : ic305-0.10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 02:24:46 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:16 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.267	128	83993	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.547	114	426374	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.119	117	372534	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.267	128	83993	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.476	95	268355	9.65	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.618	119	1189	0.11	PPBV		97
3) FREON 152A	1.647	65	621	0.10	PPBV		99
4) CHLORODIFLUOROMETHANE	1.663	67	284	0.10	PPBV		86
5) CHLOROTRIFLUOROETHENE	1.672	116	1478	0.11	PPBV		82
6) DICHLORODIFLUOROMETHANE	1.688	85	3366	0.09	PPBV		97
7) PROPYLENE	1.672	41	1040	0.13	PPBV		91
8) 1-CHLORO-1,1-DIFLUOROE...	1.727	65	2851	0.09	PPBV	#	85
9) FREON 114	1.762	85	3135	0.10	PPBV		96
10) CHLOROMETHANE	1.737	52	472	0.09	PPBV		99
11) VINYL CHLORIDE	1.791	62	1305	0.09	PPBV	#	96
12) 1,3-BUTADIENE	1.833	54	1195	0.09	PPBV	#	79
13) N-BUTANE	1.849	43	2166	0.09	PPBV	#	55
14) BROMOMETHANE	1.907	94	1159	0.10	PPBV		99
15) CHLOROETHANE	1.958	64	645	0.08	PPBV	#	92
16) DICHLOROFLUOROMETHANE	1.984	67	2615	0.09	PPBV		90
17) ACETONITRILE	2.055	41	1535	0.10	PPBV	#	70
18) ACROLEIN	2.097	56	855	0.11	PPBV		79
19) FREON 123	2.106	83	2595	0.08	PPBV		91
20) FREON 123A	2.122	117	1623	0.09	PPBV		98
21) TRICHLOROFLUOROMETHANE	2.187	101	3104	0.09	PPBV		94
22) ISOPROPYL ALCOHOL	2.232	45	3464	0.09	PPBV	#	96
23) ACETONE	2.142	58	1367	0.13	PPBV		81
24) PENTANE	2.299	42	1690	0.09	PPBV		94
25) IODOMETHANE	2.367	142	2692	0.09	PPBV		99
26) 1,1-DICHLOROETHYLENE	2.389	96	1212	0.09	PPBV		98
27) CARBON DISULFIDE	2.524	76	3323	0.09	PPBV	#	2
28) ETHANOL	1.997	45	1564	0.18	PPBV	#	91
29) BROMOETHENE	2.061	106	1012	0.08	PPBV	#	91
30) ACRYLONITRILE	2.277	52	1142	0.09	PPBV		88
31) METHYLENE CHLORIDE	2.428	84	1614	0.13	PPBV		97
32) 3-CHLOROPROPENE	2.467	76	615	0.09	PPBV	#	34
33) FREON 113	2.524	151	1786	0.09	PPBV		95
34) TRANS-1,2-DICHLOROETHENE	2.753	96	1124	0.09	PPBV		97
35) TERTIARY BUTYL ALCOHOL	2.454	59	2814	0.09	PPBV	#	1
36) METHYL TERTIARY BUTYL ...	2.875	73	2894	0.10	PPBV	#	83
37) TETRAHYDROFURAN	3.589	72	550	0.11	PPBV		96
38) HEXANE	3.319	57	2328	0.10	PPBV		95
39) VINYL ACETATE	2.897	86	238	0.10	PPBV	#	28
40) 1,1-DICHLOROETHANE	2.827	63	2094	0.10	PPBV		97
41) METHYL ETHYL KETONE	3.013	72	631	0.12	PPBV		93
42) CIS-1,2-DICHLOROETHENE	3.190	96	1257	0.11	PPBV		95
43) DIISOPROPYL ETHER	3.338	59	665	0.11	PPBV		91
44) ETHYL ACETATE	3.348	61	500	0.11	PPBV		79
45) METHYL ACRYLATE	3.325	55	2546	0.09	PPBV		96
46) CHLOROFORM	3.338	83	2546	0.11	PPBV		96
47) 2,4-DIMETHYLPENTANE	3.830	57	2770	0.11	PPBV		97
48) 1,1,1-TRICHLOROETHANE	3.913	97	2268	0.11	PPBV		97
49) CARBON TETRACHLORIDE	4.338	117	2109	0.10	PPBV		95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07976.D
Acq On : 18 Aug 2024 10:13 pm
Operator : benk
Sample : ic305-0.10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 02:24:46 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:16 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50) 1,2-DICHLOROETHANE	3.746	62	1979	0.11	PPBV		94
51) BENZENE	4.225	78	4011	0.12	PPBV		97
53) CYCLOHEXANE	4.434	84	1594	0.11	PPBV		93
54) 2,3-DIMETHYLPENTANE	4.675	71	764	0.10	PPBV		78
55) TRICHLOROETHENE	5.122	95	1772	0.11	PPBV		93
56) 1,2-DICHLOROPROPANE	4.894	63	1565	0.11	PPBV		98
57) DIBROMOMETHANE	4.849	174	1541	0.11	PPBV		98
58) ETHYL ACRYLATE	5.029	55	3169	0.10	PPBV		98
59) BROMODICHLOROMETHANE	5.068	83	2410	0.10	PPBV		89
60) 2,2,4-TRIMETHYLPENTANE	5.212	57	7392	0.10	PPBV		96
61) 1,4-DIOXANE	5.245	88	791	0.10	PPBV	#	31
62) HEPTANE	5.534	43	2624	0.10	PPBV		98
63) METHYL METHACRYLATE	5.441	69	1358	0.10	PPBV		99
64) METHYL ISOBUTYL KETONE	6.209	58	1670	0.11	PPBV		85
65) CIS-1,3-DICHLOROPROPENE	6.064	75	1749	0.09	PPBV		95
66) TOLUENE	7.257	91	4699	0.11	PPBV		100
67) 1,3-DICHLOROPROPANE	7.322	76	2200	0.10	PPBV		94
68) TRANS-1,3-DICHLOROPROPENE	6.736	75	1161	0.07	PPBV		92
69) 1,1,2-TRICHLOROETHANE	6.894	83	1330	0.11	PPBV		97
70) 2-HEXANONE	7.891	58	2802	0.12	PPBV		98
71) ETHYL METHACRYLATE	7.990	69	2017	0.09	PPBV	#	29
72) TETRACHLOROETHENE	8.987	164	1787	0.11	PPBV		96
73) DIBROMOCHLOROMETHANE	7.791	129	2184	0.11	PPBV		96
74) 1,2-DIBROMOETHANE	8.148	107	2144	0.10	PPBV	#	93
75) OCTANE	9.145	43	4023	0.11	PPBV		97
77) 1,1,1,2-TETRACHLOROETHANE	10.212	131	1614	0.10	PPBV		98
78) CHLOROBENZENE	10.196	112	3946	0.12	PPBV		98
79) ETHYLBENZENE	11.077	91	6395	0.11	PPBV		98
80) M,P-XYLENE	11.502	91	9776m	0.24	PPBV		
81) O-XYLENE	12.444	91	5001	0.12	PPBV		96
82) STYRENE	12.231	104	3528	0.11	PPBV		97
83) NONANE	13.569	43	4019	0.11	PPBV		98
84) BROMOFORM	11.309	173	1656	0.09	PPBV	#	94
85) 1,1,2,2-TETRACHLOROETHANE	12.453	83	3311	0.11	PPBV	#	27
86) 1,2,3-TRICHLOROPROPANE	12.730	75	2751	0.12	PPBV	#	99
88) ISOPROPYLBENZENE	13.964	120	1945	0.12	PPBV		89
89) BROMOBENZENE	13.813	77	3458	0.11	PPBV		95
90) 2-CHLOROTOLUENE	14.948	126	1559	0.11	PPBV		93
91) N-PROPYLBENZENE	15.292	120	1817	0.11	PPBV	#	78
92) 4-ETHYLTOLUENE	15.743	105	6120	0.10	PPBV	#	75
93) 1,3,5-TRIMETHYLBENZENE	16.000	105	5446	0.10	PPBV		97
94) ALPHA-METHYLSTYRENE	16.267	118	2523	0.09	PPBV		98
95) TERT-BUTYLBENZENE	16.572	134	1313	0.10	PPBV		98
96) 1,2,4-TRIMETHYLBENZENE	16.578	105	5507	0.09	PPBV		97
97) BENZYL CHLORIDE	16.669	91	1270	0.05	PPBV		98
98) M-DICHLOROBENZENE	16.636	146	3586	0.10	PPBV		93
99) P-DICHLOROBENZENE	16.733	146	3820	0.10	PPBV		100
100) O-DICHLOROBENZENE	17.041	146	3498	0.10	PPBV		98
101) SEC-BUTYLBENZENE	16.878	134	1720	0.10	PPBV		90
102) 1,2,3-TRIMETHYLBENZENE	16.990	105	5572	0.10	PPBV		97
103) P-ISOPROPYLTOLUENE	17.061	134	1842	0.10	PPBV		91
104) N-BUTYLBENZENE	17.427	134	1626	0.09	PPBV		90
105) HEXACHLOROETHANE	17.604	117	1235	0.07	PPBV		96
106) HEXACHLOROBUTADIENE	18.656	225	2528	0.10	PPBV		98
107) 1,2,4-TRICHLOROBENZENE	18.350	180	3381	0.14	PPBV		97
108) NAPHTHALENE	18.395	128	9159	0.16	PPBV		98
110) TVHC as equiv Pentane	2.303	TIC	8184	0.10	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07976.D
Acq On : 18 Aug 2024 10:13 pm
Operator : benk
Sample : ic305-0.10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 02:24:46 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:16 2024
Response via : Initial Calibration

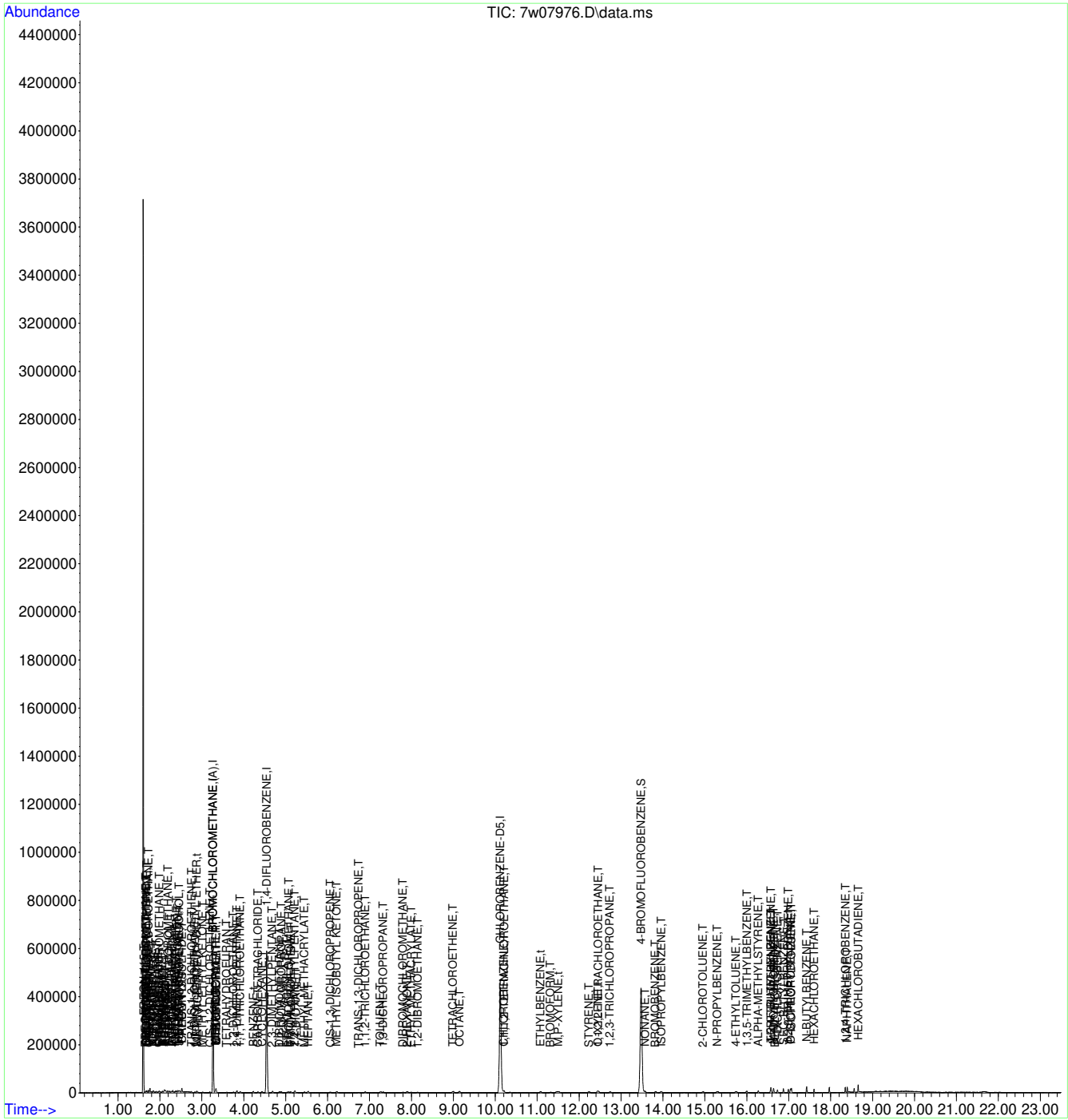
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07976.D
Acq On : 18 Aug 2024 10:13 pm
Operator : benk
Sample : ic305-0.10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 02:24:46 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:16 2024
Response via : Initial Calibration



Manual Integration Approval Summary

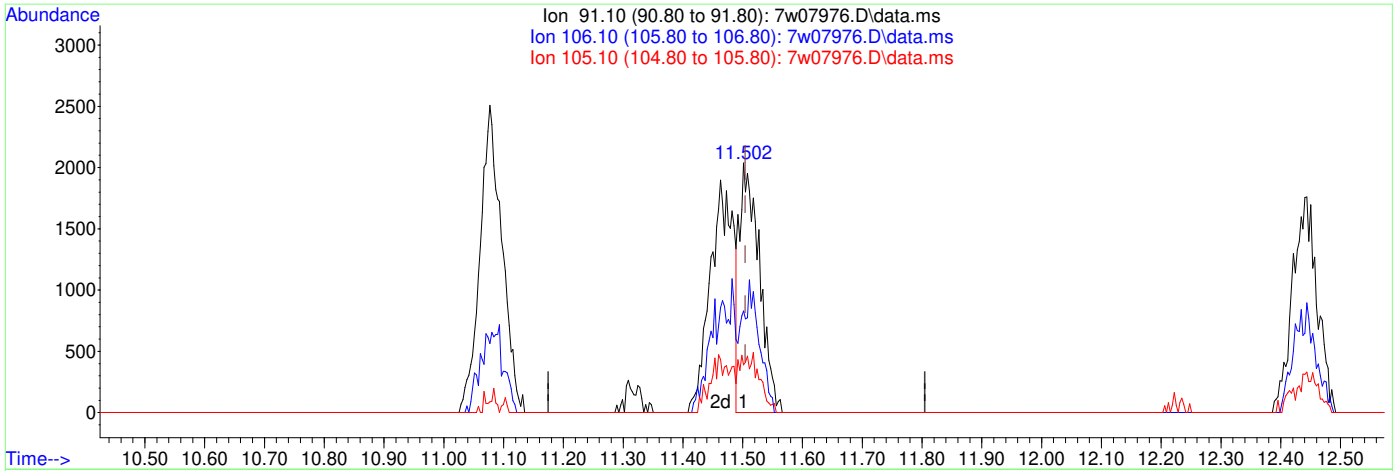
Sample Number:	V7W305-IC305	**Method:**	TO-15
Lab FileID:	7W07976.D	**Analyst approved:**	08/19/24 09:06 Benjamin Kim
Injection Time:	08/18/24 22:13	**Supervisor approved:**	08/19/24 10:53 Kanya Veerawat

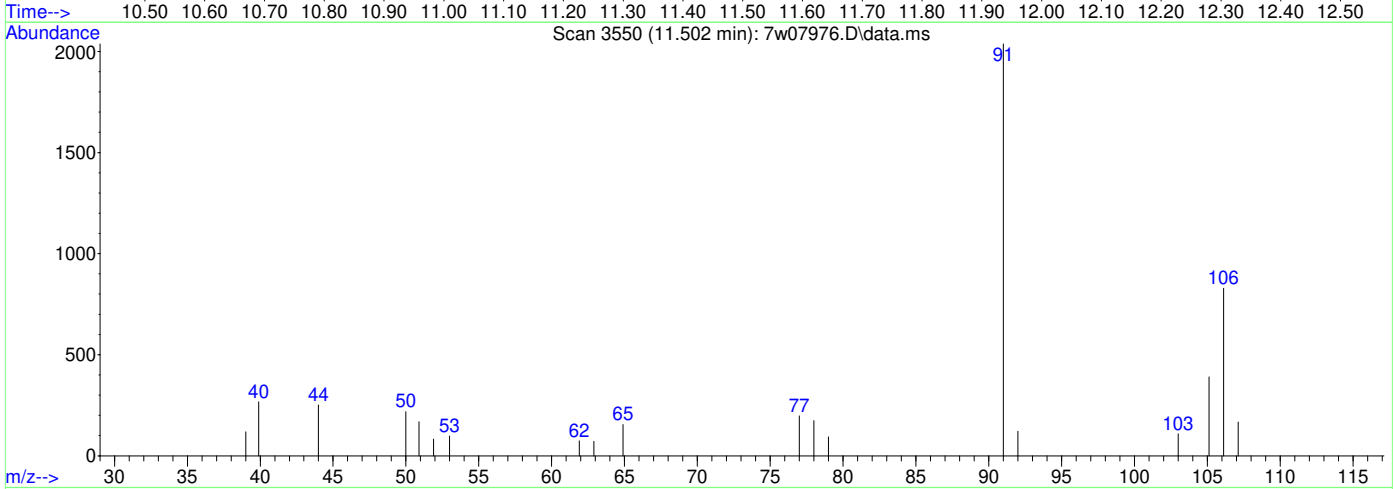
Parameter	CAS	Sig#	R.T. (min.)	Reason
m,p-Xylene			11.50	Split peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07976.D
Acq On : 18 Aug 2024 10:13 pm
Operator : benk
Sample : ic305-0.10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 00:49:26 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:16 2024
Response via : Initial Calibration





TIC: 7w07976.D\data.ms

(80) M,P-XYLENE (t)

11.502min (-0.003) 0.11PPBV

response 4741

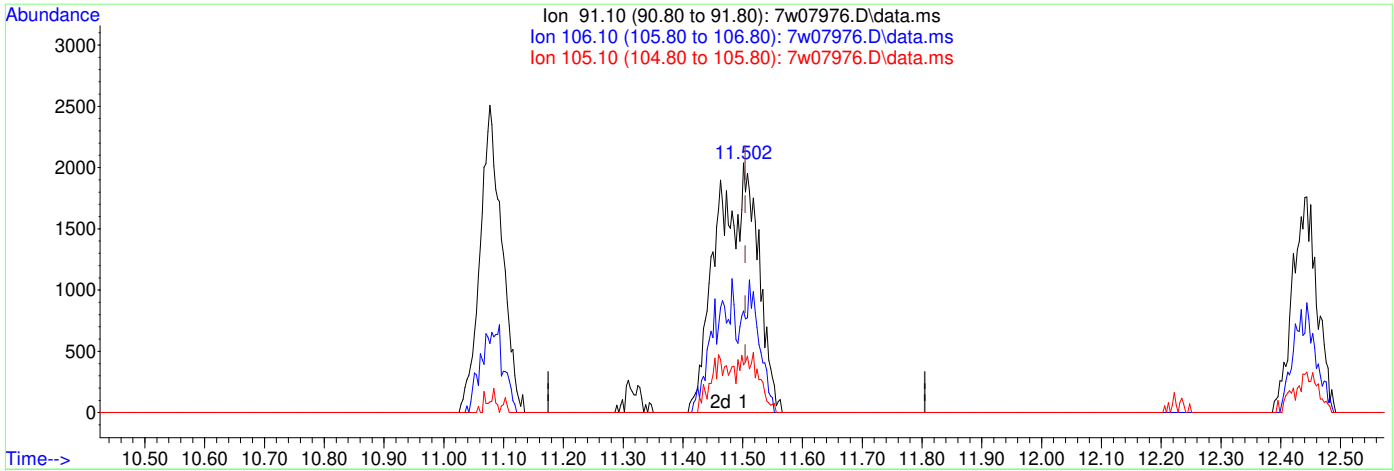
Ion	Exp%	Act%
91.10	100	100
106.10	24.00	41.55
105.10	11.30	23.24
0.00	0.00	0.00

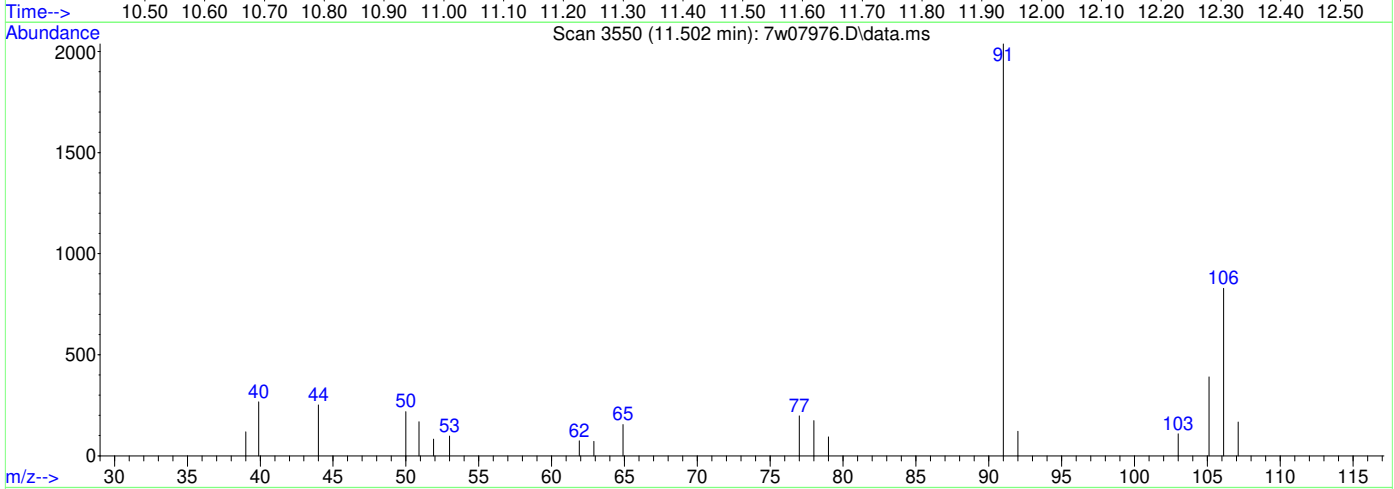
7W07976.D edits: M,P-XYLENE

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07976.D
Acq On : 18 Aug 2024 10:13 pm
Operator : benk
Sample : ic305-0.10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 00:49:26 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:16 2024
Response via : Initial Calibration





TIC: 7w07976.D\data.ms

(80) M,P-XYLENE (t)

11.502min (-0.003) 0.24PPBV m

response 9776

Ion	Exp%	Act%
91.10	100	100
106.10	24.00	20.15
105.10	11.30	11.27
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 08/19/24 10:53

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07977.D
Acq On : 18 Aug 2024 10:49 pm
Operator : benk
Sample : ic305-0.20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 02:24:09 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:32 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.267	128	81591	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.547	114	417480	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.122	117	367012	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.267	128	81591	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.479	95	264802	9.63	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.618	119	2326	0.21	PPBV		94
3) FREON 152A	1.647	65	1163	0.19	PPBV		92
4) CHLORODIFLUOROMETHANE	1.656	67	602	0.23	PPBV		87
5) CHLOROTRIFLUOROETHENE	1.673	116	2630	0.21	PPBV		99
6) DICHLORODIFLUOROMETHANE	1.685	85	6840	0.19	PPBV		98
7) PROPYLENE	1.669	41	1717	0.21	PPBV		94
8) 1-CHLORO-1,1-DIFLUOROE...	1.724	65	5757	0.18	PPBV		91
9) FREON 114	1.759	85	5769	0.18	PPBV		98
10) CHLOROMETHANE	1.727	52	850	0.17	PPBV		99
11) VINYL CHLORIDE	1.791	62	2663	0.18	PPBV		96
12) 1,3-BUTADIENE	1.830	54	2375	0.19	PPBV		94
13) N-BUTANE	1.846	43	4070	0.17	PPBV	#	79
14) BROMOMETHANE	1.907	94	2219	0.19	PPBV		98
15) CHLOROETHANE	1.955	64	1401	0.17	PPBV		92
16) DICHLOROFLUOROMETHANE	1.981	67	5439	0.19	PPBV		99
17) ACETONITRILE	2.055	41	3149	0.21	PPBV		93
18) ACROLEIN	2.094	56	1372	0.19	PPBV		89
19) FREON 123	2.103	83	5470	0.17	PPBV		98
20) FREON 123A	2.123	117	3145	0.18	PPBV		96
21) TRICHLOROFLUOROMETHANE	2.187	101	5923	0.18	PPBV		97
22) ISOPROPYL ALCOHOL	2.226	45	6150	0.16	PPBV		100
23) ACETONE	2.139	58	2159	0.22	PPBV		100
24) PENTANE	2.299	42	3022	0.16	PPBV		96
25) IODOMETHANE	2.361	142	5432	0.18	PPBV		98
26) 1,1-DICHLOROETHYLENE	2.390	96	2330	0.18	PPBV		98
27) CARBON DISULFIDE	2.525	76	6551	0.18	PPBV	#	31
28) ETHANOL	2.000	45	2022	0.24	PPBV		87
29) BROMOETHENE	2.058	106	2034	0.17	PPBV	#	96
30) ACRYLONITRILE	2.277	52	2439	0.18	PPBV		94
31) METHYLENE CHLORIDE	2.425	84	2696	0.22	PPBV		94
32) 3-CHLOROPROPENE	2.470	76	1256	0.18	PPBV	#	56
33) FREON 113	2.521	151	3632	0.19	PPBV		98
34) TRANS-1,2-DICHLOROETHENE	2.750	96	2164	0.18	PPBV		93
35) TERTIARY BUTYL ALCOHOL	2.451	59	5152	0.16	PPBV	#	60
36) METHYL TERTIARY BUTYL ...	2.872	73	5623	0.21	PPBV	#	94
37) TETRAHYDROFURAN	3.582	72	1097	0.23	PPBV		95
38) HEXANE	3.322	57	4465	0.20	PPBV		96
39) VINYL ACETATE	2.907	86	442	0.19	PPBV	#	41
40) 1,1-DICHLOROETHANE	2.827	63	4233	0.21	PPBV		100
41) METHYL ETHYL KETONE	3.013	72	1161	0.22	PPBV		89
42) CIS-1,2-DICHLOROETHENE	3.190	96	2366	0.22	PPBV		97
43) DIISOPROPYL ETHER	3.338	59	1113	0.18	PPBV		76
44) ETHYL ACETATE	3.344	61	910	0.22	PPBV	#	94
45) METHYL ACRYLATE	3.325	55	4855	0.19	PPBV	#	25
46) CHLOROFORM	3.338	83	4898	0.22	PPBV		96
47) 2,4-DIMETHYLPENTANE	3.836	57	4922	0.20	PPBV		96
48) 1,1,1-TRICHLOROETHANE	3.910	97	4147	0.20	PPBV		98
49) CARBON TETRACHLORIDE	4.338	117	4013	0.20	PPBV		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07977.D
Acq On : 18 Aug 2024 10:49 pm
Operator : benk
Sample : ic305-0.20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 02:24:09 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:32 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	3.746	62	3831	0.22	PPBV		98
51)	BENZENE	4.222	78	7289	0.22	PPBV		98
53)	CYCLOHEXANE	4.434	84	3089	0.22	PPBV		95
54)	2,3-DIMETHYLPENTANE	4.682	71	1631	0.22	PPBV		93
55)	TRICHLOROETHENE	5.119	95	3128	0.21	PPBV		95
56)	1,2-DICHLOROPROPANE	4.888	63	2838	0.20	PPBV		95
57)	DIBROMOMETHANE	4.846	174	2782	0.20	PPBV		95
58)	ETHYL ACRYLATE	5.020	55	6089	0.20	PPBV		99
59)	BROMODICHLOROMETHANE	5.065	83	4748	0.20	PPBV		95
60)	2,2,4-TRIMETHYLPENTANE	5.216	57	14752	0.21	PPBV		98
61)	1,4-DIOXANE	5.222	88	2233	0.23	PPBV	#	1
62)	HEPTANE	5.534	43	5290	0.21	PPBV		97
63)	METHYL METHACRYLATE	5.441	69	2733	0.22	PPBV		98
64)	METHYL ISOBUTYL KETONE	6.216	58	3415	0.22	PPBV		98
65)	CIS-1,3-DICHLOROPROPENE	6.061	75	3343	0.18	PPBV		95
66)	TOLUENE	7.264	91	9195	0.22	PPBV		100
67)	1,3-DICHLOROPROPANE	7.319	76	4502	0.22	PPBV		98
68)	TRANS-1,3-DICHLOROPROPENE	6.737	75	2208	0.14	PPBV		90
69)	1,1,2-TRICHLOROETHANE	6.891	83	2480	0.21	PPBV		97
70)	2-HEXANONE	7.888	58	5066	0.18	PPBV		93
71)	ETHYL METHACRYLATE	7.984	69	4055	0.20	PPBV		98
72)	TETRACHLOROETHENE	8.991	164	3549	0.22	PPBV		96
73)	DIBROMOCHLOROMETHANE	7.794	129	4142	0.21	PPBV		100
74)	1,2-DIBROMOETHANE	8.135	107	4391	0.22	PPBV	#	98
75)	OCTANE	9.135	43	7595	0.22	PPBV		97
77)	1,1,1,2-TETRACHLOROETHANE	10.209	131	2986	0.19	PPBV		98
78)	CHLOROBENZENE	10.199	112	7462	0.23	PPBV		97
79)	ETHYLBENZENE	11.077	91	12480	0.20	PPBV		96
80)	M,P-XYLENE	11.498	91	18766m	0.43	PPBV		
81)	O-XYLENE	12.447	91	9653	0.23	PPBV		87
82)	STYRENE	12.235	104	6881	0.23	PPBV		100
83)	NONANE	13.563	43	7639	0.22	PPBV		96
84)	BROMOFORM	11.322	173	3470	0.19	PPBV		99
85)	1,1,2,2-TETRACHLOROETHANE	12.453	83	6952	0.23	PPBV		97
86)	1,2,3-TRICHLOROPROPANE	12.740	75	5179	0.22	PPBV	#	99
88)	ISOPROPYLBENZENE	13.958	120	3629	0.22	PPBV		97
89)	BROMOBENZENE	13.820	77	6828	0.23	PPBV		97
90)	2-CHLOROTOLUENE	14.955	126	3019	0.20	PPBV		99
91)	N-PROPYLBENZENE	15.305	120	3589	0.22	PPBV		95
92)	4-ETHYLTOLUENE	15.746	105	13103	0.20	PPBV	#	100
93)	1,3,5-TRIMETHYLBENZENE	15.993	105	10844	0.20	PPBV		98
94)	ALPHA-METHYLSTYRENE	16.267	118	5388	0.20	PPBV		97
95)	TERT-BUTYLBENZENE	16.569	134	2559	0.18	PPBV		99
96)	1,2,4-TRIMETHYLBENZENE	16.575	105	11120	0.19	PPBV		98
97)	BENZYL CHLORIDE	16.665	91	2497	0.10	PPBV		96
98)	M-DICHLOROBENZENE	16.640	146	7185	0.20	PPBV		99
99)	P-DICHLOROBENZENE	16.730	146	7542	0.20	PPBV		98
100)	O-DICHLOROBENZENE	17.042	146	7199	0.20	PPBV		100
101)	SEC-BUTYLBENZENE	16.874	134	3121	0.19	PPBV		94
102)	1,2,3-TRIMETHYLBENZENE	16.990	105	11396	0.20	PPBV	#	96
103)	P-ISOPROPYLTOLUENE	17.067	134	3732	0.21	PPBV		91
104)	N-BUTYLBENZENE	17.427	134	3509	0.21	PPBV		98
105)	HEXACHLOROETHANE	17.601	117	2451	0.14	PPBV		97
106)	HEXACHLOROBUTADIENE	18.656	225	4955	0.20	PPBV		99
107)	1,2,4-TRICHLOROBENZENE	18.347	180	6745	0.33	PPBV		98
108)	NAPHTHALENE	18.395	128	18097	0.38	PPBV		99
110)	TVHC as equiv Pentane	2.303	TIC	17481	0.21	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07977.D
Acq On : 18 Aug 2024 10:49 pm
Operator : benk
Sample : ic305-0.20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 02:24:09 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:32 2024
Response via : Initial Calibration

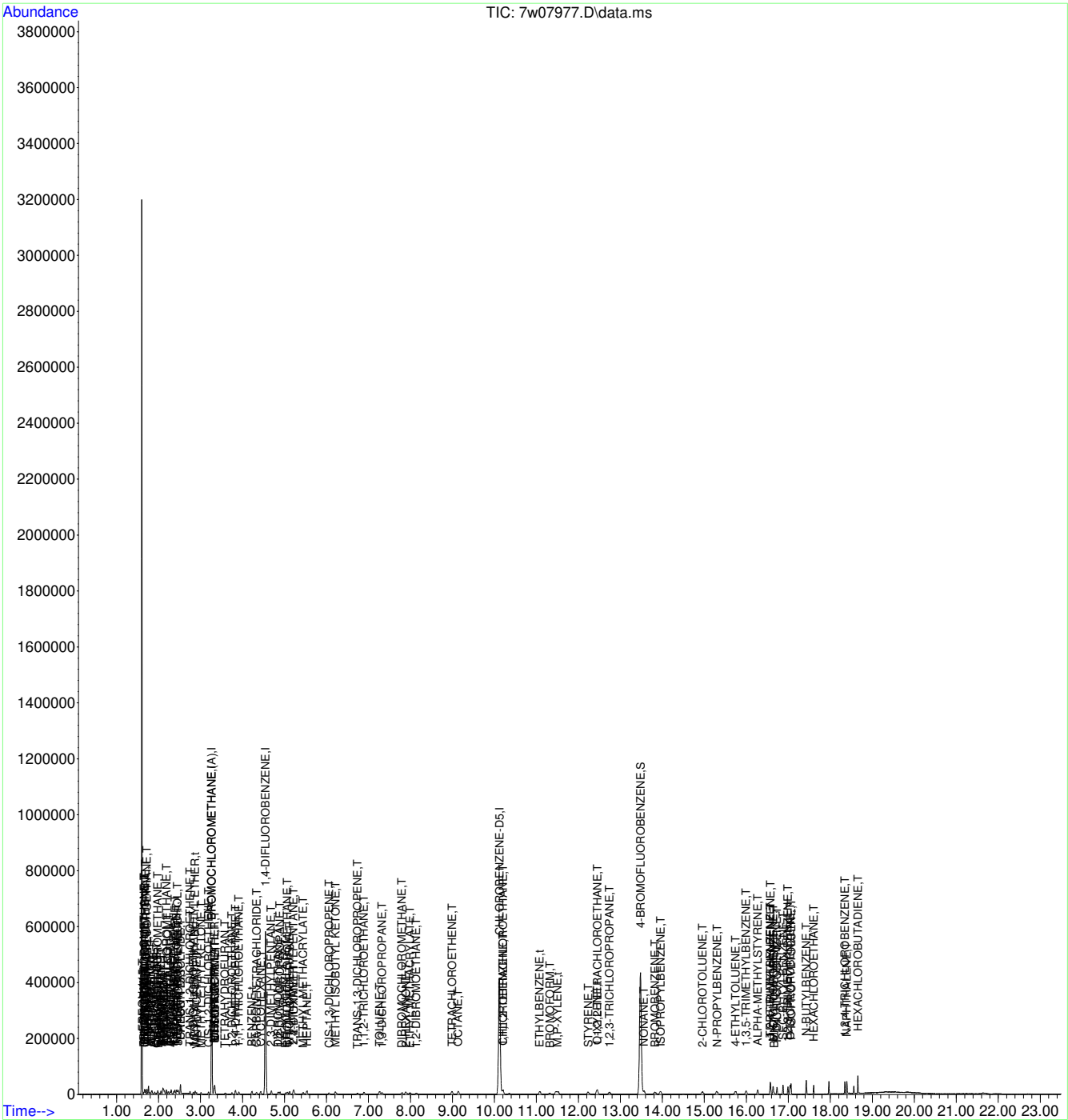
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07977.D
Acq On : 18 Aug 2024 10:49 pm
Operator : benk
Sample : ic305-0.20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 02:24:09 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:32 2024
Response via : Initial Calibration



Manual Integration Approval Summary

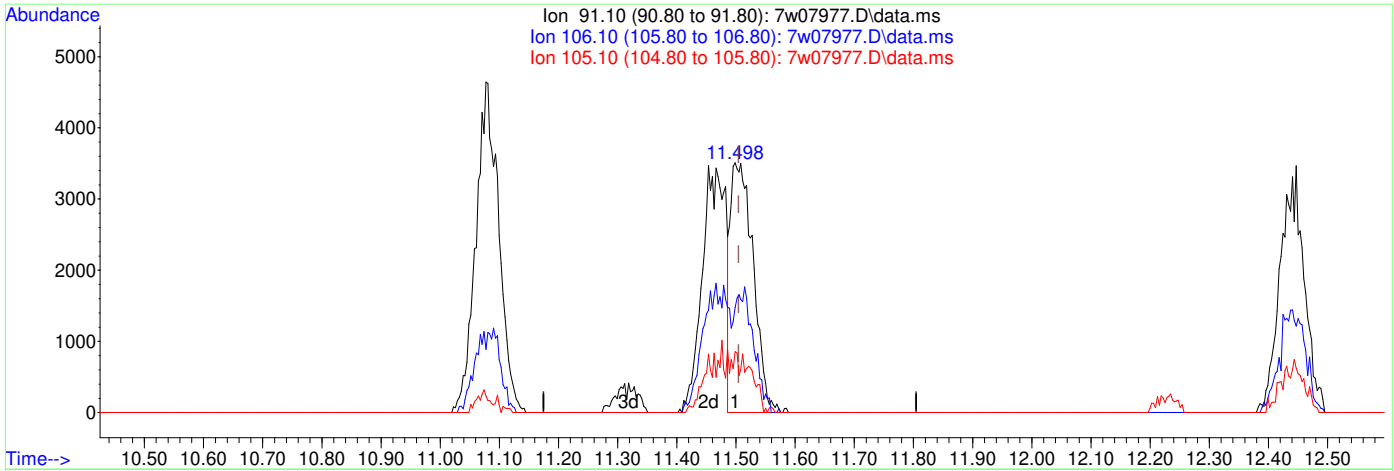
Sample Number:	V7W305-IC305	**Method:**	TO-15
Lab FileID:	7W07977.D	**Analyst approved:**	08/19/24 09:06 Benjamin Kim
Injection Time:	08/18/24 22:49	**Supervisor approved:**	08/19/24 10:53 Kanya Veerawat

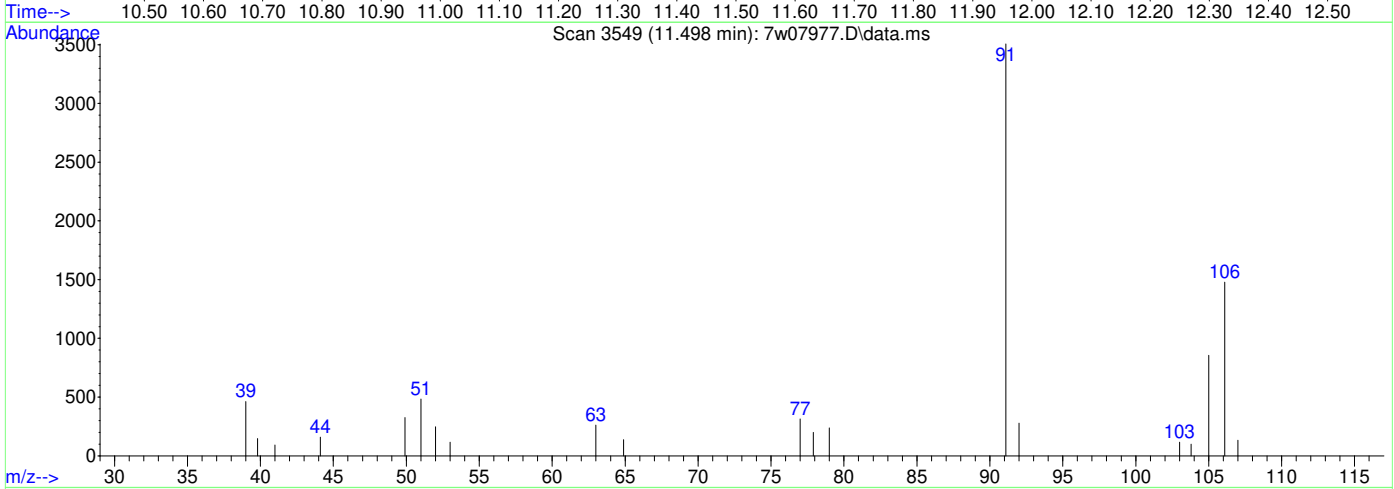
Parameter	CAS	Sig#	R.T. (min.)	Reason
m,p-Xylene			11.50	Split peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07977.D
Acq On : 18 Aug 2024 10:49 pm
Operator : benk
Sample : ic305-0.20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 00:48:57 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:32 2024
Response via : Initial Calibration





TIC: 7w07977.D\data.ms

(80) M,P-XYLENE (t)

11.498min (-0.006) 0.22PPBV

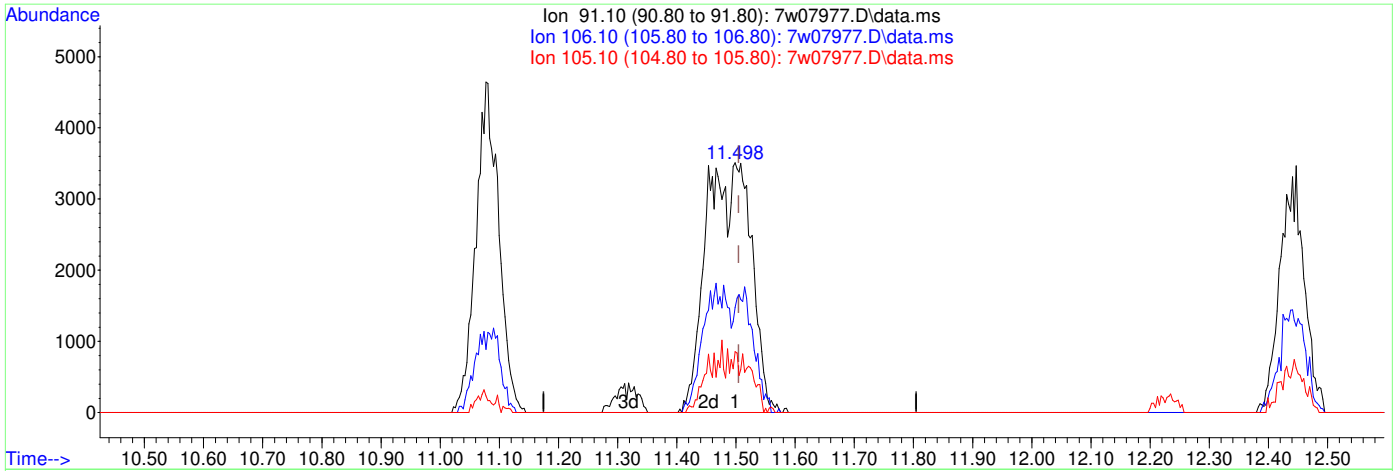
response 9375

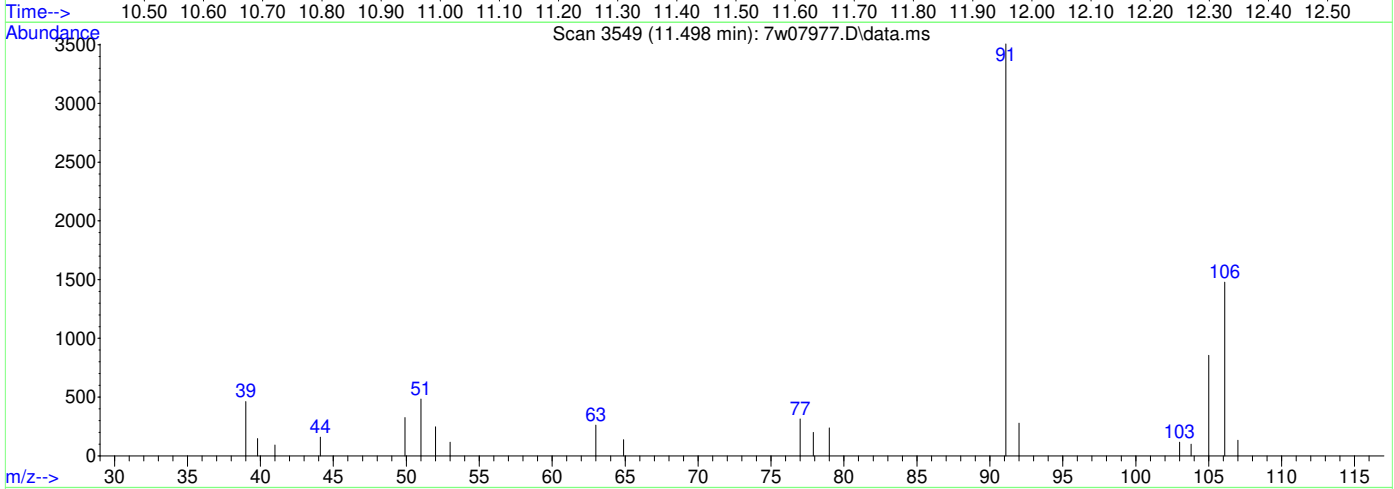
Ion	Exp%	Act%
91.10	100	100
106.10	24.00	41.98
105.10	11.30	13.41
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07977.D
Acq On : 18 Aug 2024 10:49 pm
Operator : benk
Sample : ic305-0.20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 00:48:57 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:32 2024
Response via : Initial Calibration





TIC: 7w07977.D\data.ms

(80) M,P-XYLENE (t)

11.498min (-0.006) 0.43PPBV m

response 18766

Ion	Exp%	Act%
91.10	100	100
106.10	24.00	20.97
105.10	11.30	6.70
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 08/19/24 10:53

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07978.D
Acq On : 18 Aug 2024 11:22 pm
Operator : benk
Sample : ic305-0.50
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 09:50:56 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:01 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.267	128	79966	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.547	114	410941	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.119	117	362110	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.267	128	79966	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.482	95	262037	9.71	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.615	119	5861	0.54	PPBV		96
3) FREON 152A	1.644	65	3003	0.50	PPBV		95
4) CHLORODIFLUOROMETHANE	1.656	67	1485	0.58	PPBV		100
5) CHLOROTRIFLUOROETHENE	1.669	116	6805	0.55	PPBV		92
6) DICHLORODIFLUOROMETHANE	1.685	85	16795	0.46	PPBV		99
7) PROPYLENE	1.666	41	3977	0.50	PPBV		97
8) 1-CHLORO-1,1-DIFLUOROE...	1.724	65	14549	0.46	PPBV		96
9) FREON 114	1.759	85	15134	0.48	PPBV		99
10) CHLOROMETHANE	1.730	52	2035	0.41	PPBV		95
11) VINYL CHLORIDE	1.792	62	6673	0.44	PPBV		99
12) 1,3-BUTADIENE	1.830	54	5500	0.43	PPBV		95
13) N-BUTANE	1.846	43	10568	0.42	PPBV	#	90
14) BROMOMETHANE	1.907	94	5484	0.48	PPBV		99
15) CHLOROETHANE	1.956	64	3547	0.44	PPBV		94
16) DICHLOROFLUOROMETHANE	1.981	67	13608	0.47	PPBV		99
17) ACETONITRILE	2.052	41	6551	0.44	PPBV		92
18) ACROLEIN	2.094	56	3046	0.40	PPBV		95
19) FREON 123	2.103	83	13299	0.42	PPBV		99
20) FREON 123A	2.119	117	8058	0.46	PPBV		98
21) TRICHLOROFLUOROMETHANE	2.184	101	15424	0.46	PPBV		99
22) ISOPROPYL ALCOHOL	2.226	45	14044	0.37	PPBV		99
23) ACETONE	2.139	58	4080	0.40	PPBV		97
24) PENTANE	2.303	42	7472	0.39	PPBV		98
25) IODOMETHANE	2.361	142	13827	0.46	PPBV		99
26) 1,1-DICHLOROETHYLENE	2.390	96	5730	0.43	PPBV		97
27) CARBON DISULFIDE	2.525	76	16067	0.43	PPBV	#	66
28) ETHANOL	1.994	45	4627	0.45	PPBV	#	97
29) BROMOETHENE	2.058	106	5247	0.44	PPBV		96
30) ACRYLONITRILE	2.274	52	5669	0.41	PPBV		94
31) METHYLENE CHLORIDE	2.425	84	5894	0.48	PPBV		95
32) 3-CHLOROPROPENE	2.470	76	2755	0.38	PPBV	#	37
33) FREON 113	2.521	151	8992	0.46	PPBV		99
34) TRANS-1,2-DICHLOROETHENE	2.753	96	5687	0.48	PPBV		99
35) TERTIARY BUTYL ALCOHOL	2.444	59	13081	0.39	PPBV	#	64
36) METHYL TERTIARY BUTYL ...	2.872	73	13772	0.51	PPBV		95
37) TETRAHYDROFURAN	3.576	72	2595	0.57	PPBV		96
38) HEXANE	3.319	57	10976	0.50	PPBV		98
39) VINYL ACETATE	2.898	86	1009	0.43	PPBV	#	29
40) 1,1-DICHLOROETHANE	2.827	63	10432	0.51	PPBV		100
41) METHYL ETHYL KETONE	3.010	72	2909	0.56	PPBV		96
42) CIS-1,2-DICHLOROETHENE	3.190	96	6101	0.59	PPBV		93
43) DIISOPROPYL ETHER	3.338	59	3049	0.51	PPBV		98
44) ETHYL ACETATE	3.341	61	2059	0.51	PPBV		90
45) METHYL ACRYLATE	3.322	55	12344	0.48	PPBV		97
46) CHLOROFORM	3.341	83	12161	0.57	PPBV		97
47) 2,4-DIMETHYLPENTANE	3.833	57	12901	0.55	PPBV		99
48) 1,1,1-TRICHLOROETHANE	3.910	97	10591	0.52	PPBV		98
49) CARBON TETRACHLORIDE	4.335	117	10121	0.53	PPBV		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07978.D
Acq On : 18 Aug 2024 11:22 pm
Operator : benk
Sample : ic305-0.50
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 09:50:56 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:01 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	3.746	62	9567	0.57	PPBV		98
51)	BENZENE	4.219	78	17995	0.55	PPBV		99
53)	CYCLOHEXANE	4.431	84	7811	0.56	PPBV		99
54)	2,3-DIMETHYLPENTANE	4.685	71	4068	0.57	PPBV		100
55)	TRICHLOROETHENE	5.119	95	8046	0.54	PPBV		98
56)	1,2-DICHLOROPROPANE	4.888	63	7243	0.52	PPBV		98
57)	DIBROMOMETHANE	4.849	174	6875	0.51	PPBV		98
58)	ETHYL ACRYLATE	5.023	55	14562	0.49	PPBV		99
59)	BROMODICHLOROMETHANE	5.068	83	11794	0.51	PPBV		91
60)	2,2,4-TRIMETHYLPENTANE	5.213	57	35817	0.52	PPBV		99
61)	1,4-DIOXANE	5.209	88	5137	0.55	PPBV	#	6
62)	HEPTANE	5.534	43	12581	0.52	PPBV		99
63)	METHYL METHACRYLATE	5.441	69	6275	0.51	PPBV		98
64)	METHYL ISOBUTYL KETONE	6.196	58	7744	0.52	PPBV		98
65)	CIS-1,3-DICHLOROPROPENE	6.058	75	8234	0.44	PPBV		96
66)	TOLUENE	7.261	91	22485	0.55	PPBV		100
67)	1,3-DICHLOROPROPANE	7.322	76	11161	0.55	PPBV		99
68)	TRANS-1,3-DICHLOROPROPENE	6.743	75	5585	0.36	PPBV		94
69)	1,1,2-TRICHLOROETHANE	6.894	83	6324	0.55	PPBV		99
70)	2-HEXANONE	7.878	58	12049	0.43	PPBV		98
71)	ETHYL METHACRYLATE	7.981	69	9663	0.47	PPBV		95
72)	TETRACHLOROETHENE	8.997	164	7989	0.51	PPBV		98
73)	DIBROMOCHLOROMETHANE	7.795	129	10588	0.54	PPBV		98
74)	1,2-DIBROMOETHANE	8.132	107	10784	0.55	PPBV	#	100
75)	OCTANE	9.139	43	17732	0.53	PPBV		99
77)	1,1,1,2-TETRACHLOROETHANE	10.203	131	7115	0.46	PPBV		99
78)	CHLOROBENZENE	10.200	112	18568	0.58	PPBV		97
79)	ETHYLBENZENE	11.081	91	30468	0.51	PPBV		99
80)	M,P-XYLENE	11.508	91	46842m	1.05	PPBV		
81)	O-XYLENE	12.444	91	23828	0.59	PPBV		94
82)	STYRENE	12.225	104	17160	0.60	PPBV		99
83)	NONANE	13.560	43	19013	0.55	PPBV		98
84)	BROMOFORM	11.315	173	9340	0.52	PPBV		97
85)	1,1,2,2-TETRACHLOROETHANE	12.450	83	16754	0.57	PPBV		98
86)	1,2,3-TRICHLOROPROPANE	12.736	75	13531	0.60	PPBV	#	99
88)	ISOPROPYLBENZENE	13.945	120	8698	0.54	PPBV		96
89)	BROMOBENZENE	13.820	77	17048	0.58	PPBV		97
90)	2-CHLOROTOLUENE	14.955	126	8051	0.55	PPBV		99
91)	N-PROPYLBENZENE	15.302	120	9156	0.58	PPBV		100
92)	4-ETHYLTOLUENE	15.746	105	32633	0.53	PPBV	#	97
93)	1,3,5-TRIMETHYLBENZENE	15.994	105	27233	0.51	PPBV		99
94)	ALPHA-METHYLSTYRENE	16.267	118	13680	0.52	PPBV		96
95)	TERT-BUTYLBENZENE	16.569	134	6648	0.48	PPBV		97
96)	1,2,4-TRIMETHYLBENZENE	16.579	105	28271	0.50	PPBV		98
97)	BENZYL CHLORIDE	16.666	91	6446	0.26	PPBV		97
98)	M-DICHLOROBENZENE	16.640	146	18160	0.52	PPBV		99
99)	P-DICHLOROBENZENE	16.730	146	18687	0.53	PPBV		99
100)	O-DICHLOROBENZENE	17.042	146	17767	0.53	PPBV		99
101)	SEC-BUTYLBENZENE	16.875	134	8265	0.51	PPBV		95
102)	1,2,3-TRIMETHYLBENZENE	16.990	105	27828	0.52	PPBV		100
103)	P-ISOPROPYLTOLUENE	17.064	134	8738	0.50	PPBV		97
104)	N-BUTYLBENZENE	17.424	134	8723	0.53	PPBV		100
105)	HEXACHLOROETHANE	17.604	117	6412	0.37	PPBV		99
106)	HEXACHLOROBUTADIENE	18.659	225	12496	0.54	PPBV		99
107)	1,2,4-TRICHLOROBENZENE	18.350	180	16068	0.91	PPBV		98
108)	NAPHTHALENE	18.395	128	47796	1.26	PPBV		100
110)	TVHC as equiv Pentane	2.303	TIC	40854	0.48	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07978.D
Acq On : 18 Aug 2024 11:22 pm
Operator : benk
Sample : ic305-0.50
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 09:50:56 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:01 2024
Response via : Initial Calibration

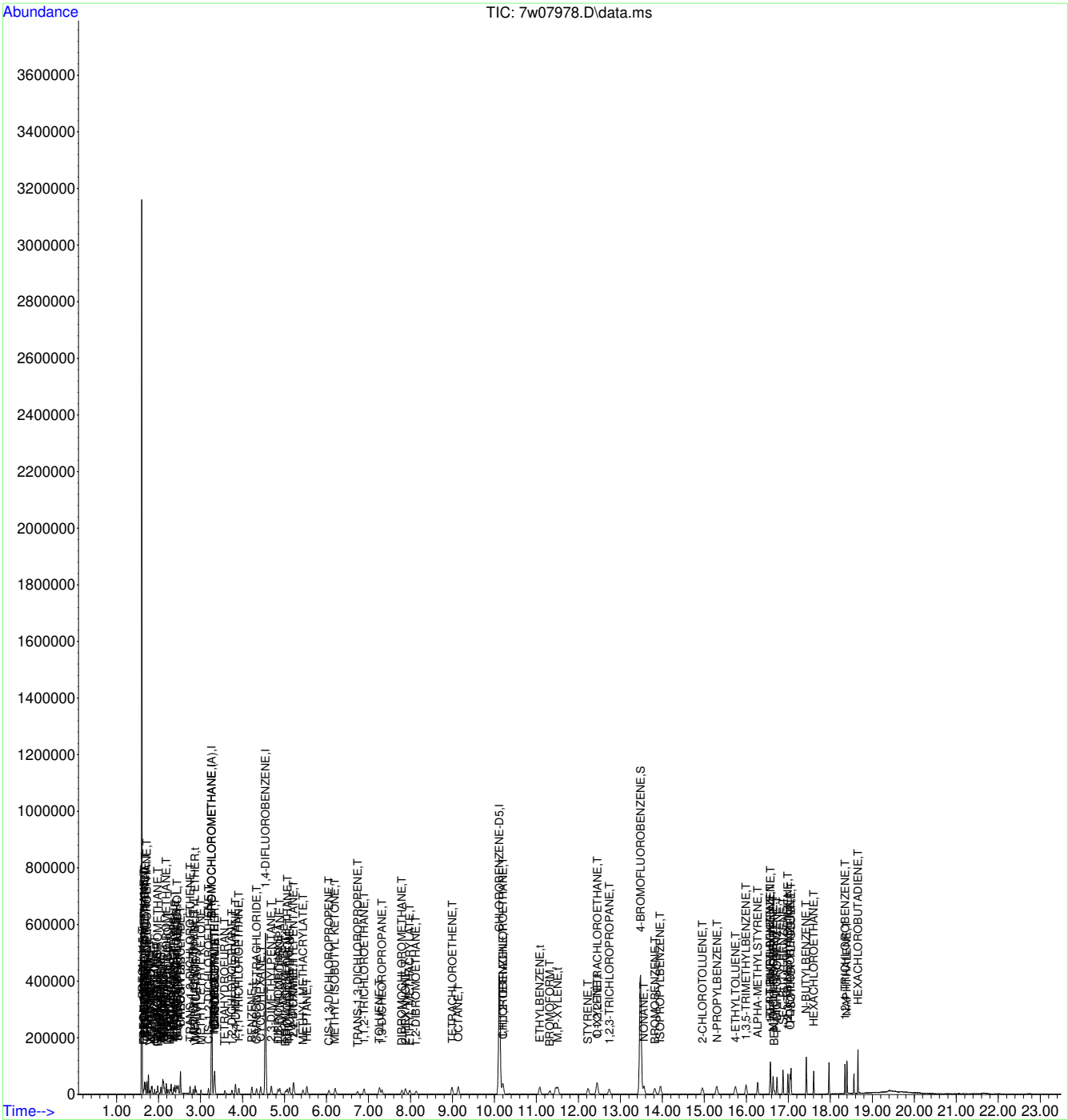
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07978.D
Acq On : 18 Aug 2024 11:22 pm
Operator : benk
Sample : ic305-0.50
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 09:50:56 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:01 2024
Response via : Initial Calibration



Manual Integration Approval Summary

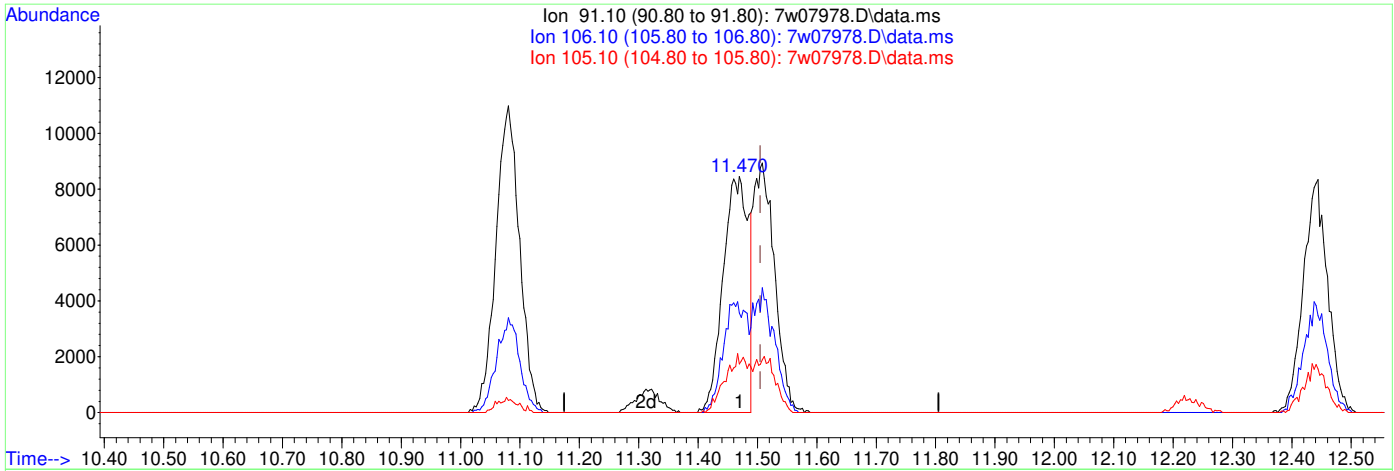
Sample Number:	V7W305-IC305	**Method:**	TO-15
Lab FileID:	7W07978.D	**Analyst approved:**	08/19/24 10:01 Benjamin Kim
Injection Time:	08/18/24 23:22	**Supervisor approved:**	08/19/24 10:53 Kanya Veerawat

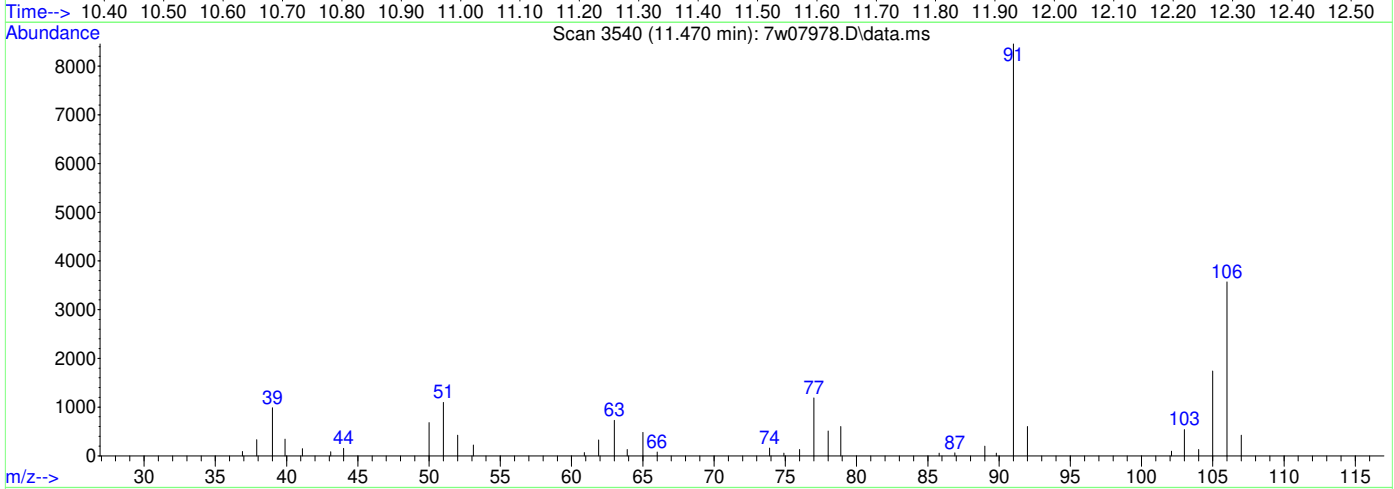
Parameter	CAS	Sig#	R.T. (min.)	Reason
m,p-Xylene			11.51	Split peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07978.D
Acq On : 18 Aug 2024 11:22 pm
Operator : benk
Sample : ic305-0.50
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 00:48:15 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:01 2024
Response via : Initial Calibration





TIC: 7w07978.D\data.ms

(80) M,P-XYLENE (t)

11.470min (-0.035) 0.56PPBV

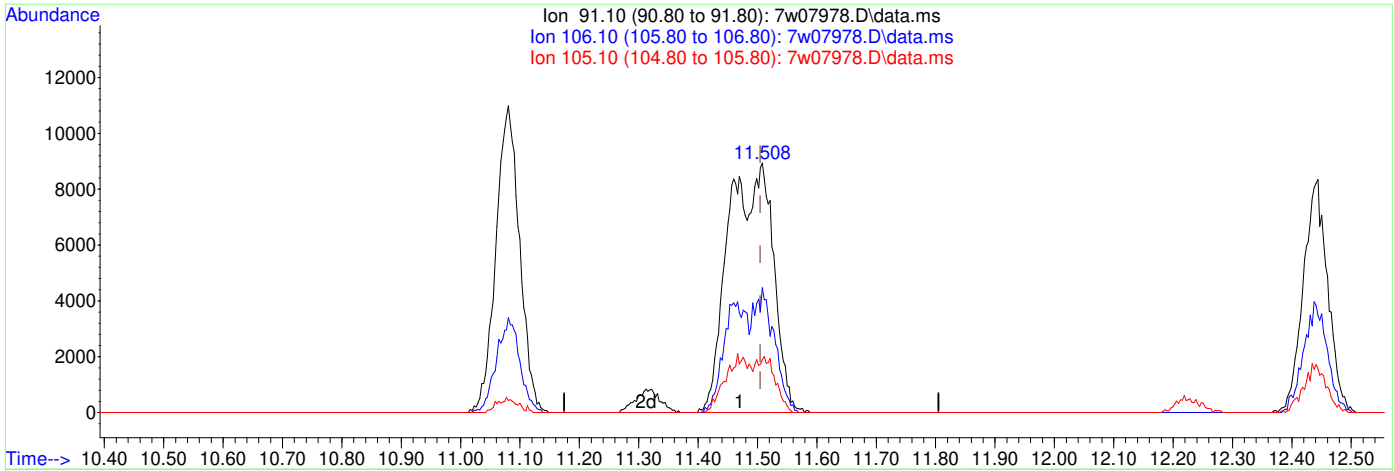
response 25047

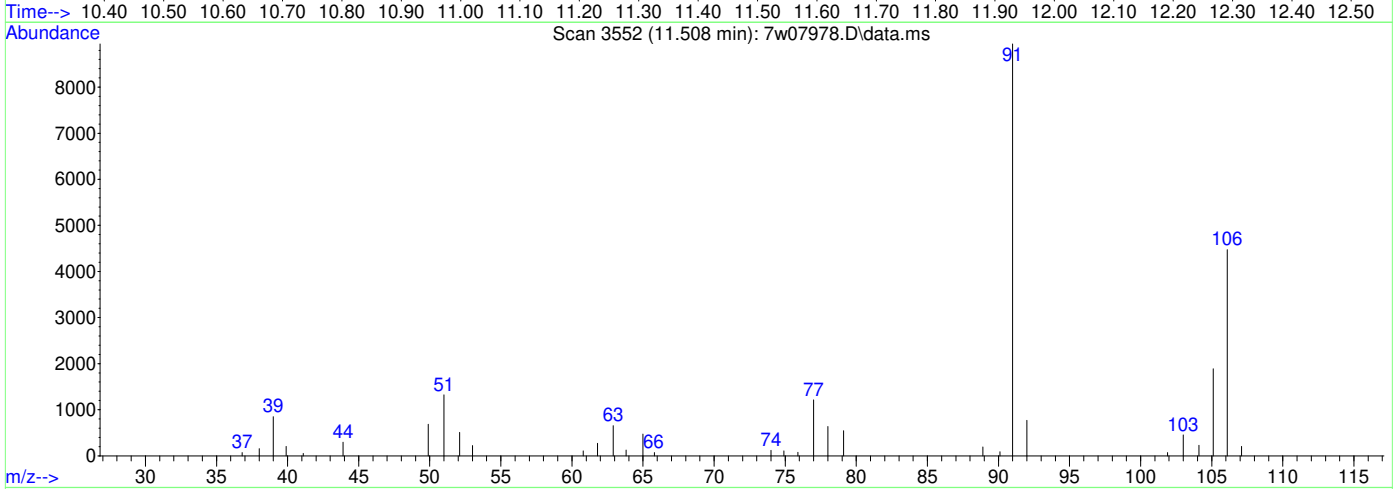
Ion	Exp%	Act%
91.10	100	100
106.10	24.00	46.05
105.10	11.30	22.58
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07978.D
Acq On : 18 Aug 2024 11:22 pm
Operator : benk
Sample : ic305-0.50
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 00:48:15 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:01 2024
Response via : Initial Calibration





TIC: 7w07978.D\data.ms

(80) M,P-XYLENE (t)

11.508min (+0.003) 1.05PPBV m

response 46842

Ion	Exp%	Act%
91.10	100	100
106.10	24.00	24.63
105.10	11.30	12.07
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 08/19/24 10:53

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07979.D
Acq On : 19 Aug 2024 12:01 am
Operator : benk
Sample : ic305-5
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 04:18:27 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Jul 22 10:39:47 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.267	128	81466	10.00	PPBV	# 0.00
52) 1,4-DIFLUOROBENZENE	4.547	114	410025	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.119	117	361102	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.267	128	81464	10.00	PPBV	# 0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.479	95	265954	9.38	PPBV	0.00
Target Compounds						Qvalue
2) FREON 115	1.618	119	27379	2.27	PPBV	97
3) FREON 152A	1.647	65	29000	4.67	PPBV	99
4) CHLORODIFLUOROMETHANE	1.659	67	13506	5.10	PPBV	96
5) CHLOROTRIFLUOROETHENE	1.672	116	64600	5.12	PPBV	85
6) DICHLORODIFLUOROMETHANE	1.688	85	169247	4.50	PPBV	98
7) PROPYLENE	1.669	41	38377	4.63	PPBV	99
8) 1-CHLORO-1,1-DIFLUOROE...	1.727	65	140419	4.23	PPBV	96
9) FREON 114	1.762	85	149365	4.52	PPBV	98
10) CHLOROMETHANE	1.733	52	19771	3.76	PPBV	100
11) VINYL CHLORIDE	1.795	62	65999	4.14	PPBV	99
12) 1,3-BUTADIENE	1.833	54	54080	3.99	PPBV	98
13) N-BUTANE	1.849	43	100820	3.83	PPBV	98
14) BROMOMETHANE	1.910	94	51811	4.31	PPBV	99
15) CHLOROETHANE	1.958	64	34723	4.05	PPBV	92
16) DICHLOROFLUOROMETHANE	1.984	67	132874	4.38	PPBV	98
17) ACETONITRILE	2.055	41	57811	3.60	PPBV	100
18) ACROLEIN	2.094	56	31088	3.87	PPBV	99
19) FREON 123	2.106	83	133098	3.98	PPBV	99
20) FREON 123A	2.122	117	80453	4.36	PPBV	93
21) TRICHLOROFLUOROMETHANE	2.187	101	152287	4.27	PPBV	99
22) ISOPROPYL ALCOHOL	2.219	45	129156	3.14	PPBV	99
23) ACETONE	2.135	58	35696	3.28	PPBV	100
24) PENTANE	2.303	42	71675	3.46	PPBV	97
25) IODOMETHANE	2.364	142	138967	4.41	PPBV	98
26) 1,1-DICHLOROETHYLENE	2.393	96	56736	4.02	PPBV	90
27) CARBON DISULFIDE	2.524	76	164494	4.33	PPBV	99
28) ETHANOL	1.994	45	36651	3.31	PPBV	97
29) BROMOETHENE	2.061	106	51262	4.10	PPBV	99
30) ACRYLONITRILE	2.277	52	52972	3.56	PPBV	99
31) METHYLENE CHLORIDE	2.428	84	51833	3.97	PPBV	86
32) 3-CHLOROPROPENE	2.470	76	28290	3.74	PPBV	84
33) FREON 113	2.524	151	89281	4.48	PPBV	100
34) TRANS-1,2-DICHLOROETHENE	2.753	96	52868	4.38	PPBV	93
35) TERTIARY BUTYL ALCOHOL	2.431	59	116326	3.23	PPBV	97
36) METHYL TERTIARY BUTYL ...	2.868	73	136515	4.93	PPBV	100
37) TETRAHYDROFURAN	3.563	72	27131	5.79	PPBV	90
38) HEXANE	3.319	57	108490	4.76	PPBV	99
39) VINYL ACETATE	2.901	86	11696	4.81	PPBV	88
40) 1,1-DICHLOROETHANE	2.830	63	102265	4.89	PPBV	99
41) METHYL ETHYL KETONE	3.000	72	28364	5.37	PPBV	82
42) CIS-1,2-DICHLOROETHENE	3.190	96	57628	5.43	PPBV	95
43) DIISOPROPYL ETHER	3.328	59	30846	4.96	PPBV	96
44) ETHYL ACETATE	3.331	61	21833	5.20	PPBV	90
45) METHYL ACRYLATE	3.319	55	128213	4.81	PPBV #	100
46) CHLOROFORM	3.341	83	118312	5.38	PPBV	97
47) 2,4-DIMETHYLPENTANE	3.833	57	123753	5.06	PPBV	98
48) 1,1,1-TRICHLOROETHANE	3.913	97	103061	4.93	PPBV	99
49) CARBON TETRACHLORIDE	4.338	117	104096	5.26	PPBV	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07979.D
Acq On : 19 Aug 2024 12:01 am
Operator : benk
Sample : ic305-5
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 04:18:27 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Jul 22 10:39:47 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	3.749	62	90936	5.26	PPBV		99
51)	BENZENE	4.225	78	171826	5.13	PPBV		96
53)	CYCLOHEXANE	4.434	84	75178	5.37	PPBV		93
54)	2,3-DIMETHYLPENTANE	4.688	71	39970	5.61	PPBV		86
55)	TRICHLOROETHENE	5.119	95	78664	5.28	PPBV		99
56)	1,2-DICHLOROPROPANE	4.888	63	70308	4.98	PPBV		97
57)	DIBROMOMETHANE	4.849	174	65118	4.79	PPBV		99
58)	ETHYL ACRYLATE	5.013	55	152697	5.12	PPBV		100
59)	BROMODICHLOROMETHANE	5.068	83	124366	5.39	PPBV		99
60)	2,2,4-TRIMETHYLPENTANE	5.216	57	349151	5.05	PPBV		98
61)	1,4-DIOXANE	5.164	88	45840	4.97	PPBV	#	83
62)	HEPTANE	5.534	43	121341	4.96	PPBV		97
63)	METHYL METHACRYLATE	5.434	69	65132	5.30	PPBV		92
64)	METHYL ISOBUTYL KETONE	6.183	58	74156	4.92	PPBV		95
65)	CIS-1,3-DICHLOROPROPENE	6.058	75	91819	4.90	PPBV		98
66)	TOLUENE	7.264	91	218857	5.36	PPBV		99
67)	1,3-DICHLOROPROPANE	7.322	76	110082	5.46	PPBV		99
68)	TRANS-1,3-DICHLOROPROPENE	6.733	75	66745	4.27	PPBV		99
69)	1,1,2-TRICHLOROETHANE	6.894	83	62252	5.39	PPBV		98
70)	2-HEXANONE	7.855	58	112276	4.02	PPBV		97
71)	ETHYL METHACRYLATE	7.974	69	105592	5.14	PPBV		94
72)	TETRACHLOROETHENE	8.990	164	77784	4.95	PPBV		96
73)	DIBROMOCHLOROMETHANE	7.794	129	118229	5.98	PPBV		99
74)	1,2-DIBROMOETHANE	8.138	107	111886	5.67	PPBV		99
75)	OCTANE	9.142	43	173169	5.12	PPBV		96
77)	1,1,1,2-TETRACHLOROETHANE	10.206	131	78566	5.10	PPBV		98
78)	CHLOROBENZENE	10.196	112	183185	5.81	PPBV		99
79)	ETHYLBENZENE	11.080	91	299317	4.99	PPBV		100
80)	M,P-XYLENE	11.505	91	464302	10.48	PPBV		99
81)	O-XYLENE	12.437	91	236267	5.90	PPBV		97
82)	STYRENE	12.228	104	177117	6.24	PPBV		99
83)	NONANE	13.563	43	187166	5.08	PPBV		97
84)	BROMOFORM	11.315	173	101100	5.63	PPBV		97
85)	1,1,2,2-TETRACHLOROETHANE	12.453	83	172204	5.90	PPBV		99
86)	1,2,3-TRICHLOROPROPANE	12.736	75	133990	6.07	PPBV		100
88)	ISOPROPYLBENZENE	13.955	120	89542	5.64	PPBV		98
89)	BROMOBENZENE	13.823	77	164898	5.71	PPBV		96
90)	2-CHLOROTOLUENE	14.952	126	80136	5.58	PPBV		100
91)	N-PROPYLBENZENE	15.296	120	93644	5.99	PPBV		100
92)	4-ETHYLTOLUENE	15.739	105	338018	5.58	PPBV		99
93)	1,3,5-TRIMETHYLBENZENE	15.997	105	282963	5.41	PPBV		99
94)	ALPHA-METHYLSTYRENE	16.270	118	143668	5.58	PPBV		100
95)	TERT-BUTYLBENZENE	16.569	134	67157	4.95	PPBV		99
96)	1,2,4-TRIMETHYLBENZENE	16.578	105	296095	5.30	PPBV		99
97)	BENZYL CHLORIDE	16.669	91	79381m	3.20	PPBV		
98)	M-DICHLOROBENZENE	16.640	146	187655	5.45	PPBV		99
99)	P-DICHLOROBENZENE	16.730	146	191562	5.55	PPBV		99
100)	O-DICHLOROBENZENE	17.045	146	181198	5.52	PPBV		99
101)	SEC-BUTYLBENZENE	16.874	134	84088	5.29	PPBV		93
102)	1,2,3-TRIMETHYLBENZENE	16.990	105	287527	5.46	PPBV		99
103)	P-ISOPROPYLTOLUENE	17.064	134	92888	5.44	PPBV		95
104)	N-BUTYLBENZENE	17.424	134	93747	5.91	PPBV		98
105)	HEXACHLOROETHANE	17.604	117	82010	4.77	PPBV		96
106)	HEXACHLOROBUTADIENE	18.662	225	132649	5.96	PPBV		100
107)	1,2,4-TRICHLOROBENZENE	18.350	180	178283	11.97	PPBV		99
108)	NAPHTHALENE	18.398	128	477399	16.43	PPBV		100
110)	TVHC as equiv Pentane	2.303	TIC	356727	3.90	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07979.D
Acq On : 19 Aug 2024 12:01 am
Operator : benk
Sample : ic305-5
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 04:18:27 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Jul 22 10:39:47 2024
Response via : Initial Calibration

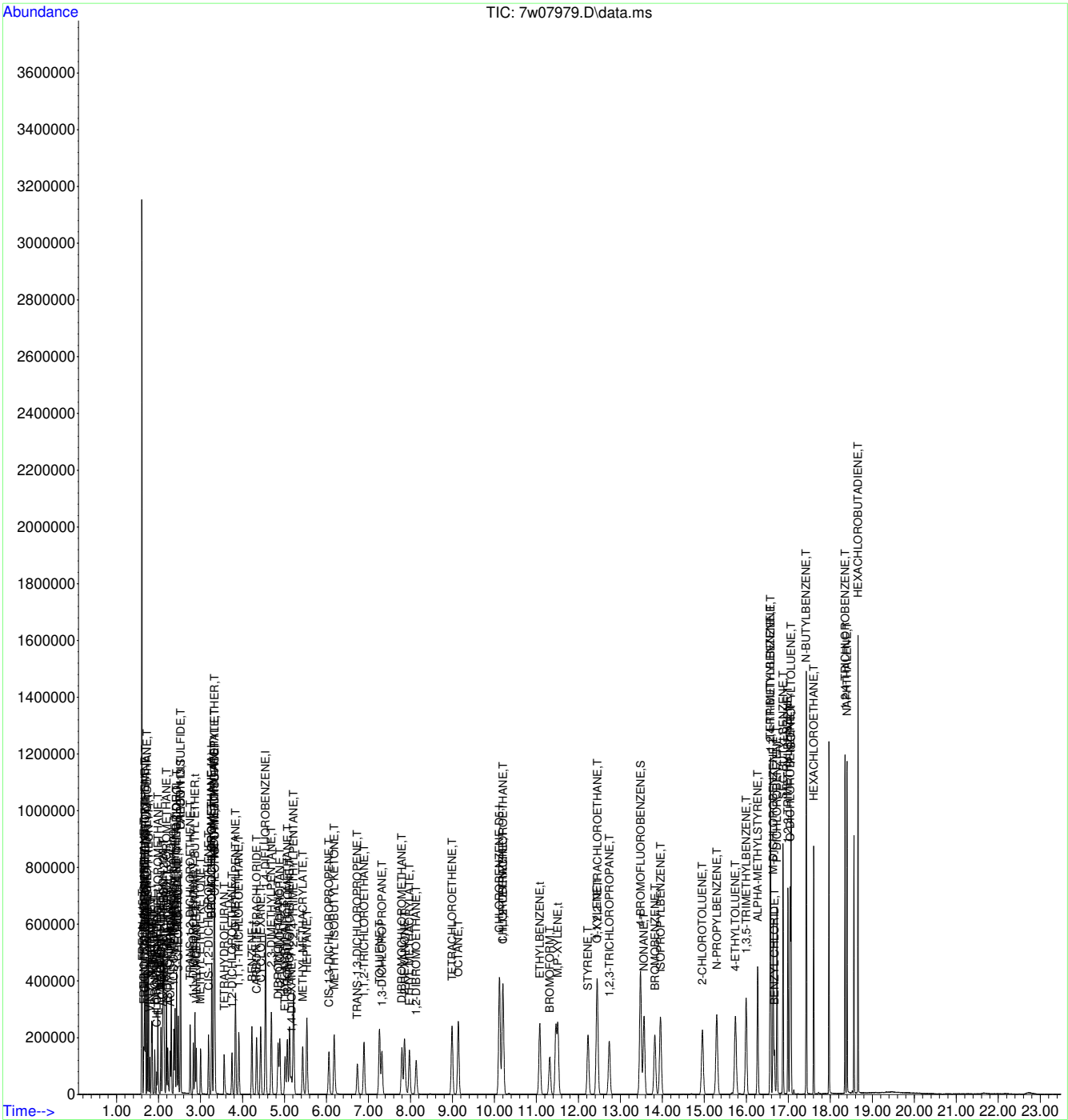
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07979.D
Acq On : 19 Aug 2024 12:01 am
Operator : benk
Sample : ic305-5
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 04:18:27 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Jul 22 10:39:47 2024
Response via : Initial Calibration



Manual Integration Approval Summary

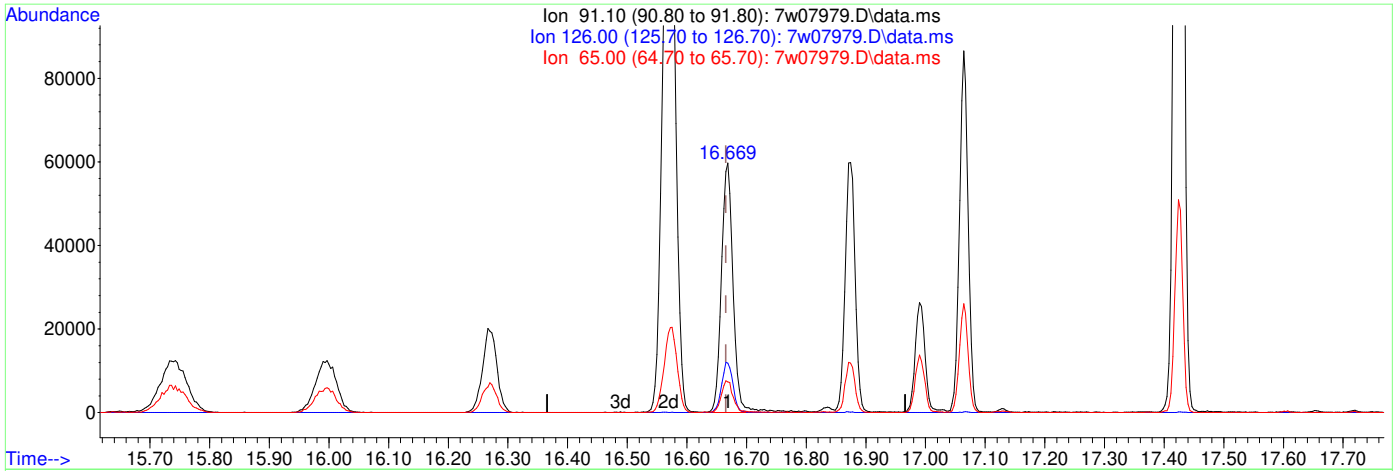
Sample Number:	V7W305-IC305	**Method:**	TO-15
Lab FileID:	7W07979.D	**Analyst approved:**	08/19/24 09:06 Benjamin Kim
Injection Time:	08/19/24 00:01	**Supervisor approved:**	08/19/24 10:53 Kanya Veerawat

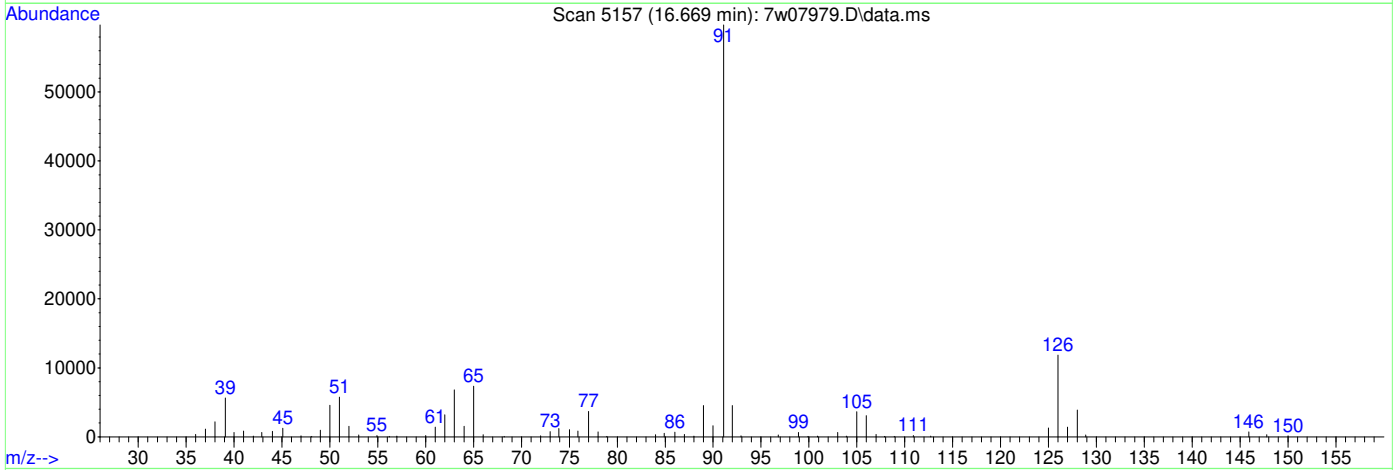
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzyl Chloride	100-44-7		16.67	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07979.D
Acq On : 19 Aug 2024 12:01 am
Operator : benk
Sample : ic305-5
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 00:45:51 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Jul 22 10:39:47 2024
Response via : Initial Calibration





TIC: 7w07979.D\data.ms

(97) BENZYL CHLORIDE (T)

16.669min (+0.003) 3.29PPBV

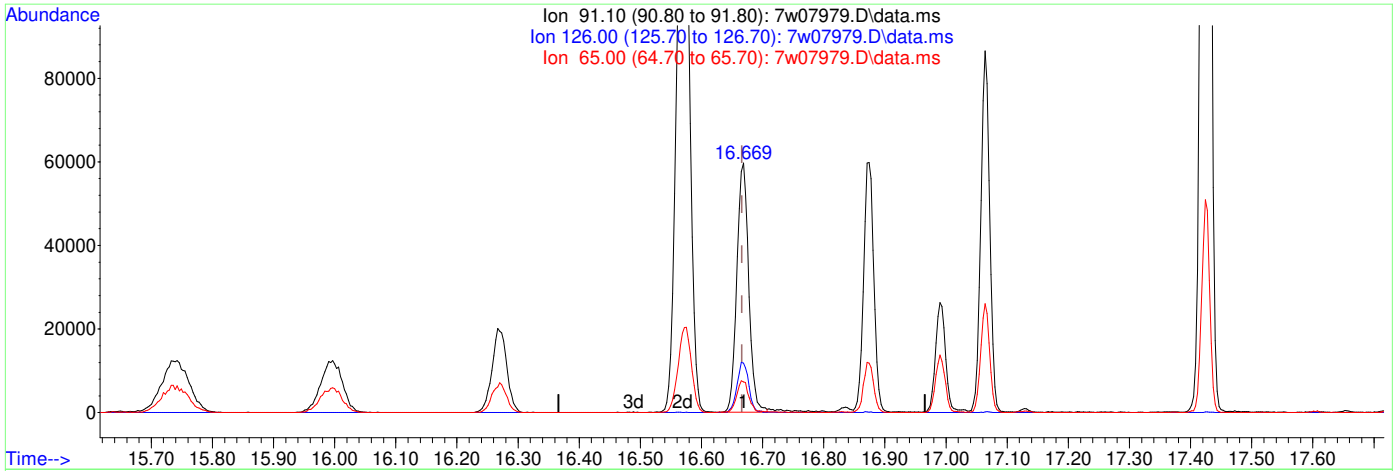
response 81628

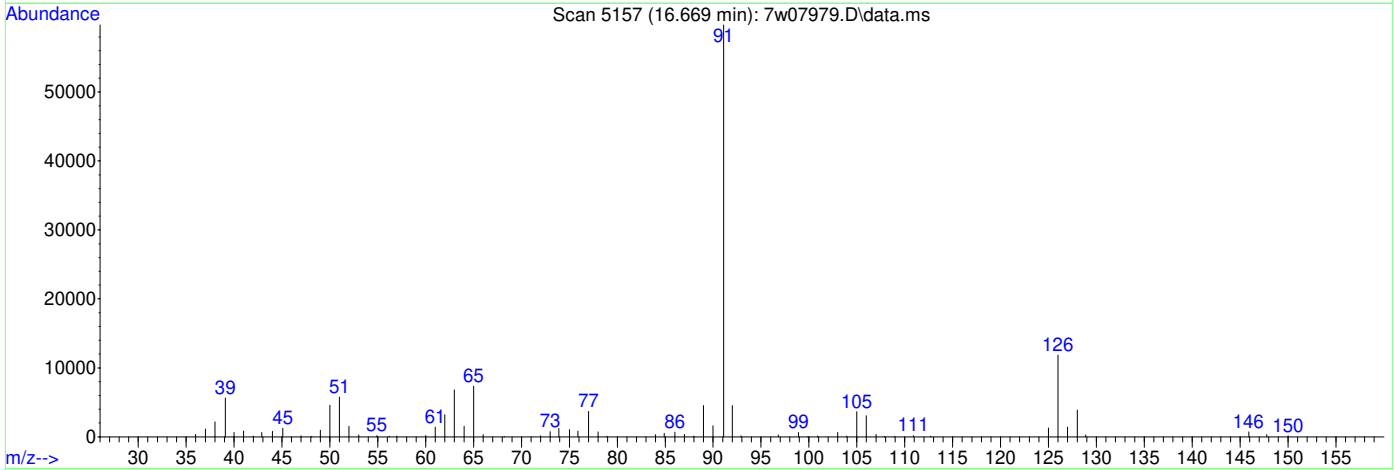
Ion	Exp%	Act%
91.10	100	100
126.00	19.10	19.59
65.00	13.00	13.49
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07979.D
Acq On : 19 Aug 2024 12:01 am
Operator : benk
Sample : ic305-5
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 00:45:51 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Jul 22 10:39:47 2024
Response via : Initial Calibration





TIC: 7w07979.D\data.ms

(97) BENZYL CHLORIDE (T)

16.669min (+0.003) 3.20PPBV m

response 79381

Ion	Exp%	Act%
91.10	100	100
126.00	19.10	20.14
65.00	13.00	13.87
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 08/19/24 12:13

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07980.D
Acq On : 19 Aug 2024 12:35 am
Operator : benk
Sample : icc305-10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 04:19:31 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:59 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.267	128	76492	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.547	114	388370	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.119	117	349697	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.267	128	76492	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.479	95	254020	9.80	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.618	119	116757	11.94	PPBV		98
3) FREON 152A	1.647	65	56656	10.57	PPBV		97
4) CHLORODIFLUOROMETHANE	1.660	67	27361	10.93	PPBV		96
5) CHLOROTRIFLUOROETHENE	1.669	116	128761	10.75	PPBV		99
6) DICHLORODIFLUOROMETHANE	1.689	85	335263	10.56	PPBV		99
7) PROPYLENE	1.669	41	75194	10.04	PPBV		98
8) 1-CHLORO-1,1-DIFLUOROE...	1.724	65	279768	10.38	PPBV		99
9) FREON 114	1.759	85	296122	10.76	PPBV		99
10) CHLOROMETHANE	1.730	52	38843	9.29	PPBV		98
11) VINYL CHLORIDE	1.791	62	127043	9.96	PPBV		99
12) 1,3-BUTADIENE	1.833	54	107031	9.85	PPBV		99
13) N-BUTANE	1.846	43	198675	10.27	PPBV		99
14) BROMOMETHANE	1.907	94	101510	10.31	PPBV		99
15) CHLOROETHANE	1.955	64	66775	10.09	PPBV		90
16) DICHLOROFLUOROMETHANE	1.981	67	261438	10.74	PPBV		100
17) ACETONITRILE	2.052	41	110740	8.07	PPBV		99
18) ACROLEIN	2.090	56	61192	10.52	PPBV		100
19) FREON 123	2.103	83	262246	9.89	PPBV		100
20) FREON 123A	2.123	117	158704	10.72	PPBV		100
21) TRICHLOROFLUOROMETHANE	2.187	101	302114	10.62	PPBV		99
22) ISOPROPYL ALCOHOL	2.213	45	263534	8.69	PPBV		99
23) ACETONE	2.132	58	66233	6.38	PPBV		97
24) PENTANE	2.303	42	137367	8.83	PPBV		99
25) IODOMETHANE	2.364	142	273231	10.68	PPBV		100
26) 1,1-DICHLOROETHYLENE	2.393	96	111237	9.93	PPBV		99
27) CARBON DISULFIDE	2.525	76	326093	10.12	PPBV		99
28) ETHANOL	1.991	45	67325	6.93	PPBV		98
29) BROMOETHENE	2.058	106	102347	10.02	PPBV		100
30) ACRYLONITRILE	2.274	52	98220	8.85	PPBV		98
31) METHYLENE CHLORIDE	2.428	84	101961	8.72	PPBV		99
32) 3-CHLOROPROPENE	2.470	76	56199	10.18	PPBV		97
33) FREON 113	2.525	151	175840	10.42	PPBV		100
34) TRANS-1,2-DICHLOROETHENE	2.753	96	105154	9.70	PPBV		99
35) TERTIARY BUTYL ALCOHOL	2.418	59	256208	9.59	PPBV		99
36) METHYL TERTIARY BUTYL ...	2.865	73	273836	10.96	PPBV		100
37) TETRAHYDROFURAN	3.557	72	53518	11.75	PPBV		98
38) HEXANE	3.319	57	216582	10.11	PPBV		100
39) VINYL ACETATE	2.898	86	24166	11.82	PPBV		94
40) 1,1-DICHLOROETHANE	2.827	63	200586	10.56	PPBV		100
41) METHYL ETHYL KETONE	2.997	72	55843	11.44	PPBV		100
42) CIS-1,2-DICHLOROETHENE	3.190	96	113715	11.11	PPBV		100
43) DIISOPROPYL ETHER	3.325	59	61463	10.90	PPBV		100
44) ETHYL ACETATE	3.332	61	43829	10.65	PPBV		100
45) METHYL ACRYLATE	3.316	55	258959	10.92	PPBV	#	26
46) CHLOROFORM	3.341	83	237561	11.15	PPBV		99
47) 2,4-DIMETHYLPENTANE	3.833	57	244103	11.02	PPBV		99
48) 1,1,1-TRICHLOROETHANE	3.914	97	211578	10.86	PPBV		98
49) CARBON TETRACHLORIDE	4.335	117	214927	11.14	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07980.D
Acq On : 19 Aug 2024 12:35 am
Operator : benk
Sample : icc305-10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 04:19:31 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:59 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
50) 1,2-DICHLOROETHANE	3.750	62	178327	11.01 PPBV		100
51) BENZENE	4.225	78	336400	10.79 PPBV		100
53) CYCLOHEXANE	4.431	84	147216	10.89 PPBV		98
54) 2,3-DIMETHYLPENTANE	4.688	71	78137	11.46 PPBV		99
55) TRICHLOROETHENE	5.122	95	154777	10.77 PPBV		100
56) 1,2-DICHLOROPROPANE	4.888	63	141313	10.87 PPBV		99
57) DIBROMOMETHANE	4.846	174	127868	10.56 PPBV		100
58) ETHYL ACRYLATE	5.010	55	310645	10.93 PPBV		100
59) BROMODICHLOROMETHANE	5.068	83	251956	11.60 PPBV		100
60) 2,2,4-TRIMETHYLPENTANE	5.216	57	676160	10.55 PPBV		99
61) 1,4-DIOXANE	5.151	88	83819	11.15 PPBV	#	96
62) HEPTANE	5.534	43	238681	10.47 PPBV		100
63) METHYL METHACRYLATE	5.431	69	129938	10.97 PPBV		98
64) METHYL ISOBUTYL KETONE	6.177	58	138927	9.69 PPBV		99
65) CIS-1,3-DICHLOROPROPENE	6.058	75	192427	11.23 PPBV		99
66) TOLUENE	7.264	91	436862	11.04 PPBV		99
67) 1,3-DICHLOROPROPANE	7.322	76	219919	11.36 PPBV		99
68) TRANS-1,3-DICHLOROPROPENE	6.737	75	146931	10.87 PPBV		99
69) 1,1,2-TRICHLOROETHANE	6.894	83	123244	11.28 PPBV		100
70) 2-HEXANONE	7.852	58	202098	9.26 PPBV		100
71) ETHYL METHACRYLATE	7.974	69	213857	11.04 PPBV		99
72) TETRACHLOROETHENE	8.994	164	152491	10.19 PPBV		99
73) DIBROMOCHLOROMETHANE	7.798	129	244347	12.50 PPBV		99
74) 1,2-DIBROMOETHANE	8.138	107	227562	11.69 PPBV		99
75) OCTANE	9.142	43	342794	10.17 PPBV		100
77) 1,1,1,2-TETRACHLOROETHANE	10.206	131	167229	11.49 PPBV		98
78) CHLOROBENZENE	10.199	112	365525	11.34 PPBV		99
79) ETHYLBENZENE	11.084	91	596122	10.36 PPBV		100
80) M,P-XYLENE	11.511	91	932252	26.23 PPBV		98
81) O-XYLENE	12.441	91	476187	11.13 PPBV		95
82) STYRENE	12.228	104	355912	11.49 PPBV		99
83) NONANE	13.566	43	372829	10.90 PPBV		100
84) BROMOFORM	11.318	173	218043	12.08 PPBV		100
85) 1,1,2,2-TETRACHLOROETHANE	12.457	83	345869	11.55 PPBV		100
86) 1,2,3-TRICHLOROPROPANE	12.740	75	269044	11.72 PPBV		100
88) ISOPROPYLBENZENE	13.958	120	177926	10.94 PPBV		99
89) BROMOBENZENE	13.823	77	331670	11.30 PPBV		99
90) 2-CHLOROTOLUENE	14.955	126	160785	10.94 PPBV		99
91) N-PROPYLBENZENE	15.296	120	187111	11.29 PPBV		99
92) 4-ETHYLTOLUENE	15.743	105	683113	11.85 PPBV		99
93) 1,3,5-TRIMETHYLBENZENE	15.997	105	568889	10.83 PPBV		100
94) ALPHA-METHYLSTYRENE	16.273	118	292834	10.97 PPBV		99
95) TERT-BUTYLBENZENE	16.569	134	135050	10.31 PPBV		98
96) 1,2,4-TRIMETHYLBENZENE	16.579	105	603037	10.60 PPBV		100
97) BENZYL CHLORIDE	16.669	91	206043m	8.98 PPBV		
98) M-DICHLOROBENZENE	16.640	146	381391	10.72 PPBV		100
99) P-DICHLOROBENZENE	16.733	146	385546	10.57 PPBV		100
100) O-DICHLOROBENZENE	17.045	146	365233	10.52 PPBV		100
101) SEC-BUTYLBENZENE	16.874	134	172736	10.87 PPBV		98
102) 1,2,3-TRIMETHYLBENZENE	16.990	105	581741	10.62 PPBV		100
103) P-ISOPROPYLTOLUENE	17.064	134	190250	10.87 PPBV		100
104) N-BUTYLBENZENE	17.424	134	192133	11.39 PPBV		99
105) HEXACHLOROETHANE	17.604	117	188986	11.90 PPBV		99
106) HEXACHLOROBUTADIENE	18.656	225	270689	11.05 PPBV		100
107) 1,2,4-TRICHLOROBENZENE	18.347	180	362323	13.11 PPBV		100
108) NAPHTHALENE	18.395	128	919027	12.96 PPBV		100
110) TVHC as equiv Pentane	2.303	TIC	685461	8.17 PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07980.D
Acq On : 19 Aug 2024 12:35 am
Operator : benk
Sample : icc305-10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 04:19:31 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:59 2024
Response via : Initial Calibration

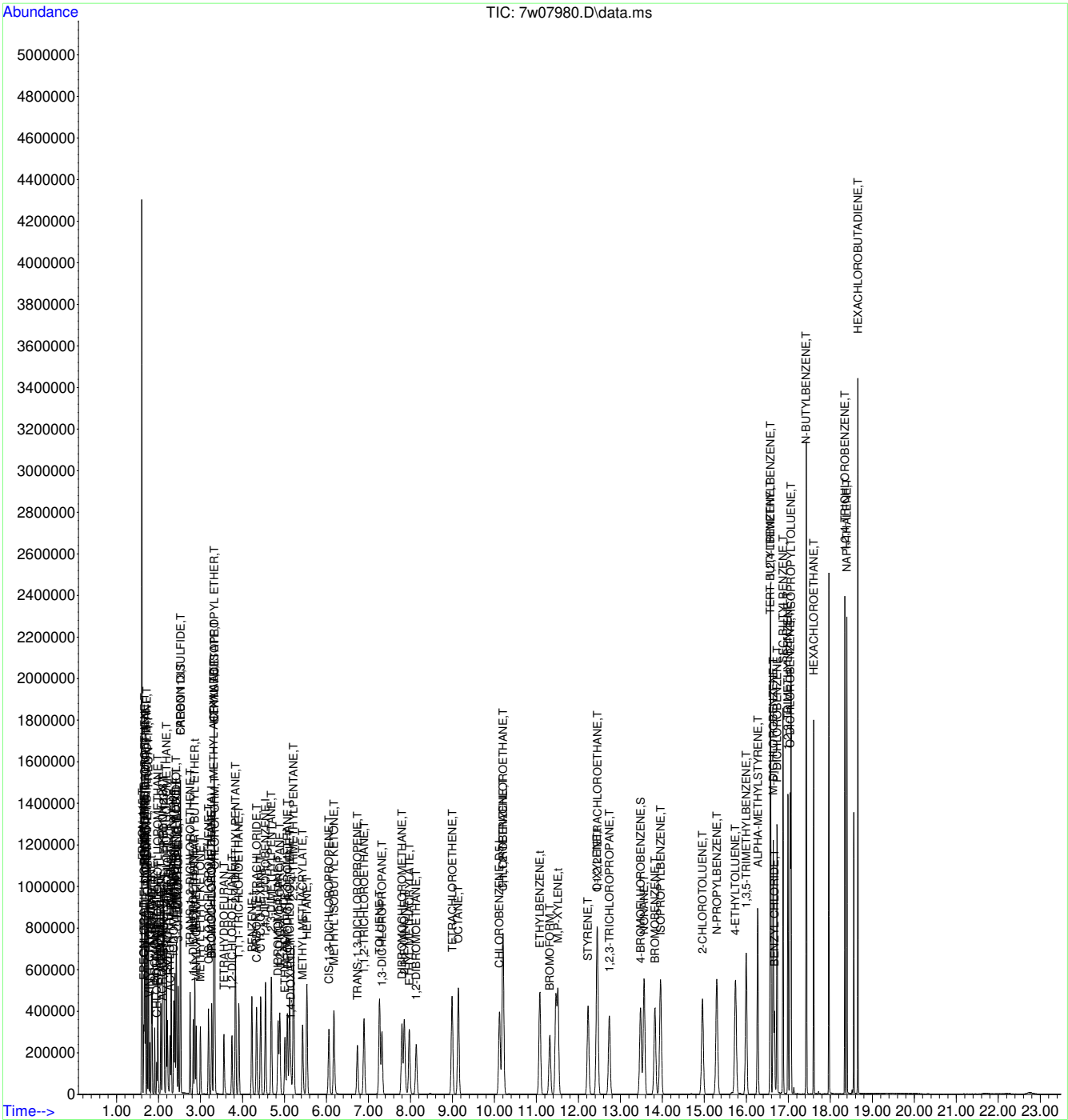
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07980.D
Acq On : 19 Aug 2024 12:35 am
Operator : benk
Sample : icc305-10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 04:19:31 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:59 2024
Response via : Initial Calibration



Manual Integration Approval Summary

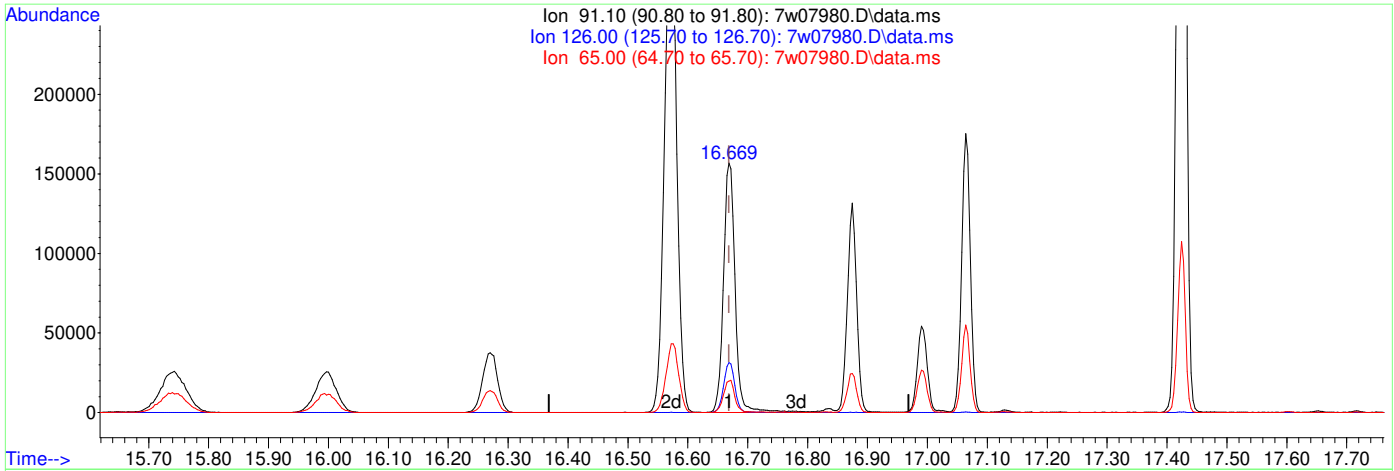
Sample Number:	V7W305-ICC305	**Method:**	TO-15
Lab FileID:	7W07980.D	**Analyst approved:**	08/19/24 12:13 Kanya Veerawat
Injection Time:	08/19/24 00:35	**Supervisor approved:**	08/19/24 12:13 Kanya Veerawat

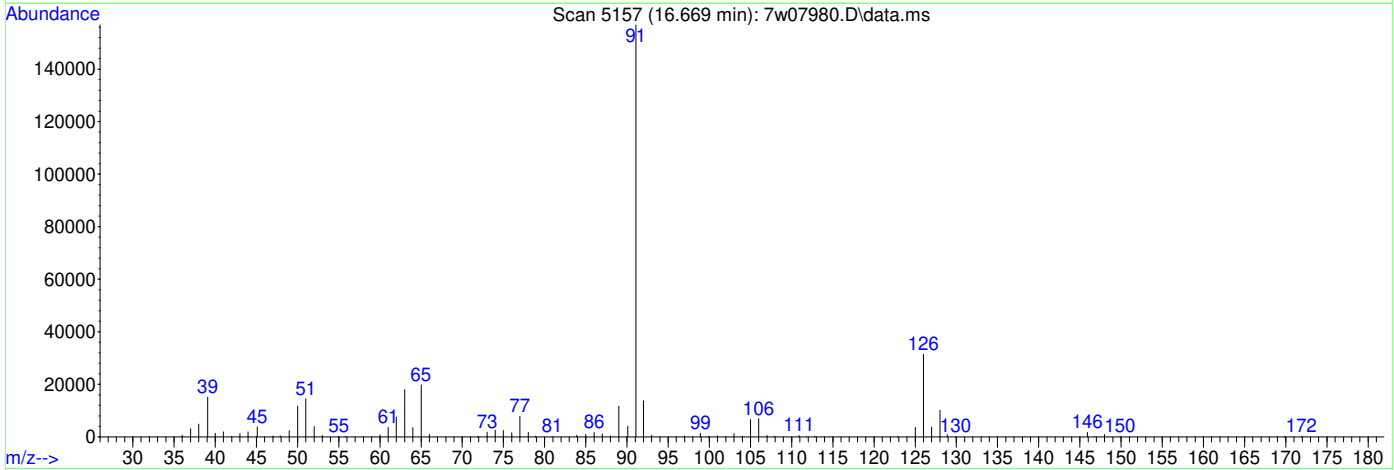
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzyl Chloride	100-44-7		16.67	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07980.D
Acq On : 19 Aug 2024 12:35 am
Operator : benk
Sample : icc305-10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 01:10:46 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:59 2024
Response via : Initial Calibration





TIC: 7w07980.D\data.ms

(97) BENZYL CHLORIDE (T)

16.669min (+0.000) 9.14PPBV

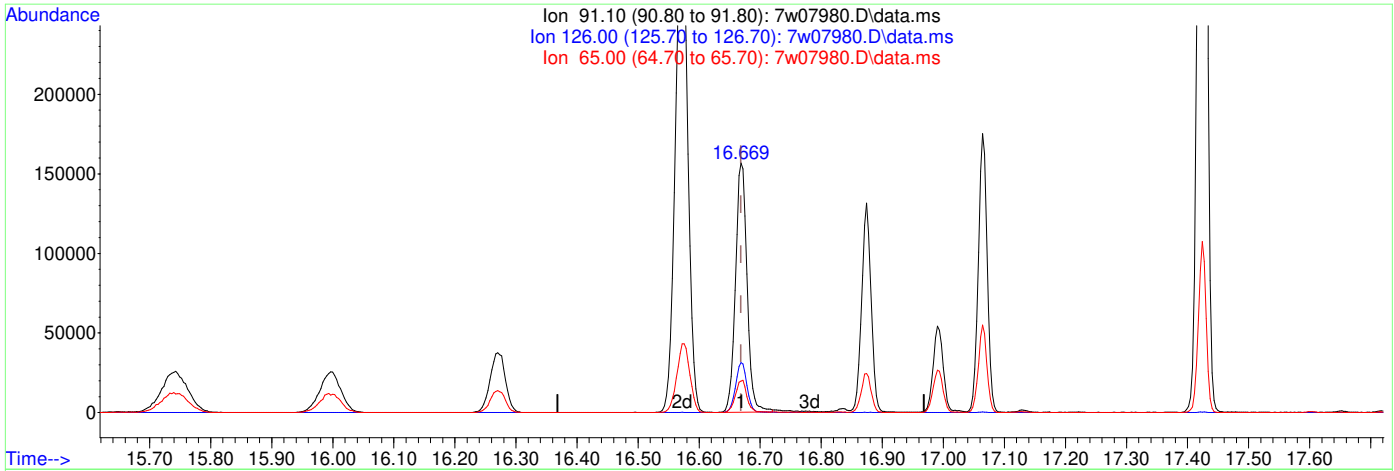
response 209652

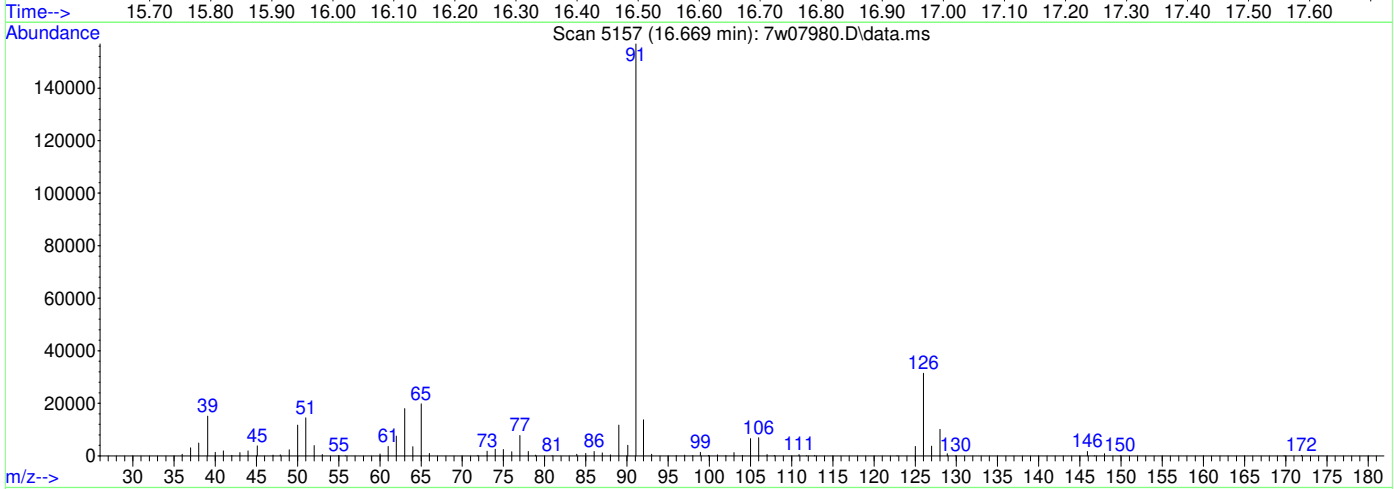
Ion	Exp%	Act%
91.10	100	100
126.00	19.60	19.52
65.00	13.50	13.08
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07980.D
Acq On : 19 Aug 2024 12:35 am
Operator : benk
Sample : icc305-10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 01:10:46 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:59 2024
Response via : Initial Calibration





TIC: 7w07980.D\data.ms

(97) BENZYL CHLORIDE (T)

16.669min (+0.000) 8.98PPBV m

response 206043

Ion	Exp%	Act%
91.10	100	100
126.00	19.60	19.87
65.00	13.50	13.30
0.00	0.00	0.00

7W07981.D

Manual Integrations APPROVED (compounds with "m" flag)

Kanya Veerawat 08/19/24 10:53

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07981.D
Acq On : 19 Aug 2024 1:10 am
Operator : benk
Sample : ic305-20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 04:20:49 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 01:13:02 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.267	128	78951	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.550	114	399337	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.122	117	358279	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.267	128	78951	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.479	95	266903	10.06	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.618	119	223150	21.59	PPBV		99
3) FREON 152A	1.647	65	113696	20.51	PPBV		99
4) CHLORODIFLUOROMETHANE	1.660	67	54585	20.96	PPBV		96
5) CHLOROTRIFLUOROETHENE	1.669	116	260366	20.90	PPBV		100
6) DICHLORODIFLUOROMETHANE	1.688	85	680605	20.91	PPBV		100
7) PROPYLENE	1.669	41	152928	19.87	PPBV		99
8) 1-CHLORO-1,1-DIFLUOROE...	1.724	65	568833	20.81	PPBV		100
9) FREON 114	1.759	85	605062	21.62	PPBV		100
10) CHLOROMETHANE	1.730	52	78040	18.64	PPBV		98
11) VINYL CHLORIDE	1.791	62	255415	19.85	PPBV		99
12) 1,3-BUTADIENE	1.833	54	213526	19.54	PPBV		99
13) N-BUTANE	1.846	43	396119	20.43	PPBV		100
14) BROMOMETHANE	1.907	94	203898	20.45	PPBV		98
15) CHLOROETHANE	1.955	64	134751	20.22	PPBV		90
16) DICHLOROFLUOROMETHANE	1.981	67	524283	21.39	PPBV		100
17) ACETONITRILE	2.052	41	223496	16.36	PPBV		99
18) ACROLEIN	2.090	56	122465	21.34	PPBV		99
19) FREON 123	2.103	83	531281	19.97	PPBV		100
20) FREON 123A	2.123	117	323136	21.67	PPBV		100
21) TRICHLOROFLUOROMETHANE	2.187	101	609713	21.19	PPBV		99
22) ISOPROPYL ALCOHOL	2.209	45	505798	16.79	PPBV		99
23) ACETONE	2.129	58	132986	12.82	PPBV		98
24) PENTANE	2.303	42	275517	17.87	PPBV		100
25) IODOMETHANE	2.364	142	554198	21.34	PPBV		99
26) 1,1-DICHLOROETHYLENE	2.393	96	224620	19.91	PPBV		100
27) CARBON DISULFIDE	2.524	76	672044	20.83	PPBV		98
28) ETHANOL	1.987	45	128753	12.10	PPBV		97
29) BROMOETHENE	2.058	106	208300	20.11	PPBV		99
30) ACRYLONITRILE	2.274	52	196181	17.77	PPBV		98
31) METHYLENE CHLORIDE	2.428	84	204874	17.29	PPBV		97
32) 3-CHLOROPROPENE	2.470	76	113419	20.29	PPBV		94
33) FREON 113	2.524	151	360148	21.14	PPBV		100
34) TRANS-1,2-DICHLOROETHENE	2.753	96	212265	18.95	PPBV		99
35) TERTIARY BUTYL ALCOHOL	2.412	59	502012	18.93	PPBV		98
36) METHYL TERTIARY BUTYL ...	2.862	73	565864	21.86	PPBV		99
37) TETRAHYDROFURAN	3.553	72	108661	22.89	PPBV		99
38) HEXANE	3.319	57	447138	20.24	PPBV		100
39) VINYL ACETATE	2.901	86	53174	25.07	PPBV		94
40) 1,1-DICHLOROETHANE	2.830	63	406429	20.70	PPBV		100
41) METHYL ETHYL KETONE	2.997	72	113742	22.35	PPBV		98
42) CIS-1,2-DICHLOROETHENE	3.193	96	229111	21.47	PPBV		100
43) DIISOPROPYL ETHER	3.325	59	128654	22.05	PPBV		98
44) ETHYL ACETATE	3.328	61	90518	21.25	PPBV		97
45) METHYL ACRYLATE	3.315	55	541298	22.09	PPBV	#	26
46) CHLOROFORM	3.341	83	481874	21.68	PPBV		100
47) 2,4-DIMETHYLPENTANE	3.836	57	493893	21.63	PPBV		99
48) 1,1,1-TRICHLOROETHANE	3.913	97	446392	22.10	PPBV		97
49) CARBON TETRACHLORIDE	4.338	117	457450	22.82	PPBV		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07981.D
Acq On : 19 Aug 2024 1:10 am
Operator : benk
Sample : ic305-20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 04:20:49 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 01:13:02 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	3.749	62	359999	21.41	PPBV		100
51)	BENZENE	4.225	78	686901	21.16	PPBV		100
53)	CYCLOHEXANE	4.434	84	301083	21.52	PPBV		100
54)	2,3-DIMETHYLPENTANE	4.688	71	159069	22.48	PPBV		100
55)	TRICHLOROETHENE	5.122	95	315589	21.12	PPBV		100
56)	1,2-DICHLOROPROPANE	4.891	63	281821	20.99	PPBV		99
57)	DIBROMOMETHANE	4.849	174	258319	20.58	PPBV		100
58)	ETHYL ACRYLATE	5.010	55	648686	22.22	PPBV		100
59)	BROMODICHLOROMETHANE	5.071	83	520746	22.92	PPBV		99
60)	2,2,4-TRIMETHYLPENTANE	5.219	57	1363236	20.68	PPBV		98
61)	1,4-DIOXANE	5.142	88	159662	20.39	PPBV	#	93
62)	HEPTANE	5.534	43	490987	20.96	PPBV		100
63)	METHYL METHACRYLATE	5.431	69	269942	22.03	PPBV		98
64)	METHYL ISOBUTYL KETONE	6.174	58	278412	18.84	PPBV		100
65)	CIS-1,3-DICHLOROPROPENE	6.061	75	416046	23.40	PPBV		98
66)	TOLUENE	7.267	91	894765	21.73	PPBV		99
67)	1,3-DICHLOROPROPANE	7.325	76	454192	22.55	PPBV		100
68)	TRANS-1,3-DICHLOROPROPENE	6.736	75	339286	24.33	PPBV		97
69)	1,1,2-TRICHLOROETHANE	6.897	83	252481	22.25	PPBV		99
70)	2-HEXANONE	7.846	58	409335	18.16	PPBV		99
71)	ETHYL METHACRYLATE	7.971	69	456862	22.78	PPBV		99
72)	TETRACHLOROETHENE	8.997	164	312906	20.27	PPBV		99
73)	DIBROMOCHLOROMETHANE	7.801	129	522506	25.25	PPBV		100
74)	1,2-DIBROMOETHANE	8.142	107	469334	23.12	PPBV		100
75)	OCTANE	9.142	43	701989	20.21	PPBV		100
77)	1,1,1,2-TETRACHLOROETHANE	10.215	131	358362	23.86	PPBV		98
78)	CHLOROBENZENE	10.203	112	755223	22.52	PPBV		100
79)	ETHYLBENZENE	11.087	91	1235495	20.71	PPBV		100
80)	M,P-XYLENE	11.514	91	1915233	51.64	PPBV		98
81)	O-XYLENE	12.447	91	990163	22.27	PPBV		97
82)	STYRENE	12.235	104	744264	23.04	PPBV		100
83)	NONANE	13.569	43	767362	21.75	PPBV		100
84)	BROMOFORM	11.322	173	476337	25.55	PPBV		99
85)	1,1,2,2-TETRACHLOROETHANE	12.460	83	719296	23.01	PPBV		100
86)	1,2,3-TRICHLOROPROPANE	12.739	75	552619	23.08	PPBV		100
88)	ISOPROPYLBENZENE	13.961	120	370195	21.85	PPBV		99
89)	BROMOBENZENE	13.829	77	689619	22.52	PPBV		99
90)	2-CHLOROTOLUENE	14.961	126	332076	21.66	PPBV		99
91)	N-PROPYLBENZENE	15.299	120	388667	22.47	PPBV		100
92)	4-ETHYLTOLUENE	15.746	105	1411045	23.43	PPBV		100
93)	1,3,5-TRIMETHYLBENZENE	15.997	105	1186430	21.61	PPBV		100
94)	ALPHA-METHYLSTYRENE	16.273	118	616609	22.44	PPBV		100
95)	TERT-BUTYLBENZENE	16.572	134	285876	21.66	PPBV		98
96)	1,2,4-TRIMETHYLBENZENE	16.582	105	1283114	22.29	PPBV		99
97)	BENZYL CHLORIDE	16.672	91	586437m	33.00	PPBV		
98)	M-DICHLOROBENZENE	16.643	146	806410	22.21	PPBV		100
99)	P-DICHLOROBENZENE	16.733	146	813706	21.78	PPBV		100
100)	O-DICHLOROBENZENE	17.048	146	781278	21.49	PPBV		99
101)	SEC-BUTYLBENZENE	16.878	134	363104	21.90	PPBV		98
102)	1,2,3-TRIMETHYLBENZENE	16.993	105	1240077	21.66	PPBV		100
103)	P-ISOPROPYLTOLUENE	17.067	134	399174	21.83	PPBV		100
104)	N-BUTYLBENZENE	17.427	134	407447	22.96	PPBV		98
105)	HEXACHLOROETHANE	17.604	117	446077	27.20	PPBV		99
106)	HEXACHLOROBUTADIENE	18.659	225	601439	23.20	PPBV		99
107)	1,2,4-TRICHLOROBENZENE	18.347	180	799662	26.27	PPBV		99
108)	NAPHTHALENE	18.395	128	2024654	23.88	PPBV		100
110)	TVHC as equiv Pentane	2.303	TIC	1370798	16.29	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07981.D
Acq On : 19 Aug 2024 1:10 am
Operator : benk
Sample : ic305-20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 04:20:49 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 01:13:02 2024
Response via : Initial Calibration

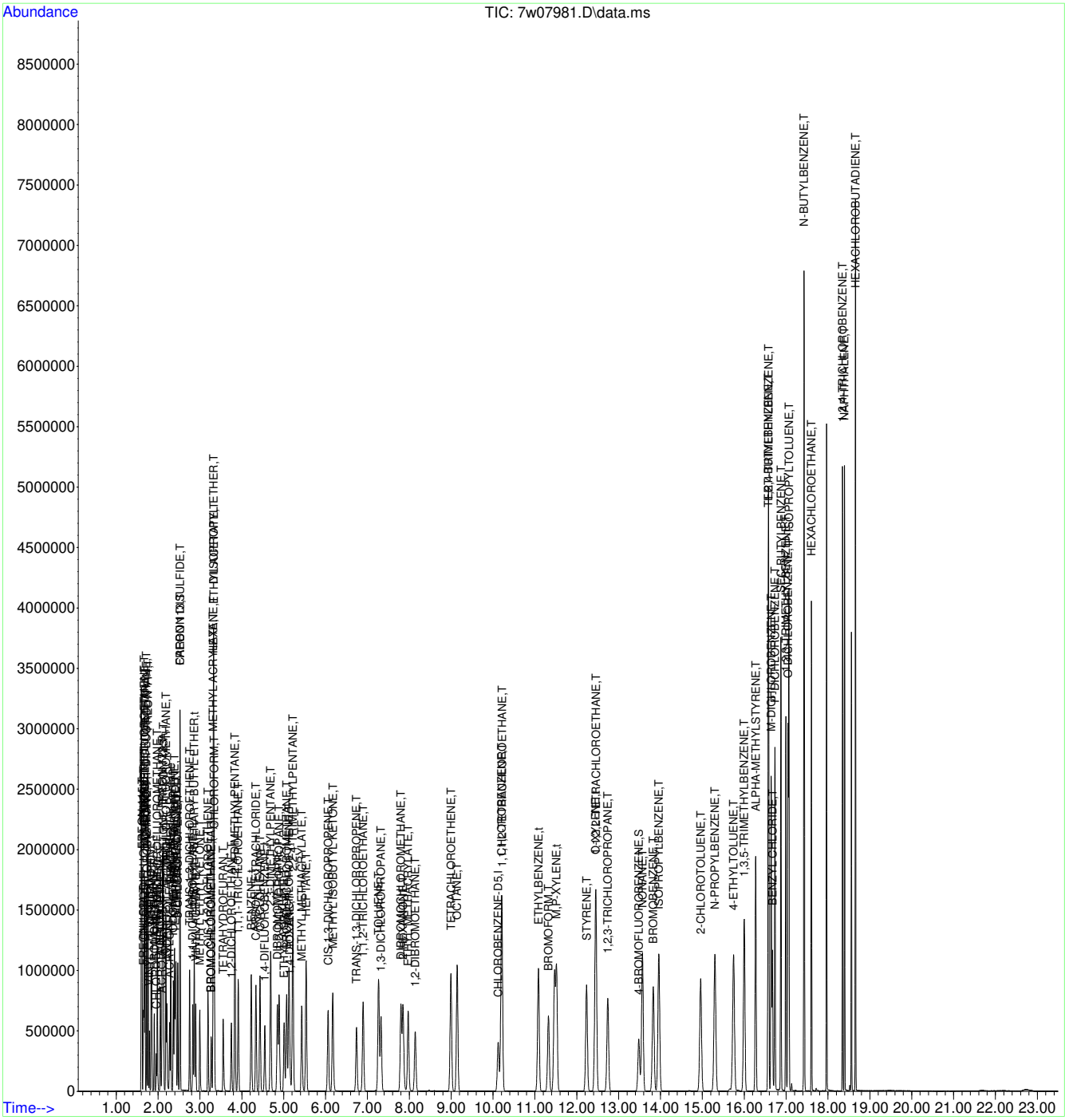
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07981.D
Acq On : 19 Aug 2024 1:10 am
Operator : benk
Sample : ic305-20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 04:20:49 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 01:13:02 2024
Response via : Initial Calibration



Manual Integration Approval Summary

Sample Number: V7W305-IC305
Lab FileID: 7W07981.D
Injection Time: 08/19/24 01:10

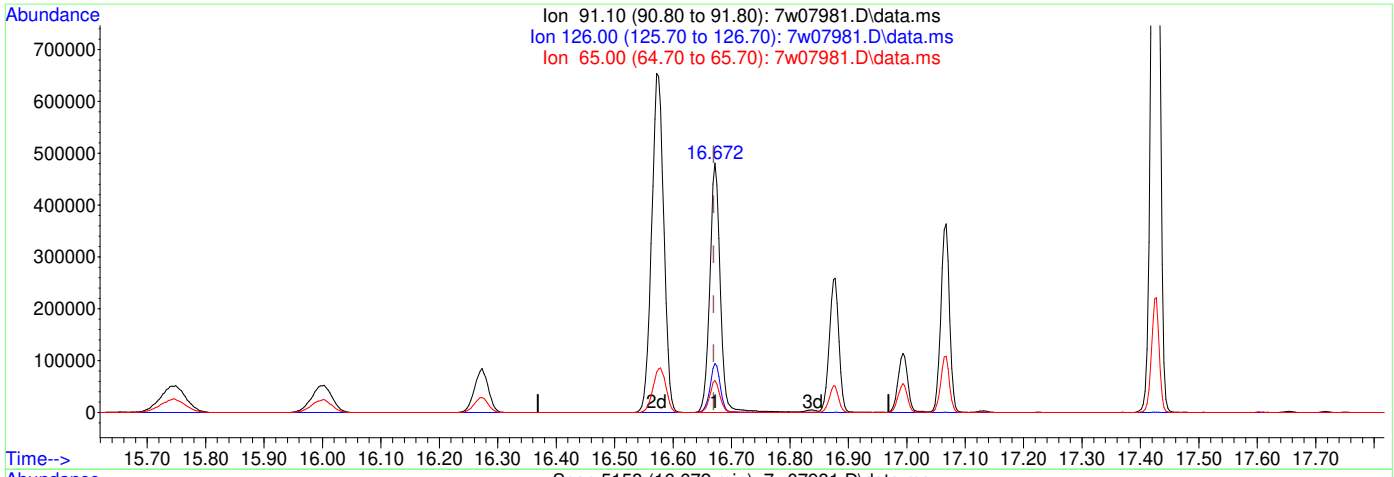
Method: TO-15
Analyst approved: 08/19/24 09:06 Benjamin Kim
Supervisor approved: 08/19/24 10:53 Kanya Veerawat

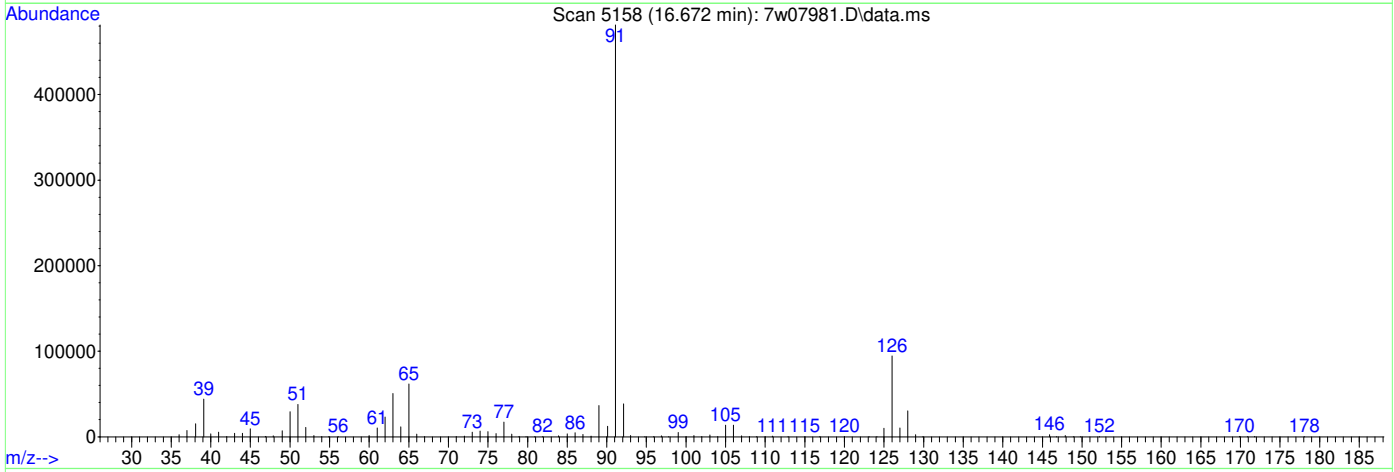
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzyl Chloride	100-44-7		16.67	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07981.D
Acq On : 19 Aug 2024 1:10 am
Operator : benk
Sample : ic305-20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 01:55:52 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 01:13:02 2024
Response via : Initial Calibration





TIC: 7w07981.D\data.ms

(97) BENZYL CHLORIDE (T)

16.672min (+0.003) 33.69PPBV

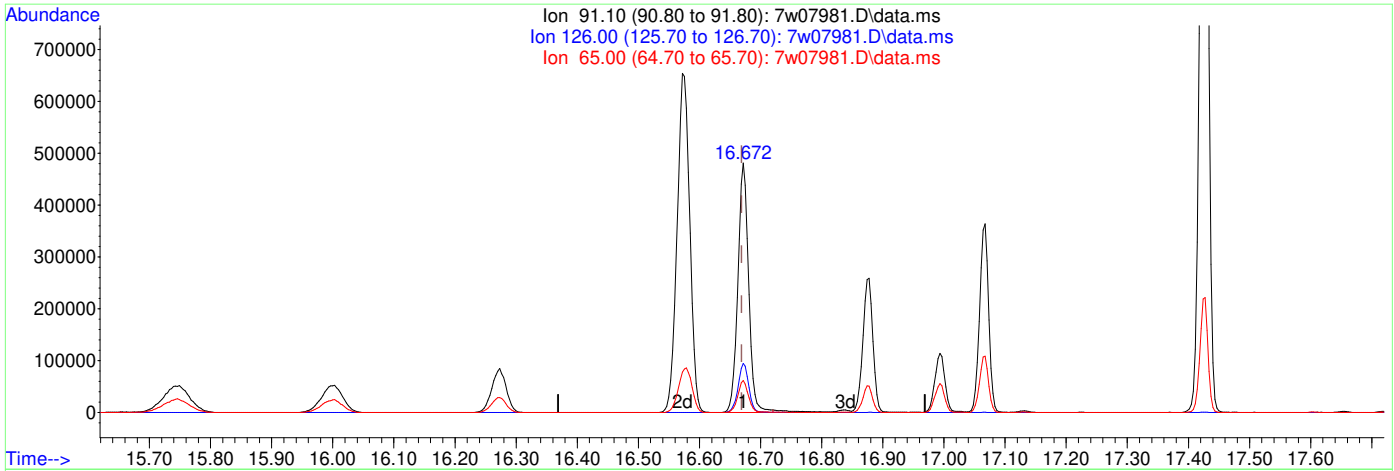
response 598744

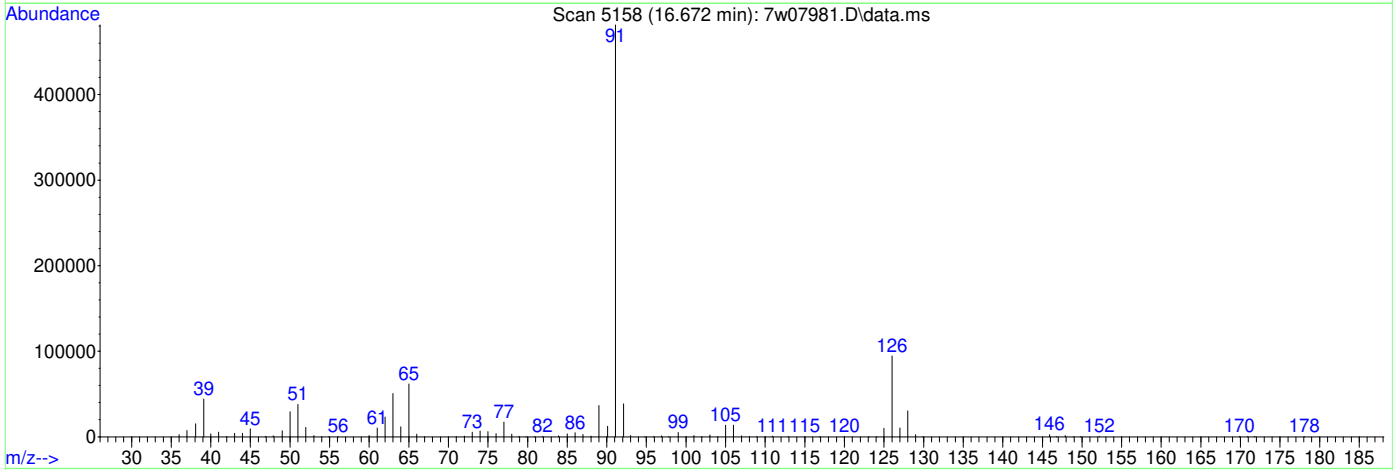
Ion	Exp%	Act%
91.10	100	100
126.00	19.60	19.41
65.00	13.50	12.91
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07981.D
Acq On : 19 Aug 2024 1:10 am
Operator : benk
Sample : ic305-20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 01:55:52 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 01:13:02 2024
Response via : Initial Calibration





TIC: 7w07981.D\data.ms

(97) BENZYL CHLORIDE (T)

16.672min (+0.003) 33.00PPBV m

response 586437

Ion	Exp%	Act%
91.10	100	100
126.00	19.60	19.82
65.00	13.50	13.18
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07982.D
Acq On : 19 Aug 2024 1:48 am
Operator : benk
Sample : ic305-40
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 03:03:06 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 03:01:24 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.267	128	77284	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.550	114	380992	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.129	117	341287	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.267	128	77286	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.482	95	254399	10.16	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.615	119	479498	49.08	PPBV		98
3) FREON 152A	1.647	65	225277	41.32	PPBV		99
4) CHLORODIFLUOROMETHANE	1.660	67	107855	41.41	PPBV		96
5) CHLOROTRIFLUOROETHENE	1.669	116	531168	42.36	PPBV		98
6) DICHLORODIFLUOROMETHANE	1.685	85	1365507	42.82	PPBV		99
7) PROPYLENE	1.669	41	307501	41.15	PPBV		98
8) 1-CHLORO-1,1-DIFLUOROE...	1.724	65	1126152	42.58	PPBV		99
9) FREON 114	1.759	85	1216958	44.90	PPBV		100
10) CHLOROMETHANE	1.730	52	155210	39.41	PPBV		100
11) VINYL CHLORIDE	1.792	62	503905	41.23	PPBV		98
12) 1,3-BUTADIENE	1.830	54	423360	41.02	PPBV		98
13) N-BUTANE	1.846	43	784812	43.23	PPBV		99
14) BROMOMETHANE	1.907	94	405186	41.45	PPBV		99
15) CHLOROETHANE	1.956	64	265590	41.21	PPBV		90
16) DICHLOROFLUOROMETHANE	1.981	67	1054144	44.46	PPBV		99
17) ACETONITRILE	2.052	41	444566	35.18	PPBV		100
18) ACROLEIN	2.091	56	244650	46.58	PPBV		99
19) FREON 123	2.103	83	1072484	42.46	PPBV		100
20) FREON 123A	2.123	117	648266	45.20	PPBV		100
21) TRICHLOROFLUOROMETHANE	2.187	101	1217843	43.41	PPBV		99
22) ISOPROPYL ALCOHOL	2.206	45	986924	35.57	PPBV		98
23) ACETONE	2.129	58	267712	27.52	PPBV		99
24) PENTANE	2.303	42	541283	39.96	PPBV		99
25) IODOMETHANE	2.364	142	1107350	45.77	PPBV		100
26) 1,1-DICHLOROETHYLENE	2.393	96	444048	42.54	PPBV		100
27) CARBON DISULFIDE	2.525	76	1380820	45.82	PPBV		97
28) ETHANOL	1.988	45	246600	22.56	PPBV		98
29) BROMOETHENE	2.058	106	411694	41.15	PPBV		99
30) ACRYLONITRILE	2.274	52	386593	39.48	PPBV		98
31) METHYLENE CHLORIDE	2.428	84	403498	36.21	PPBV		97
32) 3-CHLOROPROPENE	2.470	76	229000	43.65	PPBV		92
33) FREON 113	2.525	151	717158	44.48	PPBV		100
34) TRANS-1,2-DICHLOROETHENE	2.753	96	418606	39.92	PPBV		99
35) TERTIARY BUTYL ALCOHOL	2.409	59	988301	41.72	PPBV		97
36) METHYL TERTIARY BUTYL ...	2.862	73	1162668	45.46	PPBV		99
37) TETRAHYDROFURAN	3.550	72	216092	45.61	PPBV		99
38) HEXANE	3.322	57	909825	43.13	PPBV		99
39) VINYL ACETATE	2.901	86	112738	52.89	PPBV		93
40) 1,1-DICHLOROETHANE	2.830	63	811814	42.39	PPBV		100
41) METHYL ETHYL KETONE	2.997	72	229599	45.08	PPBV		100
42) CIS-1,2-DICHLOROETHENE	3.193	96	461447	43.14	PPBV		99
43) DIISOPROPYL ETHER	3.325	59	260000	46.49	PPBV		99
44) ETHYL ACETATE	3.332	61	186268	45.35	PPBV		99
45) METHYL ACRYLATE	3.319	55	1119785	47.57	PPBV	#	26
46) CHLOROFORM	3.345	83	964123	43.74	PPBV		100
47) 2,4-DIMETHYLPENTANE	3.836	57	1011033	45.64	PPBV		100
48) 1,1,1-TRICHLOROETHANE	3.917	97	934248	46.56	PPBV		97
49) CARBON TETRACHLORIDE	4.338	117	968917	48.27	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07982.D
Acq On : 19 Aug 2024 1:48 am
Operator : benk
Sample : ic305-40
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 03:03:06 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 03:01:24 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	3.753	62	733596	44.30	PPBV		100
51)	BENZENE	4.226	78	1385476	42.73	PPBV		100
53)	CYCLOHEXANE	4.434	84	603407	44.01	PPBV		100
54)	2,3-DIMETHYLPENTANE	4.692	71	320742	46.54	PPBV		100
55)	TRICHLOROETHENE	5.126	95	641066	43.93	PPBV		100
56)	1,2-DICHLOROPROPANE	4.891	63	574606	44.69	PPBV		99
57)	DIBROMOMETHANE	4.853	174	521107	42.96	PPBV		99
58)	ETHYL ACRYLATE	5.013	55	1339537	48.52	PPBV		100
59)	BROMODICHLOROMETHANE	5.074	83	1065741	47.59	PPBV		99
60)	2,2,4-TRIMETHYLPENTANE	5.222	57	2752474	44.22	PPBV		99
61)	1,4-DIOXANE	5.139	88	316234	41.72	PPBV	#	91
62)	HEPTANE	5.537	43	994256	45.09	PPBV		100
63)	METHYL METHACRYLATE	5.434	69	556132	46.84	PPBV		98
64)	METHYL ISOBUTYL KETONE	6.171	58	558762	39.99	PPBV		99
65)	CIS-1,3-DICHLOROPROPENE	6.061	75	875361	50.16	PPBV		98
66)	TOLUENE	7.270	91	1807715	45.02	PPBV		99
67)	1,3-DICHLOROPROPANE	7.328	76	913247	46.29	PPBV		99
68)	TRANS-1,3-DICHLOROPROPENE	6.743	75	743619	53.83	PPBV		96
69)	1,1,2-TRICHLOROETHANE	6.901	83	505262	45.59	PPBV		99
70)	2-HEXANONE	7.846	58	793923	38.66	PPBV		99
71)	ETHYL METHACRYLATE	7.975	69	944521	49.01	PPBV		99
72)	TETRACHLOROETHENE	8.997	164	632328	43.26	PPBV		100
73)	DIBROMOCHLOROMETHANE	7.804	129	1085341	51.12	PPBV		100
74)	1,2-DIBROMOETHANE	8.148	107	957340	48.14	PPBV		99
75)	OCTANE	9.148	43	1415805	43.08	PPBV		100
77)	1,1,1,2-TETRACHLOROETHANE	10.222	131	747842	50.62	PPBV		98
78)	CHLOROBENZENE	10.206	112	1519252	45.56	PPBV		99
79)	ETHYLBENZENE	11.090	91	2480888	44.56	PPBV		99
80)	M,P-XYLENE	11.524	91	3827571	90.65	PPBV		98
81)	O-XYLENE	12.453	91	1995478	46.04	PPBV		97
82)	STYRENE	12.241	104	1510779	47.29	PPBV		100
83)	NONANE	13.576	43	1529296	45.44	PPBV		99
84)	BROMOFORM	11.328	173	1015782	55.05	PPBV		100
85)	1,1,2,2-TETRACHLOROETHANE	12.466	83	1454357	47.64	PPBV		100
86)	1,2,3-TRICHLOROPROPANE	12.746	75	1111565	47.22	PPBV		100
88)	ISOPROPYLBENZENE	13.968	120	745304	45.82	PPBV		99
89)	BROMOBENZENE	13.833	77	1398331	46.31	PPBV		99
90)	2-CHLOROTOLUENE	14.965	126	671558	44.16	PPBV		99
91)	N-PROPYLBENZENE	15.305	120	787486	46.13	PPBV		100
92)	4-ETHYLTOLUENE	15.752	105	2903289	49.04	PPBV		100
93)	1,3,5-TRIMETHYLBENZENE	16.006	105	2452735	46.90	PPBV		100
94)	ALPHA-METHYLSTYRENE	16.276	118	1287592	49.03	PPBV		100
95)	TERT-BUTYLBENZENE	16.579	134	595730	48.09	PPBV		97
96)	1,2,4-TRIMETHYLBENZENE	16.588	105	2687686	49.67	PPBV		99
97)	BENZYL CHLORIDE	16.675	91	1577661	77.14	PPBV		99
98)	M-DICHLOROBENZENE	16.649	146	1650345	48.34	PPBV		100
99)	P-DICHLOROBENZENE	16.739	146	1699131	47.87	PPBV		100
100)	O-DICHLOROBENZENE	17.051	146	1624812	47.84	PPBV		99
101)	SEC-BUTYLBENZENE	16.878	134	741809	48.93	PPBV		99
102)	1,2,3-TRIMETHYLBENZENE	16.997	105	2571874	48.72	PPBV		99
103)	P-ISOPROPYLTOLUENE	17.067	134	821843	48.57	PPBV		98
104)	N-BUTYLBENZENE	17.431	134	861362	51.77	PPBV		99
105)	HEXACHLOROETHANE	17.608	117	1016583	64.36	PPBV		98
106)	HEXACHLOROBUTADIENE	18.659	225	1336000	52.86	PPBV		99
107)	1,2,4-TRICHLOROBENZENE	18.350	180	1756356	53.82	PPBV		99
108)	NAPHTHALENE	18.399	128	4403551	50.52	PPBV		100
110)	TVHC as equiv Pentane	2.303	TIC	2678485	35.13	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07982.D
Acq On : 19 Aug 2024 1:48 am
Operator : benk
Sample : ic305-40
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 03:03:06 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 03:01:24 2024
Response via : Initial Calibration

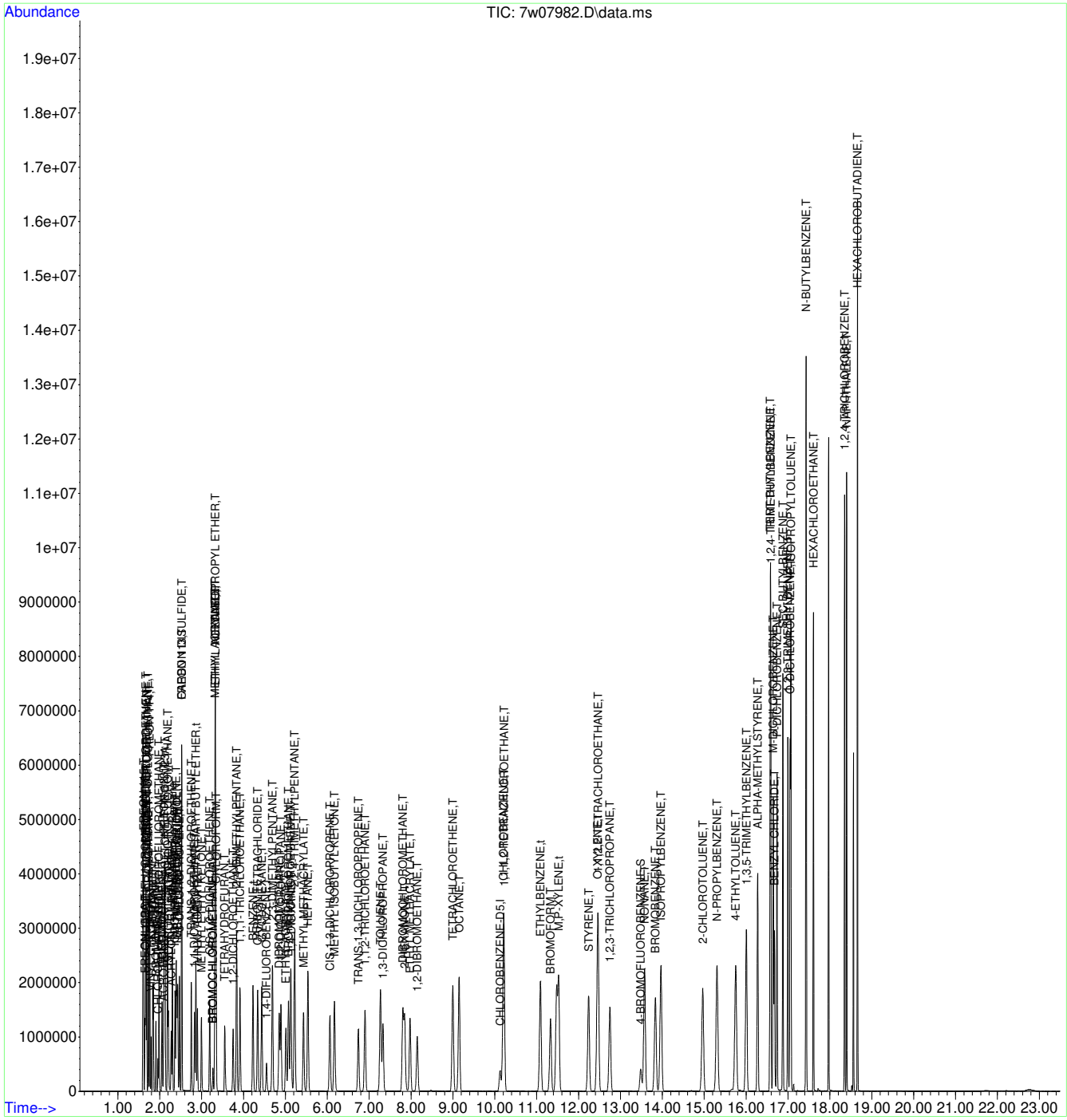
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07982.D
Acq On : 19 Aug 2024 1:48 am
Operator : benk
Sample : ic305-40
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 03:03:06 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 03:01:24 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07983.D
Acq On : 19 Aug 2024 2:28 am
Operator : benk
Sample : ic305-50
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 03:05:15 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 03:03:31 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.270	128	78494	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.550	114	389657	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.126	117	345790	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.270	128	78466	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.482	95	262126	10.33	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.615	119	245619	24.76	PPBV		99
3) FREON 152A	1.647	65	291677	52.67	PPBV		98
4) CHLORODIFLUOROMETHANE	1.660	67	141627	53.53	PPBV		95
5) CHLOROTRIFLUOROETHENE	1.669	116	690638	54.22	PPBV		96
6) DICHLORODIFLUOROMETHANE	1.689	85	1753161	54.12	PPBV		100
7) PROPYLENE	1.669	41	405362	53.41	PPBV		99
8) 1-CHLORO-1,1-DIFLUOROE...	1.724	65	1432344	53.33	PPBV		99
9) FREON 114	1.759	85	1558278	56.61	PPBV		100
10) CHLOROMETHANE	1.730	52	195627	48.91	PPBV		98
11) VINYL CHLORIDE	1.791	62	635465	51.19	PPBV		98
12) 1,3-BUTADIENE	1.833	54	540324	51.55	PPBV		98
13) N-BUTANE	1.846	43	998179	54.13	PPBV		99
14) BROMOMETHANE	1.907	94	514200	51.79	PPBV		99
15) CHLOROETHANE	1.955	64	333396	50.94	PPBV		90
16) DICHLOROFLUOROMETHANE	1.981	67	1339188	55.61	PPBV		99
17) ACETONITRILE	2.052	41	560405	43.66	PPBV		100
18) ACROLEIN	2.090	56	312569	58.59	PPBV		100
19) FREON 123	2.103	83	1374797	53.58	PPBV		100
20) FREON 123A	2.123	117	825932	56.70	PPBV		100
21) TRICHLOROFLUOROMETHANE	2.187	101	1536852	53.94	PPBV		99
22) ISOPROPYL ALCOHOL	2.206	45	1276024	45.28	PPBV		98
23) ACETONE	2.129	58	337983	34.21	PPBV		99
24) PENTANE	2.303	42	687480	49.97	PPBV		100
25) IODOMETHANE	2.364	142	1405240	57.19	PPBV		100
26) 1,1-DICHLOROETHYLENE	2.393	96	566307	53.41	PPBV		99
27) CARBON DISULFIDE	2.525	76	1762887	57.59	PPBV		96
28) ETHANOL	1.988	45	321155	35.32	PPBV		99
29) BROMOETHENE	2.058	106	524513	51.62	PPBV		99
30) ACRYLONITRILE	2.274	52	490384	49.31	PPBV		99
31) METHYLENE CHLORIDE	2.428	84	515055	45.51	PPBV		96
32) 3-CHLOROPROPENE	2.470	76	294143	55.20	PPBV		90
33) FREON 113	2.525	151	913434	55.78	PPBV		100
34) TRANS-1,2-DICHLOROETHENE	2.753	96	535169	50.25	PPBV		98
35) TERTIARY BUTYL ALCOHOL	2.409	59	1298839	53.98	PPBV		95
36) METHYL TERTIARY BUTYL ...	2.862	73	1507766	58.04	PPBV		100
37) TETRAHYDROFURAN	3.550	72	274817	57.11	PPBV		98
38) HEXANE	3.322	57	1158103	54.06	PPBV		99
39) VINYL ACETATE	2.901	86	146094	67.49	PPBV		93
40) 1,1-DICHLOROETHANE	2.830	63	1030008	52.95	PPBV		100
41) METHYL ETHYL KETONE	2.997	72	294713	56.98	PPBV		97
42) CIS-1,2-DICHLOROETHENE	3.193	96	589563	54.27	PPBV		99
43) DIISOPROPYL ETHER	3.328	59	332704	58.58	PPBV		98
44) ETHYL ACETATE	3.332	61	237324	56.89	PPBV		100
45) METHYL ACRYLATE	3.319	55	1426991	59.69	PPBV	#	26
46) CHLOROFORM	3.348	83	1214394	54.25	PPBV		100
47) 2,4-DIMETHYLPENTANE	3.836	57	1280289	56.90	PPBV		100
48) 1,1,1-TRICHLOROETHANE	3.917	97	1200423	58.91	PPBV		96
49) CARBON TETRACHLORIDE	4.338	117	1255040	61.56	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07983.D
Acq On : 19 Aug 2024 2:28 am
Operator : benk
Sample : ic305-50
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 03:05:15 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 03:03:31 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50) 1,2-DICHLOROETHANE	3.753	62	933342	55.50	PPBV		100
51) BENZENE	4.229	78	1758391	53.39	PPBV		100
53) CYCLOHEXANE	4.434	84	764340	54.51	PPBV		99
54) 2,3-DIMETHYLPENTANE	4.692	71	410142	58.19	PPBV		99
55) TRICHLOROETHENE	5.129	95	820753	55.00	PPBV		100
56) 1,2-DICHLOROPROPANE	4.894	63	728144	55.37	PPBV		100
57) DIBROMOMETHANE	4.856	174	664737	53.59	PPBV		100
58) ETHYL ACRYLATE	5.013	55	1729659	61.26	PPBV		99
59) BROMODICHLOROMETHANE	5.074	83	1366362	59.66	PPBV		99
60) 2,2,4-TRIMETHYLPENTANE	5.222	57	3472389	54.54	PPBV		99
61) 1,4-DIOXANE	5.135	88	411014	53.01	PPBV	#	91
62) HEPTANE	5.540	43	1257625	55.77	PPBV		100
63) METHYL METHACRYLATE	5.434	69	710742	58.53	PPBV		98
64) METHYL ISOBUTYL KETONE	6.171	58	700033	48.98	PPBV		100
65) CIS-1,3-DICHLOROPROPENE	6.065	75	1127356	63.16	PPBV		97
66) TOLUENE	7.270	91	2289185	55.74	PPBV		100
67) 1,3-DICHLOROPROPANE	7.331	76	1142857	56.64	PPBV		99
68) TRANS-1,3-DICHLOROPROPENE	6.743	75	969360	68.61	PPBV		96
69) 1,1,2-TRICHLOROETHANE	6.901	83	643667	56.79	PPBV		100
70) 2-HEXANONE	7.849	58	988014	47.05	PPBV		100
71) ETHYL METHACRYLATE	7.978	69	1193687	60.56	PPBV		99
72) TETRACHLOROETHENE	9.000	164	805208	53.86	PPBV		99
73) DIBROMOCHLOROMETHANE	7.804	129	1392250	64.12	PPBV		100
74) 1,2-DIBROMOETHANE	8.151	107	1218207	59.90	PPBV		99
75) OCTANE	9.151	43	1775513	52.82	PPBV		100
77) 1,1,1,2-TETRACHLOROETHANE	10.222	131	958162	64.01	PPBV		98
78) CHLOROBENZENE	10.209	112	1916033	56.71	PPBV		99
79) ETHYLBENZENE	11.090	91	3150833	55.86	PPBV		100
80) M,P-XYLENE	11.524	91	4833704	112.99	PPBV		98
81) O-XYLENE	12.457	91	2534915	57.72	PPBV		97
82) STYRENE	12.241	104	1921279	59.36	PPBV		99
83) NONANE	13.579	43	1935888	56.77	PPBV		99
84) BROMOFORM	11.331	173	1314897	70.33	PPBV		100
85) 1,1,2,2-TETRACHLOROETHANE	12.473	83	1856029	60.00	PPBV		100
86) 1,2,3-TRICHLOROPROPANE	12.752	75	1408047	59.04	PPBV		100
88) ISOPROPYLBENZENE	13.971	120	945561	57.37	PPBV		99
89) BROMOBENZENE	13.836	77	1768536	57.81	PPBV		99
90) 2-CHLOROTOLUENE	14.968	126	853495	55.39	PPBV		99
91) N-PROPYLBENZENE	15.305	120	1005505	58.13	PPBV		100
92) 4-ETHYLTOLUENE	15.756	105	3707934	61.82	PPBV		100
93) 1,3,5-TRIMETHYLBENZENE	16.010	105	3135087	59.17	PPBV		100
94) ALPHA-METHYLSTYRENE	16.280	118	1653911	62.16	PPBV		99
95) TERT-BUTYLBENZENE	16.579	134	766074	61.04	PPBV		98
96) 1,2,4-TRIMETHYLBENZENE	16.591	105	3471175	63.31	PPBV		99
97) BENZYL CHLORIDE	16.678	91	2221433	107.20	PPBV		99
98) M-DICHLOROBENZENE	16.649	146	2136121	61.75	PPBV		100
99) P-DICHLOROBENZENE	16.739	146	2201660	61.23	PPBV		100
100) O-DICHLOROBENZENE	17.051	146	2121120	61.64	PPBV		99
101) SEC-BUTYLBENZENE	16.881	134	961231	62.57	PPBV		99
102) 1,2,3-TRIMETHYLBENZENE	17.000	105	3311109	61.90	PPBV		100
103) P-ISOPROPYLTOLUENE	17.071	134	1069730	62.40	PPBV		99
104) N-BUTYLBENZENE	17.431	134	1119830	66.42	PPBV		100
105) HEXACHLOROETHANE	17.608	117	1352760	84.53	PPBV		99
106) HEXACHLOROBUTADIENE	18.662	225	1795989	70.14	PPBV		99
107) 1,2,4-TRICHLOROBENZENE	18.353	180	2392266	72.35	PPBV		99
108) NAPHTHALENE	18.402	128	6097099	69.04	PPBV		99
110) TVHC as equiv Pentane	2.303	TIC	3373992	43.59	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07983.D
Acq On : 19 Aug 2024 2:28 am
Operator : benk
Sample : ic305-50
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 03:05:15 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 03:03:31 2024
Response via : Initial Calibration

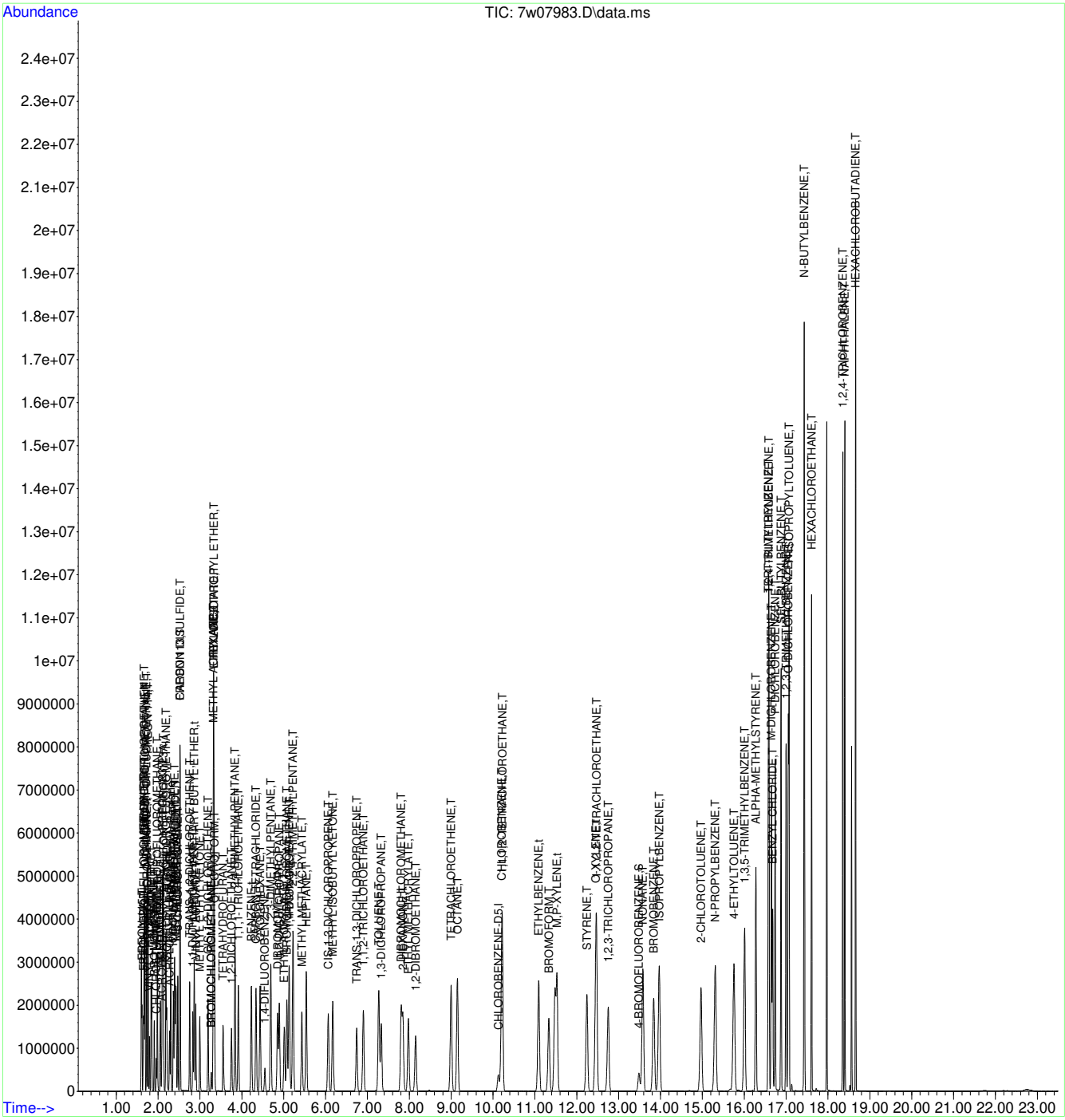
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07983.D
Acq On : 19 Aug 2024 2:28 am
Operator : benk
Sample : ic305-50
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 03:05:15 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 03:03:31 2024
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07990.D
Acq On : 19 Aug 2024 6:28 am
Operator : benk
Sample : icv305-10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 29 00:15:05 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.267	128	76227	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.547	114	379483	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.122	117	340309	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.267	128	76227	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.479	95	247947	9.93	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.614	119	109240	11.17	PPBV		99
3) FREON 152A	1.647	65	53753	10.19	PPBV		99
4) CHLORODIFLUOROMETHANE	1.656	67	25133	9.88	PPBV		97
5) CHLOROTRIFLUOROETHENE	1.669	116	122894	9.94	PPBV		96
6) DICHLORODIFLUOROMETHANE	1.685	85	332419	10.88	PPBV		100
7) PROPYLENE	1.669	41	70144	9.60	PPBV		99
8) 1-CHLORO-1,1-DIFLUOROE...	1.724	65	281408	11.00	PPBV		100
9) FREON 114	1.759	85	300241	11.55	PPBV		100
10) CHLOROMETHANE	1.730	52	38535	9.73	PPBV		99
11) VINYL CHLORIDE	1.791	62	125485	10.31	PPBV		98
12) 1,3-BUTADIENE	1.830	54	103362	10.44	PPBV		99
13) N-BUTANE	1.846	43	192783	10.67	PPBV		100
14) BROMOMETHANE	1.907	94	101749	10.45	PPBV		99
15) CHLOROETHANE	1.955	64	65638	10.53	PPBV		92
16) DICHLOROFLUOROMETHANE	1.981	67	265986	11.16	PPBV		99
17) ACETONITRILE	2.052	41	112948	9.54	PPBV		99
18) ACROLEIN	2.090	56	60791	10.23	PPBV		98
19) FREON 123	2.103	83	252173	10.42	PPBV		99
20) FREON 123A	2.119	117	145517	10.48	PPBV		99
21) TRICHLOROFLUOROMETHANE	2.187	101	303115	11.06	PPBV		100
22) ISOPROPYL ALCOHOL	2.212	45	271631	10.52	PPBV		99
23) ACETONE	2.132	58	65635	9.33	PPBV		98
24) PENTANE	2.303	42	132878	10.13	PPBV		99
25) IODOMETHANE	2.364	142	277095	11.72	PPBV		99
26) 1,1-DICHLOROETHYLENE	2.393	96	113020	11.08	PPBV		97
27) CARBON DISULFIDE	2.524	76	349631	11.76	PPBV		100
28) ETHANOL	1.991	45	58992	8.36	PPBV		99
29) BROMOETHENE	2.058	106	103369	11.10	PPBV		99
30) ACRYLONITRILE	2.274	52	96396	10.07	PPBV		99
31) METHYLENE CHLORIDE	2.428	84	104108	9.92	PPBV		96
32) 3-CHLOROPROPENE	2.470	76	56363	10.49	PPBV		93
33) FREON 113	2.524	151	183367	11.42	PPBV		99
34) TRANS-1,2-DICHLOROETHENE	2.753	96	107278	10.78	PPBV		100
35) TERTIARY BUTYL ALCOHOL	2.418	59	294471	11.88	PPBV		97
36) METHYL TERTIARY BUTYL ...	2.865	73	273981	10.96	PPBV		100
37) TETRAHYDROFURAN	3.556	72	51249	10.76	PPBV		97
38) HEXANE	3.319	57	196473	9.44	PPBV		100
39) VINYL ACETATE	2.901	86	25222	11.09	PPBV		87
40) 1,1-DICHLOROETHANE	2.827	63	191878	10.35	PPBV		100
41) METHYL ETHYL KETONE	2.997	72	52375	10.33	PPBV		99
42) CIS-1,2-DICHLOROETHENE	3.190	96	109602	10.39	PPBV		97
43) DIISOPROPYL ETHER	3.325	59	57566	10.63	PPBV		93
44) ETHYL ACETATE	3.328	61	39996	10.06	PPBV		99
45) METHYL ACRYLATE	3.315	55	245056	10.75	PPBV	#	26
46) CHLOROFORM	3.341	83	229319	10.75	PPBV		99
47) 2,4-DIMETHYLPENTANE	3.833	57	225377	10.13	PPBV		99
48) 1,1,1-TRICHLOROETHANE	3.910	97	204733	10.54	PPBV		97
49) CARBON TETRACHLORIDE	4.335	117	200635	10.52	PPBV		99

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07990.D
Acq On : 19 Aug 2024 6:28 am
Operator : benk
Sample : icv305-10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 29 00:15:05 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	3.749	62	169201	10.46	PPBV		99
51)	BENZENE	4.222	78	316278	10.07	PPBV		99
53)	CYCLOHEXANE	4.431	84	138874	10.36	PPBV		99
54)	2,3-DIMETHYLPENTANE	4.688	71	73542	10.71	PPBV		98
55)	TRICHLOROETHENE	5.122	95	147930	10.18	PPBV		99
56)	1,2-DICHLOROPROPANE	4.888	63	132436	10.24	PPBV		100
57)	DIBROMOMETHANE	4.849	174	125660	10.30	PPBV		99
58)	ETHYL ACRYLATE	5.010	55	296975	10.70	PPBV		99
59)	BROMODICHLOROMETHANE	5.068	83	239481	10.74	PPBV		100
60)	2,2,4-TRIMETHYLPENTANE	5.216	57	618959	10.08	PPBV		99
61)	1,4-DIOXANE	5.151	88	78243	9.84	PPBV	#	98
62)	HEPTANE	5.534	43	215703	10.00	PPBV		98
63)	METHYL METHACRYLATE	5.431	69	124844	10.75	PPBV		99
64)	METHYL ISOBUTYL KETONE	6.174	58	128395	9.67	PPBV		98
65)	CIS-1,3-DICHLOROPROPENE	6.058	75	172676	10.42	PPBV		98
66)	TOLUENE	7.264	91	409854	10.15	PPBV		99
67)	1,3-DICHLOROPROPANE	7.322	76	206984	10.43	PPBV		100
68)	TRANS-1,3-DICHLOROPROPENE	6.733	75	141799	10.43	PPBV		98
69)	1,1,2-TRICHLOROETHANE	6.894	83	119463	10.82	PPBV		99
70)	2-HEXANONE	7.852	58	184918	9.13	PPBV		100
71)	ETHYL METHACRYLATE	7.971	69	210624	10.97	PPBV		98
72)	TETRACHLOROETHENE	8.990	164	146582	10.16	PPBV		100
73)	DIBROMOCHLOROMETHANE	7.794	129	231313	10.94	PPBV		99
74)	1,2-DIBROMOETHANE	8.138	107	217379	11.18	PPBV		99
75)	OCTANE	9.141	43	307968	9.49	PPBV		98
77)	1,1,1,2-TETRACHLOROETHANE	10.212	131	157549	10.79	PPBV		99
78)	CHLOROBENZENE	10.199	112	345685	10.49	PPBV		99
79)	ETHYLBENZENE	11.080	91	562286	10.41	PPBV		99
80)	M,P-XYLENE	11.511	91	869508	20.39	PPBV		99
81)	O-XYLENE	12.440	91	442080	10.32	PPBV		97
82)	STYRENE	12.228	104	333475	10.76	PPBV		100
83)	NONANE	13.563	43	334870	9.89	PPBV		98
84)	BROMOFORM	11.315	173	199478	10.77	PPBV		99
85)	1,1,2,2-TETRACHLOROETHANE	12.456	83	324727	10.77	PPBV		99
86)	1,2,3-TRICHLOROPROPANE	12.736	75	250625	10.29	PPBV		100
88)	ISOPROPYLBENZENE	13.958	120	169216	10.43	PPBV		100
89)	BROMOBENZENE	13.820	77	313692	10.22	PPBV		99
90)	2-CHLOROTOLUENE	14.955	126	154799	10.41	PPBV		99
91)	N-PROPYLBENZENE	15.292	120	176747	10.58	PPBV		99
92)	4-ETHYLTOLUENE	15.742	105	631445	10.68	PPBV		100
93)	1,3,5-TRIMETHYLBENZENE	15.996	105	529517	10.64	PPBV		100
94)	ALPHA-METHYLSTYRENE	16.270	118	285116	10.78	PPBV		99
95)	TERT-BUTYLBENZENE	16.569	134	128929	10.83	PPBV		100
96)	1,2,4-TRIMETHYLBENZENE	16.578	105	562226	10.81	PPBV		99
97)	BENZYL CHLORIDE	16.668	91	224329	14.83	PPBV		100
98)	M-DICHLOROBENZENE	16.643	146	357907	10.31	PPBV		99
99)	P-DICHLOROBENZENE	16.730	146	364848	10.60	PPBV		100
100)	O-DICHLOROBENZENE	17.045	146	347951	10.47	PPBV		99
101)	SEC-BUTYLBENZENE	16.874	134	164754	11.00	PPBV		96
102)	1,2,3-TRIMETHYLBENZENE	16.993	105	547996	10.41	PPBV		99
103)	P-ISOPROPYLTOLUENE	17.064	134	181395	10.85	PPBV		99
104)	N-BUTYLBENZENE	17.427	134	180029	10.85	PPBV		97
105)	HEXACHLOROETHANE	17.604	117	174155	10.82	PPBV		100
106)	HEXACHLOROBUTADIENE	18.659	225	264758	10.60	PPBV		99
107)	1,2,4-TRICHLOROBENZENE	18.347	180	344052	10.34	PPBV		99
108)	NAPHTHALENE	18.395	128	945806	10.88	PPBV		100
110)	TVHC as equiv Pentane	2.303	TIC	662374	10.01	PPBV		100

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07990.D
Acq On : 19 Aug 2024 6:28 am
Operator : benk
Sample : icv305-10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 29 00:15:05 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

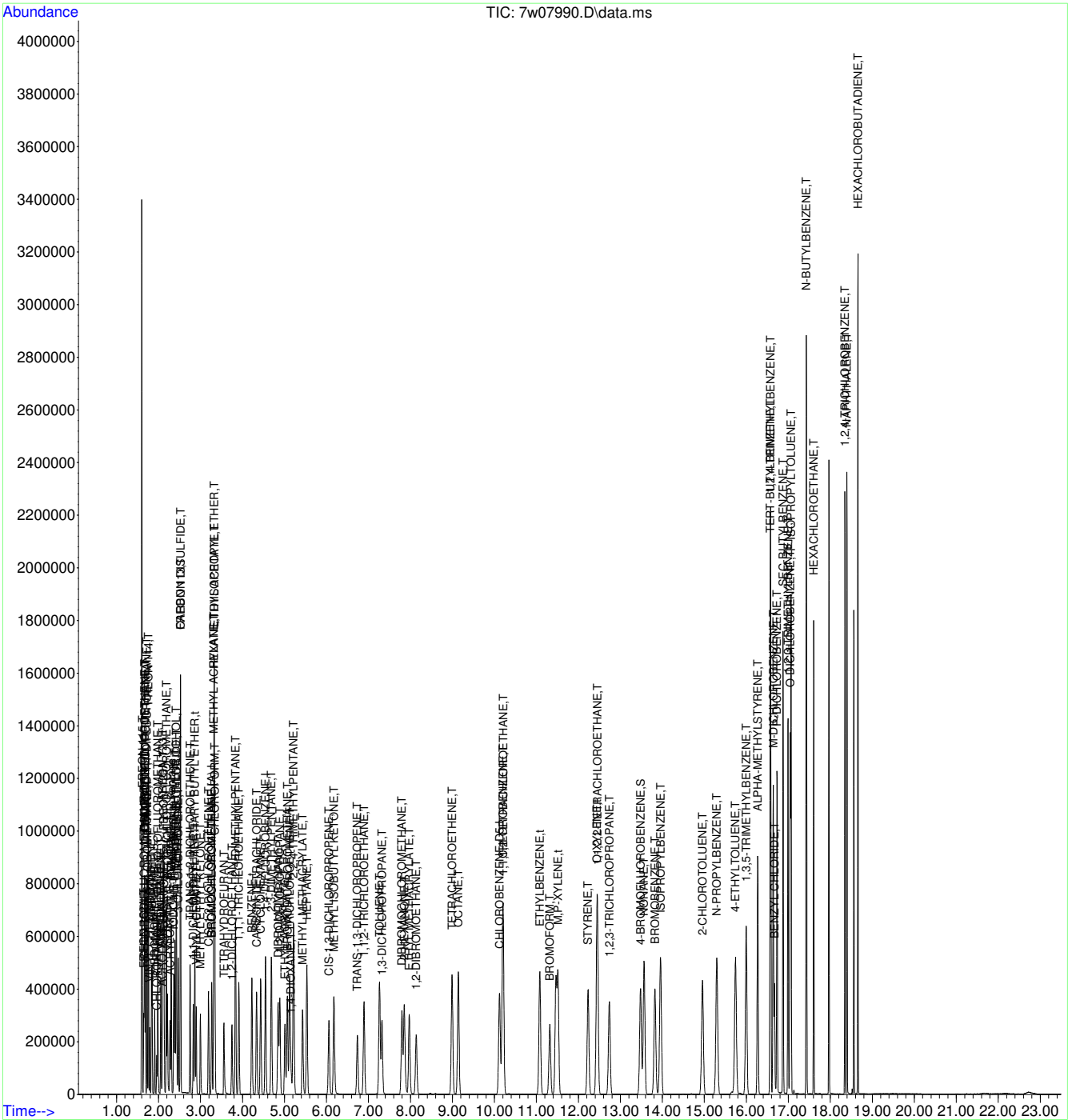
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07990.D
Acq On : 19 Aug 2024 6:28 am
Operator : benk
Sample : icv305-10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 29 00:15:05 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10576.D
Acq On : 18 Nov 2024 9:35 am
Operator : bkim
Sample : cc305-10 Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:25:37 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.277	128	60785	10.00	PPBV		0.01
52) 1,4-DIFLUOROBENZENE	4.554	114	318407	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.123	117	291110	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.277	128	60785	10.00	PPBV		0.01
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.479	95	198104	9.28	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.618	119	113904	14.6115	PPBV		97
3) FREON 152A	1.650	65	58252	13.8424	PPBV		86
4) CHLORODIFLUOROMETHANE	1.663	67	22548	11.1109	PPBV		98
5) CHLOROTRIFLUOROETHENE	1.673	116	126006	12.7755	PPBV		72
6) DICHLORODIFLUOROMETHANE	1.692	85	258130	10.5903	PPBV		96
7) PROPYLENE	1.670	41	73226	12.5735	PPBV		97
8) 1-CHLORO-1,1-DIFLUOROE...	1.727	65	176595	8.6534	PPBV		93
9) FREON 114	1.763	85	219367	10.5801	PPBV		96
10) CHLOROMETHANE	1.734	52	27990	8.8659	PPBV		93
11) VINYL CHLORIDE	1.798	62	98928	10.1918	PPBV		98
12) 1,3-BUTADIENE	1.837	54	78163	9.9046	PPBV		85
13) N-BUTANE	1.853	43	130976	9.0882	PPBV		97
14) BROMOMETHANE	1.914	94	79036	10.1826	PPBV		99
15) CHLOROETHANE	1.962	64	53235	10.7085	PPBV		88
16) DICHLOROFLUOROMETHANE	1.988	67	193041	10.1603	PPBV		97
17) ACETONITRILE	2.059	41	79921	8.4691	PPBV		98
18) ACROLEIN	2.097	56	45813	9.6699	PPBV		99
19) FREON 123	2.110	83	201941	10.4598	PPBV		98
20) FREON 123A	2.129	117	122795	11.0880	PPBV		96
21) TRICHLOROFLUOROMETHANE	2.194	101	218154	9.9806	PPBV		99
22) ISOPROPYL ALCOHOL	2.219	45	185164	8.9938	PPBV		95
23) ACETONE	2.139	58	55931	9.9687	PPBV		67
24) PENTANE	2.313	42	98623	9.4305	PPBV		92
25) IODOMETHANE	2.374	142	221386	11.7419	PPBV		90
26) 1,1-DICHLOROETHYLENE	2.399	96	84778	10.4231	PPBV		90
27) CARBON DISULFIDE	2.534	76	226201	9.5429	PPBV	#	91
28) ETHANOL	1.994	45	48617	8.6425	PPBV		98
29) BROMOETHENE	2.065	106	83038	11.1865	PPBV	#	97
30) ACRYLONITRILE	2.280	52	72323	9.4774	PPBV		96
31) METHYLENE CHLORIDE	2.438	84	75641	9.0358	PPBV		81
32) 3-CHLOROPROPENE	2.480	76	40143	9.3713	PPBV	#	64
33) FREON 113	2.531	151	133379	10.4200	PPBV		93
34) TRANS-1,2-DICHLOROETHENE	2.760	96	90620	11.4238	PPBV		97
35) TERTIARY BUTYL ALCOHOL	2.422	59	178450	9.0300	PPBV		92
36) METHYL TERTIARY BUTYL ...	2.872	73	237675	11.9255	PPBV		98
37) TETRAHYDROFURAN	3.563	72	45414	11.9586	PPBV		98
38) HEXANE	3.325	57	189796	11.4405	PPBV		89
39) VINYL ACETATE	2.907	86	21344	11.7644	PPBV		84
40) 1,1-DICHLOROETHANE	2.837	63	185111	12.5230	PPBV		99
41) METHYL ETHYL KETONE	3.007	72	48844	12.0820	PPBV		93
42) CIS-1,2-DICHLOROETHENE	3.200	96	95378	11.3375	PPBV		99
43) DIISOPROPYL ETHER	3.332	59	53282	12.3430	PPBV		85
44) ETHYL ACETATE	3.338	61	37519	11.8340	PPBV		80
45) METHYL ACRYLATE	3.322	55	218966	12.0500	PPBV	#	26
46) CHLOROFORM	3.348	83	183591	10.7906	PPBV		95
47) 2,4-DIMETHYLPENTANE	3.840	57	217186	12.2384	PPBV		97
48) 1,1,1-TRICHLOROETHANE	3.920	97	179721	11.6039	PPBV		96
49) CARBON TETRACHLORIDE	4.341	117	188242	12.3820	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10576.D
Acq On : 18 Nov 2024 9:35 am
Operator : bkim
Sample : cc305-10 Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:25:37 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	3.756	62	136186	10.5541	PPBV		99
51)	BENZENE	4.229	78	287054	11.4643	PPBV		97
53)	CYCLOHEXANE	4.438	84	122945	10.9323	PPBV		90
54)	2,3-DIMETHYLPENTANE	4.695	71	66429	11.5345	PPBV		92
55)	TRICHLOROETHENE	5.126	95	124262	10.1896	PPBV		97
56)	1,2-DICHLOROPROPANE	4.894	63	125410	11.5600	PPBV		94
57)	DIBROMOMETHANE	4.856	174	108654	10.6178	PPBV		92
58)	ETHYL ACRYLATE	5.013	55	267659	11.4928	PPBV		99
59)	BROMODICHLOROMETHANE	5.075	83	201360	10.7597	PPBV		99
60)	2,2,4-TRIMETHYLPENTANE	5.222	57	593969	11.5245	PPBV		98
61)	1,4-DIOXANE	5.152	88	67571	10.1241	PPBV	#	92
62)	HEPTANE	5.538	43	200831	11.0999	PPBV		98
63)	METHYL METHACRYLATE	5.435	69	111342	11.4310	PPBV		93
64)	METHYL ISOBUTYL KETONE	6.174	58	116688	10.4765	PPBV		88
65)	CIS-1,3-DICHLOROPROPENE	6.062	75	168984	12.1544	PPBV		86
66)	TOLUENE	7.267	91	344235	10.1611	PPBV		100
67)	1,3-DICHLOROPROPANE	7.325	76	174071	10.4582	PPBV		100
68)	TRANS-1,3-DICHLOROPROPENE	6.740	75	139249	12.2098	PPBV		85
69)	1,1,2-TRICHLOROETHANE	6.898	83	101012	10.9059	PPBV		98
70)	2-HEXANONE	7.849	58	163348	9.6093	PPBV		87
71)	ETHYL METHACRYLATE	7.972	69	179505	11.1440	PPBV		94
72)	TETRACHLOROETHENE	8.994	164	132275	10.9275	PPBV		97
73)	DIBROMOCHLOROMETHANE	7.801	129	200550	11.3029	PPBV		99
74)	1,2-DIBROMOETHANE	8.142	107	182038	11.1564	PPBV		100
75)	OCTANE	9.142	43	274062	10.0697	PPBV		98
77)	1,1,1,2-TETRACHLOROETHANE	10.209	131	144332	11.5604	PPBV		94
78)	CHLOROBENZENE	10.200	112	276377	9.8077	PPBV		99
79)	ETHYLBENZENE	11.081	91	454221	9.8333	PPBV		97
80)	M,P-XYLENE	11.508	91	696539	19.0900	PPBV		99
81)	O-XYLENE	12.441	91	354868	9.6873	PPBV		99
82)	STYRENE	12.232	104	275318	10.3876	PPBV		97
83)	NONANE	13.563	43	281389	9.7128	PPBV		94
84)	BROMOFORM	11.322	173	186323	11.7618	PPBV		99
85)	1,1,2,2-TETRACHLOROETHANE	12.454	83	264100	10.2355	PPBV		98
86)	1,2,3-TRICHLOROPROPANE	12.737	75	200411	9.6181	PPBV		100
88)	ISOPROPYLBENZENE	13.958	120	135526	9.7674	PPBV		94
89)	BROMOBENZENE	13.823	77	247703	9.4364	PPBV		95
90)	2-CHLOROTOLUENE	14.955	126	120539	9.4762	PPBV		99
91)	N-PROPYLBENZENE	15.299	120	141576	9.9091	PPBV		100
92)	4-ETHYLTOLUENE	15.740	105	515336	10.1876	PPBV		100
93)	1,3,5-TRIMETHYLBENZENE	15.994	105	416897	9.7951	PPBV		98
94)	ALPHA-METHYLSTYRENE	16.270	118	212144	9.3804	PPBV		99
95)	TERT-BUTYLBENZENE	16.569	134	102158	10.0338	PPBV		93
96)	1,2,4-TRIMETHYLBENZENE	16.579	105	434416	9.7670	PPBV		100
97)	BENZYL CHLORIDE	16.669	91	257456	19.8916	PPBV		97
98)	M-DICHLOROBENZENE	16.640	146	290983	9.8030	PPBV		97
99)	P-DICHLOROBENZENE	16.730	146	295431	10.0349	PPBV		97
100)	O-DICHLOROBENZENE	17.042	146	277787	9.7722	PPBV		97
101)	SEC-BUTYLBENZENE	16.875	134	130027	10.1472	PPBV		90
102)	1,2,3-TRIMETHYLBENZENE	16.990	105	415375	9.2243	PPBV		99
103)	P-ISOPROPYLTOLUENE	17.064	134	139585	9.7620	PPBV		94
104)	N-BUTYLBENZENE	17.421	134	139967	9.8616	PPBV		88
105)	HEXACHLOROETHANE	17.598	117	159918	11.6099	PPBV		96
106)	HEXACHLOROBUTADIENE	18.650	225	220878	10.3419	PPBV		99
107)	1,2,4-TRICHLOROBENZENE	18.341	180	269758	9.4800	PPBV		100
108)	NAPHTHALENE	18.386	128	626781	8.4309	PPBV		100
110)	TVHC as equiv Pentane	2.313	TIC	466760	8.8472	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10576.D
Acq On : 18 Nov 2024 9:35 am
Operator : bkim
Sample : cc305-10 Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:25:37 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

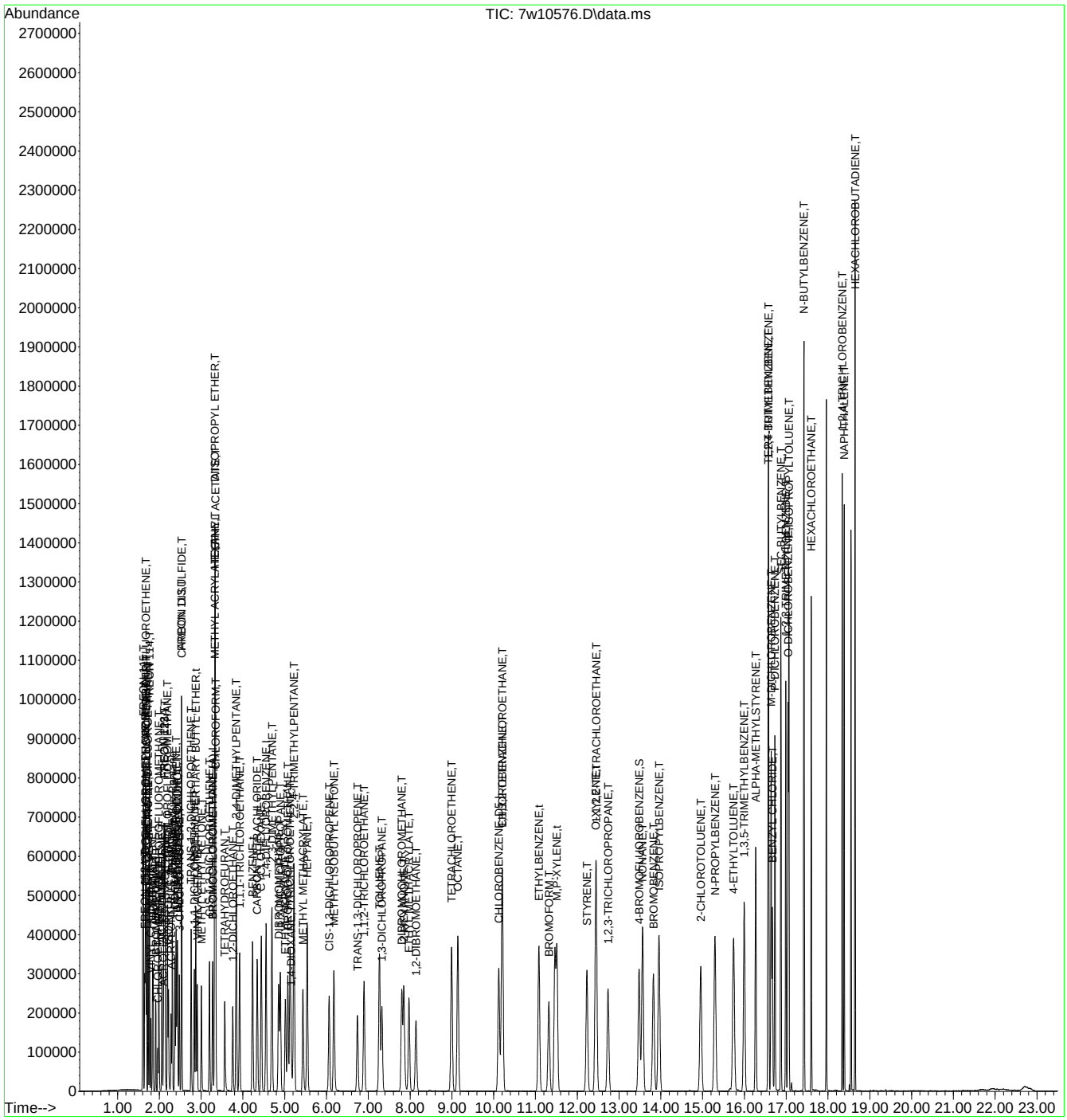
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10576.D
Acq On : 18 Nov 2024 9:35 am
Operator : bkim
Sample : cc305-10 Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:25:37 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	A1739	AS9819	12/31/2024	100
TO-15 STD	A1784	AS10508	12/30/2024	0.5
TO-15 STD	A2040	AS10510	1/5/2025	5.0
TO-15 STD	A1788	AS10499	12/28/2024	50
TO-15 LCS	A1795	AS10507	12/29/2024	50
TO-15 LCS (Stock)	CC-305926	AS10352	6/12/2025	1000
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: V5W2125
Date: 12/8/2024
Laboratory Analyst: Benjamin Kim
Columns: Rtx-1 (60m x 0.32mm x 1.0um)
GCMS Method: 5WTO15.M
Sequence File: 5W20241208ical.S
Initial Calibration Method: M5W2125.M
Concentrator Method: 5WTO15A.CTD3
Data Validator(s): Thomas Hilbig

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS
1-6	ib	5w55453			A2040	20					-	
1-3	ib	5w55454			A1784	20					-	
1-2	ib	5w55455			A959	20					-	
1-2	ib	5w55456			A959	20					-	
1-2	ib	5w55457			A959	20					-	
1-3	bfb	5w55458			A1784	32					OK	T = 10:53
1-3	ic2125-0.04	5w55459			A1784	32			√	√	OK	
1-3	ic2125-0.1	5w55460			A1784	80			√	√	OK	
1-3	ic2125-0.2	5w55461			A1784	160			√	√	OK	
1-3	ic2125-0.5	5w55462			A1784	400					NOT USED	Testing Purposes
1-6	ic2125-0.5	5w55463			A2040	40			√	√	OK	
1-6	ic2125-5	5w55464			A2040	400			√	√	OK	
1-1	ic2125-5	5w55465			A1788	40					NOT USED	Testing Purposes
1-1	icc2125-10	5w55466			A1788	80			√	√	OK	
1-1	ic2125-20	5w55467			A1788	160			√	√	OK	
1-1	ic2125-40	5w55468			A1788	320			√	√	OK	
1-1	ic2125-50	5w55469			A1788	400			√	√	OK	
1-2	ib	5w55470			A959	200					-	
1-2	ib	5w55471			A959	100					-	
1-5	icv2125-10	5w55472			A1795	80					RR	Nap ↑
1-5	icv2125-10	5w55473			A1795	80			√	√	OK	

CANISTER SECONDARY DILUTION LOG

Pressure Gauge ID: TG -		5	Original Canister Dilution				Secondary Canister Dilution						
Date	**Initial**	**Sample ID**	**Canister SN**	**Vacuum at Time of Dilution (inHg)**	**Final Pressure (psig)**	**Dilution Factor**	**Canister SN**	**Canister Volume (cc)**	**Sample Volume Added (cc)**	**Final Pressure (psig)**	**Equivalent Total Volume (cc)**	**Dilution Factor**	**Final Canister Dilution Factor**

Definition: Final Canister Dilution Factor (DF) = (Original Canister DF) x (Secondary Canister DF)
Dilution Factor at Instrument = Final Canister Dilution Factor x [Nominal Sampling Volume (cc) / Sample Volume Injected (cc)]

Example: Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig (750cc equivalent volume). This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister, 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20 (from canister dilution) and 20 (from instrument dilution) = 400.

Notes:

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	A1739	AS9819	12/31/2024	100
TO-15 STD	A974	AS10497	12/28/2024	50
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: V5W2133
Date: 12/17/2024
Laboratory Analyst: Thomas Hilbig
Columns: Rtx-1 (60m x 0.32mm x 1.0um)
GCMS Method: 5WTO15.M
Sequence File: 5W20241217.S
Initial Calibration Method: M5W2125.M
Concentrator Method: 5WTO15A.CTD3
Data Validator(s): Geralyn Gomez

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS
1-2	bfb	5w55695			Open position	20					RR	
1-1	cc2125-10	5w55696			A974	80					RR	canister valve closed
1-1	cc2125-10	5w55697			a974	80					RR	Bad injection.
1-1	cc2125-10	5w55698			a974	80					RR	Acetone ↓. Retune instrument
1-2	bfb	5w55699			Open position	20					OK	T = 19:52
1-1	cc2125-10	5w55700			a974	80			√	√	OK	THF ↑, MEK ↑, diisopropyl ether ↑, ethyl acetate ↑, ethyl acrylate ↑, bromoform ↑, HCBD ↑, 124TCB ↑
1-1	bs	5w55701			a974	80			√	√	OK	MEK ↑, bromoform ↑, HCBD ↑, 124TCB ↑
1-1	bsd	5w55702			a974	80					RR	Bad injection.
1-1	bsd	5w55703			a974	80			√	√	OK	THF ↑, MEK ↑, ethyl acetate ↑, ethyl acrylate ↑, bromoform ↑, HCBD ↑
1-2	ib	5w55704			a2039	80					-	
1-2	ib	5w55705			a2039	200					-	
1-2	mb	5w55706			a2039	400			√	√	OK	
1-3	scc,cp12947	5w55707			a061	400			√	√	OK	
1-4	scc,cp12946	5w55708			a2175	400			√	√	RECLEAN	Multiple hits.
1-3	scc,cp12948	5w55709			a2150	400			√	√	OK	
1-4	scc,cp12946	5w55710			a1184	400			√	√	RECLEAN	Nap ↑, 124TCB ↑
1-3	scc,cp12946	5w55711			m162	400			√	√	RECLEAN	ethanol hit
1-2	scc,cp12947	5w55712			a466	400			√	√	OK	
1-4	scc,cp12946	5w55713			a1184	400			√	√	OK	
1-3	scc,cp12947	5w55714			a2119	400			√	√	OK	
1-5	je2488-1	5w55715	MS88104	NYLL	a1324	500	1		↓123	√	RR	ISTD out
1-6	je2488-2	5w55716	MS88104	NYLL	a879	500	1		↓1	√	OK	for QC purpose only
1-6	je2488-2dup	5w55717	MS88104	NYLL	a879	500	1		↑1	√	OK	
1-7	je2489-2	5w55718	MS88104	NYLL	a1629	500	1		↓123	√	OK/DL	ISTD out
1-8	je2489-4	5w55719	MS88104	NYLL	a1190	500	1		↓123	√	RR	ISTD out
1-9	je2490-2	5w55720	MS88104	NYLL	a1736	500	1		↓1	√	OK/DL	
1-10	je2490-4	5w55721	MS88104	NYLL	a2540	500	1		√	√	OK/DL	
1-11	je2491-2	5w55722	MS88104	NYLL	a1735	500	1		√	√	OK/DL	
1-12	je2491-4	5w55723	MS88104	NYLL	a1688	500	1		√	√	OK/DL	
1-13	je2487-2	5w55724	MS88104	NYLL	a1678	100	1		√	√	OK	
1-14	je2487-4	5w55725	MS88104	NYLL	a1659	20	1		√	√	OK	
1-15	je2487-6	5w55726	MS88104	NYLL	a1284	100	1					Sequence stopped by analyst
1-16	je2487-3	5w55727	MS88104	NYSVLL	a1737	200	1					Sequence stopped by analyst

CANISTER SECONDARY DILUTION LOG

Pressure Gauge ID: TG -	5	Original Canister Dilution				Secondary Canister Dilution						
Date	Initial	Sample ID	Canister SN	Vacuum at Time of	Final Pressure (psig)	Dilution Factor	Canister SN	Canister	Sample Volume	Final Pressure	Equivalent Total Volume	Dilution Factor	Final Canister Dilution Factor

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	A1739	AS9819	12/31/2024	100
TO-15 STD	A974	AS10497	12/28/2024	50
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: V5W2133
Date: 12/17/2024
Laboratory Analyst: Thomas Hilbig
Columns: Rtx-1 (60m x 0.32mm x 1.0um)
GCMS Method: 5WTO15.M
Sequence File: 5W20241217.S
Initial Calibration Method: M5W2125.M
Concentrator Method: 5WTO15A.CTD3
Data Validator(s): Geralyn Gomez

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE		Canister	Injection	Dilution	TICS	Areas		STATUS	COMMENTS	
						SN	Volume (cc)			IS	SS			
Date	Initial	Sample ID	Canister SN	Dilution (inHg)	Final Pressure (psig)	Dilution Factor	Canister SN	Volume (cc)	Added (cc)	(psig)		(cc)	Dilution Factor	Final Canister Dilution Factor

Definition: Final Canister Dilution Factor (DF) = (Original Canister DF) x (Secondary Canister DF)
Dilution Factor at Instrument = Final Canister Dilution Factor x [Nominal Sampling Volume (cc) / Sample Volume Injected (cc)]

Example: Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig (750cc equivalent volume). This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister, 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20 (from canister dilution) and 20 (from instrument dilution) = 400.

Notes:

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	A1739	AS9819	12/31/2024	100
TO-15 STD	A974	AS10497	12/28/2024	50
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: V5W2136
Date: 12/20/2024
Laboratory Analyst: Thomas Hilbig
Columns: Rtx-1 (60m x 0.32mm x 1.0um)
GCMS Method: 5WTO15.M
Sequence File: 5W20241220.S
Initial Calibration Method: M5W2125.M
Concentrator Method: 5WTO15A.CTD3
Data Validator(s): Lucky Carandang

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS
1-2	bfb	5w55775			a2039	20					RR	
1-1	cc2125-10	5w55776			A974	80					NG	Multiple compounds ↑ retune instrument.
1-2	bfb	5w55777			a2039	20					OK	T = 10:31
1-1	cc2125-10	5w55778			A974	80			√	√	OK	F115 ↑, acetone ↓, THF ↑, MEK ↑, EACE ↑, DBM ↑, BMF ↑, HCBD ↑, 124TCB ↑
1-1	bs	5w55779			A974	80			√	√	OK	F115 ↑, 1,3-butadiene ↓, acetone ↓, THF ↑, MEK ↑, DBM ↑, BMF ↑, HCBD ↑, 124TCB ↑
1-1	bsd	5w55780			A974	80					RR	
1-1	bsd	5w55781			A974	80			√	√	OK	1,3-butadiene ↑, butane ↑, BRM ↑, CE ↑, ACNIT ↑, ACE ↑, EtOH ↑, THF ↑, MEK ↑, DBM ↑, EMC ↑, BMF ↑, HCBD ↑, 124TCB ↑
1-2	ib	5w55782			a2039	400					-	
1-2	mb	5w55783			a2039	400			√	√	OK	
1-3	je2665-1	5w55784	MS88187	STD, Nap	a2388	100	1		√	√	OK	
1-3	je2665-1dup	5w55785	MS88187	STD, Nap	a2388	100	1		√	√	OK	
1-4	je2489-2	5w55786	MS88104	NYLL	a1629	725	1.45		√	√	OK	
1-4	je2489-2	5w55787	MS88104	NYLL	a1629	100	1.45		√	√	OK	
1-5	je2489-3	5w55788	MS88104	NYSVLL	a1641	400	1		√	√	OK	
1-6	je2489-4	5w55789	MS88104	NYLL	a1190	740	1.48		√	√	OK	
1-7	je2490-1	5w55790	MS88104	NYSVLL	a761	80	1		√	√	OK	f/d
1-8	je2490-2	5w55791	MS88104	NYLL	a1736	725	1.45		√	√	OK	
1-8	je2490-2	5w55792	MS88104	NYLL	a1736	10	1.45		√	√	OK	
1-9	je2490-3	5w55793	MS88104	NYSVLL	a1293	200	1		√	√	OK	
1-10	je2490-4	5w55794	MS88104	NYLL	a2540	20	1		√	√	OK	
1-11	je2491-1	5w55795	MS88104	NYSVLL	a1726	100	1		√	√	OK	
1-12	je2491-2	5w55796	MS88104	NYLL	a1735	10	1		√	√	OK	f/d
1-13	je2491-3	5w55797	MS88104	NYSVLL	a1480	200	1		√	√	OK	
1-14	je2491-4	5w55798	MS88104	NYLL	a1688	10	1		√	√	OK	f/d
1-15	je2670-1	5w55799	MS88187	8010L	a1867	400	1		√	√	OK	
1-16	je2670-2	5w55800	MS88187	8010L	a1339	400	1		√	√	OK	

CANISTER SECONDARY DILUTION LOG

Pressure Gauge ID: TG -		5	Original Canister Dilution				Secondary Canister Dilution						
Date	**Initial**	**Sample ID**	**Canister SN**	**Vacuum at Time of Dilution (inHg)**	**Final Pressure (psig)**	**Dilution Factor**	**Canister SN**	**Canister Volume (cc)**	**Sample Volume Added (cc)**	**Final Pressure (psig)**	**Equivalent Total Volume (cc)**	**Dilution Factor**	**Final Canister Dilution Factor**
12/20/2024	TH	je2489-2	a1629	7.5	1.30	1.45					0	#DIV/0!	**1.45**
12/20/2024	TH	je2489-4	a1190	8.0	1.20	1.48					0	#DIV/0!	**1.48**
12/20/2024	TH	je2490-2	a1736	7.5	1.30	1.45					0	#DIV/0!	**1.45**

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	A1739	AS9819	12/31/2024	100
TO-15 STD	A974	AS10497	12/28/2024	50
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: V5W2136
Date: 12/20/2024
Laboratory Analyst: Thomas Hilbig
Columns: Rtx-1 (60m x 0.32mm x 1.0um)
GCMS Method: 5WTO15.M
Sequence File: 5W20241220.S
Initial Calibration Method: M5W2125.M
Concentrator Method: 5WTO15A.CTD3
Data Validator(s): Lucky Carandang

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS
Definition:	Final Canister Dilution Factor (DF) = (Original Canister DF) x (Secondary Canister DF) Dilution Factor at Instrument = Final Canister Dilution Factor x [Nominal Sampling Volume (cc) / Sample Volume Injected (cc)]											
Example:	Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig (750cc equivalent volume). This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister, 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20 (from canister dilution) and 20 (from instrument dilution) = 400.											
Notes:												

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	A1739	AS9819	12/31/2024	100
TO-15 STD	A974	AS10497	12/28/2024	50
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: V5W2138
Date: 12/23/2024
Laboratory Analyst: Thomas Hilbig
Columns: Rtx-1 (60m x 0.32mm x 1.0um)
GCMS Method: 5WTO15.M
Sequence File: 5W20241223.S
Initial Calibration Method: M5W2125.M
Concentrator Method: 5WTO15A.CTD3
Data Validator(s): Geralyn Gomez
Data Validator(s): Kristel Valladolid

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS
1-2	bfb	5w55817			a2039	20					RR	
1-1	bfb	5w55818			A974	80					OK	T = 08:13
1-1	cc2125-10	5w55819			A974	80			√	√	OK	BMF ↑, HCBD ↑, 124TCB ↑
1-1	bs	5w55820			A974	80			√	√	OK	BMF ↑, HCBD ↑, 124TCB ↑
1-1	bsd	5w55821			A974	80			√	√	OK	BMF ↑, HCBD ↑, 124TCB ↑
1-2	ib	5w55822			a2039	400			√	√	OK	
1-2	mb	5w55823			a2039	400			√	√	OK	
1-2	scc,cp12951	5w55824			a1634	400			√	√	OK	
1-3	je2315-1	5w55825	MS88014	STD	a210	400	1		√	√	OK	
1-3	je2315-1dup	5w55826	MS88014	STD	a210	400	1		√	√	OK	
1-4	je2487-1	5w55827	MS88104	NYSVLL, Nap	m140	100	1		√	√	OK	
1-5	je2487-5	5w55828	MS88104	NYSVLL, Nap	a1597	100	1		√	√	OK	
1-6	je2489-1	5w55829	MS88104	NYSVLL, Nap	a231	400	1		√	√	OK	
1-7	je2490-1	5w55830	MS88104	NYSVLL, Nap	a1761	20	1		√	√	OK	
1-8	je2491-2	5w55831	MS88104	NYLL, Nap	a1735,m442	200	135		√	√	OK	
1-9	je2491-4	5w55832	MS88104	NYLL, Nap	a1688	5	1		√	√	OK/DL	Acetate ↑ RR 200x
1-10	je2661-3	5w55833	MS88187	STD	a664	400	1		√	√	OK	
1-11	je2661-4	5w55834	MS88187	STD	m116	400	1		√	√	OK	
1-12	je2661-5	5w55835	MS88187	STD	a2137	400	1		√	√	OK	
1-13	je2792-1	5w55836	MS88386	STD	a738	400	1		√	√	OK	
1-14	je2792-2	5w55837	MS88386	STD	a2109	400	1		√	√	OK	
1-15	je2792-3	5w55838	MS88386	STD	a1817	400	1		√	√	OK/DL	Ethyl acetate ↑ RR 100mL
1-16	je2792-4	5w55839	MS88386	STD	a1873	720	1.8		√	√	OK	
1-2	je2792-5	5w55840	MS88386	STD	m137	400	1				RR	Canister valve closed.

CANISTER SECONDARY DILUTION LOG

Pressure Gauge ID: TG -		5	Original Canister Dilution				Secondary Canister Dilution						
Date	**Initial**	**Sample ID**	**Canister SN**	**Vacuum at Time of Dilution (inHg)**	**Final Pressure (psig)**	**Dilution Factor**	**Canister SN**	**Canister Volume (cc)**	**Sample Volume Added (cc)**	**Final Pressure (psig)**	**Equivalent Total Volume (cc)**	**Dilution Factor**	**Final Canister Dilution Factor**
12/23/2024	TH	je2491-2	a1735	6.0	1.20	1.35	m442	1000	20	14.7	2000	100	**135**

Definition: Final Canister Dilution Factor (DF) = (Original Canister DF) x (Secondary Canister DF)
Dilution Factor at Instrument = Final Canister Dilution Factor x [Nominal Sampling Volume (cc) / Sample Volume Injected (cc)]

Example: Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig (750cc equivalent volume). This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister, 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20 (from canister dilution) and 20 (from instrument dilution) = 400.

Notes:

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Conc. (ppbv)**
Internal/Surrogate	1738	AS10298	5/31/2025	100
TO-15 STD	A2038	AS10402	9/18/2024	0.5
TO-15 STD	A2045	AS10401	9/18/2024	5.0
TO-15 STD	A1805	AS10384	9/14/2024	50
TO-15 LCS	A1795	AS10393	9/15/2024	50
TO-15 LCS (Stock)	CC-305926	AS10352	6/12/2025	1000
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: V7W305
Date: 8/18/2024
Laboratory Analyst: Benjamin Kim
Columns: Rtx-1 (60mx0.32mmx1.0um)
GCMS Method: 7WTO15SPLIT.M
Sequence File: 7W20240818ical.S
Initial Calibration Method: M7W305.M
Concentrator Method: 7WTO15.7200A.CTD
Data Validator: Benjamin Kim

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS
2-5	ib	7w07973			A2036	100					-	
2-1	bfb	7w07974			A2038	32					OK	T = 21:06
2-1	ic305-0.04	7w07975	MS80966	STD+NAP	A2038	32			√	√	OK	
2-1	ic305-0.1	7w07976	MS80966	STD+NAP	A2038	80			√	√	OK	
2-1	ic305-0.2	7w07977	MS80966	STD+NAP	A2038	160			√	√	OK	
2-2	ic305-0.5	7w07978	MS80966	STD+NAP	A2045	40			√	√	OK	
2-2	ic305-5	7w07979	MS80966	STD+NAP	A2045	400			√	√	OK	
2-3	icc305-10	7w07980	MS80966	STD+NAP	A1805	80			√	√	OK	
2-3	ic305-20	7w07981	MS80966	STD+NAP	A1805	160			√	√	OK	
2-3	ic305-40	7w07982	MS80966	STD+NAP	A1805	320			√	√	OK	
2-3	ic305-50	7w07983	MS80966	STD+NAP	A1805	400			√	√	OK	
2-5	ib	7w07984			A2036	20					-	
2-5	ib	7w07985			A2036	100					-	
2-4	icv305-10	7w07986	MS80966	STD+NAP	A1795	100					NOT USED	Wrong volume.
2-5	ib	7w07987			A2036	100					-	
2-5	ib	7w07988			A2036	100					-	
2-5	ib	7w07989			A2036	100					-	
2-4	icv305-10	7w07990	MS80966	STD+NAP	A1795	80			√	√	OK	↑ Benzyl Chloride

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	1738	AS10298	5/31/2025	100
TO-15 STD	a1805	AS10476	11/28/2024	50
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: V7W387
Date: 11/18//2024
Laboratory Analyst: Thomas Hilbig
Column DB-1: 30m x 0.25mm x 0.5um
GCMS Method: 7WTO15SPLIT.M
Sequence File: 7W20241118.S
Initial Calibration Method: M7W305.M
Concentrator Method: 7WTO15C.7200A.CTD
Data Validator(s): Lucky Carandang
Data Validator(s): Kristel Valladolid

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS
C1	bfb	7w10575			a2039	20					OK	t = 08:59
C2	cc305-10	7w10576			a1805	80			√	√	OK	Benzyl chloride ↑, F115 ↑
C2	bs	7w10577			a1805	80			√	√	OK	Benzyl chloride ↑, F115 ↑, F152A ↑
C2	bsd	7w10578			a1805	80			√	√	OK	Benzyl chloride ↑, F115 ↑, F152A ↑
C1	ib	7w10579			a2039	100					-	
C1	mb	7w10580			a2039	400		+	√	√	OK	
C3	je571-1	7w10581	MS87221	VTO15NYLL3NG42A+20, F142B	m036	100	1		√	√	RR	Bad purge
C4	jd99820-1	7w10582	MS86930	SL1	a900	400	1		√	√	OK	
C4	jd99820-1dup	7w10583	MS86930	SL1	a900	400	1		√	√	OK	
C5	je569-1	7w10584	MS87221	STD+, Nap	a473	400	1	+	√	√	OK	
C6	je569-3	7w10585	MS87221	STD+, Nap	a345	400	1	+	√	√	RR	Bad purge
C7	je569-4	7w10586	MS87221	STD+, Nap	a1835	400	1	+	√	√	OK	
C8	je569-5	7w10587	MS87221	STD+, Nap	a1350	400	1	+	√	√	OK	
C9	je569-6	7w10588	MS87221	STD+, Nap	a1301	400	1	+	√	√	OK	
D1	je569-8	7w10589	MS87221	STD+, Nap	m226	400	1	+			RR	4-Bromofluorobenzene RT shift
D2	je569-9	7w10590	MS87221	STD+, Nap	m118	400	1	+	√	√	OK	
D3	je603-1	7w10591	MS87221	STD+, Nap	a1645	400	1	+	√	√	OK	
D4	je603-2	7w10592	MS87221	STD+, Nap	a357	400	1	+	√	√	OK	
C3	je571-1	7w10593	MS87221	VTO15NYLL3NG42A+20, F142B	m036	100	1		√	√	OK	
A1	jd435-1	7w10594	MS87175	STD, Nap	a1972	100	1		√	√	OK	
A2	jd435-5	7w10595	MS87175	STD, Nap	a2269	100	1		√	√	OK	
A3	jd435-6	7w10596	MS87175	STD, Nap	a2569	100	1		√	√	OK	
A4	jd605-1	7w10597	MS87221	STD, Nap	a2586	100	1		√	√	OK	
A5	jd605-2	7w10598	MS87221	STD, Nap	a2596	100	1		√	√	OK	
A6	jd605-3	7w10599	MS87221	STD, Nap	a2271	100	1		√	√	OK	
A7	jd99809-1	7w10600	MS86930	PAUGTMB, EDB, EDC	a1524	100	1		√	√	RR	ISTD/SURR RT shift
A8	jd99809-2	7w10601	MS86930	PAUGTMB, EDB, EDC	a2305	100	1		√	√	OK	
A9	jd99809-3	7w10602	MS86930	PAUGTMB, EDB, EDC	a2198	100	1		√	√	OK	
A10	scc, cp12923	7w10603			a2567	100			√	√	OK	
B1	scc, cp12924	7w10604			a1450	100			√	√	OK	
D5	scc, cp12922	7w10605			a779	400			√	√	OK	
D6	scc, cp12922	7w10606			a1171	400			√	√	OK	
D7	scc, cp12922	7w10607			m053	400			√	√	OK	
C6	je569-3	7w10608	MS87221	STD+, Nap	a345	400	1	+	√	√	OK	6:51

CANISTER SECONDARY DILUTION LOG

Pressure Gauge ID: TG -		5	Original Canister Dilution				Secondary Canister Dilution						
Date	**Initial**	**Sample ID**	**Canister SN**	**Vacuum at Time of Dilution (inHg)**	**Final Pressure (psig)**	**Dilution Factor**	**Canister SN**	**Canister Volume (cc)**	**Sample Volume Added (cc)**	**Final Pressure (psig)**	**Equivalent Total Volume (cc)**	**Dilution Factor**	**Final Canister Dilution Factor**

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	1738	AS10298	5/31/2025	100
TO-15 STD	a1805	AS10476	11/28/2024	50
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: **V7W387**
Date: **11/18//2024**
Laboratory Analyst: **Thomas Hilbig**
Column DB-1: 30m x 0.25mm x 0.5um
GCMS Method: 7WTO15SPLIT.M
Sequence File: 7W20241118.S
Initial Calibration Method: M7W305.M
Concentrator Method: 7WTO15C.7200A.CTD
Data Validator(s): **Lucky Carandang**
Data Validator(s): **Kristel Valladolid**

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE		Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS		COMMENTS	

Definition: Final Canister Dilution Factor (DF) = (Original Canister DF) x (Secondary Canister DF)
Dilution Factor at Instrument = Final Canister Dilution Factor x [Nominal Sampling Volume (cc) / Sample Volume Injected (cc)]

Example: Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig (750cc equivalent volume). This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister, 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20 (from canister dilution) and 20 (from instrument dilution) = 400.

Notes:

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

Groundwater & Environmental Services

Regency Center Carmel ShopRite Plaza, Carmel, NY

1192323-02-210-1111

SGS Job Number: JE2491

Sampling Date: 12/10/24



Report to:

Groundwater & Environmental Services
63 East Street Suite 3
Pawling, NY 12564
MDegloria@GESOnline.com; neregion@gesonline.com

ATTN: Michael DeGloria

Total number of pages in report: **838**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable unless noted in the narrative, comments or footnotes.

Olga Azarian
Technical Director

Client Service contact: Marie Meidhof 732-329-0200
Certifications: NJ(12129),NY(10983),CA,CO,CT,FL,HI,IL,IN,KY,LA (120428),MA,MD,ME,MN,NC,NH,NV, AK (UST-103),AZ (AZ0786),PA(68-00408),RI,SC,TX (T104704234),UT,VA,WA,WV

This report shall not be reproduced, except in its entirety, without the written approval of SGS.
Test results relate only to samples analyzed.

SGS is the sole authority for authorizing edits or modifications to this document.
Unauthorized modification of this report is strictly prohibited.
Review standard terms at: http://www.sgs.com/en/terms-and-conditions

Please share your ideas about how we can serve you better at:
EHS.US.CustomerCare@sgs.com

Sections: 1 2 3 4 5 6 7

Table of Contents

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **4**
Section 3: Summary of Hits **7**
Section 4: Sample Results **10**
4.1: JE2491-1: SS-3 11
4.2: JE2491-2: IA-3 14
4.3: JE2491-3: SS-4 17
4.4: JE2491-4: IA-4 20
Section 5: Misc. Forms **23**
5.1: Chain of Custody 24
5.2: Summa Canister and Flow Controller Log 26
5.3: Sample Tracking Chronicle 27
Section 6: MS Volatiles - QC Data Summaries **28**
6.1: Method Blank Summary 29
6.2: Blank Spike/Blank Spike Duplicate Summary 47
6.3: Duplicate Summary 65
6.4: Summa Cleaning Certification 75
6.5: Instrument Performance Checks (BFB) 83
6.6: Internal Standard Area Summaries 101
6.7: Initial Calibration RT/ISTD Area Summaries 110
6.8: Surrogate Recovery Summaries 191
6.9: Initial and Continuing Calibration Summaries 193
6.10: Run Sequence Reports 241
Section 7: MS Volatiles - Raw Data **253**
7.1: Samples 254
7.2: Method Blanks 322
7.3: Blank Spike/Blank Spike Duplicates 340
7.4: Duplicates 418
7.5: Summa Cleaning Certifications 492
7.6: Instrument Performance Checks (BFB) 500
7.7: Initial and Continuing Calibrations 524
7.8: Instrument Run Logs 819

SGS North America Inc.

Sample Summary

Groundwater & Environmental Services

Job No: JE2491

Regency Center Carmel ShopRite Plaza, Carmel, NY
Project No: 1192323-02-210-1111

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
This report contains results reported as ND = Not detected. The following applies:							
Organics ND = Not detected above the RL							
JE2491-1	12/10/24	18:05	RB	12/12/24	AIR	Soil Vapor Comp.	SS-3
JE2491-2	12/10/24	18:06	RB	12/12/24	AIR	Indoor Air Comp.	IA-3
JE2491-3	12/10/24	18:12	RB	12/12/24	AIR	Soil Vapor Comp.	SS-4
JE2491-4	12/10/24	18:15	RB	12/12/24	AIR	Indoor Air Comp.	IA-4

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	Groundwater & Environmental Services	**Job No:**	JE2491
Site:	Regency Center Carmel ShopRite Plaza, Carmel, NY	**Report Date**	1/9/2025 8:45:18 AM

On 12/12/2024, 4 sample(s), 0 Trip Blank(s), 0 Equip. Blank(s) and 0 Field Blank(s) were received at SGS North America Inc. An SGS Job Number of JE2491 was assigned to the project. The lab sample ID, client sample ID, and date of sample collection are detailed in the report's Results Summary.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

MS Volatiles By Method TO-15

Matrix: AIR **Batch ID:** V5W2133

- All samples were analyzed within the recommended method holding time.
- Sample(s) JE2488-2DUP were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- The duplicate RPD(s) for Methyl ethyl ketone are outside control limits. RPD acceptable due to low DUP and sample concentrations.
- V5W2133-BS for Hexachlorobutadiene: High percent recovery and no associated positive reported in the QC batch.
- JE2491-2 for Methyl ethyl ketone: Associated CCV outside of control limits high. This compound in blank spike is outside in house QC limits bias high.
- JE2491-2 for Tetrahydrofuran: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2491-2 for Hexachlorobutadiene: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2491-2 for Bromoform: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- V5W2133-BS for Methyl ethyl ketone: Outside in house control limits.
- V5W2133-BS for Bromoform: High percent recovery and no associated positive reported in the QC batch.
- V5W2133-BS for 1,2,4-Trichlorobenzene: High percent recovery and no associated positive reported in the QC batch.
- JE2491-2 for 1,2,4-Trichlorobenzene: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.

Matrix: AIR **Batch ID:** V5W2136

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JE2665-1DUP were used as the QC samples indicated.
- Sample(s) JE2491-3 have compounds reported with "E" qualifiers indicating estimated value exceeding calibration range.
- The duplicate RPD(s) for 1,2,4-Trichlorobenzene, Naphthalene, o-Dichlorobenzene, Trichloroethylene are outside control limits. RPD acceptable due to low DUP and sample concentrations.
- V5W2136-BS for 1,3-Butadiene: Outside in house control limits.
- V5W2136-BS for Tetrahydrofuran: Outside in house control limits.
- V5W2136-BS for Bromoform: High percent recovery and no associated positive reported in the QC batch.
- V5W2136-BS for 1,2,4-Trichlorobenzene: Outside in house control limits.
- JE2491-3 for 1,3-Butadiene: This compound in blank spike is outside in house QC limits bias low.
- V5W2136-BS for Acetone (2-Propanone): Outside in house control limits.
- V5W2136-BS for Methyl ethyl ketone: Outside in house control limits.

MS Volatiles By Method TO-15

Matrix: AIR **Batch ID:** V5W2136

- JE2491-3 for Bromoform: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2491-3 for Vinyl Acetate: This compound in blank spike duplicate is outside in house QC limits bias high.
- JE2491-3 for Chloroethane: This compound in blank spike duplicate is outside in house QC limits bias low.
- JE2491-3 for Acetone (2-Propanone): Associated CCV outside of control limits low. This compound in blank spike is outside in house QC limits bias low.
- JE2491-3 for Methyl ethyl ketone: Associated CCV outside of control limits high. This compound in blank spike is outside in house QC limits bias high.
- JE2491-3 for Ethyl Acetate: Associated CCV outside of control limits high.
- JE2491-3 for Tetrahydrofuran: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- V5W2136-BS for Hexachlorobutadiene: High percent recovery and no associated positive reported in the QC batch.
- JE2491-3 for Bromomethane: This compound in blank spike duplicate is outside in house QC limits bias low.
- JE2491-1 for 1,2,4-Trichlorobenzene: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2491-3 for Hexachlorobutadiene: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2491-3 for 1,2,4-Trichlorobenzene: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2491-2 for Ethanol: This compound in blank spike duplicate is outside in house QC limits bias low.
- JE2491-1 for Acetone (2-Propanone): Associated CCV outside of control limits low. This compound in blank spike is outside in house QC limits bias low.
- JE2491-1 for 1,3-Butadiene: This compound in blank spike is outside in house QC limits bias low.
- JE2491-1 for Ethanol: This compound in blank spike duplicate is outside in house QC limits bias low.
- JE2491-1 for Chloroethane: This compound in blank spike duplicate is outside in house QC limits bias low.
- JE2491-1 for Bromomethane: This compound in blank spike duplicate is outside in house QC limits bias low.
- JE2491-1 for Vinyl Acetate: This compound in blank spike duplicate is outside in house QC limits bias high.
- JE2491-1 for Bromoform: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2491-1 for Hexachlorobutadiene: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2491-2 for Ethyl Acetate: Associated CCV outside of control limits high.
- JE2491-1 for Methyl ethyl ketone: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2491-3 for Ethanol: This compound in blank spike duplicate is outside in house QC limits bias low.
- JE2491-1 for Ethyl Acetate: Associated CCV outside of control limits high.
- JE2491-1 for Tetrahydrofuran: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.

Matrix: AIR **Batch ID:** V5W2138

- All samples were analyzed within the recommended method holding time.
- Sample(s) JE2315-1DUP were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

Matrix: AIR **Batch ID:** V7W414

- All samples were analyzed within the recommended method holding time.
- Sample(s) JE2792-5DUP were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

MS Volatiles By Method TO-15

Matrix: AIR **Batch ID:** V7W415

- All samples were analyzed within the recommended method holding time.
- Sample(s) JE3433-3DUP were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

SGS certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting SGS's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

SGS is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. This report is authorized by SGS indicated via signature on the report cover.

Summary of Hits

Job Number: JE2491
Account: Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY
Collected: 12/10/24

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JE2491-1	**SS-3**					
Acetone (2-Propanone) [a]		141	0.80		ppbv	TO-15
Ethanol [b]		39.2	2.0		ppbv	TO-15
Ethyl Acetate [c]		13.8	0.80		ppbv	TO-15
Heptane		1.4	0.80		ppbv	TO-15
Isopropyl Alcohol		6.8	0.80		ppbv	TO-15
Methylmethacrylate		38.0	0.80		ppbv	TO-15
Tetrachloroethylene		24.2	0.16		ppbv	TO-15
Trichlorofluoromethane		41.7	0.40		ppbv	TO-15
Acetone (2-Propanone) [a]		335	1.9		ug/m3	TO-15
Ethanol [b]		73.9	3.8		ug/m3	TO-15
Ethyl Acetate [c]		49.7	2.9		ug/m3	TO-15
Heptane		5.7	3.3		ug/m3	TO-15
Isopropyl Alcohol		17	2.0		ug/m3	TO-15
Methylmethacrylate		156	3.3		ug/m3	TO-15
Tetrachloroethylene		164	1.1		ug/m3	TO-15
Trichlorofluoromethane		234	2.2		ug/m3	TO-15
JE2491-2	**IA-3**					
Acetone (2-Propanone)		1190	54		ppbv	TO-15
Benzene		0.67	0.16		ppbv	TO-15
Chloroform		0.37	0.16		ppbv	TO-15
Chloromethane		0.67	0.16		ppbv	TO-15
Carbon tetrachloride		0.10	0.032		ppbv	TO-15
Dichlorodifluoromethane		0.51	0.16		ppbv	TO-15
Ethanol [b]		939	20		ppbv	TO-15
Ethyl Acetate [c]		160	8.0		ppbv	TO-15
Heptane		15.8	0.16		ppbv	TO-15
Hexane		0.69	0.16		ppbv	TO-15
2-Hexanone		0.18	0.16		ppbv	TO-15
Isopropyl Alcohol		105	8.0		ppbv	TO-15
Methylene chloride		0.65	0.16		ppbv	TO-15
Methyl ethyl ketone [d]		1.4	0.16		ppbv	TO-15
Methylmethacrylate		858	8.0		ppbv	TO-15
2,2,4-Trimethylpentane		0.22	0.16		ppbv	TO-15
Tertiary Butyl Alcohol		0.73	0.16		ppbv	TO-15
Tetrachloroethylene		0.037	0.032		ppbv	TO-15
Toluene		2.5	0.16		ppbv	TO-15
Trichlorofluoromethane		0.60	0.080		ppbv	TO-15
Vinyl Acetate		0.47	0.16		ppbv	TO-15
m,p-Xylene		0.36	0.16		ppbv	TO-15
Xylenes (total)		0.51	0.16		ppbv	TO-15
Acetone (2-Propanone)		2830	130		ug/m3	TO-15

Summary of Hits

Job Number: JE2491
Account: Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY
Collected: 12/10/24

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Benzene		2.1	0.51		ug/m3	TO-15
Chloroform		1.8	0.78		ug/m3	TO-15
Chloromethane		1.4	0.33		ug/m3	TO-15
Carbon tetrachloride		0.63	0.20		ug/m3	TO-15
Dichlorodifluoromethane		2.5	0.79		ug/m3	TO-15
Ethanol [b]		1770	38		ug/m3	TO-15
Ethyl Acetate [c]		576	29		ug/m3	TO-15
Heptane		64.8	0.66		ug/m3	TO-15
Hexane		2.4	0.56		ug/m3	TO-15
2-Hexanone		0.74	0.65		ug/m3	TO-15
Isopropyl Alcohol		258	20		ug/m3	TO-15
Methylene chloride		2.3	0.56		ug/m3	TO-15
Methyl ethyl ketone [d]		4.1	0.47		ug/m3	TO-15
Methylmethacrylate		3510	33		ug/m3	TO-15
2,2,4-Trimethylpentane		1.0	0.75		ug/m3	TO-15
Tertiary Butyl Alcohol		2.2	0.49		ug/m3	TO-15
Tetrachloroethylene		0.25	0.22		ug/m3	TO-15
Toluene		9.4	0.60		ug/m3	TO-15
Trichlorofluoromethane		3.4	0.45		ug/m3	TO-15
Vinyl Acetate		1.7	0.56		ug/m3	TO-15
m,p-Xylene		1.6	0.69		ug/m3	TO-15
Xylenes (total)		2.2	0.69		ug/m3	TO-15
JE2491-3	**SS-4**					
Acetone (2-Propanone) [a]		74.9	0.40		ppbv	TO-15
Dichlorodifluoromethane		0.49	0.40		ppbv	TO-15
Ethanol [b]		175 E	1.0		ppbv	TO-15
Ethyl Acetate [c]		8.7	0.40		ppbv	TO-15
Heptane		0.93	0.40		ppbv	TO-15
Hexane		2.4	0.40		ppbv	TO-15
Isopropyl Alcohol		60.9	0.40		ppbv	TO-15
Methylene chloride		3.0	0.40		ppbv	TO-15
Methyl ethyl ketone [d]		2.3	0.40		ppbv	TO-15
Methylmethacrylate		11.8	0.40		ppbv	TO-15
Tertiary Butyl Alcohol		5.3	0.40		ppbv	TO-15
Tetrachloroethylene		1.1	0.080		ppbv	TO-15
Toluene		0.56	0.40		ppbv	TO-15
Trichloroethylene		0.093	0.080		ppbv	TO-15
Trichlorofluoromethane		0.80	0.20		ppbv	TO-15
Vinyl Acetate [e]		0.94	0.40		ppbv	TO-15
Acetone (2-Propanone) [a]		178	0.95		ug/m3	TO-15
Dichlorodifluoromethane		2.4	2.0		ug/m3	TO-15
Ethanol [b]		330 E	1.9		ug/m3	TO-15
Ethyl Acetate [c]		31	1.4		ug/m3	TO-15

Summary of Hits

Job Number: JE2491
Account: Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY
Collected: 12/10/24

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Heptane		3.8	1.6		ug/m3	TO-15
Hexane		8.5	1.4		ug/m3	TO-15
Isopropyl Alcohol		150	0.98		ug/m3	TO-15
Methylene chloride		10	1.4		ug/m3	TO-15
Methyl ethyl ketone [d]		6.8	1.2		ug/m3	TO-15
Methylmethacrylate		48.3	1.6		ug/m3	TO-15
Tertiary Butyl Alcohol		16	1.2		ug/m3	TO-15
Tetrachloroethylene		7.5	0.54		ug/m3	TO-15
Toluene		2.1	1.5		ug/m3	TO-15
Trichloroethylene		0.50	0.43		ug/m3	TO-15
Trichlorofluoromethane		4.5	1.1		ug/m3	TO-15
Vinyl Acetate [e]		3.3	1.4		ug/m3	TO-15
JE2491-4	**IA-4**					
Acetone (2-Propanone)		2450	29		ppbv	TO-15
Ethanol		1030	40		ppbv	TO-15
Ethyl Acetate		128	16		ppbv	TO-15
Heptane		16.0	16		ppbv	TO-15
Isopropyl Alcohol		103	16		ppbv	TO-15
Methylmethacrylate		439	16		ppbv	TO-15
Acetone (2-Propanone)		5820	69		ug/m3	TO-15
Ethanol		1940	75		ug/m3	TO-15
Ethyl Acetate		461	58		ug/m3	TO-15
Isopropyl Alcohol		253	39		ug/m3	TO-15
Methylmethacrylate		1800	66		ug/m3	TO-15

(a) Associated CCV outside of control limits low. This compound in blank spike is outside in house QC limits bias low.
(b) This compound in blank spike duplicate is outside in house QC limits bias low.
(c) Associated CCV outside of control limits high.
(d) Associated CCV outside of control limits high. This compound in blank spike is outside in house QC limits bias high.
(e) This compound in blank spike duplicate is outside in house QC limits bias high.

Sample Results

Report of Analysis

SGS North America Inc.

Report of Analysis

Client Sample ID:	SS-3		
Lab Sample ID:	JE2491-1	**Date Sampled:**	12/10/24
Matrix:	AIR - Soil Vapor Comp. Summa ID: A1726	**Date Received:**	12/12/24
Method:	TO-15	**Percent Solids:**	n/a
Project:	Regency Center Carmel ShopRite Plaza, Carmel, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5W55795.D	1	12/21/24 02:30	TCH	n/a	n/a	V5W2136
Run #2							

	Initial Volume
Run #1	100 ml
Run #2	

VOA TO15 List

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone (2-Propanone) [a]	141	0.80	ppbv		335	1.9	ug/m3
106-99-0	54.09	1,3-Butadiene [b]	ND	0.80	ppbv		ND	1.8	ug/m3
71-43-2	78.11	Benzene	ND	0.80	ppbv		ND	2.6	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.40	ppbv		ND	2.7	ug/m3
75-25-2	252.8	Bromoform [c]	ND	0.16	ppbv		ND	1.7	ug/m3
74-83-9	94.94	Bromomethane [d]	ND	0.80	ppbv		ND	3.1	ug/m3
593-60-2	106.9	Bromoethene	ND	0.80	ppbv		ND	3.5	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.80	ppbv		ND	4.1	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.80	ppbv		ND	2.5	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.80	ppbv		ND	3.7	ug/m3
75-00-3	64.52	Chloroethane [d]	ND	0.80	ppbv		ND	2.1	ug/m3
67-66-3	119.4	Chloroform	ND	0.80	ppbv		ND	3.9	ug/m3
74-87-3	50.49	Chloromethane	ND	0.80	ppbv		ND	1.7	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.80	ppbv		ND	2.5	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.80	ppbv		ND	4.1	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.16	ppbv		ND	1.0	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.80	ppbv		ND	2.8	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.80	ppbv		ND	3.2	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.16	ppbv		ND	0.63	ug/m3
106-93-4	187.9	1,2-Dibromoethane (EDB)	ND	0.40	ppbv		ND	3.1	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.80	ppbv		ND	3.2	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.80	ppbv		ND	3.7	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.80	ppbv		ND	2.9	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	ND	0.80	ppbv		ND	4.0	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.40	ppbv		ND	3.4	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.80	ppbv		ND	3.2	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.16	ppbv		ND	0.63	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.80	ppbv		ND	3.6	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.40	ppbv		ND	2.4	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.16	ppbv		ND	0.96	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.40	ppbv		ND	2.4	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.80	ppbv		ND	3.6	ug/m3

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS-3		
Lab Sample ID:	JE2491-1	**Date Sampled:**	12/10/24
Matrix:	AIR - Soil Vapor Comp. Summa ID: A1726	**Date Received:**	12/12/24
Method:	TO-15	**Percent Solids:**	n/a
Project:	Regency Center Carmel ShopRite Plaza, Carmel, NY		

VOA TO15 List

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol [d]	39.2	2.0	ppbv		73.9	3.8	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.80	ppbv		ND	3.5	ug/m3
141-78-6	88	Ethyl Acetate [e]	13.8	0.80	ppbv		49.7	2.9	ug/m3
622-96-8	120.19	4-Ethyltoluene	ND	0.80	ppbv		ND	3.9	ug/m3
76-13-1	187.4	Freon 113	ND	0.40	ppbv		ND	3.1	ug/m3
76-14-2	170.9	Freon 114	ND	0.40	ppbv		ND	2.8	ug/m3
142-82-5	100.2	Heptane	1.4	0.80	ppbv		5.7	3.3	ug/m3
87-68-3	260.8	Hexachlorobutadiene [c]	ND	0.36	ppbv		ND	3.8	ug/m3
110-54-3	86.18	Hexane	ND	0.80	ppbv		ND	2.8	ug/m3
591-78-6	100	2-Hexanone	ND	0.80	ppbv		ND	3.3	ug/m3
67-63-0	60.1	Isopropyl Alcohol	6.8	0.80	ppbv		17	2.0	ug/m3
75-09-2	84.94	Methylene chloride	ND	0.80	ppbv		ND	2.8	ug/m3
78-93-3	72.11	Methyl ethyl ketone [c]	ND	0.80	ppbv		ND	2.4	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.80	ppbv		ND	3.3	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.80	ppbv		ND	2.9	ug/m3
80-62-6	100.12	Methylmethacrylate	38.0	0.80	ppbv		156	3.3	ug/m3
91-20-3	128.17	Naphthalene	ND	0.80	ppbv		ND	4.2	ug/m3
115-07-1	42	Propylene	ND	2.0	ppbv		ND	3.4	ug/m3
100-42-5	104.1	Styrene	ND	0.80	ppbv		ND	3.4	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.40	ppbv		ND	2.2	ug/m3
79-34-5	167.85	1,1,2,2-Tetrachloroethane	ND	0.40	ppbv		ND	2.7	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.40	ppbv		ND	2.2	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene [c]	ND	0.40	ppbv		ND	3.0	ug/m3
95-63-6	120.19	1,2,4-Trimethylbenzene	ND	0.80	ppbv		ND	3.9	ug/m3
108-67-8	120.19	1,3,5-Trimethylbenzene	ND	0.80	ppbv		ND	3.9	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.80	ppbv		ND	3.7	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.80	ppbv		ND	2.4	ug/m3
127-18-4	165.8	Tetrachloroethylene	24.2	0.16	ppbv		164	1.1	ug/m3
109-99-9	72.11	Tetrahydrofuran [c]	ND	0.80	ppbv		ND	2.4	ug/m3
108-88-3	92.14	Toluene	ND	0.80	ppbv		ND	3.0	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.16	ppbv		ND	0.86	ug/m3
75-69-4	137.4	Trichlorofluoromethane	41.7	0.40	ppbv		234	2.2	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.16	ppbv		ND	0.41	ug/m3
108-05-4	86	Vinyl Acetate [f]	ND	0.80	ppbv		ND	2.8	ug/m3
	106.2	m,p-Xylene	ND	0.80	ppbv		ND	3.5	ug/m3
95-47-6	106.2	o-Xylene	ND	0.80	ppbv		ND	3.5	ug/m3
1330-20-7	106.2	Xylenes (total)	ND	0.80	ppbv		ND	3.5	ug/m3

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS-3		
Lab Sample ID:	JE2491-1	**Date Sampled:**	12/10/24
Matrix:	AIR - Soil Vapor Comp. Summa ID: A1726	**Date Received:**	12/12/24
Method:	TO-15	**Percent Solids:**	n/a
Project:	Regency Center Carmel ShopRite Plaza, Carmel, NY		

VOA TO15 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	111%		65-128%

(a) Associated CCV outside of control limits low. This compound in blank spike is outside in house QC limits bias low.
(b) This compound in blank spike is outside in house QC limits bias low.
(c) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
(d) This compound in blank spike duplicate is outside in house QC limits bias low.
(e) Associated CCV outside of control limits high.
(f) This compound in blank spike duplicate is outside in house QC limits bias high.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID: IA-3
Lab Sample ID: JE2491-2 **Date Sampled:** 12/10/24
Matrix: AIR - Indoor Air Comp. Summa ID: A1735,M442 **Date Received:** 12/12/24
Method: TO-15 **Percent Solids:** n/a
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5W55722.D	1	12/18/24 13:30	TCH	n/a	n/a	V5W2133
Run #2	5W55796.D	1	12/21/24 03:11	TCH	n/a	n/a	V5W2136
Run #3	5W55831.D	135	12/23/24 19:43	TCH	n/a	n/a	V5W2138

	Initial Volume
Run #1	500 ml
Run #2	10.0 ml
Run #3	200 ml

VOA TO15 List

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone (2-Propanone)	1190 [a]	54	ppbv		2830 [a]	130	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.16	ppbv		ND	0.35	ug/m3
71-43-2	78.11	Benzene	0.67	0.16	ppbv		2.1	0.51	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.080	ppbv		ND	0.54	ug/m3
75-25-2	252.8	Bromoform [b]	ND	0.032	ppbv		ND	0.33	ug/m3
74-83-9	94.94	Bromomethane	ND	0.16	ppbv		ND	0.62	ug/m3
593-60-2	106.9	Bromoethene	ND	0.16	ppbv		ND	0.70	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.16	ppbv		ND	0.82	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.16	ppbv		ND	0.50	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.16	ppbv		ND	0.74	ug/m3
75-00-3	64.52	Chloroethane	ND	0.16	ppbv		ND	0.42	ug/m3
67-66-3	119.4	Chloroform	0.37	0.16	ppbv		1.8	0.78	ug/m3
74-87-3	50.49	Chloromethane	0.67	0.16	ppbv		1.4	0.33	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.16	ppbv		ND	0.50	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.16	ppbv		ND	0.83	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.10	0.032	ppbv		0.63	0.20	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.16	ppbv		ND	0.55	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.16	ppbv		ND	0.65	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.032	ppbv		ND	0.13	ug/m3
106-93-4	187.9	1,2-Dibromoethane (EDB)	ND	0.080	ppbv		ND	0.61	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.16	ppbv		ND	0.65	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.16	ppbv		ND	0.74	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.16	ppbv		ND	0.58	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.51	0.16	ppbv		2.5	0.79	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.080	ppbv		ND	0.68	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.16	ppbv		ND	0.63	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.032	ppbv		ND	0.13	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.16	ppbv		ND	0.73	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.080	ppbv		ND	0.48	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.032	ppbv		ND	0.19	ug/m3

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IA-3		
Lab Sample ID:	JE2491-2	**Date Sampled:**	12/10/24
Matrix:	AIR - Indoor Air Comp. Summa ID: A1735,M442	**Date Received:**	12/12/24
Method:	TO-15	**Percent Solids:**	n/a
Project:	Regency Center Carmel ShopRite Plaza, Carmel, NY		

VOA TO15 List

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units
106-46-7	147	p-Dichlorobenzene	ND	0.080	ppbv		ND	0.48	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.16	ppbv		ND	0.73	ug/m3
64-17-5	46.07	Ethanol [c]	939 [d]	20	ppbv		1770 [d]	38	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.16	ppbv		ND	0.69	ug/m3
141-78-6	88	Ethyl Acetate [e]	160 [d]	8.0	ppbv		576 [d]	29	ug/m3
622-96-8	120.19	4-Ethyltoluene	ND	0.16	ppbv		ND	0.79	ug/m3
76-13-1	187.4	Freon 113	ND	0.080	ppbv		ND	0.61	ug/m3
76-14-2	170.9	Freon 114	ND	0.080	ppbv		ND	0.56	ug/m3
142-82-5	100.2	Heptane	15.8	0.16	ppbv		64.8	0.66	ug/m3
87-68-3	260.8	Hexachlorobutadiene [b]	ND	0.072	ppbv		ND	0.77	ug/m3
110-54-3	86.18	Hexane	0.69	0.16	ppbv		2.4	0.56	ug/m3
591-78-6	100	2-Hexanone	0.18	0.16	ppbv		0.74	0.65	ug/m3
67-63-0	60.1	Isopropyl Alcohol	105 [d]	8.0	ppbv		258 [d]	20	ug/m3
75-09-2	84.94	Methylene chloride	0.65	0.16	ppbv		2.3	0.56	ug/m3
78-93-3	72.11	Methyl ethyl ketone [f]	1.4	0.16	ppbv		4.1	0.47	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.16	ppbv		ND	0.66	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.16	ppbv		ND	0.58	ug/m3
80-62-6	100.12	Methylmethacrylate	858 [d]	8.0	ppbv		3510 [d]	33	ug/m3
91-20-3	128.17	Naphthalene	ND	0.16	ppbv		ND	0.84	ug/m3
115-07-1	42	Propylene	ND	0.40	ppbv		ND	0.69	ug/m3
100-42-5	104.1	Styrene	ND	0.16	ppbv		ND	0.68	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.080	ppbv		ND	0.44	ug/m3
79-34-5	167.85	1,1,2,2-Tetrachloroethane	ND	0.080	ppbv		ND	0.55	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.080	ppbv		ND	0.44	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene [b]	ND	0.080	ppbv		ND	0.59	ug/m3
95-63-6	120.19	1,2,4-Trimethylbenzene	ND	0.16	ppbv		ND	0.79	ug/m3
108-67-8	120.19	1,3,5-Trimethylbenzene	ND	0.16	ppbv		ND	0.79	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	0.22	0.16	ppbv		1.0	0.75	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	0.73	0.16	ppbv		2.2	0.49	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.037	0.032	ppbv		0.25	0.22	ug/m3
109-99-9	72.11	Tetrahydrofuran [b]	ND	0.16	ppbv		ND	0.47	ug/m3
108-88-3	92.14	Toluene	2.5	0.16	ppbv		9.4	0.60	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.032	ppbv		ND	0.17	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.60	0.080	ppbv		3.4	0.45	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.032	ppbv		ND	0.082	ug/m3
108-05-4	86	Vinyl Acetate	0.47	0.16	ppbv		1.7	0.56	ug/m3
	106.2	m,p-Xylene	0.36	0.16	ppbv		1.6	0.69	ug/m3
95-47-6	106.2	o-Xylene	ND	0.16	ppbv		ND	0.69	ug/m3
1330-20-7	106.2	Xylenes (total)	0.51	0.16	ppbv		2.2	0.69	ug/m3

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IA-3		
Lab Sample ID:	JE2491-2	**Date Sampled:**	12/10/24
Matrix:	AIR - Indoor Air Comp. Summa ID: A1735,M442	**Date Received:**	12/12/24
Method:	TO-15	**Percent Solids:**	n/a
Project:	Regency Center Carmel ShopRite Plaza, Carmel, NY		

VOA TO15 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
460-00-4	4-Bromofluorobenzene	118%	111%	107%	65-128%

(a) Result is from Run# 3
(b) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
(c) This compound in blank spike duplicate is outside in house QC limits bias low.
(d) Result is from Run# 2
(e) Associated CCV outside of control limits high.
(f) Associated CCV outside of control limits high. This compound in blank spike is outside in house QC limits bias high.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	SS-4		
Lab Sample ID:	JE2491-3	**Date Sampled:**	12/10/24
Matrix:	AIR - Soil Vapor Comp. Summa ID: A1480	**Date Received:**	12/12/24
Method:	TO-15	**Percent Solids:**	n/a
Project:	Regency Center Carmel ShopRite Plaza, Carmel, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5W55797.D	1	12/21/24 03:54	TCH	n/a	n/a	V5W2136
Run #2							

	Initial Volume
Run #1	200 ml
Run #2	

VOA TO15 List

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone (2-Propanone) [a]	74.9	0.40	ppbv		178	0.95	ug/m3
106-99-0	54.09	1,3-Butadiene [b]	ND	0.40	ppbv		ND	0.88	ug/m3
71-43-2	78.11	Benzene	ND	0.40	ppbv		ND	1.3	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.20	ppbv		ND	1.3	ug/m3
75-25-2	252.8	Bromoform [c]	ND	0.080	ppbv		ND	0.83	ug/m3
74-83-9	94.94	Bromomethane [d]	ND	0.40	ppbv		ND	1.6	ug/m3
593-60-2	106.9	Bromoethene	ND	0.40	ppbv		ND	1.7	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.40	ppbv		ND	2.1	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.40	ppbv		ND	1.2	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.40	ppbv		ND	1.8	ug/m3
75-00-3	64.52	Chloroethane [d]	ND	0.40	ppbv		ND	1.1	ug/m3
67-66-3	119.4	Chloroform	ND	0.40	ppbv		ND	2.0	ug/m3
74-87-3	50.49	Chloromethane	ND	0.40	ppbv		ND	0.83	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.40	ppbv		ND	1.3	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.40	ppbv		ND	2.1	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.080	ppbv		ND	0.50	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.40	ppbv		ND	1.4	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.40	ppbv		ND	1.6	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.080	ppbv		ND	0.32	ug/m3
106-93-4	187.9	1,2-Dibromoethane (EDB)	ND	0.20	ppbv		ND	1.5	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.40	ppbv		ND	1.6	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.40	ppbv		ND	1.8	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.40	ppbv		ND	1.4	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.49	0.40	ppbv		2.4	2.0	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.20	ppbv		ND	1.7	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.40	ppbv		ND	1.6	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.080	ppbv		ND	0.32	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.40	ppbv		ND	1.8	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.080	ppbv		ND	0.48	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.40	ppbv		ND	1.8	ug/m3

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS-4		
Lab Sample ID:	JE2491-3	**Date Sampled:**	12/10/24
Matrix:	AIR - Soil Vapor Comp. Summa ID: A1480	**Date Received:**	12/12/24
Method:	TO-15	**Percent Solids:**	n/a
Project:	Regency Center Carmel ShopRite Plaza, Carmel, NY		

VOA TO15 List

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol [d]	175	1.0	ppbv	E	330	1.9	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.40	ppbv		ND	1.7	ug/m3
141-78-6	88	Ethyl Acetate [e]	8.7	0.40	ppbv		31	1.4	ug/m3
622-96-8	120.19	4-Ethyltoluene	ND	0.40	ppbv		ND	2.0	ug/m3
76-13-1	187.4	Freon 113	ND	0.20	ppbv		ND	1.5	ug/m3
76-14-2	170.9	Freon 114	ND	0.20	ppbv		ND	1.4	ug/m3
142-82-5	100.2	Heptane	0.93	0.40	ppbv		3.8	1.6	ug/m3
87-68-3	260.8	Hexachlorobutadiene [c]	ND	0.18	ppbv		ND	1.9	ug/m3
110-54-3	86.18	Hexane	2.4	0.40	ppbv		8.5	1.4	ug/m3
591-78-6	100	2-Hexanone	ND	0.40	ppbv		ND	1.6	ug/m3
67-63-0	60.1	Isopropyl Alcohol	60.9	0.40	ppbv		150	0.98	ug/m3
75-09-2	84.94	Methylene chloride	3.0	0.40	ppbv		10	1.4	ug/m3
78-93-3	72.11	Methyl ethyl ketone [f]	2.3	0.40	ppbv		6.8	1.2	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.40	ppbv		ND	1.6	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.40	ppbv		ND	1.4	ug/m3
80-62-6	100.12	Methylmethacrylate	11.8	0.40	ppbv		48.3	1.6	ug/m3
91-20-3	128.17	Naphthalene	ND	0.40	ppbv		ND	2.1	ug/m3
115-07-1	42	Propylene	ND	1.0	ppbv		ND	1.7	ug/m3
100-42-5	104.1	Styrene	ND	0.40	ppbv		ND	1.7	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
79-34-5	167.85	1,1,2,2-Tetrachloroethane	ND	0.20	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene [c]	ND	0.20	ppbv		ND	1.5	ug/m3
95-63-6	120.19	1,2,4-Trimethylbenzene	ND	0.40	ppbv		ND	2.0	ug/m3
108-67-8	120.19	1,3,5-Trimethylbenzene	ND	0.40	ppbv		ND	2.0	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.40	ppbv		ND	1.9	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	5.3	0.40	ppbv		16	1.2	ug/m3
127-18-4	165.8	Tetrachloroethylene	1.1	0.080	ppbv		7.5	0.54	ug/m3
109-99-9	72.11	Tetrahydrofuran [c]	ND	0.40	ppbv		ND	1.2	ug/m3
108-88-3	92.14	Toluene	0.56	0.40	ppbv		2.1	1.5	ug/m3
79-01-6	131.4	Trichloroethylene	0.093	0.080	ppbv		0.50	0.43	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.80	0.20	ppbv		4.5	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.080	ppbv		ND	0.20	ug/m3
108-05-4	86	Vinyl Acetate [g]	0.94	0.40	ppbv		3.3	1.4	ug/m3
	106.2	m,p-Xylene	ND	0.40	ppbv		ND	1.7	ug/m3
95-47-6	106.2	o-Xylene	ND	0.40	ppbv		ND	1.7	ug/m3
1330-20-7	106.2	Xylenes (total)	ND	0.40	ppbv		ND	1.7	ug/m3

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS-4		
Lab Sample ID:	JE2491-3	**Date Sampled:**	12/10/24
Matrix:	AIR - Soil Vapor Comp. Summa ID: A1480	**Date Received:**	12/12/24
Method:	TO-15	**Percent Solids:**	n/a
Project:	Regency Center Carmel ShopRite Plaza, Carmel, NY		

VOA TO15 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	113%		65-128%

(a) Associated CCV outside of control limits low. This compound in blank spike is outside in house QC limits bias low.
(b) This compound in blank spike is outside in house QC limits bias low.
(c) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
(d) This compound in blank spike duplicate is outside in house QC limits bias low.
(e) Associated CCV outside of control limits high.
(f) Associated CCV outside of control limits high. This compound in blank spike is outside in house QC limits bias high.
(g) This compound in blank spike duplicate is outside in house QC limits bias high.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	IA-4		
Lab Sample ID:	JE2491-4	**Date Sampled:**	12/10/24
Matrix:	AIR - Indoor Air Comp. Summa ID: A1688,M143	**Date Received:**	12/12/24
Method:	TO-15	**Percent Solids:**	n/a
Project:	Regency Center Carmel ShopRite Plaza, Carmel, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	7W11545.D	1	01/07/25 03:36	BK	n/a	n/a	V7W414
Run #2	7W11594.D	143	01/08/25 20:22	BK	n/a	n/a	V7W415

	Initial Volume
Run #1	5.0 ml
Run #2	400 ml

VOA TO15 List

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone (2-Propanone)	2450 [a]	29	ppbv		5820 [a]	69	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	16	ppbv		ND	35	ug/m3
71-43-2	78.11	Benzene	ND	16	ppbv		ND	51	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	8.0	ppbv		ND	54	ug/m3
75-25-2	252.8	Bromoform	ND	3.2	ppbv		ND	33	ug/m3
74-83-9	94.94	Bromomethane	ND	16	ppbv		ND	62	ug/m3
593-60-2	106.9	Bromoethene	ND	16	ppbv		ND	70	ug/m3
100-44-7	126	Benzyl Chloride	ND	16	ppbv		ND	82	ug/m3
75-15-0	76.14	Carbon disulfide	ND	16	ppbv		ND	50	ug/m3
108-90-7	112.6	Chlorobenzene	ND	16	ppbv		ND	74	ug/m3
75-00-3	64.52	Chloroethane	ND	16	ppbv		ND	42	ug/m3
67-66-3	119.4	Chloroform	ND	16	ppbv		ND	78	ug/m3
74-87-3	50.49	Chloromethane	ND	16	ppbv		ND	33	ug/m3
107-05-1	76.53	3-Chloropropene	ND	16	ppbv		ND	50	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	16	ppbv		ND	83	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	3.2	ppbv		ND	20	ug/m3
110-82-7	84.16	Cyclohexane	ND	16	ppbv		ND	55	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	16	ppbv		ND	65	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	3.2	ppbv		ND	13	ug/m3
106-93-4	187.9	1,2-Dibromoethane (EDB)	ND	8.0	ppbv		ND	61	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	16	ppbv		ND	65	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	16	ppbv		ND	74	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	16	ppbv		ND	58	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	ND	16	ppbv		ND	79	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	8.0	ppbv		ND	68	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	16	ppbv		ND	63	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	3.2	ppbv		ND	13	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	16	ppbv		ND	73	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	8.0	ppbv		ND	48	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	3.2	ppbv		ND	19	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	8.0	ppbv		ND	48	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	16	ppbv		ND	73	ug/m3

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IA-4		
Lab Sample ID:	JE2491-4	**Date Sampled:**	12/10/24
Matrix:	AIR - Indoor Air Comp. Summa ID: A1688,M143	**Date Received:**	12/12/24
Method:	TO-15	**Percent Solids:**	n/a
Project:	Regency Center Carmel ShopRite Plaza, Carmel, NY		

VOA TO15 List

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	1030	40	ppbv		1940	75	ug/m3
100-41-4	106.2	Ethylbenzene	ND	16	ppbv		ND	69	ug/m3
141-78-6	88	Ethyl Acetate	128	16	ppbv		461	58	ug/m3
622-96-8	120.19	4-Ethyltoluene	ND	16	ppbv		ND	79	ug/m3
76-13-1	187.4	Freon 113	ND	8.0	ppbv		ND	61	ug/m3
76-14-2	170.9	Freon 114	ND	8.0	ppbv		ND	56	ug/m3
142-82-5	100.2	Heptane	16.0	16	ppbv		65.6	66	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	7.2	ppbv		ND	77	ug/m3
110-54-3	86.18	Hexane	ND	16	ppbv		ND	56	ug/m3
591-78-6	100	2-Hexanone	ND	16	ppbv		ND	65	ug/m3
67-63-0	60.1	Isopropyl Alcohol	103	16	ppbv		253	39	ug/m3
75-09-2	84.94	Methylene chloride	ND	16	ppbv		ND	56	ug/m3
78-93-3	72.11	Methyl ethyl ketone	ND	16	ppbv		ND	47	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	16	ppbv		ND	66	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	16	ppbv		ND	58	ug/m3
80-62-6	100.12	Methylmethacrylate	439	16	ppbv		1800	66	ug/m3
91-20-3	128.17	Naphthalene	ND	16	ppbv		ND	84	ug/m3
115-07-1	42	Propylene	ND	40	ppbv		ND	69	ug/m3
100-42-5	104.1	Styrene	ND	16	ppbv		ND	68	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	8.0	ppbv		ND	44	ug/m3
79-34-5	167.85	1,1,2,2-Tetrachloroethane	ND	8.0	ppbv		ND	55	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	8.0	ppbv		ND	44	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	8.0	ppbv		ND	59	ug/m3
95-63-6	120.19	1,2,4-Trimethylbenzene	ND	16	ppbv		ND	79	ug/m3
108-67-8	120.19	1,3,5-Trimethylbenzene	ND	16	ppbv		ND	79	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	16	ppbv		ND	75	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	16	ppbv		ND	49	ug/m3
127-18-4	165.8	Tetrachloroethylene	ND	3.2	ppbv		ND	22	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	16	ppbv		ND	47	ug/m3
108-88-3	92.14	Toluene	ND	16	ppbv		ND	60	ug/m3
79-01-6	131.4	Trichloroethylene	ND	3.2	ppbv		ND	17	ug/m3
75-69-4	137.4	Trichlorofluoromethane	ND	8.0	ppbv		ND	45	ug/m3
75-01-4	62.5	Vinyl chloride	ND	3.2	ppbv		ND	8.2	ug/m3
108-05-4	86	Vinyl Acetate	ND	16	ppbv		ND	56	ug/m3
	106.2	m,p-Xylene	ND	16	ppbv		ND	69	ug/m3
95-47-6	106.2	o-Xylene	ND	16	ppbv		ND	69	ug/m3
1330-20-7	106.2	Xylenes (total)	ND	16	ppbv		ND	69	ug/m3

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IA-4		
Lab Sample ID:	JE2491-4	**Date Sampled:**	12/10/24
Matrix:	AIR - Indoor Air Comp. Summa ID: A1688,M143	**Date Received:**	12/12/24
Method:	TO-15	**Percent Solids:**	n/a
Project:	Regency Center Carmel ShopRite Plaza, Carmel, NY		

VOA TO15 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	99%	99%	65-128%

(a) Result is from Run# 2

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Summa Canister and Flow Controller Log
- Sample Tracking Chronicle

JE2491

AIR CHAIN OF CUSTODY

SGS ACCUTEST

SGS Accutest - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.accutest.com

FED-EX Tracking #	Bottle Order Control # MM-012624-115	PAGE 1 OF 1
Lab Quote #	Lab Job #	

Client / Reporting Information

Company Name: Groundwater & Environmental Services
Address: 63 East Street, Suite 3
City: Pawling | State: NY | Zip: 12564
Project Contact: Michael DeGloria | E-mail: MDegloria@GESOnline.com
Phone #: 866-839-5195 | Fax #:
Sampler(s) Name(s): R. Brown

Project Information

Project Name: Regency Center Carmel ShopRite Plaza, Carmel, NY
Street: 180 Glenida Avenue "CARMEL NAILS"
City: Carmel | State: NY
Project #: 1192323-02-210 -111
Client Purchase Order #:
Invoice to GES, please reference Project #

Weather Parameters

Temperature (Fahrenheit)
Start: 40 Maximum: 41
Stop 41 Minimum: 40
Atmospheric Pressure (Inches of Hg)
Start: 30.10 Maximum: 30.00
Stop: 30.00 Minimum: 30.00
Other weather comment:

Requested Analysis

Lab Sample #	Field ID / Point of Collection	Air Type: Indoor(I) Soil Vap(SV) Ambient(A)	Sampling Equipment Info: Canister Serial #	Canister Size 6L or 1L	Flow Controller Serial #	Start Sampling Information: Date	Time (24hr clock)	Canister Pressure ("Hg)	Interior Temp (F)	Sampler Init.	Stop Sampling Information: Date	Time (24hr clock)	Canister Pressure ("Hg)	Interior Temp (F)	Sampler Init.	VTO15NYSVLL	VTO15NYLL
1	SS-3	SV	A1726	6L	1286	12/10/24	1010	29.5	70	MS	12/10/24	1805	5.0	70	MS	X	
2	IA-3	I	A1735	6L	1308	12/10/24	1015	26.0	70	MS	12/10/24	1806	6.5	70	MS		X
3	SS-4	SV	A1480	6L	775	12/10/24	1020	26.5	70	MS	12/10/24	1812	6.0	70	MS	X	
4	IA-4	I	A1688	6L	1347	12/10/24	1023	29.0	70	MS	12/10/24	1815	4.5	70	MS		X

Initial Assessment
Label Verification

Turnaround Time (Business days)

Standard - 15 Days: GES Std
10 Day
5 Day
3 Day
2 Day
1 Day
Other
Approved By:
Date:

Data Deliverable Information

All NJDEP TO-15 is mandatory Full T1
Comm A
Comm B
Reduced T2
Full T1
Other:
DKQP reporting

Comments / Remarks

VTO15NYSVLL - soil vapor; VTO15NYLL - indoor/ambient
NYCATB Report

Sample inventory is verified upon receipt in the Laboratory

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler: 1	Date Time: 12/10/24 1020	Received By: 1 LHW ATTACH FEDEX 12/11/24	Relinquished By: 2	Date Time: 12/11/24 0830	Received By: 2 FEDEX
Relinquished by: 3 FEDEX	Date Time: 12/12/24 1100	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by: 5	Date Time:	Received By: 5	Custody Seal #		

SGS Sample Receipt Summary

Job Number: JE2491 **Client:** GROUNDWATER & ENVIRONMENTAL SE **Project:** REGENCY CENTER CARMEL SHOPRITE

Date / Time Received: 12/12/2024 11:00:00 AM **Delivery Method:** FEDEX **Airbill #'s:**

Cooler Temps (Raw Measured) °C:

Cooler Temps (Corrected) °C:

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☐		☐
2. Cooler temp verification:	N/A		
3. Cooler media:	N/A		
4. No. Coolers:	N/A		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☑	☐
2. Trip Blank listed on COC:	☐		☑	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Test Strip Lot #s: pH 1-12: 231619 pH 12+: 203117A Other: (Specify)

Comments

SM089-03
Rev. Date 12/7/17

JE2491: Chain of Custody
Page 2 of 2

Summa Canister and Flow Controller Log

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY
Received: 12/12/24

SUMMA CANISTERS

Shipping							Receiving					
Summa ID	L	Vac " Hg	Date Out	By	SCC Batch	SCC FileID	Sample Number	Date In	By	Vac " Hg	Pres psig	Final psig	Dil Fact
A1726	6	29.5	12/03/24	JT	CP12926	7W10778.D	JE2491-1	12/12/24	RC	5			1
A1735	6	29.5	12/03/24	JT	CP12926	7W10778.D	JE2491-2	12/12/24	RC	6			1
A1480	6	29.5	12/03/24	JT	CP12922	7W10671.D	JE2491-3	12/12/24	RC	5.5			1
A1688	6	29.5	12/03/24	JT	CP12926	7W10778.D	JE2491-4	12/12/24	RC	5			1

FLOW CONTROLLERS / OTHER

Shipping					Receiving				
Flow Crtl ID	Date Out	By	cc/ min	Time hrs.	Date In	By	cc/ min	Flow RPD	Equipment Type
FC775	12/03/24	JT	10.4	8	12/12/24	RC	10.4	0	Flow Controller
FC1286	12/03/24	JT	10.5	8	12/12/24	RC	10.4	1	Flow Controller
FC1308	12/03/24	JT	10.3	8	12/12/24	RC	10.2	1	Flow Controller
FC1347	12/03/24	JT	10.5	8	12/12/24	RC	10.9	3.7	Flow Controller

SGS Bottle Order(s):
MM-112524-154

Prep Date	Room Temp(F)	Bar Pres "Hg
12/03/24	70	29.92

Internal Sample Tracking Chronicle

Groundwater & Environmental Services

Job No: JE2491

Regency Center Carmel ShopRite Plaza, Carmel, NY
Project No: 1192323-02-210-1111

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JE2491-1 SS-3	Collected: 10-DEC-24 18:05 By: RB		Received: 12-DEC-24 By: HR			
JE2491-1	TO-15	21-DEC-24 02:30	TCH			VTO15NYSVLL
JE2491-2 IA-3	Collected: 10-DEC-24 18:06 By: RB		Received: 12-DEC-24 By: HR			
JE2491-2	TO-15	18-DEC-24 13:30	TCH			VTO15NYLL
JE2491-2	TO-15	21-DEC-24 03:11	TCH			VTO15NYLL
JE2491-2	TO-15	23-DEC-24 19:43	TCH			VTO15NYLL
JE2491-3 SS-4	Collected: 10-DEC-24 18:12 By: RB		Received: 12-DEC-24 By: HR			
JE2491-3	TO-15	21-DEC-24 03:54	TCH			VTO15NYSVLL
JE2491-4 IA-4	Collected: 10-DEC-24 18:15 By: RB		Received: 12-DEC-24 By: HR			
JE2491-4	TO-15	07-JAN-25 03:36	BK			VTO15NYLL
JE2491-4	TO-15	08-JAN-25 20:22	BK			VTO15NYLL

MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Internal Standard Area Summaries
- Initial Calibration RT/ISTD Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries
- Run Sequence Reports

Method Blank Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W2133-MB	5W55706.D	1	12/18/24	TCH	n/a	n/a	V5W2133

The QC reported here applies to the following samples: **Method:** TO-15

JE2491-2

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
106-99-0	1,3-Butadiene	ND	0.20	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane (EDB)	ND	0.20	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	ppbv		ND	0.91	ug/m3
100-41-4	Ethylbenzene	ND	0.20	ppbv		ND	0.87	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	ppbv		ND	0.98	ug/m3
76-13-1	Freon 113	ND	0.20	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	ppbv		ND	0.82	ug/m3

Method Blank Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W2133-MB	5W55706.D	1	12/18/24	TCH	n/a	n/a	V5W2133

The QC reported here applies to the following samples: **Method:** TO-15

JE2491-2

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
87-68-3	Hexachlorobutadiene	ND	0.20	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	ppbv		ND	0.82	ug/m3
75-09-2	Methylene chloride	ND	0.20	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	ppbv		ND	0.72	ug/m3
91-20-3	Naphthalene	ND	0.20	ppbv		ND	1.0	ug/m3
115-07-1	Propylene	ND	0.50	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	ppbv		ND	0.87	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	110%	65-128%

Method Blank Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W2136-MB	5W55783.D	1	12/20/24	TCH	n/a	n/a	V5W2136

The QC reported here applies to the following samples: **Method:** TO-15

JE2491-1, JE2491-2, JE2491-3

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
67-64-1	Acetone (2-Propanone)	ND	0.20	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane (EDB)	ND	0.20	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	ppbv		ND	0.98	ug/m3

Method Blank Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W2136-MB	5W55783.D	1	12/20/24	TCH	n/a	n/a	V5W2136

The QC reported here applies to the following samples: **Method:** TO-15

JE2491-1, JE2491-2, JE2491-3

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	ppbv		ND	0.72	ug/m3
80-62-6	Methylmethacrylate	ND	0.20	ppbv		ND	0.82	ug/m3
91-20-3	Naphthalene	ND	0.20	ppbv		ND	1.0	ug/m3
115-07-1	Propylene	ND	0.50	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	ppbv		ND	0.87	ug/m3

Method Blank Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W2136-MB	5W55783.D	1	12/20/24	TCH	n/a	n/a	V5W2136

The QC reported here applies to the following samples: **Method:** TO-15

JE2491-1, JE2491-2, JE2491-3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	111%	65-128%

Method Blank Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W2138-MB	5W55823.D	1	12/23/24	TCH	n/a	n/a	V5W2138

The QC reported here applies to the following samples: **Method:** TO-15

JE2491-2

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
67-64-1	Acetone (2-Propanone)	ND	0.20	ppbv		ND	0.48	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	109%	65-128%

Method Blank Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W414-MB	7W11539.D	1	01/06/25	BK	n/a	n/a	V7W414

The QC reported here applies to the following samples: **Method:** TO-15

JE2491-4

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
106-99-0	1,3-Butadiene	ND	0.20	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane (EDB)	ND	0.20	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	ppbv		ND	0.98	ug/m3
76-13-1	Freon 113	ND	0.20	ppbv		ND	1.5	ug/m3

Method Blank Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W414-MB	7W11539.D	1	01/06/25	BK	n/a	n/a	V7W414

The QC reported here applies to the following samples: **Method:** TO-15

JE2491-4

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
76-14-2	Freon 114	ND	0.20	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	ppbv		ND	0.72	ug/m3
80-62-6	Methylmethacrylate	ND	0.20	ppbv		ND	0.82	ug/m3
91-20-3	Naphthalene	ND	0.20	ppbv		ND	1.0	ug/m3
115-07-1	Propylene	ND	0.50	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	ppbv		ND	0.87	ug/m3

Method Blank Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W414-MB	7W11539.D	1	01/06/25	BK	n/a	n/a	V7W414

The QC reported here applies to the following samples: **Method:** TO-15

JE2491-4

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	98%	65-128%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	1.58	2.6	ppbv	J
	Total TIC, Volatile		0	ppbv	

Method Blank Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W415-MB	7W11575.D	1	01/08/25	BK	n/a	n/a	V7W415

The QC reported here applies to the following samples: **Method:** TO-15

JE2491-4

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
67-64-1	Acetone (2-Propanone)	ND	0.20	ppbv		ND	0.48	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	97%	65-128%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	1.58	2.6	ppbv	J
	Total TIC, Volatile		0	ppbv	

Method Blank Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W387-MB	7W10580.D	1	11/18/24	BK	n/a	n/a	V7W387

The QC reported here applies to the following samples: **Method:** TO-15

V7W387-SCC

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
67-64-1	Acetone (2-Propanone)	ND	0.20	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane (EDB)	ND	0.20	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	ppbv		ND	0.98	ug/m3

Method Blank Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W387-MB	7W10580.D	1	11/18/24	BK	n/a	n/a	V7W387

The QC reported here applies to the following samples: **Method:** TO-15

V7W387-SCC

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	ppbv		ND	0.72	ug/m3
80-62-6	Methylmethacrylate	ND	0.20	ppbv		ND	0.82	ug/m3
91-20-3	Naphthalene	ND	0.20	ppbv		ND	1.0	ug/m3
115-07-1	Propylene	ND	0.50	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	ppbv		ND	0.87	ug/m3

Method Blank Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W387-MB	7W10580.D	1	11/18/24	BK	n/a	n/a	V7W387

The QC reported here applies to the following samples: **Method:** TO-15

V7W387-SCC

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	88%	65-128%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	1.61	7.3	ppbv	J
	Total TIC, Volatile		0	ppbv	

Method Blank Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W392-MB	7W10747.D	1	11/25/24	WC	n/a	n/a	V7W392

The QC reported here applies to the following samples: **Method:** TO-15

V7W392-SCC

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
67-64-1	Acetone (2-Propanone)	ND	0.20	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane (EDB)	ND	0.20	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	ppbv		ND	0.98	ug/m3

Method Blank Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W392-MB	7W10747.D	1	11/25/24	WC	n/a	n/a	V7W392

The QC reported here applies to the following samples: **Method:** TO-15

V7W392-SCC

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	ppbv		ND	0.72	ug/m3
80-62-6	Methylmethacrylate	ND	0.20	ppbv		ND	0.82	ug/m3
91-20-3	Naphthalene	ND	0.20	ppbv		ND	1.0	ug/m3
115-07-1	Propylene	ND	0.50	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	ppbv		ND	0.87	ug/m3

Method Blank Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W392-MB	7W10747.D	1	11/25/24	WC	n/a	n/a	V7W392

The QC reported here applies to the following samples: **Method:** TO-15

V7W392-SCC

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	94%	65-128%

Method Blank Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W394-MB	7W10814.D	1	11/27/24	BK	n/a	n/a	V7W394

The QC reported here applies to the following samples: **Method:** TO-15

V7W394-SCC

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
67-64-1	Acetone (2-Propanone)	ND	0.20	ppbv		ND	0.48	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	93%	65-128%

Method Blank Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W2132-MB	5W55670.D	1	12/16/24	TCH	n/a	n/a	V5W2132

The QC reported here applies to the following samples: **Method:** TO-15

V5W2132-SCC

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
67-64-1	Acetone (2-Propanone)	ND	0.20	ppbv		ND	0.48	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	113%	65-128%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ppbv	

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W2133-BS	5W55701.D	1	12/17/24	TCH	n/a	n/a	V5W2133
V5W2133-BSD	5W55703.D	1	12/17/24	TCH	n/a	n/a	V5W2133

The QC reported here applies to the following samples: **Method:** TO-15

JE2491-2

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
106-99-0	1,3-Butadiene	10.8	9.4	87	9.8	91	4	70-130/30
71-43-2	Benzene	11	11.9	108	12.3	112	3	70-130/30
75-27-4	Bromodichloromethane	10.5	12.1	115	12.4	118	2	70-130/30
75-25-2	Bromoform	10.7	14.7	137* [a]	14.7	137* [a]	0	70-130/30
74-83-9	Bromomethane	10.5	9.1	87	9.2	88	1	70-130/30
593-60-2	Bromoethene	10.6	9.9	93	10.1	95	2	70-130/30
100-44-7	Benzyl Chloride	10.4	11.1	107	11.0	106	1	70-130/30
75-15-0	Carbon disulfide	10.6	12.4	117	12.6	119	2	70-130/30
108-90-7	Chlorobenzene	10.8	9.9	92	10.1	94	2	70-130/30
75-00-3	Chloroethane	10.4	9.3	89	9.3	89	0	70-130/30
67-66-3	Chloroform	10.8	12.4	115	12.6	117	2	70-130/30
74-87-3	Chloromethane	10.4	9.5	91	10.1	97	6	70-130/30
107-05-1	3-Chloropropene	10.5	12.6	120	12.8	122	2	70-130/30
95-49-8	2-Chlorotoluene	10.3	10.1	98	10.0	97	1	70-130/30
56-23-5	Carbon tetrachloride	10.8	12.3	114	12.4	115	1	70-130/30
110-82-7	Cyclohexane	10.9	12.3	113	12.7	117	3	70-130/30
75-34-3	1,1-Dichloroethane	10.7	12.1	113	12.2	114	1	70-130/30
75-35-4	1,1-Dichloroethylene	10.7	11.2	105	11.7	109	4	70-130/30
106-93-4	1,2-Dibromoethane (EDB)	11	11.2	102	11.3	103	1	70-130/30
107-06-2	1,2-Dichloroethane	10.9	13.6	125	13.8	127	1	70-130/30
78-87-5	1,2-Dichloropropane	10.5	10.9	104	11.3	108	4	70-130/30
123-91-1	1,4-Dioxane	10.5	11.3	108	12.0	114	6	70-130/30
75-71-8	Dichlorodifluoromethane	10.6	12.3	116	11.9	112	3	70-130/30
124-48-1	Dibromochloromethane	10.5	10.8	103	11.1	106	3	70-130/30
156-60-5	trans-1,2-Dichloroethylene	10.5	11.3	108	11.5	110	2	70-130/30
156-59-2	cis-1,2-Dichloroethylene	10.7	11.7	109	11.8	110	1	70-130/30
10061-01-5	cis-1,3-Dichloropropene	10.7	12.8	120	13.1	122	2	70-130/30
541-73-1	m-Dichlorobenzene	10.4	10.8	104	10.7	103	1	70-130/30
95-50-1	o-Dichlorobenzene	10.7	10.9	102	10.6	99	3	70-130/30
106-46-7	p-Dichlorobenzene	10.9	11.3	104	11.0	101	3	70-130/30
10061-02-6	trans-1,3-Dichloropropene	10.2	12.6	124	13.0	127	3	70-130/30
100-41-4	Ethylbenzene	11	11.8	107	11.9	108	1	70-130/30
622-96-8	4-Ethyltoluene	10.9	11.6	106	11.5	106	1	70-130/30
76-13-1	Freon 113	10.6	12.8	121	12.9	122	1	70-130/30
76-14-2	Freon 114	11	10.8	98	11.2	102	4	70-130/30
142-82-5	Heptane	11	13.1	119	13.6	124	4	70-130/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W2133-BS	5W55701.D	1	12/17/24	TCH	n/a	n/a	V5W2133
V5W2133-BSD	5W55703.D	1	12/17/24	TCH	n/a	n/a	V5W2133

The QC reported here applies to the following samples: **Method:** TO-15

JE2491-2

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
87-68-3	Hexachlorobutadiene	10.8	16.4	152* [a]	15.2	141* [a]	8	70-130/30
110-54-3	Hexane	10.8	12.4	115	12.6	117	2	70-130/30
591-78-6	2-Hexanone	10.6	12.8	121	13.2	125	3	70-130/30
75-09-2	Methylene chloride	10.5	10.6	101	11.1	106	5	70-130/30
78-93-3	Methyl ethyl ketone	10.8	14.2	131* [b]	14.4	133* [b]	1	70-130/30
108-10-1	Methyl Isobutyl Ketone	10.8	12.8	119	13.1	121	2	70-130/30
1634-04-4	Methyl Tert Butyl Ether	10.8	13.3	123	13.5	125	1	70-130/30
91-20-3	Naphthalene	10.9	10.7	98	10.1	93	6	70-130/30
115-07-1	Propylene	10.9	12.3	113	12.1	111	2	70-130/30
100-42-5	Styrene	11	12.0	109	12.1	110	1	70-130/30
71-55-6	1,1,1-Trichloroethane	10.8	12.3	114	12.5	116	2	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	10.9	11.3	104	11.5	106	2	70-130/30
79-00-5	1,1,2-Trichloroethane	10.7	11.6	108	11.9	111	3	70-130/30
120-82-1	1,2,4-Trichlorobenzene	10.9	14.3	131* [a]	13.0	119	10	70-130/30
95-63-6	1,2,4-Trimethylbenzene	11	11.7	106	11.7	106	0	70-130/30
108-67-8	1,3,5-Trimethylbenzene	10.9	11.3	104	11.3	104	0	70-130/30
540-84-1	2,2,4-Trimethylpentane	10.8	12.0	111	12.4	115	3	70-130/30
75-65-0	Tertiary Butyl Alcohol	9.9	12.0	121	12.5	126	4	70-130/30
127-18-4	Tetrachloroethylene	10.9	11.9	109	12.0	110	1	70-130/30
109-99-9	Tetrahydrofuran	10.5	13.5	129	14.0	133* [b]	4	70-130/30
108-88-3	Toluene	10.6	11.3	107	11.5	108	2	70-130/30
79-01-6	Trichloroethylene	10.5	10.9	104	11.2	107	3	70-130/30
75-69-4	Trichlorofluoromethane	10.6	11.6	109	11.4	108	2	70-130/30
75-01-4	Vinyl chloride	10.3	9.6	93	10.1	98	5	70-130/30
108-05-4	Vinyl Acetate	10.4	12.3	118	12.6	121	2	70-130/30
	m,p-Xylene	21.4	21.7	101	22.0	103	1	70-130/30
95-47-6	o-Xylene	10.9	11.1	102	11.2	103	1	70-130/30
1330-20-7	Xylenes (total)	32.3	32.8	102	33.2	103	1	70-130/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	100%	99%	65-128%

(a) High percent recovery and no associated positive reported in the QC batch.
(b) Outside in house control limits.

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W2136-BS	5W55779.D	1	12/20/24	TCH	n/a	n/a	V5W2136
V5W2136-BSD	5W55781.D	1	12/20/24	TCH	n/a	n/a	V5W2136

The QC reported here applies to the following samples: **Method:** TO-15

JE2491-1, JE2491-2, JE2491-3

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone (2-Propanone)	10.3	6.0	58* [a]	5.9	57* [a]	2	70-130/30
106-99-0	1,3-Butadiene	10.8	7.4	69* [a]	7.0	65* [a]	6	70-130/30
71-43-2	Benzene	11	12.4	113	12.5	114	1	70-130/30
75-27-4	Bromodichloromethane	10.5	11.7	111	11.6	110	1	70-130/30
75-25-2	Bromoform	10.7	15.7	147* [b]	15.9	149* [b]	1	70-130/30
74-83-9	Bromomethane	10.5	7.6	72	7.2	69* [a]	5	70-130/30
593-60-2	Bromoethene	10.6	8.4	79	8.0	75	5	70-130/30
100-44-7	Benzyl Chloride	10.4	11.1	107	10.9	105	2	70-130/30
75-15-0	Carbon disulfide	10.6	12.5	118	12.6	119	1	70-130/30
108-90-7	Chlorobenzene	10.8	10.8	100	10.9	101	1	70-130/30
75-00-3	Chloroethane	10.4	7.4	71	7.0	67* [a]	6	70-130/30
67-66-3	Chloroform	10.8	12.3	114	12.1	112	2	70-130/30
74-87-3	Chloromethane	10.4	7.9	76	7.4	71	7	70-130/30
107-05-1	3-Chloropropene	10.5	13.0	124	13.1	125	1	70-130/30
95-49-8	2-Chlorotoluene	10.3	11.5	112	11.3	110	2	70-130/30
56-23-5	Carbon tetrachloride	10.8	12.4	115	12.1	112	2	70-130/30
110-82-7	Cyclohexane	10.9	12.9	118	13.2	121	2	70-130/30
75-34-3	1,1-Dichloroethane	10.7	12.1	113	11.8	110	3	70-130/30
75-35-4	1,1-Dichloroethylene	10.7	11.8	110	12.1	113	3	70-130/30
106-93-4	1,2-Dibromoethane (EDB)	11	12.0	109	12.2	111	2	70-130/30
107-06-2	1,2-Dichloroethane	10.9	12.7	117	12.2	112	4	70-130/30
78-87-5	1,2-Dichloropropane	10.5	10.8	103	10.7	102	1	70-130/30
123-91-1	1,4-Dioxane	10.5	11.6	110	11.7	111	1	70-130/30
75-71-8	Dichlorodifluoromethane	10.6	11.9	112	11.2	106	6	70-130/30
124-48-1	Dibromochloromethane	10.5	11.7	111	12.0	114	3	70-130/30
156-60-5	trans-1,2-Dichloroethylene	10.5	11.8	112	11.8	112	0	70-130/30
156-59-2	cis-1,2-Dichloroethylene	10.7	12.2	114	12.1	113	1	70-130/30
10061-01-5	cis-1,3-Dichloropropene	10.7	12.9	121	12.9	121	0	70-130/30
541-73-1	m-Dichlorobenzene	10.4	11.4	110	11.1	107	3	70-130/30
95-50-1	o-Dichlorobenzene	10.7	11.7	109	11.2	105	4	70-130/30
106-46-7	p-Dichlorobenzene	10.9	12.2	112	11.8	108	3	70-130/30
10061-02-6	trans-1,3-Dichloropropene	10.2	12.7	125	12.6	124	1	70-130/30
64-17-5	Ethanol	10.2	7.4	73	6.7	66* [a]	10	70-130/30
100-41-4	Ethylbenzene	11	12.6	115	12.8	116	2	70-130/30
141-78-6	Ethyl Acetate	10.8	13.5	125	13.5	125	0	70-130/30
622-96-8	4-Ethyltoluene	10.9	12.7	117	12.4	114	2	70-130/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W2136-BS	5W55779.D	1	12/20/24	TCH	n/a	n/a	V5W2136
V5W2136-BSD	5W55781.D	1	12/20/24	TCH	n/a	n/a	V5W2136

The QC reported here applies to the following samples: **Method:** TO-15

JE2491-1, JE2491-2, JE2491-3

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
76-13-1	Freon 113	10.6	13.1	124	13.3	125	2	70-130/30
76-14-2	Freon 114	11	8.9	81	8.5	77	5	70-130/30
142-82-5	Heptane	11	12.7	115	12.6	115	1	70-130/30
87-68-3	Hexachlorobutadiene	10.8	18.5	171* [b]	17.0	157* [b]	8	70-130/30
110-54-3	Hexane	10.8	12.1	112	11.9	110	2	70-130/30
591-78-6	2-Hexanone	10.6	13.1	124	13.4	126	2	70-130/30
67-63-0	Isopropyl Alcohol	10.6	11.1	105	11.0	104	1	70-130/30
75-09-2	Methylene chloride	10.5	11.0	105	11.2	107	2	70-130/30
78-93-3	Methyl ethyl ketone	10.8	14.8	137* [a]	14.8	137* [a]	0	70-130/30
108-10-1	Methyl Isobutyl Ketone	10.8	12.4	115	12.6	117	2	70-130/30
1634-04-4	Methyl Tert Butyl Ether	10.8	13.4	124	13.3	123	1	70-130/30
80-62-6	Methylmethacrylate	10.9	13.4	123	13.5	124	1	70-130/30
91-20-3	Naphthalene	10.9	12.3	113	11.3	104	8	70-130/30
115-07-1	Propylene	10.9	12.4	114	11.6	106	7	70-130/30
100-42-5	Styrene	11	13.4	122	13.4	122	0	70-130/30
71-55-6	1,1,1-Trichloroethane	10.8	12.2	113	11.8	109	3	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	10.9	11.3	104	11.3	104	0	70-130/30
79-00-5	1,1,2-Trichloroethane	10.7	11.5	107	11.6	108	1	70-130/30
120-82-1	1,2,4-Trichlorobenzene	10.9	16.7	153* [a]	15.0	138* [a]	11	70-130/30
95-63-6	1,2,4-Trimethylbenzene	11	12.2	111	11.9	108	2	70-130/30
108-67-8	1,3,5-Trimethylbenzene	10.9	12.3	113	12.0	110	2	70-130/30
540-84-1	2,2,4-Trimethylpentane	10.8	11.6	107	11.7	108	1	70-130/30
75-65-0	Tertiary Butyl Alcohol	9.9	11.7	118	11.5	116	2	70-130/30
127-18-4	Tetrachloroethylene	10.9	13.2	121	13.4	123	2	70-130/30
109-99-9	Tetrahydrofuran	10.5	14.3	136* [a]	14.0	133* [a]	2	70-130/30
108-88-3	Toluene	10.6	11.9	112	11.8	111	1	70-130/30
79-01-6	Trichloroethylene	10.5	10.8	103	10.9	104	1	70-130/30
75-69-4	Trichlorofluoromethane	10.6	10.9	103	10.8	102	1	70-130/30
75-01-4	Vinyl chloride	10.3	7.6	74	7.2	70	5	70-130/30
108-05-4	Vinyl Acetate	10.4	13.3	128	13.8	133* [a]	4	70-130/30
	m,p-Xylene	21.4	23.9	112	24.2	113	1	70-130/30
95-47-6	o-Xylene	10.9	11.9	109	11.9	109	0	70-130/30
1330-20-7	Xylenes (total)	32.3	35.8	111	36.1	112	1	70-130/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W2136-BS	5W55779.D	1	12/20/24	TCH	n/a	n/a	V5W2136
V5W2136-BSD	5W55781.D	1	12/20/24	TCH	n/a	n/a	V5W2136

The QC reported here applies to the following samples: **Method:** TO-15

JE2491-1, JE2491-2, JE2491-3

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	101%	99%	65-128%

(a) Outside in house control limits.
(b) High percent recovery and no associated positive reported in the QC batch.

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W2138-BS	5W55820.D	1	12/23/24	TCH	n/a	n/a	V5W2138
V5W2138-BSD	5W55821.D	1	12/23/24	TCH	n/a	n/a	V5W2138

The QC reported here applies to the following samples: **Method:** TO-15

JE2491-2

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone (2-Propanone)	10.3	8.3	81	8.5	83	2	70-130/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	101%	100%	65-128%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W414-BS	7W11536.D	1	01/06/25	BK	n/a	n/a	V7W414
V7W414-BSD	7W11537.D	1	01/06/25	BK	n/a	n/a	V7W414

The QC reported here applies to the following samples: **Method:** TO-15

JE2491-4

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
106-99-0	1,3-Butadiene	10.8	12.0	111	11.8	109	2	70-130/30
71-43-2	Benzene	11	11.3	103	11.3	103	0	70-130/30
75-27-4	Bromodichloromethane	10.5	11.9	113	11.9	113	0	70-130/30
75-25-2	Bromoform	10.7	11.6	108	11.7	109	1	70-130/30
74-83-9	Bromomethane	10.5	11.1	106	11.1	106	0	70-130/30
593-60-2	Bromoethene	10.6	11.0	104	10.9	103	1	70-130/30
100-44-7	Benzyl Chloride	10.4	10.2	98	10.2	98	0	70-130/30
75-15-0	Carbon disulfide	10.6	12.2	115	12.1	114	1	70-130/30
108-90-7	Chlorobenzene	10.8	11.6	107	11.7	108	1	70-130/30
75-00-3	Chloroethane	10.4	12.1	116	12.0	115	1	70-130/30
67-66-3	Chloroform	10.8	11.7	108	11.7	108	0	70-130/30
74-87-3	Chloromethane	10.4	11.8	113	11.5	111	3	70-130/30
107-05-1	3-Chloropropene	10.5	11.3	108	11.1	106	2	70-130/30
95-49-8	2-Chlorotoluene	10.3	11.2	109	11.3	110	1	70-130/30
56-23-5	Carbon tetrachloride	10.8	11.8	109	11.8	109	0	70-130/30
110-82-7	Cyclohexane	10.9	11.6	106	11.6	106	0	70-130/30
75-34-3	1,1-Dichloroethane	10.7	11.9	111	11.9	111	0	70-130/30
75-35-4	1,1-Dichloroethylene	10.7	10.6	99	10.5	98	1	70-130/30
106-93-4	1,2-Dibromoethane (EDB)	11	12.2	111	12.3	112	1	70-130/30
107-06-2	1,2-Dichloroethane	10.9	12.6	116	12.6	116	0	70-130/30
78-87-5	1,2-Dichloropropane	10.5	11.9	113	11.8	112	1	70-130/30
123-91-1	1,4-Dioxane	10.5	10.9	104	10.8	103	1	70-130/30
75-71-8	Dichlorodifluoromethane	10.6	11.6	109	11.5	108	1	70-130/30
124-48-1	Dibromochloromethane	10.5	11.7	111	11.8	112	1	70-130/30
156-60-5	trans-1,2-Dichloroethylene	10.5	10.7	102	10.6	101	1	70-130/30
156-59-2	cis-1,2-Dichloroethylene	10.7	11.1	104	11.1	104	0	70-130/30
10061-01-5	cis-1,3-Dichloropropene	10.7	11.8	110	11.8	110	0	70-130/30
541-73-1	m-Dichlorobenzene	10.4	11.8	113	11.8	113	0	70-130/30
95-50-1	o-Dichlorobenzene	10.7	11.9	111	12.0	112	1	70-130/30
106-46-7	p-Dichlorobenzene	10.9	12.4	114	12.3	113	1	70-130/30
10061-02-6	trans-1,3-Dichloropropene	10.2	11.1	109	11.1	109	0	70-130/30
64-17-5	Ethanol	10.2	11.9	117	11.8	116	1	70-130/30
100-41-4	Ethylbenzene	11	11.3	103	11.4	104	1	70-130/30
141-78-6	Ethyl Acetate	10.8	11.8	109	12.0	111	2	70-130/30
622-96-8	4-Ethyltoluene	10.9	12.2	112	12.1	111	1	70-130/30
76-13-1	Freon 113	10.6	11.0	104	10.9	103	1	70-130/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W414-BS	7W11536.D	1	01/06/25	BK	n/a	n/a	V7W414
V7W414-BSD	7W11537.D	1	01/06/25	BK	n/a	n/a	V7W414

The QC reported here applies to the following samples: **Method:** TO-15

JE2491-4

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
76-14-2	Freon 114	11	12.3	112	12.3	112	0	70-130/30
142-82-5	Heptane	11	13.3	121	13.3	121	0	70-130/30
87-68-3	Hexachlorobutadiene	10.8	13.2	122	13.4	124	2	70-130/30
110-54-3	Hexane	10.8	11.4	106	11.4	106	0	70-130/30
591-78-6	2-Hexanone	10.6	10.3	97	10.2	96	1	70-130/30
67-63-0	Isopropyl Alcohol	10.6	11.9	112	11.7	110	2	70-130/30
75-09-2	Methylene chloride	10.5	10.4	99	10.4	99	0	70-130/30
78-93-3	Methyl ethyl ketone	10.8	11.4	106	11.3	105	1	70-130/30
108-10-1	Methyl Isobutyl Ketone	10.8	11.7	108	11.7	108	0	70-130/30
1634-04-4	Methyl Tert Butyl Ether	10.8	11.1	103	11.2	104	1	70-130/30
80-62-6	Methylmethacrylate	10.9	11.2	103	11.2	103	0	70-130/30
91-20-3	Naphthalene	10.9	12.8	117	12.9	118	1	70-130/30
115-07-1	Propylene	10.9	11.6	106	11.5	106	1	70-130/30
100-42-5	Styrene	11	12.2	111	12.3	112	1	70-130/30
71-55-6	1,1,1-Trichloroethane	10.8	11.4	106	11.4	106	0	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	10.9	12.2	112	12.3	113	1	70-130/30
79-00-5	1,1,2-Trichloroethane	10.7	11.7	109	11.7	109	0	70-130/30
120-82-1	1,2,4-Trichlorobenzene	10.9	13.4	123	13.4	123	0	70-130/30
95-63-6	1,2,4-Trimethylbenzene	11	12.5	114	12.6	115	1	70-130/30
108-67-8	1,3,5-Trimethylbenzene	10.9	12.2	112	12.2	112	0	70-130/30
540-84-1	2,2,4-Trimethylpentane	10.8	12.6	117	12.7	118	1	70-130/30
75-65-0	Tertiary Butyl Alcohol	9.9	11.0	111	11.0	111	0	70-130/30
127-18-4	Tetrachloroethylene	10.9	12.0	110	12.1	111	1	70-130/30
109-99-9	Tetrahydrofuran	10.5	11.7	111	11.8	112	1	70-130/30
108-88-3	Toluene	10.6	11.1	105	11.2	106	1	70-130/30
79-01-6	Trichloroethylene	10.5	11.6	110	11.6	110	0	70-130/30
75-69-4	Trichlorofluoromethane	10.6	11.6	109	11.5	108	1	70-130/30
75-01-4	Vinyl chloride	10.3	12.7	123	12.5	121	2	70-130/30
108-05-4	Vinyl Acetate	10.4	10.5	101	10.6	102	1	70-130/30
	m,p-Xylene	21.4	22.8	107	22.9	107	0	70-130/30
95-47-6	o-Xylene	10.9	11.6	106	11.7	107	1	70-130/30
1330-20-7	Xylenes (total)	32.3	34.5	107	34.6	107	0	70-130/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W414-BS	7W11536.D	1	01/06/25	BK	n/a	n/a	V7W414
V7W414-BSD	7W11537.D	1	01/06/25	BK	n/a	n/a	V7W414

The QC reported here applies to the following samples: **Method:** TO-15

JE2491-4

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	102%	103%	65-128%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W415-BS	7W11572.D	1	01/07/25	BK	n/a	n/a	V7W415
V7W415-BSD	7W11573.D	1	01/07/25	BK	n/a	n/a	V7W415

The QC reported here applies to the following samples: **Method:** TO-15

JE2491-4

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone (2-Propanone)	10.3	9.6	93	9.5	92	1	70-130/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	103%	103%	65-128%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W387-BS	7W10577.D	1	11/18/24	BK	n/a	n/a	V7W387
V7W387-BSD	7W10578.D	1	11/18/24	BK	n/a	n/a	V7W387

The QC reported here applies to the following samples: **Method:** TO-15

V7W387-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone (2-Propanone)	10.3	9.6	93	9.8	95	2	70-130/30
106-99-0	1,3-Butadiene	10.8	10.3	95	9.7	90	6	70-130/30
71-43-2	Benzene	11	11.5	105	11.6	105	1	70-130/30
75-27-4	Bromodichloromethane	10.5	11.0	105	11.1	106	1	70-130/30
75-25-2	Bromoform	10.7	12.2	114	13.1	122	7	70-130/30
74-83-9	Bromomethane	10.5	10.2	97	10.3	98	1	70-130/30
593-60-2	Bromoethene	10.6	11.4	108	11.4	108	0	70-130/30
100-44-7	Benzyl Chloride	10.4	20.7	199* [a]	21.0	202* [a]	1	70-130/30
75-15-0	Carbon disulfide	10.6	9.6	91	9.5	90	1	70-130/30
108-90-7	Chlorobenzene	10.8	10.2	94	10.5	97	3	70-130/30
75-00-3	Chloroethane	10.4	10.6	102	10.7	103	1	70-130/30
67-66-3	Chloroform	10.8	10.8	100	10.9	101	1	70-130/30
74-87-3	Chloromethane	10.4	8.7	84	8.0	77	8	70-130/30
107-05-1	3-Chloropropene	10.5	9.4	90	9.6	91	2	70-130/30
95-49-8	2-Chlorotoluene	10.3	10	97	10.5	102	5	70-130/30
56-23-5	Carbon tetrachloride	10.8	12.4	115	12.4	115	0	70-130/30
110-82-7	Cyclohexane	10.9	11.4	105	11.5	106	1	70-130/30
75-34-3	1,1-Dichloroethane	10.7	12.5	117	12.5	117	0	70-130/30
75-35-4	1,1-Dichloroethylene	10.7	10.8	101	10.6	99	2	70-130/30
106-93-4	1,2-Dibromoethane (EDB)	11	11.6	105	11.7	106	1	70-130/30
107-06-2	1,2-Dichloroethane	10.9	10.6	97	10.6	97	0	70-130/30
78-87-5	1,2-Dichloropropane	10.5	12.1	115	12.0	114	1	70-130/30
123-91-1	1,4-Dioxane	10.5	10.6	101	10.6	101	0	70-130/30
75-71-8	Dichlorodifluoromethane	10.6	10.6	100	10.6	100	0	70-130/30
124-48-1	Dibromochloromethane	10.5	11.7	111	11.8	112	1	70-130/30
156-60-5	trans-1,2-Dichloroethylene	10.5	11.7	111	11.7	111	0	70-130/30
156-59-2	cis-1,2-Dichloroethylene	10.7	11.4	107	11.5	107	1	70-130/30
10061-01-5	cis-1,3-Dichloropropene	10.7	12.5	117	12.6	118	1	70-130/30
541-73-1	m-Dichlorobenzene	10.4	10.3	99	11.1	107	7	70-130/30
95-50-1	o-Dichlorobenzene	10.7	10.2	95	11.1	104	8	70-130/30
106-46-7	p-Dichlorobenzene	10.9	10.5	96	11.2	103	6	70-130/30
10061-02-6	trans-1,3-Dichloropropene	10.2	12.7	125	12.8	125	1	70-130/30
64-17-5	Ethanol	10.2	8.9	87	8.5	83	5	70-130/30
100-41-4	Ethylbenzene	11	10.3	94	10.5	95	2	70-130/30
141-78-6	Ethyl Acetate	10.8	11.8	109	11.8	109	0	70-130/30
622-96-8	4-Ethyltoluene	10.9	10.5	96	11.0	101	5	70-130/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W387-BS	7W10577.D	1	11/18/24	BK	n/a	n/a	V7W387
V7W387-BSD	7W10578.D	1	11/18/24	BK	n/a	n/a	V7W387

The QC reported here applies to the following samples: **Method:** TO-15

V7W387-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
76-13-1	Freon 113	10.6	11.1	105	10.9	103	2	70-130/30
76-14-2	Freon 114	11	10.6	96	10.8	98	2	70-130/30
142-82-5	Heptane	11	11.2	102	11.3	103	1	70-130/30
87-68-3	Hexachlorobutadiene	10.8	10.9	101	11.2	104	3	70-130/30
110-54-3	Hexane	10.8	11.4	106	11.4	106	0	70-130/30
591-78-6	2-Hexanone	10.6	9.9	93	10.0	94	1	70-130/30
67-63-0	Isopropyl Alcohol	10.6	8.8	83	8.6	81	2	70-130/30
75-09-2	Methylene chloride	10.5	9.1	87	9.1	87	0	70-130/30
78-93-3	Methyl ethyl ketone	10.8	12.2	113	12.1	112	1	70-130/30
108-10-1	Methyl Isobutyl Ketone	10.8	10.8	100	10.8	100	0	70-130/30
1634-04-4	Methyl Tert Butyl Ether	10.8	12.2	113	12.3	114	1	70-130/30
80-62-6	Methylmethacrylate	10.9	11.8	108	11.9	109	1	70-130/30
91-20-3	Naphthalene	10.9	8.9	82	9.2	84	3	70-130/30
115-07-1	Propylene	10.9	13.4	123	11.8	108	13	70-130/30
100-42-5	Styrene	11	10.9	99	11.3	103	4	70-130/30
71-55-6	1,1,1-Trichloroethane	10.8	11.7	108	11.8	109	1	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	10.9	10.5	96	10.7	98	2	70-130/30
79-00-5	1,1,2-Trichloroethane	10.7	11.3	106	11.3	106	0	70-130/30
120-82-1	1,2,4-Trichlorobenzene	10.9	10.1	93	10.4	95	3	70-130/30
95-63-6	1,2,4-Trimethylbenzene	11	10.1	92	10.5	95	4	70-130/30
108-67-8	1,3,5-Trimethylbenzene	10.9	10.3	94	10.6	97	3	70-130/30
540-84-1	2,2,4-Trimethylpentane	10.8	11.8	109	11.8	109	0	70-130/30
75-65-0	Tertiary Butyl Alcohol	9.9	9.1	92	9.1	92	0	70-130/30
127-18-4	Tetrachloroethylene	10.9	11.5	106	11.7	107	2	70-130/30
109-99-9	Tetrahydrofuran	10.5	12.1	115	12.2	116	1	70-130/30
108-88-3	Toluene	10.6	10.6	100	10.7	101	1	70-130/30
79-01-6	Trichloroethylene	10.5	10.6	101	10.7	102	1	70-130/30
75-69-4	Trichlorofluoromethane	10.6	10	94	9.9	93	1	70-130/30
75-01-4	Vinyl chloride	10.3	10.4	101	10.1	98	3	70-130/30
108-05-4	Vinyl Acetate	10.4	12.1	116	11.9	114	2	70-130/30
	m,p-Xylene	21.4	20.0	93	20.6	96	3	70-130/30
95-47-6	o-Xylene	10.9	10.0	92	10.3	94	3	70-130/30
1330-20-7	Xylenes (total)	32.3	30.0	93	30.9	96	3	70-130/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W387-BS	7W10577.D	1	11/18/24	BK	n/a	n/a	V7W387
V7W387-BSD	7W10578.D	1	11/18/24	BK	n/a	n/a	V7W387

The QC reported here applies to the following samples: **Method:** TO-15

V7W387-SCC

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	93%	94%	65-128%

(a) High percent recovery and no associated positive reported in the QC batch.

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W392-BS	7W10744.D	1	11/25/24	WC	n/a	n/a	V7W392
V7W392-BSD	7W10745.D	1	11/25/24	WC	n/a	n/a	V7W392

The QC reported here applies to the following samples: **Method:** TO-15

V7W392-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone (2-Propanone)	10.3	9.8	95	9.4	91	4	70-130/30
106-99-0	1,3-Butadiene	10.8	11.3	105	10.7	99	5	70-130/30
71-43-2	Benzene	11	11.1	101	10.9	99	2	70-130/30
75-27-4	Bromodichloromethane	10.5	11.0	105	10.6	101	4	70-130/30
75-25-2	Bromoform	10.7	11.9	111	11.4	107	4	70-130/30
74-83-9	Bromomethane	10.5	10.5	100	10.3	98	2	70-130/30
593-60-2	Bromoethene	10.6	10.9	103	10.7	101	2	70-130/30
100-44-7	Benzyl Chloride	10.4	21.7	209* [a]	21.2	204* [a]	2	70-130/30
75-15-0	Carbon disulfide	10.6	11.0	104	10.7	101	3	70-130/30
108-90-7	Chlorobenzene	10.8	10.8	100	10.7	99	1	70-130/30
75-00-3	Chloroethane	10.4	11.1	107	10.6	102	5	70-130/30
67-66-3	Chloroform	10.8	11.2	104	10.9	101	3	70-130/30
74-87-3	Chloromethane	10.4	10.4	100	9.8	94	6	70-130/30
107-05-1	3-Chloropropene	10.5	10.9	104	10.7	102	2	70-130/30
95-49-8	2-Chlorotoluene	10.3	10.7	104	10.5	102	2	70-130/30
56-23-5	Carbon tetrachloride	10.8	12.0	111	11.6	107	3	70-130/30
110-82-7	Cyclohexane	10.9	11.0	101	10.8	99	2	70-130/30
75-34-3	1,1-Dichloroethane	10.7	12.3	115	12.0	112	2	70-130/30
75-35-4	1,1-Dichloroethylene	10.7	10.6	99	10.8	101	2	70-130/30
106-93-4	1,2-Dibromoethane (EDB)	11	11.4	104	11.2	102	2	70-130/30
107-06-2	1,2-Dichloroethane	10.9	11.0	101	11.0	101	0	70-130/30
78-87-5	1,2-Dichloropropane	10.5	11.0	105	10.8	103	2	70-130/30
123-91-1	1,4-Dioxane	10.5	10	95	10.4	99	4	70-130/30
75-71-8	Dichlorodifluoromethane	10.6	10.8	102	10.6	100	2	70-130/30
124-48-1	Dibromochloromethane	10.5	10.9	104	10.7	102	2	70-130/30
156-60-5	trans-1,2-Dichloroethylene	10.5	10.7	102	10.6	101	1	70-130/30
156-59-2	cis-1,2-Dichloroethylene	10.7	11.3	106	11.2	105	1	70-130/30
10061-01-5	cis-1,3-Dichloropropene	10.7	12.0	112	11.8	110	2	70-130/30
541-73-1	m-Dichlorobenzene	10.4	10.8	104	10.6	102	2	70-130/30
95-50-1	o-Dichlorobenzene	10.7	10.8	101	10.6	99	2	70-130/30
106-46-7	p-Dichlorobenzene	10.9	11.0	101	10.9	100	1	70-130/30
10061-02-6	trans-1,3-Dichloropropene	10.2	12.3	121	12.0	118	2	70-130/30
64-17-5	Ethanol	10.2	10.1	99	9.5	93	6	70-130/30
100-41-4	Ethylbenzene	11	10.6	96	10.3	94	3	70-130/30
141-78-6	Ethyl Acetate	10.8	11.5	106	11.4	106	1	70-130/30
622-96-8	4-Ethyltoluene	10.9	11.0	101	11.0	101	0	70-130/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W392-BS	7W10744.D	1	11/25/24	WC	n/a	n/a	V7W392
V7W392-BSD	7W10745.D	1	11/25/24	WC	n/a	n/a	V7W392

The QC reported here applies to the following samples: **Method:** TO-15

V7W392-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
76-13-1	Freon 113	10.6	9.8	92	9.6	91	2	70-130/30
76-14-2	Freon 114	11	11.6	105	11.5	105	1	70-130/30
142-82-5	Heptane	11	10	91	9.9	90	1	70-130/30
87-68-3	Hexachlorobutadiene	10.8	11.8	109	11.5	106	3	70-130/30
110-54-3	Hexane	10.8	10.7	99	10.6	98	1	70-130/30
591-78-6	2-Hexanone	10.6	9.0	85	9.0	85	0	70-130/30
67-63-0	Isopropyl Alcohol	10.6	9.6	91	9.3	88	3	70-130/30
75-09-2	Methylene chloride	10.5	10.0	95	9.8	93	2	70-130/30
78-93-3	Methyl ethyl ketone	10.8	11.7	108	11.4	106	3	70-130/30
108-10-1	Methyl Isobutyl Ketone	10.8	9.9	92	9.8	91	1	70-130/30
1634-04-4	Methyl Tert Butyl Ether	10.8	11.8	109	11.7	108	1	70-130/30
80-62-6	Methylmethacrylate	10.9	11.1	102	10.9	100	2	70-130/30
91-20-3	Naphthalene	10.9	9.7	89	9.6	88	1	70-130/30
115-07-1	Propylene	10.9	11.6	106	11.1	102	4	70-130/30
100-42-5	Styrene	11	11.2	102	10.9	99	3	70-130/30
71-55-6	1,1,1-Trichloroethane	10.8	11.7	108	11.5	106	2	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	10.9	11.6	106	11.4	105	2	70-130/30
79-00-5	1,1,2-Trichloroethane	10.7	11.0	103	10.8	101	2	70-130/30
120-82-1	1,2,4-Trichlorobenzene	10.9	11.0	101	10.9	100	1	70-130/30
95-63-6	1,2,4-Trimethylbenzene	11	10.8	98	10.7	97	1	70-130/30
108-67-8	1,3,5-Trimethylbenzene	10.9	10.7	98	10.6	97	1	70-130/30
540-84-1	2,2,4-Trimethylpentane	10.8	10.6	98	10.5	97	1	70-130/30
75-65-0	Tertiary Butyl Alcohol	9.9	10.6	107	10.5	106	1	70-130/30
127-18-4	Tetrachloroethylene	10.9	11.0	101	10.9	100	1	70-130/30
109-99-9	Tetrahydrofuran	10.5	11.5	110	11.5	110	0	70-130/30
108-88-3	Toluene	10.6	9.9	93	9.7	92	2	70-130/30
79-01-6	Trichloroethylene	10.5	10.3	98	10.0	95	3	70-130/30
75-69-4	Trichlorofluoromethane	10.6	10.1	95	9.9	93	2	70-130/30
75-01-4	Vinyl chloride	10.3	11.5	112	11.2	109	3	70-130/30
108-05-4	Vinyl Acetate	10.4	11.8	113	11.1	107	6	70-130/30
	m,p-Xylene	21.4	20.6	96	20.1	94	2	70-130/30
95-47-6	o-Xylene	10.9	10.5	96	10.3	94	2	70-130/30
1330-20-7	Xylenes (total)	32.3	31.1	96	30.4	94	2	70-130/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W392-BS	7W10744.D	1	11/25/24	WC	n/a	n/a	V7W392
V7W392-BSD	7W10745.D	1	11/25/24	WC	n/a	n/a	V7W392

The QC reported here applies to the following samples: **Method:** TO-15

V7W392-SCC

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	98%	99%	65-128%

(a) High percent recovery and no associated positive reported in the QC batch.

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W394-BS	7W10811.D	1	11/27/24	BK	n/a	n/a	V7W394
V7W394-BSD	7W10812.D	1	11/27/24	BK	n/a	n/a	V7W394

The QC reported here applies to the following samples: **Method:** TO-15

V7W394-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone (2-Propanone)	10.3	12.0	117	11.1	108	8	70-130/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	97%	97%	65-128%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W2132-BS	5W55665.D	1	12/16/24	TCH	n/a	n/a	V5W2132
V5W2132-BSD	5W55666.D	1	12/16/24	TCH	n/a	n/a	V5W2132

The QC reported here applies to the following samples: **Method:** TO-15

V5W2132-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone (2-Propanone)	10.3	8.0	78	7.9	77	1	70-130/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	98%	100%	65-128%

* = Outside of Control Limits.

Duplicate Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JE2488-2DUP	5W55717.D	1	12/18/24	TCH	n/a	n/a	V5W2133
JE2488-2 [a]	5W55716.D	1	12/18/24	TCH	n/a	n/a	V5W2133

The QC reported here applies to the following samples: **Method:** TO-15

JE2491-2

CAS No.	Compound	JE2488-2 ppbv	Q	DUP ppbv	Q	RPD	Limits
106-99-0	1,3-Butadiene	ND		ND		nc	25
71-43-2	Benzene	0.75		0.77		3	25
75-27-4	Bromodichloromethane	ND		ND		nc	25
75-25-2	Bromoform	ND		ND		nc	25
74-83-9	Bromomethane	ND		ND		nc	25
593-60-2	Bromoethene	ND		ND		nc	25
100-44-7	Benzyl Chloride	ND		ND		nc	25
75-15-0	Carbon disulfide	ND		ND		nc	25
108-90-7	Chlorobenzene	ND		ND		nc	25
75-00-3	Chloroethane	ND		ND		nc	25
67-66-3	Chloroform	ND		ND		nc	25
74-87-3	Chloromethane	0.76		0.80		5	25
107-05-1	3-Chloropropene	ND		ND		nc	25
95-49-8	2-Chlorotoluene	ND		ND		nc	25
56-23-5	Carbon tetrachloride	0.078		0.074	J	5	25
110-82-7	Cyclohexane	0.15		0.15	J	0	25
75-34-3	1,1-Dichloroethane	ND		ND		nc	25
75-35-4	1,1-Dichloroethylene	ND		ND		nc	25
106-93-4	1,2-Dibromoethane (EDB)	ND		ND		nc	25
107-06-2	1,2-Dichloroethane	ND		ND		nc	25
78-87-5	1,2-Dichloropropane	ND		ND		nc	25
123-91-1	1,4-Dioxane	0.14		0.12	J	15	25
75-71-8	Dichlorodifluoromethane	0.58		0.57		2	25
124-48-1	Dibromochloromethane	ND		ND		nc	25
156-60-5	trans-1,2-Dichloroethylene	ND		ND		nc	25
156-59-2	cis-1,2-Dichloroethylene	ND		ND		nc	25
10061-01-5	cis-1,3-Dichloropropene	ND		ND		nc	25
541-73-1	m-Dichlorobenzene	ND		ND		nc	25
95-50-1	o-Dichlorobenzene	ND		ND		nc	25
106-46-7	p-Dichlorobenzene	ND		ND		nc	25
10061-02-6	trans-1,3-Dichloropropene	ND		ND		nc	25
100-41-4	Ethylbenzene	0.097		0.099	J	2	25
622-96-8	4-Ethyltoluene	ND		ND		nc	25
76-13-1	Freon 113	0.080		0.076	J	5	25
76-14-2	Freon 114	ND		ND		nc	25
142-82-5	Heptane	0.27		0.28		4	25

* = Outside of Control Limits.

Duplicate Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JE2488-2DUP	5W55717.D	1	12/18/24	TCH	n/a	n/a	V5W2133
JE2488-2 [a]	5W55716.D	1	12/18/24	TCH	n/a	n/a	V5W2133

The QC reported here applies to the following samples: **Method:** TO-15

JE2491-2

CAS No.	Compound	JE2488-2 ppbv	Q	DUP ppbv	Q	RPD	Limits
87-68-3	Hexachlorobutadiene	ND		ND		nc	25
110-54-3	Hexane	0.98		0.97		1	25
591-78-6	2-Hexanone	ND		ND		nc	25
75-09-2	Methylene chloride	0.65		0.64		2	25
78-93-3	Methyl ethyl ketone	0.12		0.18		40* [b]	25
108-10-1	Methyl Isobutyl Ketone	ND		ND		nc	25
1634-04-4	Methyl Tert Butyl Ether	ND		ND		nc	25
91-20-3	Naphthalene	ND		ND		nc	25
115-07-1	Propylene	ND		ND		nc	25
100-42-5	Styrene	ND		ND		nc	25
71-55-6	1,1,1-Trichloroethane	ND		ND		nc	25
79-34-5	1,1,2,2-Tetrachloroethane	ND		ND		nc	25
79-00-5	1,1,2-Trichloroethane	ND		ND		nc	25
120-82-1	1,2,4-Trichlorobenzene	ND		ND		nc	25
95-63-6	1,2,4-Trimethylbenzene	0.079		0.077	J	3	25
108-67-8	1,3,5-Trimethylbenzene	ND		ND		nc	25
540-84-1	2,2,4-Trimethylpentane	0.36		0.37		3	25
75-65-0	Tertiary Butyl Alcohol	0.079		0.079	J	0	25
127-18-4	Tetrachloroethylene	ND		ND		nc	25
109-99-9	Tetrahydrofuran	ND		ND		nc	25
108-88-3	Toluene	0.59		0.60		2	25
79-01-6	Trichloroethylene	ND		ND		nc	25
75-69-4	Trichlorofluoromethane	0.31		0.32		3	25
75-01-4	Vinyl chloride	ND		ND		nc	25
108-05-4	Vinyl Acetate	ND		ND		nc	25
	m,p-Xylene	0.27		0.26		4	25
95-47-6	o-Xylene	0.10		0.10	J	0	25
1330-20-7	Xylenes (total)	0.37		0.36		3	25

CAS No.	Surrogate Recoveries	DUP	JE2488-2	Limits
460-00-4	4-Bromofluorobenzene	106%		65-128%

(a) Sample used for QC purposes only.
(b) RPD acceptable due to low DUP and sample concentrations.

* = Outside of Control Limits.

Duplicate Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JE2665-1DUP	5W55785.D	1	12/20/24	TCH	n/a	n/a	V5W2136
JE2665-1	5W55784.D	1	12/20/24	TCH	n/a	n/a	V5W2136

The QC reported here applies to the following samples: **Method:** TO-15

JE2491-1, JE2491-2, JE2491-3

CAS No.	Compound	JE2665-1 ppbv	Q	DUP ppbv	Q	RPD	Limits
67-64-1	Acetone (2-Propanone)	1.5		1.5		0	25
106-99-0	1,3-Butadiene	ND		ND		nc	25
71-43-2	Benzene	ND		ND		nc	25
75-27-4	Bromodichloromethane	ND		ND		nc	25
75-25-2	Bromoform	ND		ND		nc	25
74-83-9	Bromomethane	ND		ND		nc	25
593-60-2	Bromoethene	ND		ND		nc	25
100-44-7	Benzyl Chloride	ND		ND		nc	25
75-15-0	Carbon disulfide	ND		ND		nc	25
108-90-7	Chlorobenzene	ND		ND		nc	25
75-00-3	Chloroethane	ND		ND		nc	25
67-66-3	Chloroform	ND		ND		nc	25
74-87-3	Chloromethane	ND		ND		nc	25
107-05-1	3-Chloropropene	ND		ND		nc	25
95-49-8	2-Chlorotoluene	ND		ND		nc	25
56-23-5	Carbon tetrachloride	ND		ND		nc	25
110-82-7	Cyclohexane	ND		ND		nc	25
75-34-3	1,1-Dichloroethane	ND		ND		nc	25
75-35-4	1,1-Dichloroethylene	ND		ND		nc	25
106-93-4	1,2-Dibromoethane (EDB)	ND		ND		nc	25
107-06-2	1,2-Dichloroethane	ND		ND		nc	25
78-87-5	1,2-Dichloropropane	ND		ND		nc	25
123-91-1	1,4-Dioxane	ND		ND		nc	25
75-71-8	Dichlorodifluoromethane	ND		ND		nc	25
124-48-1	Dibromochloromethane	ND		ND		nc	25
156-60-5	trans-1,2-Dichloroethylene	ND		ND		nc	25
156-59-2	cis-1,2-Dichloroethylene	ND		ND		nc	25
10061-01-5	cis-1,3-Dichloropropene	ND		ND		nc	25
541-73-1	m-Dichlorobenzene	ND		ND		nc	25
95-50-1	o-Dichlorobenzene	0.50	J	ND		200* [a]	25
106-46-7	p-Dichlorobenzene	ND		ND		nc	25
10061-02-6	trans-1,3-Dichloropropene	ND		ND		nc	25
64-17-5	Ethanol	1.8	J	2.2		20	25
100-41-4	Ethylbenzene	ND		ND		nc	25
141-78-6	Ethyl Acetate	0.71	J	0.79	J	11	25
622-96-8	4-Ethyltoluene	ND		ND		nc	25

* = Outside of Control Limits.

Duplicate Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JE2665-1DUP	5W55785.D	1	12/20/24	TCH	n/a	n/a	V5W2136
JE2665-1	5W55784.D	1	12/20/24	TCH	n/a	n/a	V5W2136

The QC reported here applies to the following samples: **Method:** TO-15

JE2491-1, JE2491-2, JE2491-3

CAS No.	Compound	JE2665-1 ppbv	Q	DUP ppbv	Q	RPD	Limits
76-13-1	Freon 113	ND		ND		nc	25
76-14-2	Freon 114	ND		ND		nc	25
142-82-5	Heptane	ND		ND		nc	25
87-68-3	Hexachlorobutadiene	ND		ND		nc	25
110-54-3	Hexane	ND		ND		nc	25
591-78-6	2-Hexanone	ND		ND		nc	25
67-63-0	Isopropyl Alcohol	ND		ND		nc	25
75-09-2	Methylene chloride	ND		ND		nc	25
78-93-3	Methyl ethyl ketone	ND		ND		nc	25
108-10-1	Methyl Isobutyl Ketone	ND		ND		nc	25
1634-04-4	Methyl Tert Butyl Ether	ND		ND		nc	25
80-62-6	Methylmethacrylate	ND		ND		nc	25
91-20-3	Naphthalene	2.0		ND		200* [a]	25
115-07-1	Propylene	ND		ND		nc	25
100-42-5	Styrene	ND		ND		nc	25
71-55-6	1,1,1-Trichloroethane	ND		ND		nc	25
79-34-5	1,1,2,2-Tetrachloroethane	ND		ND		nc	25
79-00-5	1,1,2-Trichloroethane	ND		ND		nc	25
120-82-1	1,2,4-Trichlorobenzene	2.1		ND		200* [a]	25
95-63-6	1,2,4-Trimethylbenzene	ND		ND		nc	25
108-67-8	1,3,5-Trimethylbenzene	ND		ND		nc	25
540-84-1	2,2,4-Trimethylpentane	ND		ND		nc	25
75-65-0	Tertiary Butyl Alcohol	ND		ND		nc	25
127-18-4	Tetrachloroethylene	ND		ND		nc	25
109-99-9	Tetrahydrofuran	ND		ND		nc	25
108-88-3	Toluene	ND		ND		nc	25
79-01-6	Trichloroethylene	0.28		ND		200* [a]	25
75-69-4	Trichlorofluoromethane	ND		ND		nc	25
75-01-4	Vinyl chloride	ND		ND		nc	25
108-05-4	Vinyl Acetate	ND		ND		nc	25
	m,p-Xylene	ND		ND		nc	25
95-47-6	o-Xylene	ND		ND		nc	25
1330-20-7	Xylenes (total)	ND		ND		nc	25

* = Outside of Control Limits.

Duplicate Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JE2665-1DUP	5W55785.D	1	12/20/24	TCH	n/a	n/a	V5W2136
JE2665-1	5W55784.D	1	12/20/24	TCH	n/a	n/a	V5W2136

The QC reported here applies to the following samples: **Method:** TO-15

JE2491-1, JE2491-2, JE2491-3

CAS No.	Surrogate Recoveries	DUP	JE2665-1	Limits
460-00-4	4-Bromofluorobenzene	113%	111%	65-128%

(a) RPD acceptable due to low DUP and sample concentrations.

* = Outside of Control Limits.

Duplicate Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JE2315-1DUP	5W55826.D	1	12/23/24	TCH	n/a	n/a	V5W2138
JE2315-1	5W55825.D	1	12/23/24	TCH	n/a	n/a	V5W2138

The QC reported here applies to the following samples: **Method:** TO-15

JE2491-2

CAS No.	Compound	JE2315-1 ppbv	Q	DUP ppbv	Q	RPD	Limits
67-64-1	Acetone (2-Propanone)	3.7		3.6		3	25

CAS No.	Surrogate Recoveries	DUP	JE2315-1	Limits
460-00-4	4-Bromofluorobenzene	109%	107%	65-128%

* = Outside of Control Limits.

Duplicate Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JE2792-5DUP	7W11549.D	1	01/07/25	BK	n/a	n/a	V7W414
JE2792-5	7W11548.D	1	01/07/25	BK	n/a	n/a	V7W414

The QC reported here applies to the following samples: **Method:** TO-15

JE2491-4

CAS No.	Compound	JE2792-5 ppbv	Q	DUP ppbv	Q	RPD	Limits
106-99-0	1,3-Butadiene	0.11	J	0.12	J	9	25
71-43-2	Benzene	0.34		0.34		0	25
75-27-4	Bromodichloromethane	ND		ND		nc	25
75-25-2	Bromoform	ND		ND		nc	25
74-83-9	Bromomethane	ND		ND		nc	25
593-60-2	Bromoethene	ND		ND		nc	25
100-44-7	Benzyl Chloride	ND		ND		nc	25
75-15-0	Carbon disulfide	ND		ND		nc	25
108-90-7	Chlorobenzene	ND		ND		nc	25
75-00-3	Chloroethane	ND		ND		nc	25
67-66-3	Chloroform	ND		ND		nc	25
74-87-3	Chloromethane	0.62		0.62		0	25
107-05-1	3-Chloropropene	ND		ND		nc	25
95-49-8	2-Chlorotoluene	ND		ND		nc	25
56-23-5	Carbon tetrachloride	ND		ND		nc	25
110-82-7	Cyclohexane	0.11	J	0.10	J	10	25
75-34-3	1,1-Dichloroethane	ND		ND		nc	25
75-35-4	1,1-Dichloroethylene	ND		ND		nc	25
106-93-4	1,2-Dibromoethane (EDB)	ND		ND		nc	25
107-06-2	1,2-Dichloroethane	ND		ND		nc	25
78-87-5	1,2-Dichloropropane	ND		ND		nc	25
123-91-1	1,4-Dioxane	ND		ND		nc	25
75-71-8	Dichlorodifluoromethane	0.40		0.40		0	25
124-48-1	Dibromochloromethane	ND		ND		nc	25
156-60-5	trans-1,2-Dichloroethylene	ND		ND		nc	25
156-59-2	cis-1,2-Dichloroethylene	ND		ND		nc	25
10061-01-5	cis-1,3-Dichloropropene	ND		ND		nc	25
541-73-1	m-Dichlorobenzene	ND		ND		nc	25
95-50-1	o-Dichlorobenzene	ND		ND		nc	25
106-46-7	p-Dichlorobenzene	ND		ND		nc	25
10061-02-6	trans-1,3-Dichloropropene	ND		ND		nc	25
64-17-5	Ethanol	8.9		9.0		1	25
100-41-4	Ethylbenzene	0.99		1.0		1	25
141-78-6	Ethyl Acetate	5.4		5.4		0	25
622-96-8	4-Ethyltoluene	ND		ND		nc	25
76-13-1	Freon 113	ND		ND		nc	25

* = Outside of Control Limits.

Duplicate Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JE2792-5DUP	7W11549.D	1	01/07/25	BK	n/a	n/a	V7W414
JE2792-5	7W11548.D	1	01/07/25	BK	n/a	n/a	V7W414

The QC reported here applies to the following samples: **Method:** TO-15

JE2491-4

CAS No.	Compound	JE2792-5 ppbv	Q	DUP ppbv	Q	RPD	Limits
76-14-2	Freon 114	ND		ND		nc	25
142-82-5	Heptane	0.13	J	0.13	J	0	25
87-68-3	Hexachlorobutadiene	ND		ND		nc	25
110-54-3	Hexane	0.29		0.30		3	25
591-78-6	2-Hexanone	ND		ND		nc	25
67-63-0	Isopropyl Alcohol	3.2		3.3		3	25
75-09-2	Methylene chloride	1.7		1.7		0	25
78-93-3	Methyl ethyl ketone	5.0		5.1		2	25
108-10-1	Methyl Isobutyl Ketone	ND		ND		nc	25
1634-04-4	Methyl Tert Butyl Ether	ND		ND		nc	25
80-62-6	Methylmethacrylate	0.20		0.19	J	5	25
91-20-3	Naphthalene	ND		ND		nc	25
115-07-1	Propylene	ND		ND		nc	25
100-42-5	Styrene	1.9		1.9		0	25
71-55-6	1,1,1-Trichloroethane	ND		ND		nc	25
79-34-5	1,1,2,2-Tetrachloroethane	ND		ND		nc	25
79-00-5	1,1,2-Trichloroethane	ND		ND		nc	25
120-82-1	1,2,4-Trichlorobenzene	ND		ND		nc	25
95-63-6	1,2,4-Trimethylbenzene	ND		ND		nc	25
108-67-8	1,3,5-Trimethylbenzene	ND		ND		nc	25
540-84-1	2,2,4-Trimethylpentane	0.13	J	0.13	J	0	25
75-65-0	Tertiary Butyl Alcohol	0.26		0.26		0	25
127-18-4	Tetrachloroethylene	0.14		0.15		7	25
109-99-9	Tetrahydrofuran	1.4		1.4		0	25
108-88-3	Toluene	0.75		0.76		1	25
79-01-6	Trichloroethylene	ND		ND		nc	25
75-69-4	Trichlorofluoromethane	1.4		1.4		0	25
75-01-4	Vinyl chloride	ND		ND		nc	25
108-05-4	Vinyl Acetate	ND		ND		nc	25
	m,p-Xylene	2.1		2.1		0	25
95-47-6	o-Xylene	0.66		0.67		2	25
1330-20-7	Xylenes (total)	2.8		2.8		0	25

* = Outside of Control Limits.

Duplicate Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JE2792-5DUP	7W11549.D	1	01/07/25	BK	n/a	n/a	V7W414
JE2792-5	7W11548.D	1	01/07/25	BK	n/a	n/a	V7W414

The QC reported here applies to the following samples: **Method:** TO-15

JE2491-4

CAS No.	Surrogate Recoveries	DUP	JE2792-5	Limits
460-00-4	4-Bromofluorobenzene	102%	102%	65-128%

* = Outside of Control Limits.

Duplicate Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JE3433-3DUP	7W11588.D	1	01/08/25	BK	n/a	n/a	V7W415
JE3433-3	7W11585.D	1	01/08/25	BK	n/a	n/a	V7W415

The QC reported here applies to the following samples: **Method:** TO-15

JE2491-4

CAS No.	Compound	JE3433-3 ppbv	Q	DUP ppbv	Q	RPD	Limits
67-64-1	Acetone (2-Propanone)	5.9		5.7		3	25

CAS No.	Surrogate Recoveries	DUP	JE3433-3	Limits
460-00-4	4-Bromofluorobenzene	103%	101%	65-128%

* = Outside of Control Limits.

Summa Cleaning Certification

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W387-SCC	7W10605.D	1	11/19/24	BK	n/a	n/a	V7W387

The QC reported here (Summa A779) applies to the following samples: **Method:** TO-15

Batch CP12922 cleaned 11/08/24: JE2491-3(A1480)

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
67-64-1	Acetone (2-Propanone)	ND	0.20	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane (EDB)	ND	0.20	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	ppbv		ND	0.98	ug/m3

Summa Cleaning Certification

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W387-SCC	7W10605.D	1	11/19/24	BK	n/a	n/a	V7W387

The QC reported here (Summa A779) applies to the following samples: **Method:** TO-15

Batch CP12922 cleaned 11/08/24: JE2491-3(A1480)

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	ppbv		ND	0.72	ug/m3
80-62-6	Methylmethacrylate	ND	0.20	ppbv		ND	0.82	ug/m3
91-20-3	Naphthalene	ND	0.20	ppbv		ND	1.0	ug/m3
115-07-1	Propylene	ND	0.50	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	ppbv		ND	0.87	ug/m3

Summa Cleaning Certification

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W387-SCC	7W10605.D	1	11/19/24	BK	n/a	n/a	V7W387

The QC reported here (Summa A779) applies to the following samples: **Method:** TO-15

Batch CP12922 cleaned 11/08/24: JE2491-3(A1480)

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	85%	65-128%

Summa Cleaning Certification

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W392-SCC	7W10777.D	1	11/26/24	WC	n/a	n/a	V7W392

The QC reported here (Summa A1858) applies to the following samples: **Method:** TO-15

Batch CP12926 cleaned 11/16/24: JE2491-1(A1726), JE2491-2(A1735), JE2491-4(A1688)

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
67-64-1	Acetone (2-Propanone)	ND	0.20	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride [a]	ND	0.20	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane (EDB)	ND	0.20	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	ppbv		ND	0.98	ug/m3

Summa Cleaning Certification

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W392-SCC	7W10777.D	1	11/26/24	WC	n/a	n/a	V7W392

The QC reported here (Summa A1858) applies to the following samples: **Method:** TO-15

Batch CP12926 cleaned 11/16/24: JE2491-1(A1726), JE2491-2(A1735), JE2491-4(A1688)

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	ppbv		ND	0.72	ug/m3
80-62-6	Methylmethacrylate	ND	0.20	ppbv		ND	0.82	ug/m3
91-20-3	Naphthalene	ND	0.20	ppbv		ND	1.0	ug/m3
115-07-1	Propylene	ND	0.50	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	ppbv		ND	0.87	ug/m3

Summa Cleaning Certification

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W392-SCC	7W10777.D	1	11/26/24	WC	n/a	n/a	V7W392

The QC reported here (Summa A1858) applies to the following samples: **Method:** TO-15

Batch CP12926 cleaned 11/16/24: JE2491-1(A1726), JE2491-2(A1735), JE2491-4(A1688)

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	100%	65-128%

(a) This compound in blank spike is outside in house QC limits bias high.

Summa Cleaning Certification

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W394-SCC	7W10831.D	1	11/28/24	BK	n/a	n/a	V7W394

The QC reported here (Summa A792) applies to the following samples: **Method:** TO-15

Batch CP12897 cleaned 10/01/24: JE2491-2(M442)

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
67-64-1	Acetone (2-Propanone)	ND	0.20	ppbv		ND	0.48	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	92%	65-128%

Summa Cleaning Certification

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W2132-SCC	5W55670A.D	1	12/16/24	TCH	n/a	n/a	V5W2132

The QC reported here (Summa A1800) applies to the following samples: **Method:** TO-15

Batch CP12944 cleaned 12/11/24: JE2491-4(M143)

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
67-64-1	Acetone (2-Propanone)	ND	0.20	ppbv		ND	0.48	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	113%	65-128%

Instrument Performance Check (BFB)

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample: V5W2125-BFB
Lab File ID: 5W55458.D
Instrument ID: GCMS5W
Injection Date: 12/09/24
Injection Time: 03:34

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	87907	21.0		Pass
75	30.0 - 66.0% of mass 95	218027	52.1		Pass
95	Base peak, 100% relative abundance	418581	100.0		Pass
96	5.0 - 9.0% of mass 95	28349	6.77		Pass
173	Less than 2.0% of mass 174	3695	0.88	(1.07) [a]	Pass
174	50.0 - 120.0% of mass 95	343765	82.1		Pass
175	4.0 - 9.01% of mass 174	26424	6.31	(7.69) [a]	Pass
176	93.0 - 101.0% of mass 174	334720	80.0	(97.4) [a]	Pass
177	5.0 - 9.0% of mass 176	22512	5.38	(6.73) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V5W2125-IC2125	5W55459.D	12/09/24	04:14	00:40	Initial cal 0.04
V5W2125-IC2125	5W55460.D	12/09/24	04:54	01:20	Initial cal 0.1
V5W2125-IC2125	5W55461.D	12/09/24	05:35	02:01	Initial cal 0.2
V5W2125-IC2125	5W55463.D	12/09/24	06:59	03:25	Initial cal 0.5
V5W2125-IC2125	5W55464.D	12/09/24	07:45	04:11	Initial cal 5
V5W2125-ICC2125	5W55466.D	12/09/24	09:03	05:29	Initial cal 10
V5W2125-IC2125	5W55467.D	12/09/24	09:45	06:11	Initial cal 20
V5W2125-IC2125	5W55468.D	12/09/24	10:29	06:55	Initial cal 40
V5W2125-IC2125	5W55469.D	12/09/24	11:14	07:40	Initial cal 50
V5W2125-ICV2125	5W55473.D	12/09/24	13:55	10:21	Initial cal verification 10

Instrument Performance Check (BFB)

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample: V5W2132-BFB
Lab File ID: 5W55663.D
Instrument ID: GCMS5W
Injection Date: 12/16/24
Injection Time: 12:41

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	101069	23.2		Pass
75	30.0 - 66.0% of mass 95	267968	61.5		Pass
95	Base peak, 100% relative abundance	435499	100.0		Pass
96	5.0 - 9.0% of mass 95	29261	6.72		Pass
173	Less than 2.0% of mass 174	1816	0.42	(0.43) [a]	Pass
174	50.0 - 120.0% of mass 95	426539	97.9		Pass
175	4.0 - 9.01% of mass 174	32493	7.46	(7.62) [a]	Pass
176	93.0 - 101.0% of mass 174	413696	95.0	(97.0) [a]	Pass
177	5.0 - 9.0% of mass 176	27451	6.30	(6.64) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V5W2132-CC2125	5W55664.D	12/16/24	13:21	00:40	Continuing cal 10
V5W2132-BS	5W55665.D	12/16/24	14:48	02:07	Blank Spike
V5W2132-BSD	5W55666.D	12/16/24	15:29	02:48	Blank Spike Duplicate
V5W2132-MB	5W55670.D	12/16/24	18:38	05:57	Method Blank
V5W2132-SCC	5W55670A.D	12/16/24	18:38	05:57	Summa Cleaning Certification
V5W2132-SCC	5W55671.D	12/16/24	19:23	06:42	Summa Cleaning Certification
V5W2132-SCC	5W55672.D	12/16/24	20:09	07:28	Summa Cleaning Certification
ZZZZZZ	5W55673.D	12/16/24	20:57	08:16	(unrelated sample)
JE2487-4	5W55674.D	12/16/24	21:45	09:04	(used for QC only; not part of job JE2491)
JE2487-4DUP	5W55675.D	12/16/24	22:33	09:52	Duplicate
ZZZZZZ	5W55676.D	12/16/24	23:21	10:40	(unrelated sample)
ZZZZZZ	5W55677.D	12/17/24	00:02	11:21	(unrelated sample)
ZZZZZZ	5W55678.D	12/17/24	00:43	12:02	(unrelated sample)
ZZZZZZ	5W55679.D	12/17/24	01:22	12:41	(unrelated sample)
ZZZZZZ	5W55680.D	12/17/24	02:03	13:22	(unrelated sample)
ZZZZZZ	5W55681.D	12/17/24	02:43	14:02	(unrelated sample)
ZZZZZZ	5W55682.D	12/17/24	03:24	14:43	(unrelated sample)
ZZZZZZ	5W55683.D	12/17/24	04:05	15:24	(unrelated sample)
ZZZZZZ	5W55684.D	12/17/24	04:46	16:05	(unrelated sample)
ZZZZZZ	5W55685.D	12/17/24	05:27	16:46	(unrelated sample)
ZZZZZZ	5W55686.D	12/17/24	06:08	17:27	(unrelated sample)
V5W2132-SCC	5W55688.D	12/17/24	07:34	18:53	Summa Cleaning Certification
ZZZZZZ	5W55689.D	12/17/24	08:21	19:40	(unrelated sample)
ZZZZZZ	5W55690.D	12/17/24	09:07	20:26	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample:	V5W2132-BFB	**Injection Date:**	12/16/24
Lab File ID:	5W55663.D	**Injection Time:**	12:41
Instrument ID:	GCMS5W		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	5W55691.D	12/17/24	09:53	21:12	(unrelated sample)
ZZZZZZ	5W55692.D	12/17/24	10:53	22:12	(unrelated sample)
ZZZZZZ	5W55693.D	12/17/24	11:40	22:59	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample: V5W2133-BFB
Lab File ID: 5W55699.D
Instrument ID: GCMS5W
Injection Date: 12/17/24
Injection Time: 19:52

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	105096	23.2		Pass
75	30.0 - 66.0% of mass 95	264789	58.6		Pass
95	Base peak, 100% relative abundance	452053	100.0		Pass
96	5.0 - 9.0% of mass 95	29944	6.62		Pass
173	Less than 2.0% of mass 174	2112	0.47	(0.43) [a]	Pass
174	50.0 - 120.0% of mass 95	488917	108.2		Pass
175	4.0 - 9.01% of mass 174	38499	8.52	(7.87) [a]	Pass
176	93.0 - 101.0% of mass 174	492928	109.0	(100.8) [a]	Pass
177	5.0 - 9.0% of mass 176	32312	7.15	(6.56) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V5W2133-CC2125	5W55700.D	12/17/24	20:32	00:40	Continuing cal 10
V5W2133-BS	5W55701.D	12/17/24	21:13	01:21	Blank Spike
V5W2133-BSD	5W55703.D	12/17/24	22:35	02:43	Blank Spike Duplicate
V5W2133-MB	5W55706.D	12/18/24	00:51	04:59	Method Blank
V5W2133-SCC	5W55707.D	12/18/24	01:36	05:44	Summa Cleaning Certification
V5W2133-SCC	5W55709.D	12/18/24	03:08	07:16	Summa Cleaning Certification
V5W2133-SCC	5W55712.D	12/18/24	05:29	09:37	Summa Cleaning Certification
V5W2133-SCC	5W55713.D	12/18/24	06:16	10:24	Summa Cleaning Certification
V5W2133-SCC	5W55714.D	12/18/24	07:02	11:10	Summa Cleaning Certification
JE2488-2	5W55716.D	12/18/24	08:40	12:48	(used for QC only; not part of job JE2491)
JE2488-2DUP	5W55717.D	12/18/24	09:29	13:37	Duplicate
ZZZZZZ	5W55721.D	12/18/24	12:42	16:50	(unrelated sample)
JE2491-2	5W55722.D	12/18/24	13:30	17:38	IA-3
ZZZZZZ	5W55724.D	12/18/24	14:59	19:07	(unrelated sample)
ZZZZZZ	5W55725.D	12/18/24	15:40	19:48	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample:	V5W2136-BFB	**Injection Date:**	12/20/24
Lab File ID:	5W55777.D	**Injection Time:**	12:26
Instrument ID:	GCMS5W		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	103472	19.2		Pass
75	30.0 - 66.0% of mass 95	287701	53.3		Pass
95	Base peak, 100% relative abundance	539797	100.0		Pass
96	5.0 - 9.0% of mass 95	34869	6.46		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	639147	118.4		Pass
175	4.0 - 9.01% of mass 174	46992	8.71	(7.35) [a]	Pass
176	93.0 - 101.0% of mass 174	621632	115.2	(97.3) [a]	Pass
177	5.0 - 9.0% of mass 176	40723	7.54	(6.55) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V5W2136-CC2125	5W55778.D	12/20/24	13:06	00:40	Continuing cal 10
V5W2136-BS	5W55779.D	12/20/24	13:55	01:29	Blank Spike
V5W2136-BSD	5W55781.D	12/20/24	15:34	03:08	Blank Spike Duplicate
V5W2136-MB	5W55783.D	12/20/24	17:06	04:40	Method Blank
JE2665-1	5W55784.D	12/20/24	18:21	05:55	(used for QC only; not part of job JE2491)
JE2665-1DUP	5W55785.D	12/20/24	19:03	06:37	Duplicate
ZZZZZZ	5W55786.D	12/20/24	19:55	07:29	(unrelated sample)
ZZZZZZ	5W55788.D	12/20/24	21:22	08:56	(unrelated sample)
ZZZZZZ	5W55789.D	12/20/24	22:14	09:48	(unrelated sample)
ZZZZZZ	5W55790.D	12/20/24	22:55	10:29	(unrelated sample)
ZZZZZZ	5W55791.D	12/20/24	23:46	11:20	(unrelated sample)
ZZZZZZ	5W55792.D	12/21/24	00:26	12:00	(unrelated sample)
ZZZZZZ	5W55793.D	12/21/24	01:09	12:43	(unrelated sample)
ZZZZZZ	5W55794.D	12/21/24	01:49	13:23	(unrelated sample)
JE2491-1	5W55795.D	12/21/24	02:30	14:04	SS-3
JE2491-2	5W55796.D	12/21/24	03:11	14:45	IA-3
JE2491-3	5W55797.D	12/21/24	03:54	15:28	SS-4
ZZZZZZ	5W55799.D	12/21/24	05:21	16:55	(unrelated sample)
ZZZZZZ	5W55800.D	12/21/24	06:08	17:42	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample: V5W2138-BFB
Lab File ID: 5W55818.D
Instrument ID: GCMS5W
Injection Date: 12/23/24
Injection Time: 08:13

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	80464	22.0		Pass
75	30.0 - 66.0% of mass 95	208725	57.0		Pass
95	Base peak, 100% relative abundance	365867	100.0		Pass
96	5.0 - 9.0% of mass 95	24203	6.62		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	437760	119.7		Pass
175	4.0 - 9.01% of mass 174	33048	9.03	(7.55) [a]	Pass
176	93.0 - 101.0% of mass 174	427712	116.9	(97.7) [a]	Pass
177	5.0 - 9.0% of mass 176	29384	8.03	(6.87) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V5W2138-CC2125	5W55819.D	12/23/24	09:11	00:58	Continuing cal 10
V5W2138-BS	5W55820.D	12/23/24	10:07	01:54	Blank Spike
V5W2138-BSD	5W55821.D	12/23/24	11:17	03:04	Blank Spike Duplicate
V5W2138-MB	5W55823.D	12/23/24	12:54	04:41	Method Blank
V5W2138-SCC	5W55824.D	12/23/24	14:29	06:16	Summa Cleaning Certification
JE2315-1	5W55825.D	12/23/24	15:24	07:11	(used for QC only; not part of job JE2491)
JE2315-1DUP	5W55826.D	12/23/24	16:11	07:58	Duplicate
ZZZZZZ	5W55827.D	12/23/24	16:52	08:39	(unrelated sample)
ZZZZZZ	5W55828.D	12/23/24	17:34	09:21	(unrelated sample)
ZZZZZZ	5W55829.D	12/23/24	18:20	10:07	(unrelated sample)
ZZZZZZ	5W55830.D	12/23/24	19:01	10:48	(unrelated sample)
JE2491-2	5W55831.D	12/23/24	19:43	11:30	IA-3
ZZZZZZ	5W55833.D	12/23/24	21:09	12:56	(unrelated sample)
ZZZZZZ	5W55834.D	12/23/24	21:56	13:43	(unrelated sample)
ZZZZZZ	5W55835.D	12/23/24	22:42	14:29	(unrelated sample)
ZZZZZZ	5W55836.D	12/23/24	23:28	15:15	(unrelated sample)
ZZZZZZ	5W55837.D	12/24/24	00:14	16:01	(unrelated sample)
ZZZZZZ	5W55838.D	12/24/24	01:01	16:48	(unrelated sample)
ZZZZZZ	5W55839.D	12/24/24	01:54	17:41	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample:	V7W305-BFB	**Injection Date:**	08/18/24
Lab File ID:	7W07974.D	**Injection Time:**	21:06
Instrument ID:	GCMS7W		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	20443	24.4		Pass
75	30.0 - 66.0% of mass 95	43320	51.7		Pass
95	Base peak, 100% relative abundance	83736	100.0		Pass
96	5.0 - 9.0% of mass 95	5915	7.06		Pass
173	Less than 2.0% of mass 174	627	0.75	(1.02) [a]	Pass
174	50.0 - 120.0% of mass 95	61525	73.5		Pass
175	4.0 - 9.01% of mass 174	4526	5.41	(7.36) [a]	Pass
176	93.0 - 101.0% of mass 174	58768	70.2	(95.5) [a]	Pass
177	5.0 - 9.0% of mass 176	3856	4.60	(6.56) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V7W305-IC305	7W07975.D	08/18/24	21:40	00:34	Initial cal 0.04
V7W305-IC305	7W07976.D	08/18/24	22:13	01:07	Initial cal 0.10
V7W305-IC305	7W07977.D	08/18/24	22:49	01:43	Initial cal 0.20
V7W305-IC305	7W07978.D	08/18/24	23:22	02:16	Initial cal 0.50
V7W305-IC305	7W07979.D	08/19/24	00:01	02:55	Initial cal 5
V7W305-ICC305	7W07980.D	08/19/24	00:35	03:29	Initial cal 10
V7W305-IC305	7W07981.D	08/19/24	01:10	04:04	Initial cal 20
V7W305-IC305	7W07982.D	08/19/24	01:48	04:42	Initial cal 40
V7W305-IC305	7W07983.D	08/19/24	02:28	05:22	Initial cal 50
V7W305-ICV305	7W07990.D	08/19/24	06:28	09:22	Initial cal verification 10
V7W306-BS	7W07991.D	08/19/24	07:07	10:01	Blank Spike
V7W306-BSD	7W07992.D	08/19/24	07:40	10:34	Blank Spike Duplicate
V7W306-MB	7W07996.D	08/19/24	10:30	13:24	Method Blank
ZZZZZZ	7W07997.D	08/19/24	11:04	13:58	(unrelated sample)
ZZZZZZ	7W07998.D	08/19/24	11:39	14:33	(unrelated sample)
ZZZZZZ	7W07999.D	08/19/24	12:15	15:09	(unrelated sample)
JD93469-1	7W08000.D	08/19/24	12:50	15:44	(used for QC only; not part of job JE2491)
JD93469-1DUP	7W08001.D	08/19/24	13:26	16:20	Duplicate
ZZZZZZ	7W08002.D	08/19/24	14:07	17:01	(unrelated sample)
ZZZZZZ	7W08003.D	08/19/24	14:50	17:44	(unrelated sample)
ZZZZZZ	7W08004.D	08/19/24	15:30	18:24	(unrelated sample)
ZZZZZZ	7W08005.D	08/19/24	16:05	18:59	(unrelated sample)
ZZZZZZ	7W08006.D	08/19/24	16:46	19:40	(unrelated sample)
ZZZZZZ	7W08007.D	08/19/24	17:31	20:25	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample:	V7W305-BFB	**Injection Date:**	08/18/24
Lab File ID:	7W07974.D	**Injection Time:**	21:06
Instrument ID:	GCMS7W		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	7W08008.D	08/19/24	18:11	21:05	(unrelated sample)
ZZZZZZ	7W08009.D	08/19/24	18:52	21:46	(unrelated sample)
ZZZZZZ	7W08010.D	08/19/24	20:04	22:58	(unrelated sample)
ZZZZZZ	7W08011.D	08/19/24	20:43	23:37	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample: V7W387-BFB
Lab File ID: 7W10575.D
Instrument ID: GCMS7W
Injection Date: 11/18/24
Injection Time: 08:59

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	12830	18.3		Pass
75	30.0 - 66.0% of mass 95	33101	47.2		Pass
95	Base peak, 100% relative abundance	70203	100.0		Pass
96	5.0 - 9.0% of mass 95	4918	7.01		Pass
173	Less than 2.0% of mass 174	423	0.60	(0.70) [a]	Pass
174	50.0 - 120.0% of mass 95	60187	85.7		Pass
175	4.0 - 9.01% of mass 174	4410	6.28	(7.33) [a]	Pass
176	93.0 - 101.0% of mass 174	57075	81.3	(94.8) [a]	Pass
177	5.0 - 9.0% of mass 176	3652	5.20	(6.40) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V7W387-CC305	7W10576.D	11/18/24	09:35	00:36	Continuing cal 10
V7W387-BS	7W10577.D	11/18/24	10:11	01:12	Blank Spike
V7W387-BSD	7W10578.D	11/18/24	10:46	01:47	Blank Spike Duplicate
V7W387-MB	7W10580.D	11/18/24	12:04	03:05	Method Blank
JD99820-1	7W10582.D	11/18/24	13:59	05:00	(used for QC only; not part of job JE2491)
JD99820-1DUP	7W10583.D	11/18/24	14:40	05:41	Duplicate
ZZZZZZ	7W10584.D	11/18/24	15:21	06:22	(unrelated sample)
ZZZZZZ	7W10586.D	11/18/24	16:44	07:45	(unrelated sample)
ZZZZZZ	7W10587.D	11/18/24	17:25	08:26	(unrelated sample)
ZZZZZZ	7W10588.D	11/18/24	18:07	09:08	(unrelated sample)
ZZZZZZ	7W10590.D	11/18/24	19:30	10:31	(unrelated sample)
ZZZZZZ	7W10591.D	11/18/24	20:11	11:12	(unrelated sample)
ZZZZZZ	7W10592.D	11/18/24	20:52	11:53	(unrelated sample)
ZZZZZZ	7W10593.D	11/18/24	21:28	12:29	(unrelated sample)
ZZZZZZ	7W10594.D	11/18/24	22:04	13:05	(unrelated sample)
ZZZZZZ	7W10595.D	11/18/24	22:41	13:42	(unrelated sample)
ZZZZZZ	7W10597.D	11/18/24	23:53	14:54	(unrelated sample)
ZZZZZZ	7W10598.D	11/19/24	00:29	15:30	(unrelated sample)
ZZZZZZ	7W10599.D	11/19/24	01:06	16:07	(unrelated sample)
ZZZZZZ	7W10601.D	11/19/24	02:18	17:19	(unrelated sample)
ZZZZZZ	7W10602.D	11/19/24	02:55	17:56	(unrelated sample)
V7W387-SCC	7W10603.D	11/19/24	03:31	18:32	Summa Cleaning Certification
V7W387-SCC	7W10604.D	11/19/24	04:07	19:08	Summa Cleaning Certification
V7W387-SCC	7W10605.D	11/19/24	04:48	19:49	Summa Cleaning Certification

Instrument Performance Check (BFB)

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample:	V7W387-BFB	**Injection Date:**	11/18/24
Lab File ID:	7W10575.D	**Injection Time:**	08:59
Instrument ID:	GCMS7W		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V7W387-SCC	7W10606.D	11/19/24	05:29	20:30	Summa Cleaning Certification
V7W387-SCC	7W10607.D	11/19/24	06:10	21:11	Summa Cleaning Certification
ZZZZZZ	7W10608.D	11/19/24	06:51	21:52	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample:	V7W392-BFB	**Injection Date:**	11/25/24
Lab File ID:	7W10742.D	**Injection Time:**	08:36
Instrument ID:	GCMS7W		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	15330	21.5		Pass
75	30.0 - 66.0% of mass 95	35867	50.4		Pass
95	Base peak, 100% relative abundance	71168	100.0		Pass
96	5.0 - 9.0% of mass 95	4636	6.51		Pass
173	Less than 2.0% of mass 174	555	0.78	(1.03) [a]	Pass
174	50.0 - 120.0% of mass 95	53835	75.6		Pass
175	4.0 - 9.01% of mass 174	3970	5.58	(7.37) [a]	Pass
176	93.0 - 101.0% of mass 174	52037	73.1	(96.7) [a]	Pass
177	5.0 - 9.0% of mass 176	3340	4.69	(6.42) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V7W392-CC305	7W10743.D	11/25/24	09:11	00:35	Continuing cal 10
V7W392-BS	7W10744.D	11/25/24	09:50	01:14	Blank Spike
V7W392-BSD	7W10745.D	11/25/24	10:26	01:50	Blank Spike Duplicate
V7W392-MB	7W10747.D	11/25/24	11:46	03:10	Method Blank
ZZZZZZ	7W10748.D	11/25/24	12:29	03:53	(unrelated sample)
ZZZZZZ	7W10749.D	11/25/24	13:04	04:28	(unrelated sample)
ZZZZZZ	7W10750.D	11/25/24	13:39	05:03	(unrelated sample)
ZZZZZZ	7W10751.D	11/25/24	14:14	05:38	(unrelated sample)
ZZZZZZ	7W10752.D	11/25/24	14:56	06:20	(unrelated sample)
JE994-2	7W10754.D	11/25/24	16:07	07:31	(used for QC only; not part of job JE2491)
ZZZZZZ	7W10757.D	11/25/24	17:55	09:19	(unrelated sample)
ZZZZZZ	7W10758.D	11/25/24	18:30	09:54	(unrelated sample)
ZZZZZZ	7W10759.D	11/25/24	19:05	10:29	(unrelated sample)
ZZZZZZ	7W10760.D	11/25/24	19:40	11:04	(unrelated sample)
ZZZZZZ	7W10761.D	11/25/24	20:16	11:40	(unrelated sample)
ZZZZZZ	7W10763.D	11/25/24	21:26	12:50	(unrelated sample)
ZZZZZZ	7W10764.D	11/25/24	22:01	13:25	(unrelated sample)
JE1061-10	7W10765.D	11/25/24	22:38	14:02	(used for QC only; not part of job JE2491)
ZZZZZZ	7W10766.D	11/25/24	23:19	14:43	(unrelated sample)
ZZZZZZ	7W10767.D	11/26/24	00:00	15:24	(unrelated sample)
ZZZZZZ	7W10768.D	11/26/24	00:42	16:06	(unrelated sample)
ZZZZZZ	7W10771.D	11/26/24	02:42	18:06	(unrelated sample)
V7W392-SCC	7W10772.D	11/26/24	03:23	18:47	Summa Cleaning Certification
V7W392-SCC	7W10773.D	11/26/24	04:04	19:28	Summa Cleaning Certification

Instrument Performance Check (BFB)

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample:	V7W392-BFB	**Injection Date:**	11/25/24
Lab File ID:	7W10742.D	**Injection Time:**	08:36
Instrument ID:	GCMS7W		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V7W392-SCC	7W10774.D	11/26/24	04:44	20:08	Summa Cleaning Certification
V7W392-SCC	7W10775.D	11/26/24	05:25	20:49	Summa Cleaning Certification
V7W392-SCC	7W10777.D	11/26/24	06:47	22:11	Summa Cleaning Certification
JE1061-10DUP	7W10779.D	11/26/24	08:24	23:48	Duplicate

Instrument Performance Check (BFB)

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample: V7W394-BFB
Lab File ID: 7W10809.D
Instrument ID: GCMS7W
Injection Date: 11/27/24
Injection Time: 18:19

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	13271	19.4		Pass
75	30.0 - 66.0% of mass 95	31925	46.6		Pass
95	Base peak, 100% relative abundance	68491	100.0		Pass
96	5.0 - 9.0% of mass 95	4421	6.45		Pass
173	Less than 2.0% of mass 174	351	0.51	(0.71) [a]	Pass
174	50.0 - 120.0% of mass 95	49464	72.2		Pass
175	4.0 - 9.01% of mass 174	3552	5.19	(7.18) [a]	Pass
176	93.0 - 101.0% of mass 174	47395	69.2	(95.8) [a]	Pass
177	5.0 - 9.0% of mass 176	3165	4.62	(6.68) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V7W394-CC305	7W10810.D	11/27/24	18:54	00:35	Continuing cal 10
V7W394-BS	7W10811.D	11/27/24	19:39	01:20	Blank Spike
V7W394-BSD	7W10812.D	11/27/24	20:15	01:56	Blank Spike Duplicate
V7W394-MB	7W10814.D	11/27/24	21:31	03:12	Method Blank
V7W394-SCC	7W10816.D	11/27/24	22:42	04:23	Summa Cleaning Certification
V7W394-SCC	7W10817.D	11/27/24	23:18	04:59	Summa Cleaning Certification
V7W394-SCC	7W10818.D	11/27/24	23:53	05:34	Summa Cleaning Certification
V7W394-SCC	7W10819.D	11/28/24	00:29	06:10	Summa Cleaning Certification
V7W394-SCC	7W10820.D	11/28/24	01:04	06:45	Summa Cleaning Certification
V7W394-SCC	7W10822.D	11/28/24	02:14	07:55	Summa Cleaning Certification
V7W394-SCC	7W10823.D	11/28/24	02:50	08:31	Summa Cleaning Certification
V7W394-SCC	7W10824.D	11/28/24	03:26	09:07	Summa Cleaning Certification
V7W394-SCC	7W10825.D	11/28/24	04:02	09:43	Summa Cleaning Certification
V7W394-SCC	7W10826.D	11/28/24	04:38	10:19	Summa Cleaning Certification
V7W394-SCC	7W10828.D	11/28/24	05:49	11:30	Summa Cleaning Certification
V7W394-SCC	7W10831.D	11/28/24	07:35	13:16	Summa Cleaning Certification
V7W394-SCC	7W10833.D	11/28/24	08:46	14:27	Summa Cleaning Certification
V7W394-SCC	7W10836.D	11/28/24	10:34	16:15	Summa Cleaning Certification
V7W394-SCC	7W10837.D	11/28/24	11:09	16:50	Summa Cleaning Certification
V7W394-SCC	7W10838.D	11/28/24	11:45	17:26	Summa Cleaning Certification
V7W394-SCC	7W10839.D	11/28/24	12:20	18:01	Summa Cleaning Certification
V7W394-SCC	7W10840.D	11/28/24	12:55	18:36	Summa Cleaning Certification
V7W394-SCC	7W10841.D	11/28/24	13:31	19:12	Summa Cleaning Certification
V7W394-SCC	7W10842.D	11/28/24	14:08	19:49	Summa Cleaning Certification

Instrument Performance Check (BFB)

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample:	V7W394-BFB	**Injection Date:**	11/27/24
Lab File ID:	7W10809.D	**Injection Time:**	18:19
Instrument ID:	GCMS7W		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V7W394-SCC	7W10843.D	11/28/24	14:44	20:25	Summa Cleaning Certification
V7W394-SCC	7W10844.D	11/28/24	15:19	21:00	Summa Cleaning Certification
V7W394-SCC	7W10845.D	11/28/24	15:55	21:36	Summa Cleaning Certification
V7W394-SCC	7W10846.D	11/28/24	16:32	22:13	Summa Cleaning Certification
V7W394-SCC	7W10847.D	11/28/24	17:07	22:48	Summa Cleaning Certification

Instrument Performance Check (BFB)

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample: V7W405-BFB
Lab File ID: 7W11232.D
Instrument ID: GCMS7W
Injection Date: 12/28/24
Injection Time: 08:40

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	32515	22.0		Pass
75	30.0 - 66.0% of mass 95	74333	50.3		Pass
95	Base peak, 100% relative abundance	147925	100.0		Pass
96	5.0 - 9.0% of mass 95	9647	6.52		Pass
173	Less than 2.0% of mass 174	1064	0.72	(0.95) [a]	Pass
174	50.0 - 120.0% of mass 95	111515	75.4		Pass
175	4.0 - 9.01% of mass 174	7970	5.39	(7.15) [a]	Pass
176	93.0 - 101.0% of mass 174	106229	71.8	(95.3) [a]	Pass
177	5.0 - 9.0% of mass 176	7045	4.76	(6.63) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V7W405-IC405	7W11233.D	12/28/24	09:16	00:36	Initial cal 0.04
V7W405-IC405	7W11234.D	12/28/24	09:53	01:13	Initial cal 0.10
V7W405-IC405	7W11235.D	12/28/24	10:32	01:52	Initial cal 0.20
V7W405-IC405	7W11237.D	12/28/24	11:51	03:11	Initial cal 0.50
V7W405-IC405	7W11238.D	12/28/24	12:34	03:54	Initial cal 5
V7W405-ICC405	7W11240.D	12/28/24	13:47	05:07	Initial cal 10
V7W405-IC405	7W11241.D	12/28/24	14:25	05:45	Initial cal 20
V7W405-IC405	7W11242.D	12/28/24	15:08	06:28	Initial cal 40
V7W405-IC405	7W11243.D	12/28/24	15:52	07:12	Initial cal 50
V7W405-ICV405	7W11247.D	12/28/24	18:36	09:56	Initial cal verification 10

Instrument Performance Check (BFB)

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample:	V7W414-BFB	**Injection Date:**	01/06/25
Lab File ID:	7W11534.D	**Injection Time:**	20:16
Instrument ID:	GCMS7W		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	34869	24.5		Pass
75	30.0 - 66.0% of mass 95	73968	52.1		Pass
95	Base peak, 100% relative abundance	142037	100.0		Pass
96	5.0 - 9.0% of mass 95	9382	6.61		Pass
173	Less than 2.0% of mass 174	971	0.68	(0.90) [a]	Pass
174	50.0 - 120.0% of mass 95	107736	75.9		Pass
175	4.0 - 9.01% of mass 174	7770	5.47	(7.21) [a]	Pass
176	93.0 - 101.0% of mass 174	103845	73.1	(96.4) [a]	Pass
177	5.0 - 9.0% of mass 176	6589	4.64	(6.35) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V7W414-CC405	7W11535.D	01/06/25	20:54	00:38	Continuing cal 10
V7W414-BS	7W11536.D	01/06/25	21:31	01:15	Blank Spike
V7W414-BSD	7W11537.D	01/06/25	22:08	01:52	Blank Spike Duplicate
V7W414-MB	7W11539.D	01/06/25	23:35	03:19	Method Blank
V7W414-SCC	7W11540.D	01/07/25	00:19	04:03	Summa Cleaning Certification
V7W414-SCC	7W11542.D	01/07/25	01:41	05:25	Summa Cleaning Certification
JE2491-4	7W11545.D	01/07/25	03:36	07:20	IA-4
ZZZZZZ	7W11546.D	01/07/25	04:17	08:01	(unrelated sample)
ZZZZZZ	7W11547.D	01/07/25	04:56	08:40	(unrelated sample)
JE2792-5	7W11548.D	01/07/25	05:40	09:24	(used for QC only; not part of job JE2491)
JE2792-5DUP	7W11549.D	01/07/25	06:24	10:08	Duplicate
ZZZZZZ	7W11550.D	01/07/25	07:03	10:47	(unrelated sample)
ZZZZZZ	7W11551.D	01/07/25	07:42	11:26	(unrelated sample)
ZZZZZZ	7W11552.D	01/07/25	08:22	12:06	(unrelated sample)
ZZZZZZ	7W11553.D	01/07/25	09:01	12:45	(unrelated sample)
ZZZZZZ	7W11554.D	01/07/25	09:40	13:24	(unrelated sample)
ZZZZZZ	7W11555.D	01/07/25	10:19	14:03	(unrelated sample)
ZZZZZZ	7W11556.D	01/07/25	10:58	14:42	(unrelated sample)
ZZZZZZ	7W11557.D	01/07/25	11:42	15:26	(unrelated sample)
ZZZZZZ	7W11558.D	01/07/25	12:21	16:05	(unrelated sample)
ZZZZZZ	7W11559.D	01/07/25	13:03	16:47	(unrelated sample)
ZZZZZZ	7W11560.D	01/07/25	13:50	17:34	(unrelated sample)
ZZZZZZ	7W11561.D	01/07/25	14:36	18:20	(unrelated sample)
JE3178-5	7W11562.D	01/07/25	15:14	18:58	(used for QC only; not part of job JE2491)

Instrument Performance Check (BFB)

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample:	V7W414-BFB	**Injection Date:**	01/06/25
Lab File ID:	7W11534.D	**Injection Time:**	20:16
Instrument ID:	GCMS7W		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
JE3178-5DUP	7W11563.D	01/07/25	15:53	19:37	Duplicate
ZZZZZZ	7W11566.D	01/07/25	17:55	21:39	(unrelated sample)
ZZZZZZ	7W11567.D	01/07/25	18:33	22:17	(unrelated sample)
ZZZZZZ	7W11568.D	01/07/25	19:13	22:57	(unrelated sample)
ZZZZZZ	7W11569.D	01/07/25	19:55	23:39	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample:	V7W415-BFB	**Injection Date:**	01/07/25
Lab File ID:	7W11570.D	**Injection Time:**	20:52
Instrument ID:	GCMS7W		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	35117	24.4		Pass
75	30.0 - 66.0% of mass 95	74984	52.1		Pass
95	Base peak, 100% relative abundance	143936	100.0		Pass
96	5.0 - 9.0% of mass 95	9388	6.52		Pass
173	Less than 2.0% of mass 174	832	0.58	(0.76) [a]	Pass
174	50.0 - 120.0% of mass 95	109941	76.4		Pass
175	4.0 - 9.01% of mass 174	7809	5.43	(7.10) [a]	Pass
176	93.0 - 101.0% of mass 174	105816	73.5	(96.2) [a]	Pass
177	5.0 - 9.0% of mass 176	6522	4.53	(6.16) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V7W415-CC405	7W11571.D	01/07/25	21:29	00:37	Continuing cal 10
V7W415-BS	7W11572.D	01/07/25	22:06	01:14	Blank Spike
V7W415-BSD	7W11573.D	01/07/25	22:43	01:51	Blank Spike Duplicate
V7W415-MB	7W11575.D	01/08/25	00:11	03:19	Method Blank
V7W415-SCC	7W11576.D	01/08/25	00:54	04:02	Summa Cleaning Certification
V7W415-SCC	7W11578.D	01/08/25	02:16	05:24	Summa Cleaning Certification
V7W415-SCC	7W11579.D	01/08/25	02:59	06:07	Summa Cleaning Certification
ZZZZZZ	7W11580.D	01/08/25	03:38	06:46	(unrelated sample)
ZZZZZZ	7W11581.D	01/08/25	04:23	07:31	(unrelated sample)
V7W415-SCC	7W11582.D	01/08/25	05:06	08:14	Summa Cleaning Certification
ZZZZZZ	7W11583.D	01/08/25	05:50	08:58	(unrelated sample)
ZZZZZZ	7W11584.D	01/08/25	06:34	09:42	(unrelated sample)
JE3433-3	7W11585.D	01/08/25	07:18	10:26	(used for QC only; not part of job JE2491)
JE3433-3DUP	7W11588.D	01/08/25	15:57	19:05	Duplicate
ZZZZZZ	7W11589.D	01/08/25	16:34	19:42	(unrelated sample)
ZZZZZZ	7W11591.D	01/08/25	18:06	21:14	(unrelated sample)
ZZZZZZ	7W11592.D	01/08/25	18:52	22:00	(unrelated sample)
ZZZZZZ	7W11593.D	01/08/25	19:37	22:45	(unrelated sample)
JE2491-4	7W11594.D	01/08/25	20:22	23:30	IA-4

Internal Standard Area Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Check Std:	V5W2132-CC2125	**Injection Date:**	12/16/24
Lab File ID:	5W55664.D	**Injection Time:**	13:21
Instrument ID:	GCMS5W	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	322460	7.67	1489170	9.83	993103	15.35
Upper Limit [a]	451444	8.00	2084838	10.16	1390344	15.68
Lower Limit [b]	193476	7.34	893502	9.50	595862	15.02

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
V5W2132-BS	341152	7.67	1550754	9.83	1025782	15.34
V5W2132-BSD	328331	7.67	1518453	9.83	1014713	15.35
V5W2132-MB	351933	7.66	1652348	9.83	979891	15.34
V5W2132-SCC	351933	7.66	1652348	9.83	979891	15.34
V5W2132-SCC	364037	7.66	1592616	9.83	1005649	15.34
V5W2132-SCC	358452	7.66	1494109	9.83	1003602	15.34
ZZZZZZ	279715	7.67	1392537	9.83	858944	15.34
JE2487-4	277269	7.67	1350782	9.83	827218	15.35
JE2487-4DUP	279421	7.67	1362931	9.83	788847	15.34
ZZZZZZ	277336	7.67	1355901	9.83	836365	15.34
ZZZZZZ	273073	7.67	1333849	9.83	785500	15.34
ZZZZZZ	276954	7.67	1345536	9.83	774423	15.34
ZZZZZZ	269136	7.67	1303757	9.83	724093	15.34
ZZZZZZ	278388	7.66	1344968	9.83	804996	15.34
ZZZZZZ	285979	7.67	1400047	9.83	839393	15.34
ZZZZZZ	272171	7.66	1346089	9.83	840735	15.34
ZZZZZZ	286499	7.67	1400540	9.83	868483	15.34
ZZZZZZ	282275	7.66	1372616	9.83	854374	15.34
ZZZZZZ	284462	7.66	1375628	9.83	812932	15.34
ZZZZZZ	286564	7.66	1393907	9.83	855919	15.34
V5W2132-SCC	294351	7.66	1399989	9.83	827427	15.34
ZZZZZZ	242805	7.66	1181625	9.83	720130	15.34
ZZZZZZ	244129	7.66	1195765	9.83	755239	15.34
ZZZZZZ	260698	7.66	1263011	9.83	792763	15.34
ZZZZZZ	256044	7.66	1245715	9.83	783760	15.34
ZZZZZZ	243432	7.66	1190802	9.83	753521	15.34

IS 1 = Bromochloromethane
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5

(a) Upper Limit = + 40% of check standard area; Retention time + 0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.

Internal Standard Area Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Check Std:	V5W2133-CC2125	**Injection Date:**	12/17/24
Lab File ID:	5W55700.D	**Injection Time:**	20:32
Instrument ID:	GCMS5W	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	283490	7.67	1320983	9.83	829640	15.35
Upper Limit [a]	396886	8.00	1849376	10.16	1161496	15.68
Lower Limit [b]	170094	7.34	792590	9.50	497784	15.02

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
V5W2133-BS	313892	7.67	1454050	9.83	902926	15.35
V5W2133-BSD	319491	7.66	1462454	9.83	906713	15.34
V5W2133-MB	295908	7.66	1754729	9.83	953484	15.34
V5W2133-SCC	267595	7.66	1285097	9.83	733872	15.34
V5W2133-SCC	208981	7.66	1029779	9.83	606483	15.34
V5W2133-SCC	190751	7.66	939930	9.83	559452	15.34
V5W2133-SCC	188591	7.66	933317	9.83	548791	15.34
V5W2133-SCC	197470	7.66	973511	9.83	568347	15.34
JE2488-2	155758[c]	7.66	802815	9.83	500617	15.34
JE2488-2DUP	156769[d]	7.66	796945	9.83	502343	15.34
ZZZZZZ	201833	7.68	1009609	9.83	643332	15.34
JE2491-2	233544	7.70	1103107	9.85	630888	15.35
ZZZZZZ	245099	7.66	1200195	9.83	651740	15.34
ZZZZZZ	201759	7.66	999601	9.83	548542	15.34

IS 1 = Bromochloromethane
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5

(a) Upper Limit = + 40% of check standard area; Retention time + 0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.
(c) Outside of in house control limits.
(d) Outside in house control limits.

Internal Standard Area Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Check Std:	V5W2136-CC2125	**Injection Date:**	12/20/24
Lab File ID:	5W55778.D	**Injection Time:**	13:06
Instrument ID:	GCMS5W	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	318888	7.67	1469982	9.83	896125	15.34
Upper Limit [a]	446443	8.00	2057975	10.16	1254575	15.67
Lower Limit [b]	191333	7.34	881989	9.50	537675	15.01

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
V5W2136-BS	349857	7.66	1633756	9.83	962940	15.34
V5W2136-BSD	369460	7.66	1679765	9.83	969387	15.34
V5W2136-MB	420264	7.66	1982756	9.82	1052285	15.34
JE2665-1	347680	7.66	1679178	9.82	908149	15.34
JE2665-1DUP	276928	7.66	1339103	9.83	728500	15.34
ZZZZZZ	255725	7.66	1259383	9.82	729011	15.34
ZZZZZZ	223902	7.66	1101737	9.83	600369	15.34
ZZZZZZ	246511	7.66	1204091	9.83	692043	15.34
ZZZZZZ	218794	7.66	1076421	9.83	562673	15.34
ZZZZZZ	241587	7.68	1193445	9.83	722409	15.34
ZZZZZZ	263063	7.66	1287566	9.83	720552	15.34
ZZZZZZ	230773	7.66	1129671	9.83	553501	15.34
ZZZZZZ	245552	7.67	1188779	9.83	677814	15.34
JE2491-1	216763	7.66	1073025	9.83	603430	15.34
JE2491-2	214306	7.67	1052666	9.83	558080	15.34
JE2491-3	219702	7.66	1077760	9.83	597639	15.34
ZZZZZZ	228599	7.66	1121534	9.83	646592	15.34
ZZZZZZ	226170	7.66	1109122	9.83	641061	15.34

IS 1 = Bromochloromethane
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5

(a) Upper Limit = + 40% of check standard area; Retention time + 0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.

Internal Standard Area Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Check Std:	V5W2138-CC2125	**Injection Date:**	12/23/24
Lab File ID:	5W55819.D	**Injection Time:**	09:11
Instrument ID:	GCMS5W	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	263070	7.67	1217301	9.83	738303	15.34
Upper Limit [a]	368298	8.00	1704221	10.16	1033624	15.67
Lower Limit [b]	157842	7.34	730381	9.50	442982	15.01

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
V5W2138-BS	261510	7.66	1220164	9.83	739045	15.34
V5W2138-BSD	260595	7.66	1218483	9.83	736456	15.34
V5W2138-MB	311710	7.66	1493158	9.82	781178	15.33
V5W2138-SCC	321306	7.66	1506173	9.82	782137	15.33
JE2315-1	245399	7.66	1205702	9.83	682878	15.33
JE2315-1DUP	217553	7.66	1077292	9.83	621263	15.33
ZZZZZZ	208762	7.66	1039636	9.82	572065	15.34
ZZZZZZ	201543	7.67	1000655	9.83	551430	15.34
ZZZZZZ	211041	7.66	1036893	9.83	471557	15.34
ZZZZZZ	215745	7.66	1039188	9.83	542678	15.34
JE2491-2	244806	7.66	1174993	9.83	645042	15.34
ZZZZZZ	186533	7.66	914542	9.83	530709	15.33
ZZZZZZ	190196	7.67	938311	9.83	539199	15.34
ZZZZZZ	194798	7.67	962979	9.83	555481	15.34
ZZZZZZ	182844	7.66	924573	9.83	542563	15.34
ZZZZZZ	195003	7.67	985329	9.83	573135	15.34
ZZZZZZ	203928	7.66	1010745	9.83	575284	15.34
ZZZZZZ	207550	7.66	1034387	9.83	595518	15.34

IS 1 = Bromochloromethane
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5

(a) Upper Limit = + 40% of check standard area; Retention time + 0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.

Internal Standard Area Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Check Std:	V7W387-CC305	**Injection Date:**	11/18/24
Lab File ID:	7W10576.D	**Injection Time:**	09:35
Instrument ID:	GCMS7W	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	60785	3.28	318407	4.55	291110	10.12
Upper Limit [a]	85099	3.61	445770	4.88	407554	10.45
Lower Limit [b]	36471	2.95	191044	4.22	174666	9.79

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
V7W387-BS	59927	3.27	307732	4.55	281115	10.12
V7W387-BSD	59448	3.28	304227	4.55	275746	10.12
V7W387-MB	64026	3.28	327182	4.55	306459	10.12
JD99820-1	56665	3.28	288174	4.56	265558	10.12
JD99820-1DUP	55698	3.28	286506	4.56	262400	10.12
ZZZZZZ	57230	3.28	293974	4.56	269278	10.12
ZZZZZZ	57892	3.28	293943	4.56	268382	10.13
ZZZZZZ	55173	3.28	281652	4.56	256840	10.12
ZZZZZZ	56414	3.28	290642	4.56	266690	10.12
ZZZZZZ	55175	3.28	282753	4.56	261195	10.12
ZZZZZZ	56321	3.28	288236	4.56	267074	10.12
ZZZZZZ	55592	3.28	280028	4.56	258953	10.12
ZZZZZZ	59195	3.28	306746	4.56	279352	10.13
ZZZZZZ	54414	3.28	279296	4.56	256561	10.12
ZZZZZZ	53395	3.28	262918	4.56	253725	10.12
ZZZZZZ	58851	3.28	302770	4.56	278405	10.12
ZZZZZZ	60842	3.28	310928	4.56	285512	10.12
ZZZZZZ	60530	3.28	314864	4.56	285718	10.13
ZZZZZZ	57253	3.28	296182	4.56	271095	10.12
ZZZZZZ	55936	3.28	289486	4.55	263402	10.12
V7W387-SCC	58656	3.28	295685	4.56	265930	10.12
V7W387-SCC	60454	3.27	305996	4.55	275902	10.12
V7W387-SCC	61555	3.28	303415	4.55	282366	10.12
V7W387-SCC	63209	3.28	314760	4.55	280011	10.12
V7W387-SCC	65323	3.28	322265	4.55	287974	10.12
ZZZZZZ	56492	3.28	288918	4.56	272258	10.12

IS 1 = Bromochloromethane
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5

(a) Upper Limit = + 40% of check standard area; Retention time + 0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.

Internal Standard Area Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Check Std:	V7W392-CC305	**Injection Date:**	11/25/24
Lab File ID:	7W10743.D	**Injection Time:**	09:11
Instrument ID:	GCMS7W	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	72713	3.27	383789	4.55	314273	10.12
Upper Limit [a]	101798	3.60	537305	4.88	439982	10.45
Lower Limit [b]	43628	2.94	230273	4.22	188564	9.79

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
V7W392-BS	72768	3.27	382948	4.55	316986	10.12
V7W392-BSD	73571	3.27	390728	4.55	328697	10.12
V7W392-MB	77496	3.27	407451	4.55	332375	10.12
ZZZZZZ	70134	3.29	377860	4.57	313611	10.13
ZZZZZZ	66825	3.29	363077	4.57	303014	10.13
ZZZZZZ	61291	3.29	333551	4.57	281900	10.12
ZZZZZZ	59927	3.29	321484	4.56	275765	10.13
ZZZZZZ	60563	3.28	323816	4.56	275730	10.13
JE994-2	61272	3.32	354889	4.59	300529	10.13
ZZZZZZ	56502	3.27	334521	4.60	295346	10.14
ZZZZZZ	59682	3.29	335723	4.57	286843	10.13
ZZZZZZ	52994	3.28	289969	4.56	248230	10.13
ZZZZZZ	54075	3.28	285122	4.56	238672	10.12
ZZZZZZ	49318	3.28	271433	4.56	230382	10.12
ZZZZZZ	50588	3.28	269595	4.56	222162	10.12
ZZZZZZ	48508	3.28	263253	4.56	230371	10.12
JE1061-10	47637	3.28	253998	4.55	215224	10.12
ZZZZZZ	52252	3.28	279608	4.55	230161	10.12
ZZZZZZ	50070	3.28	267272	4.55	202380	10.12
ZZZZZZ	52376	3.29	269271	4.57	232208	10.13
ZZZZZZ	47233	3.30	316292	4.58	248242	10.14
V7W392-SCC	60827	3.27	320474	4.55	270203	10.12
V7W392-SCC	62704	3.28	329972	4.56	276956	10.12
V7W392-SCC	63803	3.28	333810	4.55	275663	10.12
V7W392-SCC	61251	3.28	323759	4.56	273041	10.12
V7W392-SCC	55670	3.28	294531	4.55	228023	10.12
JE1061-10DUP	45516	3.28	236865	4.56	223436	10.12

IS 1 = Bromochloromethane
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5

(a) Upper Limit = + 40% of check standard area; Retention time + 0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.

Internal Standard Area Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Check Std:	V7W394-CC305	**Injection Date:**	11/27/24
Lab File ID:	7W10810.D	**Injection Time:**	18:54
Instrument ID:	GCMS7W	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	66164	3.27	360115	4.55	308758	10.12
Upper Limit [a]	92630	3.60	504161	4.88	432261	10.45
Lower Limit [b]	39698	2.94	216069	4.22	185255	9.79

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
V7W394-BS	55762	3.28	306387	4.55	265550	10.12
V7W394-BSD	60346	3.28	312395	4.55	269051	10.12
V7W394-MB	63513	3.27	345001	4.55	281984	10.12
V7W394-SCC	68976	3.28	372905	4.55	306928	10.12
V7W394-SCC	67060	3.27	367833	4.55	309672	10.12
V7W394-SCC	57325	3.28	312428	4.56	265369	10.12
V7W394-SCC	66332	3.28	359459	4.55	254743	10.12
V7W394-SCC	53741	3.28	299291	4.55	256349	10.12
V7W394-SCC	53692	3.28	298452	4.55	252053	10.12
V7W394-SCC	59488	3.28	285386	4.55	239829	10.12
V7W394-SCC	65706	3.28	354633	4.56	302119	10.12
V7W394-SCC	67671	3.28	367870	4.56	313645	10.12
V7W394-SCC	65783	3.28	352427	4.56	299919	10.12
V7W394-SCC	62549	3.28	343231	4.55	292711	10.12
V7W394-SCC	62374	3.28	337223	4.56	288734	10.12
V7W394-SCC	62496	3.28	338523	4.56	289816	10.12
V7W394-SCC	63515	3.28	344443	4.56	293023	10.13
V7W394-SCC	64628	3.28	345353	4.56	294448	10.12
V7W394-SCC	63858	3.28	343236	4.56	291946	10.12
V7W394-SCC	64390	3.28	342336	4.56	292421	10.12
V7W394-SCC	63176	3.28	342131	4.56	292938	10.12
V7W394-SCC	65836	3.28	352077	4.56	301103	10.12
V7W394-SCC	64725	3.28	347286	4.56	300089	10.12
V7W394-SCC	65007	3.28	347582	4.56	296016	10.12
V7W394-SCC	64287	3.28	341613	4.56	294435	10.12
V7W394-SCC	63406	3.28	341363	4.56	292027	10.12
V7W394-SCC	61895	3.28	330950	4.56	286011	10.12
V7W394-SCC	64153	3.28	345802	4.56	298164	10.12

IS 1 = Bromochloromethane
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5

(a) Upper Limit = + 40% of check standard area; Retention time + 0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.

Internal Standard Area Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Check Std:	V7W414-CC405	**Injection Date:**	01/06/25
Lab File ID:	7W11535.D	**Injection Time:**	20:54
Instrument ID:	GCMS7W	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	130369	3.23	632907	4.50	611856	10.03
Upper Limit [a]	182517	3.56	886070	4.83	856598	10.36
Lower Limit [b]	78221	2.90	379744	4.17	367114	9.70

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
V7W414-BS	132197	3.23	641005	4.50	614319	10.03
V7W414-BSD	136207	3.23	661175	4.50	631831	10.03
V7W414-MB	136836	3.23	669533	4.49	630911	10.03
V7W414-SCC	138581	3.24	675072	4.51	633613	10.04
V7W414-SCC	138593	3.24	676087	4.51	633574	10.04
JE2491-4	129627	3.23	634201	4.49	600502	10.03
ZZZZZZ	129163	3.24	632533	4.51	603756	10.04
ZZZZZZ	131489	3.24	643382	4.51	606346	10.04
JE2792-5	130268	3.24	634999	4.51	605066	10.04
JE2792-5DUP	128913	3.24	624851	4.51	594741	10.04
ZZZZZZ	127932	3.24	625380	4.51	596139	10.04
ZZZZZZ	129454	3.24	633109	4.51	596903	10.04
ZZZZZZ	132234	3.24	644781	4.51	606242	10.04
ZZZZZZ	126933	3.24	623969	4.51	595146	10.04
ZZZZZZ	127645	3.24	623921	4.51	596743	10.04
ZZZZZZ	131462	3.24	648371	4.51	605655	10.04
ZZZZZZ	129249	3.24	628523	4.51	592171	10.04
ZZZZZZ	131749	3.24	635129	4.51	597021	10.04
ZZZZZZ	130571	3.24	632981	4.51	596939	10.04
ZZZZZZ	129309	3.24	629111	4.51	596874	10.04
ZZZZZZ	127804	3.24	621337	4.51	590977	10.04
ZZZZZZ	128405	3.24	613265	4.50	588255	10.04
JE3178-5	129845	3.23	623642	4.49	587389	10.03
JE3178-5DUP	130354	3.23	627968	4.49	594977	10.03
ZZZZZZ	122522	3.24	609507	4.51	572985	10.04
ZZZZZZ	126760	3.24	615301	4.51	578627	10.04
ZZZZZZ	131910	3.24	635953	4.51	602230	10.04
ZZZZZZ	127787	3.24	610182	4.51	587326	10.04

IS 1 = Bromochloromethane
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5

(a) Upper Limit = + 40% of check standard area; Retention time + 0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.

Internal Standard Area Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Check Std:	V7W415-CC405	**Injection Date:**	01/07/25
Lab File ID:	7W11571.D	**Injection Time:**	21:29
Instrument ID:	GCMS7W	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	130206	3.23	632316	4.49	600992	10.03
Upper Limit [a]	182288	3.56	885242	4.82	841389	10.36
Lower Limit [b]	78124	2.90	379390	4.16	360595	9.70

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
V7W415-BS	131961	3.23	637583	4.50	610713	10.03
V7W415-BSD	132457	3.23	646743	4.49	617945	10.03
V7W415-MB	136449	3.23	666104	4.49	629238	10.03
V7W415-SCC [c]	136969	3.23	666529	4.49	623265	10.03
V7W415-SCC [d]	129851	3.23	627011	4.49	590430	10.03
V7W415-SCC	131634	3.23	635177	4.49	596110	10.03
ZZZZZZ	128265	3.24	624578	4.51	591337	10.04
ZZZZZZ	125814	3.24	608607	4.51	584840	10.04
V7W415-SCC [d]	128167	3.23	622745	4.49	585547	10.03
ZZZZZZ	129226	3.23	628829	4.49	596664	10.03
ZZZZZZ	129708	3.23	636328	4.49	601308	10.03
JE3433-3	134717	3.23	655294	4.49	617365	10.03
JE3433-3DUP	111063	3.23	543160	4.49	515473	10.03
ZZZZZZ	116044	3.24	567410	4.51	544472	10.04
ZZZZZZ	116292	3.23	565443	4.49	544983	10.03
ZZZZZZ	116990	3.23	569875	4.50	548431	10.03
ZZZZZZ	116610	3.23	567374	4.49	545131	10.03
JE2491-4	117130	3.23	572033	4.50	544669	10.03

IS 1 = Bromochloromethane
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5

(a) Upper Limit = + 40% of check standard area; Retention time + 0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.
(c) rr bad injection
(d) rr c/o

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	Reporting this level
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
1,3-Butadiene	4.04	7.66	0.527	ok	0.526	0.466-0.586
Benzene	9.40	9.83	0.956	ok	0.956	0.896-1.016
Bromobenzene	17.92	15.35	1.167	ok	1.167	1.107-1.227
Bromodichloromethane	10.61	9.83	1.079	ok	1.079	1.019-1.139
Bromoethene	4.63	7.66	0.604	ok	0.602	0.542-0.662
n-Butylbenzene	20.86	15.35	1.359	ok	1.359	1.299-1.419
sec-Butylbenzene	20.03	15.35	1.305	ok	1.304	1.244-1.364
Carbon disulfide	5.85	7.66	0.764	ok	0.763	0.703-0.823
Chlorobenzene	15.41	15.35	1.004	ok	1.004	0.944-1.064
Chlorodifluoromethane	3.58	7.66	0.467	ok	0.467	0.407-0.527
Chloroethane	4.37	7.66	0.570	ok	0.568	0.508-0.628
Chlorotrifluoroethene	3.61	7.66	0.471	ok	0.471	0.411-0.531
Chloroform	7.81	7.66	1.020	ok	1.018	0.958-1.078
Chloromethane	3.78	7.66	0.493	ok	0.492	0.432-0.552
3-Chloropropene	5.69	7.66	0.743	ok	0.743	0.683-0.803
2-Chlorotoluene	18.56	15.35	1.209	ok	1.209	1.149-1.269
Carbon tetrachloride	9.57	7.66	1.249	ok	1.248	1.188-1.308
Cyclohexane	9.69	9.83	0.986	ok	0.986	0.926-1.046
1,1-Dichloroethane	6.65	7.66	0.868	ok	0.867	0.807-0.927
1,1-Dichloroethylene	5.49	7.66	0.717	ok	0.715	0.655-0.775
1,2-Dibromoethane (EDB)	13.85	15.35	0.902	ok	0.901	0.841-0.961
1,2-Dichloroethane	8.61	7.66	1.124	ok	1.123	1.063-1.183
1,2-Dichloropropane	10.37	9.83	1.055	ok	1.054	0.994-1.114
1,3-Dichloropropane	13.03	9.83	1.326	ok	1.323	1.263-1.383
Dichlorodifluoromethane	3.66	7.66	0.478	ok	0.477	0.417-0.537
Dichlorofluoromethane	4.42	7.66	0.577	ok	0.576	0.516-0.636
Dibromochloromethane	13.52	15.35	0.881	ok	0.880	0.820-0.940
Dibromomethane	10.35	9.83	1.053	ok	1.052	0.992-1.112
trans-1,2-Dichloroethylene	6.45	7.66	0.842	ok	0.842	0.782-0.902
cis-1,2-Dichloroethylene	7.49	7.66	0.978	ok	0.978	0.918-1.038
cis-1,3-Dichloropropene	11.76	9.83	1.196	ok	1.194	1.134-1.254
m-Dichlorobenzene	19.83	15.35	1.292	ok	1.291	1.231-1.351
o-Dichlorobenzene	20.42	15.35	1.330	ok	1.330	1.270-1.390
p-Dichlorobenzene	19.94	15.35	1.299	ok	1.298	1.238-1.358
trans-1,3-Dichloropropene	12.44	9.83	1.266	ok	1.263	1.203-1.323
2,3-Dimethylpentane	10.00	9.83	1.017	ok	1.017	0.957-1.077
2,4-Dimethylpentane	8.67	7.66	1.132	ok	1.130	1.070-1.190
Ethylbenzene	15.97	15.35	1.040	ok	1.040	0.980-1.100
4-Ethyltoluene	18.89	15.35	1.231	ok	1.230	1.170-1.290

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	Reporting this level
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Freon 113	5.82	7.66	0.760	ok	0.759	0.699-0.819
Freon 114	3.84	7.66	0.501	ok	0.501	0.441-0.561
Freon 115	3.47	7.66	0.453	ok	0.452	0.392-0.512
Freon 123	4.74	7.66	0.619	ok	0.617	0.557-0.677
Freon 123A	4.78	7.66	0.624	ok	0.623	0.563-0.683
Freon 142B	3.76	7.66	0.491	ok	0.489	0.429-0.549
Freon 152A	3.55	7.66	0.463	ok	0.463	0.403-0.523
Heptane	11.04	9.83	1.123	ok	1.122	1.062-1.182
Hexachlorobutadiene	23.37	15.35	1.522	ok	1.522	1.462-1.582
Hexachloroethane	21.32	15.35	1.389	ok	1.389	1.329-1.449
Hexane	7.71	7.66	1.007	ok	1.005	0.945-1.065
Iodomethane	5.42	7.66	0.708	ok	0.707	0.647-0.767
Isopropylbenzene	17.82	15.35	1.161	ok	1.161	1.101-1.221
p-Isopropyltoluene	20.27	15.35	1.321	ok	1.320	1.260-1.380
Methylene chloride	5.60	7.66	0.731	ok	0.730	0.670-0.790
Methyl Tert Butyl Ether	6.81	7.66	0.889	ok	0.879	0.819-0.939
Nonane	17.31	15.35	1.128	ok	1.128	1.068-1.188
Octane	14.33	15.35	0.934	ok	0.934	0.874-0.994
Pentane	5.23	7.66	0.683	ok	0.682	0.622-0.742
n-Propylbenzene	18.64	15.35	1.214	ok	1.214	1.154-1.274
Propylene	3.60	7.66	0.470	ok	0.469	0.409-0.529
Styrene	16.78	15.35	1.093	ok	1.092	1.032-1.152
1,1,1-Trichloroethane	8.87	7.66	1.158	ok	1.157	1.097-1.217
1,1,1,2-Tetrachloroethane	15.39	15.35	1.003	ok	1.003	0.943-1.063
1,1,2,2-Tetrachloroethane	16.93	15.35	1.103	ok	1.102	1.042-1.162
1,1,2-Trichloroethane	12.63	9.83	1.285	ok	1.283	1.223-1.343
1,2,3-Trichloropropane	17.11	15.35	1.115	ok	1.114	1.054-1.174
1,2,3-Trimethylbenzene	20.24	15.35	1.319	ok	1.318	1.258-1.378
1,2,4-Trimethylbenzene	19.64	15.35	1.279	ok	1.279	1.219-1.339
1,3,5-Trimethylbenzene	19.02	15.35	1.239	ok	1.239	1.179-1.299
2,2,4-Trimethylpentane	10.69	9.83	1.087	ok	1.087	1.027-1.147
Tertiary Butyl Alcohol	5.66	7.66	0.739	ok	0.729	0.669-0.789
Tetrachloroethylene	14.47	15.35	0.943	ok	0.943	0.883-1.003
Toluene	12.98	9.83	1.320	ok	1.319	1.259-1.379
Trichloroethylene	10.65	9.83	1.083	ok	1.083	1.023-1.143
Trichlorofluoromethane	4.95	7.66	0.646	ok	0.645	0.585-0.705
Vinyl chloride	3.93	7.66	0.513	ok	0.512	0.452-0.572
m,p-Xylene	16.23	15.35	1.057	ok	1.058	0.998-1.118
o-Xylene	16.91	15.35	1.102	ok	1.101	1.041-1.161

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	Reporting this level
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
TVHC As Equiv Pentane	5.23	15.35	0.341	ok	0.341	0.281-0.401

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.66	ok	7.67	7.34-8.00	339655	ok	339251	203551-474951
1,4-Difluorobenzene	9.83	ok	9.83	9.50-10.16	1562017	ok	1491175	894705-2087645
Chlorobenzene-D5	15.35	ok	15.35	15.02-15.68	815644	ok	882807	529684-1235930

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	Reporting this level
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acrolein	4.74	7.67	0.618	ok	0.615	0.555-0.675
Acetonitrile	4.65	7.67	0.606	ok	0.603	0.543-0.663
1,3-Butadiene	4.04	7.67	0.527	ok	0.526	0.466-0.586
Benzene	9.40	9.83	0.956	ok	0.956	0.896-1.016
Bromobenzene	17.92	15.35	1.167	ok	1.167	1.107-1.227
Bromodichloromethane	10.61	9.83	1.079	ok	1.079	1.019-1.139
Bromomethane	4.23	7.67	0.551	ok	0.551	0.491-0.611
Bromoethene	4.62	7.67	0.602	ok	0.602	0.542-0.662
n-Butane	4.07	7.67	0.531	ok	0.530	0.470-0.590
n-Butylbenzene	20.85	15.35	1.358	ok	1.359	1.299-1.419
sec-Butylbenzene	20.02	15.35	1.304	ok	1.304	1.244-1.364
tert-Butylbenzene	19.62	15.35	1.278	ok	1.278	1.218-1.338
Carbon disulfide	5.86	7.67	0.764	ok	0.763	0.703-0.823
Chlorobenzene	15.41	15.35	1.004	ok	1.004	0.944-1.064
Chlorodifluoromethane	3.59	7.67	0.468	ok	0.467	0.407-0.527
Chloroethane	4.37	7.67	0.570	ok	0.568	0.508-0.628
Chlorotrifluoroethene	3.61	7.67	0.471	ok	0.471	0.411-0.531
Chloroform	7.81	7.67	1.018	ok	1.018	0.958-1.078
Chloromethane	3.78	7.67	0.493	ok	0.492	0.432-0.552
3-Chloropropene	5.71	7.67	0.744	ok	0.743	0.683-0.803
2-Chlorotoluene	18.55	15.35	1.208	ok	1.209	1.149-1.269
Carbon tetrachloride	9.57	7.67	1.248	ok	1.248	1.188-1.308
Cyclohexane	9.71	9.83	0.988	ok	0.986	0.926-1.046
1,1-Dichloroethane	6.65	7.67	0.867	ok	0.867	0.807-0.927
1,1-Dichloroethylene	5.48	7.67	0.714	ok	0.715	0.655-0.775
1,2-Dibromoethane (EDB)	13.84	15.35	0.902	ok	0.901	0.841-0.961
1,2-Dichloroethane	8.61	7.67	1.123	ok	1.123	1.063-1.183
1,2-Dichloropropane	10.37	9.83	1.055	ok	1.054	0.994-1.114
1,3-Dichloropropane	13.02	9.83	1.325	ok	1.323	1.263-1.383
1,4-Dioxane	10.80	9.83	1.099	ok	1.089	1.029-1.149
Dichlorodifluoromethane	3.66	7.67	0.477	ok	0.477	0.417-0.537
Dichlorofluoromethane	4.43	7.67	0.578	ok	0.576	0.516-0.636
Dibromochloromethane	13.52	15.35	0.881	ok	0.880	0.820-0.940
Dibromomethane	10.34	9.83	1.052	ok	1.052	0.992-1.112
trans-1,2-Dichloroethylene	6.46	7.67	0.842	ok	0.842	0.782-0.902
cis-1,2-Dichloroethylene	7.50	7.67	0.978	ok	0.978	0.918-1.038
cis-1,3-Dichloropropene	11.74	9.83	1.194	ok	1.194	1.134-1.254
m-Dichlorobenzene	19.82	15.35	1.291	ok	1.291	1.231-1.351
o-Dichlorobenzene	20.41	15.35	1.330	ok	1.330	1.270-1.390

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	Reporting this level
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
p-Dichlorobenzene	19.93	15.35	1.298	ok	1.298	1.238-1.358
trans-1,3-Dichloropropene	12.43	9.83	1.264	ok	1.263	1.203-1.323
Di-Isopropyl ether	7.78	7.67	1.014	ok	1.008	0.948-1.068
2,3-Dimethylpentane	10.00	9.83	1.017	ok	1.017	0.957-1.077
2,4-Dimethylpentane	8.67	7.67	1.130	ok	1.130	1.070-1.190
Ethylbenzene	15.96	15.35	1.040	ok	1.040	0.980-1.100
Ethyl Acetate	7.83	7.67	1.021	ok	1.013	0.953-1.073
Ethyl Acrylate	10.50	9.83	1.068	ok	1.062	1.002-1.122
4-Ethyltoluene	18.88	15.35	1.230	ok	1.230	1.170-1.290
Freon 113	5.83	7.67	0.760	ok	0.759	0.699-0.819
Freon 114	3.85	7.67	0.502	ok	0.501	0.441-0.561
Freon 115	3.47	7.67	0.452	ok	0.452	0.392-0.512
Freon 123	4.74	7.67	0.618	ok	0.617	0.557-0.677
Freon 123A	4.79	7.67	0.625	ok	0.623	0.563-0.683
Freon 142B	3.76	7.67	0.490	ok	0.489	0.429-0.549
Freon 152A	3.55	7.67	0.463	ok	0.463	0.403-0.523
Heptane	11.03	9.83	1.122	ok	1.122	1.062-1.182
Hexachlorobutadiene	23.36	15.35	1.522	ok	1.522	1.462-1.582
Hexachloroethane	21.32	15.35	1.389	ok	1.389	1.329-1.449
Hexane	7.71	7.67	1.005	ok	1.005	0.945-1.065
2-Hexanone	13.45	15.35	0.876	ok	0.872	0.812-0.932
Iodomethane	5.42	7.67	0.707	ok	0.707	0.647-0.767
Isopropylbenzene	17.82	15.35	1.161	ok	1.161	1.101-1.221
Isopropyl Alcohol	5.09	7.67	0.664	ok	0.659	0.599-0.719
p-Isopropyltoluene	20.27	15.35	1.321	ok	1.320	1.260-1.380
Methylene chloride	5.60	7.67	0.730	ok	0.730	0.670-0.790
Methyl ethyl ketone	7.16	7.67	0.934	ok	0.924	0.864-0.984
Methyl Isobutyl Ketone	11.89	9.83	1.210	ok	1.202	1.142-1.262
Methyl Tert Butyl Ether	6.79	7.67	0.885	ok	0.879	0.819-0.939
Methylmethacrylate	10.99	9.83	1.118	ok	1.114	1.054-1.174
Nonane	17.31	15.35	1.128	ok	1.128	1.068-1.188
Octane	14.33	15.35	0.934	ok	0.934	0.874-0.994
Pentane	5.24	7.67	0.683	ok	0.682	0.622-0.742
n-Propylbenzene	18.64	15.35	1.214	ok	1.214	1.154-1.274
Propylene	3.61	7.67	0.471	ok	0.469	0.409-0.529
Styrene	16.77	15.35	1.093	ok	1.092	1.032-1.152
1,1,1-Trichloroethane	8.87	7.67	1.156	ok	1.157	1.097-1.217
1,1,1,2-Tetrachloroethane	15.39	15.35	1.003	ok	1.003	0.943-1.063
1,1,2,2-Tetrachloroethane	16.91	15.35	1.102	ok	1.102	1.042-1.162

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	Reporting this level
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
1,1,2-Trichloroethane	12.62	9.83	1.284	ok	1.283	1.223-1.343
1,2,3-Trichloropropane	17.11	15.35	1.115	ok	1.114	1.054-1.174
1,2,3-Trimethylbenzene	20.24	15.35	1.319	ok	1.318	1.258-1.378
1,2,4-Trimethylbenzene	19.64	15.35	1.279	ok	1.279	1.219-1.339
1,3,5-Trimethylbenzene	19.02	15.35	1.239	ok	1.239	1.179-1.299
2,2,4-Trimethylpentane	10.68	9.83	1.086	ok	1.087	1.027-1.147
Tertiary Butyl Alcohol	5.65	7.67	0.737	ok	0.729	0.669-0.789
Tetrachloroethylene	14.47	15.35	0.943	ok	0.943	0.883-1.003
Tetrahydrofuran	8.37	7.67	1.091	ok	1.079	1.019-1.139
Toluene	12.97	9.83	1.319	ok	1.319	1.259-1.379
Trichloroethylene	10.65	9.83	1.083	ok	1.083	1.023-1.143
Trichlorofluoromethane	4.95	7.67	0.645	ok	0.645	0.585-0.705
Vinyl chloride	3.93	7.67	0.512	ok	0.512	0.452-0.572
m,p-Xylene	16.23	15.35	1.057	ok	1.058	0.998-1.118
o-Xylene	16.91	15.35	1.102	ok	1.101	1.041-1.161
TVHC As Equiv Pentane	5.23	15.35	0.341	ok	0.341	0.281-0.401

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.67	ok	7.67	7.34-8.00	333430	ok	339251	203551-474951
1,4-Difluorobenzene	9.83	ok	9.83	9.50-10.16	1533309	ok	1491175	894705-2087645
Chlorobenzene-D5	15.35	ok	15.35	15.02-15.68	804190	ok	882807	529684-1235930

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	Reporting this level
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	4.86	7.66	0.634	ok	0.630	0.570-0.690
Acrolein	4.73	7.66	0.617	ok	0.615	0.555-0.675
Acrylonitrile	5.22	7.66	0.681	ok	0.679	0.619-0.739
Acetonitrile	4.64	7.66	0.606	ok	0.603	0.543-0.663
1,3-Butadiene	4.03	7.66	0.526	ok	0.526	0.466-0.586
Benzene	9.39	9.83	0.955	ok	0.956	0.896-1.016
Bromobenzene	17.91	15.35	1.167	ok	1.167	1.107-1.227
Bromodichloromethane	10.61	9.83	1.079	ok	1.079	1.019-1.139
Bromoform	16.29	15.35	1.061	ok	1.062	1.002-1.122
Bromomethane	4.23	7.66	0.552	ok	0.551	0.491-0.611
Bromoethene	4.62	7.66	0.603	ok	0.602	0.542-0.662
n-Butane	4.07	7.66	0.531	ok	0.530	0.470-0.590
Benzyl Chloride	19.82	15.35	1.291	ok	1.291	1.231-1.351
n-Butylbenzene	20.86	15.35	1.359	ok	1.359	1.299-1.419
sec-Butylbenzene	20.01	15.35	1.304	ok	1.304	1.244-1.364
tert-Butylbenzene	19.61	15.35	1.278	ok	1.278	1.218-1.338
Carbon disulfide	5.85	7.66	0.764	ok	0.763	0.703-0.823
Chlorobenzene	15.41	15.35	1.004	ok	1.004	0.944-1.064
Chlorodifluoromethane	3.58	7.66	0.467	ok	0.467	0.407-0.527
Chloroethane	4.36	7.66	0.569	ok	0.568	0.508-0.628
Chlorotrifluoroethene	3.61	7.66	0.471	ok	0.471	0.411-0.531
Chloroform	7.80	7.66	1.018	ok	1.018	0.958-1.078
Chloromethane	3.77	7.66	0.492	ok	0.492	0.432-0.552
3-Chloropropene	5.70	7.66	0.744	ok	0.743	0.683-0.803
2-Chlorotoluene	18.55	15.35	1.208	ok	1.209	1.149-1.269
Carbon tetrachloride	9.57	7.66	1.249	ok	1.248	1.188-1.308
Cyclohexane	9.70	9.83	0.987	ok	0.986	0.926-1.046
1,1-Dichloroethane	6.65	7.66	0.868	ok	0.867	0.807-0.927
1,1-Dichloroethylene	5.48	7.66	0.715	ok	0.715	0.655-0.775
1,2-Dibromoethane (EDB)	13.84	15.35	0.902	ok	0.901	0.841-0.961
1,2-Dichloroethane	8.61	7.66	1.124	ok	1.123	1.063-1.183
1,2-Dichloropropane	10.37	9.83	1.055	ok	1.054	0.994-1.114
1,3-Dichloropropane	13.02	9.83	1.325	ok	1.323	1.263-1.383
1,4-Dioxane	10.78	9.83	1.097	ok	1.089	1.029-1.149
Dichlorodifluoromethane	3.66	7.66	0.478	ok	0.477	0.417-0.537
Dichlorofluoromethane	4.42	7.66	0.577	ok	0.576	0.516-0.636
Dibromochloromethane	13.51	15.35	0.880	ok	0.880	0.820-0.940
Dibromomethane	10.34	9.83	1.052	ok	1.052	0.992-1.112
trans-1,2-Dichloroethylene	6.46	7.66	0.843	ok	0.842	0.782-0.902

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	Reporting this level
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	7.50	7.66	0.979	ok	0.978	0.918-1.038
cis-1,3-Dichloropropene	11.74	9.83	1.194	ok	1.194	1.134-1.254
m-Dichlorobenzene	19.82	15.35	1.291	ok	1.291	1.231-1.351
o-Dichlorobenzene	20.41	15.35	1.330	ok	1.330	1.270-1.390
p-Dichlorobenzene	19.93	15.35	1.298	ok	1.298	1.238-1.358
trans-1,3-Dichloropropene	12.43	9.83	1.264	ok	1.263	1.203-1.323
Di-Isopropyl ether	7.77	7.66	1.014	ok	1.008	0.948-1.068
2,3-Dimethylpentane	10.00	9.83	1.017	ok	1.017	0.957-1.077
2,4-Dimethylpentane	8.67	7.66	1.132	ok	1.130	1.070-1.190
Ethylbenzene	15.96	15.35	1.040	ok	1.040	0.980-1.100
Ethyl Acetate	7.81	7.66	1.020	ok	1.013	0.953-1.073
Ethyl Acrylate	10.48	9.83	1.066	ok	1.062	1.002-1.122
4-Ethyltoluene	18.88	15.35	1.230	ok	1.230	1.170-1.290
Freon 113	5.82	7.66	0.760	ok	0.759	0.699-0.819
Freon 114	3.85	7.66	0.503	ok	0.501	0.441-0.561
Freon 115	3.46	7.66	0.452	ok	0.452	0.392-0.512
Freon 123	4.74	7.66	0.619	ok	0.617	0.557-0.677
Freon 123A	4.78	7.66	0.624	ok	0.623	0.563-0.683
Freon 142B	3.75	7.66	0.490	ok	0.489	0.429-0.549
Freon 152A	3.55	7.66	0.463	ok	0.463	0.403-0.523
Heptane	11.03	9.83	1.122	ok	1.122	1.062-1.182
Hexachlorobutadiene	23.36	15.35	1.522	ok	1.522	1.462-1.582
Hexachloroethane	21.32	15.35	1.389	ok	1.389	1.329-1.449
Hexane	7.71	7.66	1.007	ok	1.005	0.945-1.065
2-Hexanone	13.43	15.35	0.875	ok	0.872	0.812-0.932
Iodomethane	5.42	7.66	0.708	ok	0.707	0.647-0.767
Isopropylbenzene	17.82	15.35	1.161	ok	1.161	1.101-1.221
Isopropyl Alcohol	5.09	7.66	0.664	ok	0.659	0.599-0.719
p-Isopropyltoluene	20.27	15.35	1.321	ok	1.320	1.260-1.380
Methylene chloride	5.60	7.66	0.731	ok	0.730	0.670-0.790
Methyl ethyl ketone	7.14	7.66	0.932	ok	0.924	0.864-0.984
Methyl Isobutyl Ketone	11.87	9.83	1.208	ok	1.202	1.142-1.262
Methyl Tert Butyl Ether	6.78	7.66	0.885	ok	0.879	0.819-0.939
Methylmethacrylate	10.98	9.83	1.117	ok	1.114	1.054-1.174
Naphthalene	22.89	15.35	1.491	ok	1.491	1.431-1.551
Nonane	17.31	15.35	1.128	ok	1.128	1.068-1.188
Octane	14.33	15.35	0.934	ok	0.934	0.874-0.994
Pentane	5.23	7.66	0.683	ok	0.682	0.622-0.742
n-Propylbenzene	18.64	15.35	1.214	ok	1.214	1.154-1.274

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	Reporting this level
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Propylene	3.60	7.66	0.470	ok	0.469	0.409-0.529
Styrene	16.76	15.35	1.092	ok	1.092	1.032-1.152
1,1,1-Trichloroethane	8.87	7.66	1.158	ok	1.157	1.097-1.217
1,1,1,2-Tetrachloroethane	15.40	15.35	1.003	ok	1.003	0.943-1.063
1,1,2,2-Tetrachloroethane	16.91	15.35	1.102	ok	1.102	1.042-1.162
1,1,2-Trichloroethane	12.62	9.83	1.284	ok	1.283	1.223-1.343
1,2,4-Trichlorobenzene	23.22	15.35	1.513	ok	1.513	1.453-1.573
1,2,3-Trichloropropane	17.10	15.35	1.114	ok	1.114	1.054-1.174
1,2,3-Trimethylbenzene	20.23	15.35	1.318	ok	1.318	1.258-1.378
1,2,4-Trimethylbenzene	19.63	15.35	1.279	ok	1.279	1.219-1.339
1,3,5-Trimethylbenzene	19.02	15.35	1.239	ok	1.239	1.179-1.299
2,2,4-Trimethylpentane	10.68	9.83	1.086	ok	1.087	1.027-1.147
Tertiary Butyl Alcohol	5.64	7.66	0.736	ok	0.729	0.669-0.789
Tetrachloroethylene	14.47	15.35	0.943	ok	0.943	0.883-1.003
Tetrahydrofuran	8.34	7.66	1.089	ok	1.079	1.019-1.139
Toluene	12.97	9.83	1.319	ok	1.319	1.259-1.379
Trichloroethylene	10.65	9.83	1.083	ok	1.083	1.023-1.143
Trichlorofluoromethane	4.94	7.66	0.645	ok	0.645	0.585-0.705
Vinyl chloride	3.93	7.66	0.513	ok	0.512	0.452-0.572
Vinyl Acetate	6.84	7.66	0.893	ok	0.889	0.829-0.949
m,p-Xylene	16.24	15.35	1.058	ok	1.058	0.998-1.118
o-Xylene	16.91	15.35	1.102	ok	1.101	1.041-1.161
TVHC As Equiv Pentane	5.23	15.35	0.341	ok	0.341	0.281-0.401

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.66	ok	7.67	7.34-8.00	334972	ok	339251	203551-474951
1,4-Difluorobenzene	9.83	ok	9.83	9.50-10.16	1532765	ok	1491175	894705-2087645
Chlorobenzene-D5	15.35	ok	15.35	15.02-15.68	812540	ok	882807	529684-1235930

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	Reporting this level
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	4.85	7.66	0.633	ok	0.630	0.570-0.690
Acrolein	4.73	7.66	0.617	ok	0.615	0.555-0.675
Acrylonitrile	5.22	7.66	0.681	ok	0.679	0.619-0.739
Acetonitrile	4.63	7.66	0.604	ok	0.603	0.543-0.663
1,3-Butadiene	4.03	7.66	0.526	ok	0.526	0.466-0.586
Benzene	9.40	9.83	0.956	ok	0.956	0.896-1.016
Bromobenzene	17.91	15.35	1.167	ok	1.167	1.107-1.227
Bromodichloromethane	10.61	9.83	1.079	ok	1.079	1.019-1.139
Bromoform	16.29	15.35	1.061	ok	1.062	1.002-1.122
Bromomethane	4.23	7.66	0.552	ok	0.551	0.491-0.611
Bromoethene	4.62	7.66	0.603	ok	0.602	0.542-0.662
n-Butane	4.07	7.66	0.531	ok	0.530	0.470-0.590
Benzyl Chloride	19.81	15.35	1.291	ok	1.291	1.231-1.351
n-Butylbenzene	20.85	15.35	1.358	ok	1.359	1.299-1.419
sec-Butylbenzene	20.01	15.35	1.304	ok	1.304	1.244-1.364
tert-Butylbenzene	19.61	15.35	1.278	ok	1.278	1.218-1.338
Carbon disulfide	5.85	7.66	0.764	ok	0.763	0.703-0.823
Chlorobenzene	15.41	15.35	1.004	ok	1.004	0.944-1.064
Chlorodifluoromethane	3.58	7.66	0.467	ok	0.467	0.407-0.527
Chloroethane	4.36	7.66	0.569	ok	0.568	0.508-0.628
Chlorotrifluoroethene	3.61	7.66	0.471	ok	0.471	0.411-0.531
Chloroform	7.80	7.66	1.018	ok	1.018	0.958-1.078
Chloromethane	3.77	7.66	0.492	ok	0.492	0.432-0.552
3-Chloropropene	5.69	7.66	0.743	ok	0.743	0.683-0.803
2-Chlorotoluene	18.55	15.35	1.208	ok	1.209	1.149-1.269
Carbon tetrachloride	9.57	7.66	1.249	ok	1.248	1.188-1.308
Cyclohexane	9.70	9.83	0.987	ok	0.986	0.926-1.046
1,1-Dichloroethane	6.65	7.66	0.868	ok	0.867	0.807-0.927
1,1-Dichloroethylene	5.48	7.66	0.715	ok	0.715	0.655-0.775
1,2-Dibromoethane (EDB)	13.83	15.35	0.901	ok	0.901	0.841-0.961
1,2-Dichloroethane	8.61	7.66	1.124	ok	1.123	1.063-1.183
1,2-Dichloropropane	10.36	9.83	1.054	ok	1.054	0.994-1.114
1,3-Dichloropropane	13.02	9.83	1.325	ok	1.323	1.263-1.383
1,4-Dioxane	10.75	9.83	1.094	ok	1.089	1.029-1.149
Dichlorodifluoromethane	3.66	7.66	0.478	ok	0.477	0.417-0.537
Dichlorofluoromethane	4.42	7.66	0.577	ok	0.576	0.516-0.636
Dibromochloromethane	13.51	15.35	0.880	ok	0.880	0.820-0.940
Dibromomethane	10.34	9.83	1.052	ok	1.052	0.992-1.112
trans-1,2-Dichloroethylene	6.46	7.66	0.843	ok	0.842	0.782-0.902

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	Reporting this level
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	7.50	7.66	0.979	ok	0.978	0.918-1.038
cis-1,3-Dichloropropene	11.74	9.83	1.194	ok	1.194	1.134-1.254
m-Dichlorobenzene	19.82	15.35	1.291	ok	1.291	1.231-1.351
o-Dichlorobenzene	20.41	15.35	1.330	ok	1.330	1.270-1.390
p-Dichlorobenzene	19.92	15.35	1.298	ok	1.298	1.238-1.358
trans-1,3-Dichloropropene	12.42	9.83	1.263	ok	1.263	1.203-1.323
Di-Isopropyl ether	7.75	7.66	1.012	ok	1.008	0.948-1.068
2,3-Dimethylpentane	10.00	9.83	1.017	ok	1.017	0.957-1.077
2,4-Dimethylpentane	8.67	7.66	1.132	ok	1.130	1.070-1.190
Ethanol	4.48	7.66	0.585	ok	0.582	0.522-0.642
Ethylbenzene	15.96	15.35	1.040	ok	1.040	0.980-1.100
Ethyl Acetate	7.79	7.66	1.017	ok	1.013	0.953-1.073
Ethyl Acrylate	10.46	9.83	1.064	ok	1.062	1.002-1.122
4-Ethyltoluene	18.88	15.35	1.230	ok	1.230	1.170-1.290
Freon 113	5.82	7.66	0.760	ok	0.759	0.699-0.819
Freon 114	3.84	7.66	0.501	ok	0.501	0.441-0.561
Freon 115	3.47	7.66	0.453	ok	0.452	0.392-0.512
Freon 123	4.73	7.66	0.617	ok	0.617	0.557-0.677
Freon 123A	4.78	7.66	0.624	ok	0.623	0.563-0.683
Freon 142B	3.75	7.66	0.490	ok	0.489	0.429-0.549
Freon 152A	3.55	7.66	0.463	ok	0.463	0.403-0.523
Heptane	11.03	9.83	1.122	ok	1.122	1.062-1.182
Hexachlorobutadiene	23.36	15.35	1.522	ok	1.522	1.462-1.582
Hexachloroethane	21.32	15.35	1.389	ok	1.389	1.329-1.449
Hexane	7.71	7.66	1.007	ok	1.005	0.945-1.065
2-Hexanone	13.41	15.35	0.874	ok	0.872	0.812-0.932
Iodomethane	5.42	7.66	0.708	ok	0.707	0.647-0.767
Isopropylbenzene	17.81	15.35	1.160	ok	1.161	1.101-1.221
Isopropyl Alcohol	5.08	7.66	0.663	ok	0.659	0.599-0.719
p-Isopropyltoluene	20.27	15.35	1.321	ok	1.320	1.260-1.380
Methylene chloride	5.59	7.66	0.730	ok	0.730	0.670-0.790
Methyl ethyl ketone	7.11	7.66	0.928	ok	0.924	0.864-0.984
Methyl Isobutyl Ketone	11.85	9.83	1.205	ok	1.202	1.142-1.262
Methyl Tert Butyl Ether	6.76	7.66	0.883	ok	0.879	0.819-0.939
Methylmethacrylate	10.97	9.83	1.116	ok	1.114	1.054-1.174
Naphthalene	22.89	15.35	1.491	ok	1.491	1.431-1.551
Nonane	17.31	15.35	1.128	ok	1.128	1.068-1.188
Octane	14.33	15.35	0.934	ok	0.934	0.874-0.994
Pentane	5.23	7.66	0.683	ok	0.682	0.622-0.742

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	Reporting this level
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
n-Propylbenzene	18.64	15.35	1.214	ok	1.214	1.154-1.274
Propylene	3.60	7.66	0.470	ok	0.469	0.409-0.529
Styrene	16.75	15.35	1.091	ok	1.092	1.032-1.152
1,1,1-Trichloroethane	8.87	7.66	1.158	ok	1.157	1.097-1.217
1,1,1,2-Tetrachloroethane	15.39	15.35	1.003	ok	1.003	0.943-1.063
1,1,2,2-Tetrachloroethane	16.91	15.35	1.102	ok	1.102	1.042-1.162
1,1,2-Trichloroethane	12.62	9.83	1.284	ok	1.283	1.223-1.343
1,2,4-Trichlorobenzene	23.22	15.35	1.513	ok	1.513	1.453-1.573
1,2,3-Trichloropropane	17.10	15.35	1.114	ok	1.114	1.054-1.174
1,2,3-Trimethylbenzene	20.23	15.35	1.318	ok	1.318	1.258-1.378
1,2,4-Trimethylbenzene	19.63	15.35	1.279	ok	1.279	1.219-1.339
1,3,5-Trimethylbenzene	19.01	15.35	1.238	ok	1.239	1.179-1.299
2,2,4-Trimethylpentane	10.69	9.83	1.087	ok	1.087	1.027-1.147
Tertiary Butyl Alcohol	5.62	7.66	0.734	ok	0.729	0.669-0.789
Tetrachloroethylene	14.47	15.35	0.943	ok	0.943	0.883-1.003
Tetrahydrofuran	8.31	7.66	1.085	ok	1.079	1.019-1.139
Toluene	12.97	9.83	1.319	ok	1.319	1.259-1.379
Trichloroethylene	10.65	9.83	1.083	ok	1.083	1.023-1.143
Trichlorofluoromethane	4.94	7.66	0.645	ok	0.645	0.585-0.705
Vinyl chloride	3.93	7.66	0.513	ok	0.512	0.452-0.572
Vinyl Acetate	6.83	7.66	0.892	ok	0.889	0.829-0.949
m,p-Xylene	16.23	15.35	1.057	ok	1.058	0.998-1.118
o-Xylene	16.90	15.35	1.101	ok	1.101	1.041-1.161
TVHC As Equiv Pentane	5.23	15.35	0.341	ok	0.341	0.281-0.401

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.66	ok	7.67	7.34-8.00	330769	ok	339251	203551-474951
1,4-Difluorobenzene	9.83	ok	9.83	9.50-10.16	1512302	ok	1491175	894705-2087645
Chlorobenzene-D5	15.35	ok	15.35	15.02-15.68	803446	ok	882807	529684-1235930

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	Reporting this level
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	4.83	7.67	0.630	ok	0.630	0.570-0.690
Acrolein	4.71	7.67	0.614	ok	0.615	0.555-0.675
Acrylonitrile	5.20	7.67	0.678	ok	0.679	0.619-0.739
Acetonitrile	4.62	7.67	0.602	ok	0.603	0.543-0.663
1,3-Butadiene	4.03	7.67	0.525	ok	0.526	0.466-0.586
Benzene	9.40	9.83	0.956	ok	0.956	0.896-1.016
Bromobenzene	17.90	15.35	1.166	ok	1.167	1.107-1.227
Bromodichloromethane	10.61	9.83	1.079	ok	1.079	1.019-1.139
Bromoform	16.29	15.35	1.061	ok	1.062	1.002-1.122
Bromomethane	4.23	7.67	0.551	ok	0.551	0.491-0.611
Bromoethene	4.62	7.67	0.602	ok	0.602	0.542-0.662
n-Butane	4.07	7.67	0.531	ok	0.530	0.470-0.590
Benzyl Chloride	19.81	15.35	1.291	ok	1.291	1.231-1.351
n-Butylbenzene	20.85	15.35	1.358	ok	1.359	1.299-1.419
sec-Butylbenzene	20.01	15.35	1.304	ok	1.304	1.244-1.364
tert-Butylbenzene	19.61	15.35	1.278	ok	1.278	1.218-1.338
Carbon disulfide	5.85	7.67	0.763	ok	0.763	0.703-0.823
Chlorobenzene	15.41	15.35	1.004	ok	1.004	0.944-1.064
Chlorodifluoromethane	3.58	7.67	0.467	ok	0.467	0.407-0.527
Chloroethane	4.35	7.67	0.567	ok	0.568	0.508-0.628
Chlorotrifluoroethene	3.61	7.67	0.471	ok	0.471	0.411-0.531
Chloroform	7.81	7.67	1.018	ok	1.018	0.958-1.078
Chloromethane	3.77	7.67	0.492	ok	0.492	0.432-0.552
3-Chloropropene	5.69	7.67	0.742	ok	0.743	0.683-0.803
2-Chlorotoluene	18.55	15.35	1.208	ok	1.209	1.149-1.269
Carbon tetrachloride	9.57	7.67	1.248	ok	1.248	1.188-1.308
Cyclohexane	9.70	9.83	0.987	ok	0.986	0.926-1.046
1,1-Dichloroethane	6.65	7.67	0.867	ok	0.867	0.807-0.927
1,1-Dichloroethylene	5.48	7.67	0.714	ok	0.715	0.655-0.775
1,2-Dibromoethane (EDB)	13.82	15.35	0.900	ok	0.901	0.841-0.961
1,2-Dichloroethane	8.61	7.67	1.123	ok	1.123	1.063-1.183
1,2-Dichloropropane	10.36	9.83	1.054	ok	1.054	0.994-1.114
1,3-Dichloropropane	13.00	9.83	1.322	ok	1.323	1.263-1.383
1,4-Dioxane	10.69	9.83	1.087	ok	1.089	1.029-1.149
Dichlorodifluoromethane	3.65	7.67	0.476	ok	0.477	0.417-0.537
Dichlorofluoromethane	4.42	7.67	0.576	ok	0.576	0.516-0.636
Dibromochloromethane	13.51	15.35	0.880	ok	0.880	0.820-0.940
Dibromomethane	10.34	9.83	1.052	ok	1.052	0.992-1.112
trans-1,2-Dichloroethylene	6.45	7.67	0.841	ok	0.842	0.782-0.902

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	Reporting this level
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	7.50	7.67	0.978	ok	0.978	0.918-1.038
cis-1,3-Dichloropropene	11.73	9.83	1.193	ok	1.194	1.134-1.254
m-Dichlorobenzene	19.82	15.35	1.291	ok	1.291	1.231-1.351
o-Dichlorobenzene	20.41	15.35	1.330	ok	1.330	1.270-1.390
p-Dichlorobenzene	19.92	15.35	1.298	ok	1.298	1.238-1.358
trans-1,3-Dichloropropene	12.41	9.83	1.262	ok	1.263	1.203-1.323
Di-Isopropyl ether	7.72	7.67	1.007	ok	1.008	0.948-1.068
2,3-Dimethylpentane	10.00	9.83	1.017	ok	1.017	0.957-1.077
2,4-Dimethylpentane	8.66	7.67	1.129	ok	1.130	1.070-1.190
Ethanol	4.46	7.67	0.581	ok	0.582	0.522-0.642
Ethylbenzene	15.96	15.35	1.040	ok	1.040	0.980-1.100
Ethyl Acetate	7.76	7.67	1.012	ok	1.013	0.953-1.073
Ethyl Acrylate	10.42	9.83	1.060	ok	1.062	1.002-1.122
4-Ethyltoluene	18.88	15.35	1.230	ok	1.230	1.170-1.290
Freon 113	5.82	7.67	0.759	ok	0.759	0.699-0.819
Freon 114	3.84	7.67	0.501	ok	0.501	0.441-0.561
Freon 115	3.46	7.67	0.451	ok	0.452	0.392-0.512
Freon 123	4.73	7.67	0.617	ok	0.617	0.557-0.677
Freon 123A	4.78	7.67	0.623	ok	0.623	0.563-0.683
Freon 142B	3.75	7.67	0.489	ok	0.489	0.429-0.549
Freon 152A	3.55	7.67	0.463	ok	0.463	0.403-0.523
Heptane	11.03	9.83	1.122	ok	1.122	1.062-1.182
Hexachlorobutadiene	23.37	15.35	1.522	ok	1.522	1.462-1.582
Hexachloroethane	21.32	15.35	1.389	ok	1.389	1.329-1.449
Hexane	7.71	7.67	1.005	ok	1.005	0.945-1.065
2-Hexanone	13.37	15.35	0.871	ok	0.872	0.812-0.932
Iodomethane	5.42	7.67	0.707	ok	0.707	0.647-0.767
Isopropylbenzene	17.81	15.35	1.160	ok	1.161	1.101-1.221
Isopropyl Alcohol	5.04	7.67	0.657	ok	0.659	0.599-0.719
p-Isopropyltoluene	20.26	15.35	1.320	ok	1.320	1.260-1.380
Methylene chloride	5.59	7.67	0.729	ok	0.730	0.670-0.790
Methyl ethyl ketone	7.06	7.67	0.920	ok	0.924	0.864-0.984
Methyl Isobutyl Ketone	11.80	9.83	1.200	ok	1.202	1.142-1.262
Methyl Tert Butyl Ether	6.71	7.67	0.875	ok	0.879	0.819-0.939
Methylmethacrylate	10.94	9.83	1.113	ok	1.114	1.054-1.174
Naphthalene	22.88	15.35	1.491	ok	1.491	1.431-1.551
Nonane	17.31	15.35	1.128	ok	1.128	1.068-1.188
Octane	14.33	15.35	0.934	ok	0.934	0.874-0.994
Pentane	5.23	7.67	0.682	ok	0.682	0.622-0.742

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	Reporting this level
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
n-Propylbenzene	18.64	15.35	1.214	ok	1.214	1.154-1.274
Propylene	3.60	7.67	0.469	ok	0.469	0.409-0.529
Styrene	16.75	15.35	1.091	ok	1.092	1.032-1.152
1,1,1-Trichloroethane	8.87	7.67	1.156	ok	1.157	1.097-1.217
1,1,1,2-Tetrachloroethane	15.39	15.35	1.003	ok	1.003	0.943-1.063
1,1,2,2-Tetrachloroethane	16.91	15.35	1.102	ok	1.102	1.042-1.162
1,1,2-Trichloroethane	12.61	9.83	1.283	ok	1.283	1.223-1.343
1,2,4-Trichlorobenzene	23.22	15.35	1.513	ok	1.513	1.453-1.573
1,2,3-Trichloropropane	17.10	15.35	1.114	ok	1.114	1.054-1.174
1,2,3-Trimethylbenzene	20.23	15.35	1.318	ok	1.318	1.258-1.378
1,2,4-Trimethylbenzene	19.62	15.35	1.278	ok	1.279	1.219-1.339
1,3,5-Trimethylbenzene	19.01	15.35	1.238	ok	1.239	1.179-1.299
2,2,4-Trimethylpentane	10.69	9.83	1.087	ok	1.087	1.027-1.147
Tertiary Butyl Alcohol	5.56	7.67	0.725	ok	0.729	0.669-0.789
Tetrachloroethylene	14.47	15.35	0.943	ok	0.943	0.883-1.003
Tetrahydrofuran	8.26	7.67	1.077	ok	1.079	1.019-1.139
Toluene	12.96	9.83	1.318	ok	1.319	1.259-1.379
Trichloroethylene	10.65	9.83	1.083	ok	1.083	1.023-1.143
Trichlorofluoromethane	4.94	7.67	0.644	ok	0.645	0.585-0.705
Vinyl chloride	3.93	7.67	0.512	ok	0.512	0.452-0.572
Vinyl Acetate	6.81	7.67	0.888	ok	0.889	0.829-0.949
m,p-Xylene	16.23	15.35	1.057	ok	1.058	0.998-1.118
o-Xylene	16.90	15.35	1.101	ok	1.101	1.041-1.161
TVHC As Equiv Pentane	5.23	15.35	0.341	ok	0.341	0.281-0.401

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.67	ok	7.67	7.34-8.00	327920	ok	339251	203551-474951
1,4-Difluorobenzene	9.83	ok	9.83	9.50-10.16	1483978	ok	1491175	894705-2087645
Chlorobenzene-D5	15.35	ok	15.35	15.02-15.68	823417	ok	882807	529684-1235930

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	Reporting this level
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	4.82	7.67	0.628	ok	0.630	0.570-0.690
Acrolein	4.71	7.67	0.614	ok	0.615	0.555-0.675
Acrylonitrile	5.20	7.67	0.678	ok	0.679	0.619-0.739
Acetonitrile	4.62	7.67	0.602	ok	0.603	0.543-0.663
1,3-Butadiene	4.03	7.67	0.525	ok	0.526	0.466-0.586
Benzene	9.40	9.83	0.956	ok	0.956	0.896-1.016
Bromobenzene	17.91	15.35	1.167	ok	1.167	1.107-1.227
Bromodichloromethane	10.61	9.83	1.079	ok	1.079	1.019-1.139
Bromoform	16.29	15.35	1.061	ok	1.062	1.002-1.122
Bromomethane	4.23	7.67	0.551	ok	0.551	0.491-0.611
Bromoethene	4.62	7.67	0.602	ok	0.602	0.542-0.662
n-Butane	4.07	7.67	0.531	ok	0.530	0.470-0.590
Benzyl Chloride	19.81	15.35	1.291	ok	1.291	1.231-1.351
n-Butylbenzene	20.85	15.35	1.358	ok	1.359	1.299-1.419
sec-Butylbenzene	20.01	15.35	1.304	ok	1.304	1.244-1.364
tert-Butylbenzene	19.61	15.35	1.278	ok	1.278	1.218-1.338
Carbon disulfide	5.85	7.67	0.763	ok	0.763	0.703-0.823
Chlorobenzene	15.41	15.35	1.004	ok	1.004	0.944-1.064
Chlorodifluoromethane	3.58	7.67	0.467	ok	0.467	0.407-0.527
Chloroethane	4.35	7.67	0.567	ok	0.568	0.508-0.628
Chlorotrifluoroethene	3.61	7.67	0.471	ok	0.471	0.411-0.531
Chloroform	7.81	7.67	1.018	ok	1.018	0.958-1.078
Chloromethane	3.77	7.67	0.492	ok	0.492	0.432-0.552
3-Chloropropene	5.69	7.67	0.742	ok	0.743	0.683-0.803
2-Chlorotoluene	18.55	15.35	1.208	ok	1.209	1.149-1.269
Carbon tetrachloride	9.57	7.67	1.248	ok	1.248	1.188-1.308
Cyclohexane	9.70	9.83	0.987	ok	0.986	0.926-1.046
1,1-Dichloroethane	6.65	7.67	0.867	ok	0.867	0.807-0.927
1,1-Dichloroethylene	5.49	7.67	0.716	ok	0.715	0.655-0.775
1,2-Dibromoethane (EDB)	13.82	15.35	0.900	ok	0.901	0.841-0.961
1,2-Dichloroethane	8.61	7.67	1.123	ok	1.123	1.063-1.183
1,2-Dichloropropane	10.36	9.83	1.054	ok	1.054	0.994-1.114
1,3-Dichloropropane	13.01	9.83	1.323	ok	1.323	1.263-1.383
1,4-Dioxane	10.67	9.83	1.085	ok	1.089	1.029-1.149
Dichlorodifluoromethane	3.66	7.67	0.477	ok	0.477	0.417-0.537
Dichlorofluoromethane	4.42	7.67	0.576	ok	0.576	0.516-0.636
Dibromochloromethane	13.51	15.35	0.880	ok	0.880	0.820-0.940
Dibromomethane	10.34	9.83	1.052	ok	1.052	0.992-1.112
trans-1,2-Dichloroethylene	6.45	7.67	0.841	ok	0.842	0.782-0.902

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	Reporting this level
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	7.50	7.67	0.978	ok	0.978	0.918-1.038
cis-1,3-Dichloropropene	11.73	9.83	1.193	ok	1.194	1.134-1.254
m-Dichlorobenzene	19.82	15.35	1.291	ok	1.291	1.231-1.351
o-Dichlorobenzene	20.41	15.35	1.330	ok	1.330	1.270-1.390
p-Dichlorobenzene	19.92	15.35	1.298	ok	1.298	1.238-1.358
trans-1,3-Dichloropropene	12.41	9.83	1.262	ok	1.263	1.203-1.323
Di-Isopropyl ether	7.72	7.67	1.007	ok	1.008	0.948-1.068
2,3-Dimethylpentane	10.00	9.83	1.017	ok	1.017	0.957-1.077
2,4-Dimethylpentane	8.67	7.67	1.130	ok	1.130	1.070-1.190
Ethanol	4.46	7.67	0.581	ok	0.582	0.522-0.642
Ethylbenzene	15.96	15.35	1.040	ok	1.040	0.980-1.100
Ethyl Acetate	7.75	7.67	1.010	ok	1.013	0.953-1.073
Ethyl Acrylate	10.42	9.83	1.060	ok	1.062	1.002-1.122
4-Ethyltoluene	18.88	15.35	1.230	ok	1.230	1.170-1.290
Freon 113	5.82	7.67	0.759	ok	0.759	0.699-0.819
Freon 114	3.84	7.67	0.501	ok	0.501	0.441-0.561
Freon 115	3.47	7.67	0.452	ok	0.452	0.392-0.512
Freon 123	4.73	7.67	0.617	ok	0.617	0.557-0.677
Freon 123A	4.78	7.67	0.623	ok	0.623	0.563-0.683
Freon 142B	3.75	7.67	0.489	ok	0.489	0.429-0.549
Freon 152A	3.55	7.67	0.463	ok	0.463	0.403-0.523
Heptane	11.03	9.83	1.122	ok	1.122	1.062-1.182
Hexachlorobutadiene	23.37	15.35	1.522	ok	1.522	1.462-1.582
Hexachloroethane	21.32	15.35	1.389	ok	1.389	1.329-1.449
Hexane	7.71	7.67	1.005	ok	1.005	0.945-1.065
2-Hexanone	13.36	15.35	0.870	ok	0.872	0.812-0.932
Iodomethane	5.42	7.67	0.707	ok	0.707	0.647-0.767
Isopropylbenzene	17.81	15.35	1.160	ok	1.161	1.101-1.221
Isopropyl Alcohol	5.03	7.67	0.656	ok	0.659	0.599-0.719
p-Isopropyltoluene	20.27	15.35	1.321	ok	1.320	1.260-1.380
Methylene chloride	5.60	7.67	0.730	ok	0.730	0.670-0.790
Methyl ethyl ketone	7.06	7.67	0.920	ok	0.924	0.864-0.984
Methyl Isobutyl Ketone	11.79	9.83	1.199	ok	1.202	1.142-1.262
Methyl Tert Butyl Ether	6.71	7.67	0.875	ok	0.879	0.819-0.939
Methylmethacrylate	10.94	9.83	1.113	ok	1.114	1.054-1.174
Naphthalene	22.88	15.35	1.491	ok	1.491	1.431-1.551
Nonane	17.31	15.35	1.128	ok	1.128	1.068-1.188
Octane	14.33	15.35	0.934	ok	0.934	0.874-0.994
Pentane	5.23	7.67	0.682	ok	0.682	0.622-0.742

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	Reporting this level
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
n-Propylbenzene	18.64	15.35	1.214	ok	1.214	1.154-1.274
Propylene	3.60	7.67	0.469	ok	0.469	0.409-0.529
Styrene	16.75	15.35	1.091	ok	1.092	1.032-1.152
1,1,1-Trichloroethane	8.87	7.67	1.156	ok	1.157	1.097-1.217
1,1,1,2-Tetrachloroethane	15.39	15.35	1.003	ok	1.003	0.943-1.063
1,1,2,2-Tetrachloroethane	16.91	15.35	1.102	ok	1.102	1.042-1.162
1,1,2-Trichloroethane	12.61	9.83	1.283	ok	1.283	1.223-1.343
1,2,4-Trichlorobenzene	23.22	15.35	1.513	ok	1.513	1.453-1.573
1,2,3-Trichloropropane	17.10	15.35	1.114	ok	1.114	1.054-1.174
1,2,3-Trimethylbenzene	20.23	15.35	1.318	ok	1.318	1.258-1.378
1,2,4-Trimethylbenzene	19.63	15.35	1.279	ok	1.279	1.219-1.339
1,3,5-Trimethylbenzene	19.01	15.35	1.238	ok	1.239	1.179-1.299
2,2,4-Trimethylpentane	10.69	9.83	1.087	ok	1.087	1.027-1.147
Tertiary Butyl Alcohol	5.55	7.67	0.724	ok	0.729	0.669-0.789
Tetrachloroethylene	14.47	15.35	0.943	ok	0.943	0.883-1.003
Tetrahydrofuran	8.24	7.67	1.074	ok	1.079	1.019-1.139
Toluene	12.96	9.83	1.318	ok	1.319	1.259-1.379
Trichloroethylene	10.65	9.83	1.083	ok	1.083	1.023-1.143
Trichlorofluoromethane	4.95	7.67	0.645	ok	0.645	0.585-0.705
Vinyl chloride	3.93	7.67	0.512	ok	0.512	0.452-0.572
Vinyl Acetate	6.81	7.67	0.888	ok	0.889	0.829-0.949
m,p-Xylene	16.23	15.35	1.057	ok	1.058	0.998-1.118
o-Xylene	16.90	15.35	1.101	ok	1.101	1.041-1.161
TVHC As Equiv Pentane	5.23	15.35	0.341	ok	0.341	0.281-0.401

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.67	ok	7.67	7.34-8.00	339202	ok	339251	203551-474951
1,4-Difluorobenzene	9.83	ok	9.83	9.50-10.16	1511260	ok	1491175	894705-2087645
Chlorobenzene-D5	15.35	ok	15.35	15.02-15.68	875250	ok	882807	529684-1235930

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	Reporting this level
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	4.82	7.68	0.628	ok	0.630	0.570-0.690
Acrolein	4.71	7.68	0.613	ok	0.615	0.555-0.675
Acrylonitrile	5.20	7.68	0.677	ok	0.679	0.619-0.739
Acetonitrile	4.62	7.68	0.602	ok	0.603	0.543-0.663
1,3-Butadiene	4.03	7.68	0.525	ok	0.526	0.466-0.586
Benzene	9.40	9.84	0.955	ok	0.956	0.896-1.016
Bromobenzene	17.91	15.35	1.167	ok	1.167	1.107-1.227
Bromodichloromethane	10.61	9.84	1.078	ok	1.079	1.019-1.139
Bromoform	16.30	15.35	1.062	ok	1.062	1.002-1.122
Bromomethane	4.23	7.68	0.551	ok	0.551	0.491-0.611
Bromoethene	4.62	7.68	0.602	ok	0.602	0.542-0.662
n-Butane	4.07	7.68	0.530	ok	0.530	0.470-0.590
Benzyl Chloride	19.81	15.35	1.291	ok	1.291	1.231-1.351
n-Butylbenzene	20.85	15.35	1.358	ok	1.359	1.299-1.419
sec-Butylbenzene	20.02	15.35	1.304	ok	1.304	1.244-1.364
tert-Butylbenzene	19.62	15.35	1.278	ok	1.278	1.218-1.338
Carbon disulfide	5.85	7.68	0.762	ok	0.763	0.703-0.823
Chlorobenzene	15.41	15.35	1.004	ok	1.004	0.944-1.064
Chlorodifluoromethane	3.58	7.68	0.466	ok	0.467	0.407-0.527
Chloroethane	4.35	7.68	0.566	ok	0.568	0.508-0.628
Chlorotrifluoroethene	3.61	7.68	0.470	ok	0.471	0.411-0.531
Chloroform	7.82	7.68	1.018	ok	1.018	0.958-1.078
Chloromethane	3.77	7.68	0.491	ok	0.492	0.432-0.552
3-Chloropropene	5.70	7.68	0.742	ok	0.743	0.683-0.803
2-Chlorotoluene	18.55	15.35	1.208	ok	1.209	1.149-1.269
Carbon tetrachloride	9.57	7.68	1.246	ok	1.248	1.188-1.308
Cyclohexane	9.70	9.84	0.986	ok	0.986	0.926-1.046
1,1-Dichloroethane	6.65	7.68	0.866	ok	0.867	0.807-0.927
1,1-Dichloroethylene	5.49	7.68	0.715	ok	0.715	0.655-0.775
1,2-Dibromoethane (EDB)	13.83	15.35	0.901	ok	0.901	0.841-0.961
1,2-Dichloroethane	8.61	7.68	1.121	ok	1.123	1.063-1.183
1,2-Dichloropropane	10.36	9.84	1.053	ok	1.054	0.994-1.114
1,3-Dichloropropane	13.01	9.84	1.322	ok	1.323	1.263-1.383
1,4-Dioxane	10.67	9.84	1.084	ok	1.089	1.029-1.149
Dichlorodifluoromethane	3.66	7.68	0.477	ok	0.477	0.417-0.537
Dichlorofluoromethane	4.42	7.68	0.576	ok	0.576	0.516-0.636
Dibromochloromethane	13.51	15.35	0.880	ok	0.880	0.820-0.940
Dibromomethane	10.34	9.84	1.051	ok	1.052	0.992-1.112
trans-1,2-Dichloroethylene	6.45	7.68	0.840	ok	0.842	0.782-0.902

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	Reporting this level
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	7.50	7.68	0.977	ok	0.978	0.918-1.038
cis-1,3-Dichloropropene	11.73	9.84	1.192	ok	1.194	1.134-1.254
m-Dichlorobenzene	19.82	15.35	1.291	ok	1.291	1.231-1.351
o-Dichlorobenzene	20.41	15.35	1.330	ok	1.330	1.270-1.390
p-Dichlorobenzene	19.92	15.35	1.298	ok	1.298	1.238-1.358
trans-1,3-Dichloropropene	12.41	9.84	1.261	ok	1.263	1.203-1.323
Di-Isopropyl ether	7.72	7.68	1.005	ok	1.008	0.948-1.068
2,3-Dimethylpentane	10.00	9.84	1.016	ok	1.017	0.957-1.077
2,4-Dimethylpentane	8.67	7.68	1.129	ok	1.130	1.070-1.190
Ethanol	4.46	7.68	0.581	ok	0.582	0.522-0.642
Ethylbenzene	15.96	15.35	1.040	ok	1.040	0.980-1.100
Ethyl Acetate	7.75	7.68	1.009	ok	1.013	0.953-1.073
Ethyl Acrylate	10.41	9.84	1.058	ok	1.062	1.002-1.122
4-Ethyltoluene	18.88	15.35	1.230	ok	1.230	1.170-1.290
Freon 113	5.82	7.68	0.758	ok	0.759	0.699-0.819
Freon 114	3.84	7.68	0.500	ok	0.501	0.441-0.561
Freon 115	3.47	7.68	0.452	ok	0.452	0.392-0.512
Freon 123	4.73	7.68	0.616	ok	0.617	0.557-0.677
Freon 123A	4.78	7.68	0.622	ok	0.623	0.563-0.683
Freon 142B	3.75	7.68	0.488	ok	0.489	0.429-0.549
Freon 152A	3.55	7.68	0.462	ok	0.463	0.403-0.523
Heptane	11.03	9.84	1.121	ok	1.122	1.062-1.182
Hexachlorobutadiene	23.37	15.35	1.522	ok	1.522	1.462-1.582
Hexachloroethane	21.32	15.35	1.389	ok	1.389	1.329-1.449
Hexane	7.71	7.68	1.004	ok	1.005	0.945-1.065
2-Hexanone	13.36	15.35	0.870	ok	0.872	0.812-0.932
Iodomethane	5.42	7.68	0.706	ok	0.707	0.647-0.767
Isopropylbenzene	17.82	15.35	1.161	ok	1.161	1.101-1.221
Isopropyl Alcohol	5.03	7.68	0.655	ok	0.659	0.599-0.719
p-Isopropyltoluene	20.27	15.35	1.321	ok	1.320	1.260-1.380
Methylene chloride	5.60	7.68	0.729	ok	0.730	0.670-0.790
Methyl ethyl ketone	7.05	7.68	0.918	ok	0.924	0.864-0.984
Methyl Isobutyl Ketone	11.79	9.84	1.198	ok	1.202	1.142-1.262
Methyl Tert Butyl Ether	6.71	7.68	0.874	ok	0.879	0.819-0.939
Methylmethacrylate	10.94	9.84	1.112	ok	1.114	1.054-1.174
Naphthalene	22.88	15.35	1.491	ok	1.491	1.431-1.551
Nonane	17.32	15.35	1.128	ok	1.128	1.068-1.188
Octane	14.33	15.35	0.934	ok	0.934	0.874-0.994
Pentane	5.23	7.68	0.681	ok	0.682	0.622-0.742

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	Reporting this level
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
n-Propylbenzene	18.64	15.35	1.214	ok	1.214	1.154-1.274
Propylene	3.60	7.68	0.469	ok	0.469	0.409-0.529
Styrene	16.75	15.35	1.091	ok	1.092	1.032-1.152
1,1,1-Trichloroethane	8.88	7.68	1.156	ok	1.157	1.097-1.217
1,1,1,2-Tetrachloroethane	15.40	15.35	1.003	ok	1.003	0.943-1.063
1,1,2,2-Tetrachloroethane	16.91	15.35	1.102	ok	1.102	1.042-1.162
1,1,2-Trichloroethane	12.61	9.84	1.282	ok	1.283	1.223-1.343
1,2,4-Trichlorobenzene	23.22	15.35	1.513	ok	1.513	1.453-1.573
1,2,3-Trichloropropane	17.10	15.35	1.114	ok	1.114	1.054-1.174
1,2,3-Trimethylbenzene	20.24	15.35	1.319	ok	1.318	1.258-1.378
1,2,4-Trimethylbenzene	19.63	15.35	1.279	ok	1.279	1.219-1.339
1,3,5-Trimethylbenzene	19.01	15.35	1.238	ok	1.239	1.179-1.299
2,2,4-Trimethylpentane	10.69	9.84	1.086	ok	1.087	1.027-1.147
Tertiary Butyl Alcohol	5.54	7.68	0.721	ok	0.729	0.669-0.789
Tetrachloroethylene	14.47	15.35	0.943	ok	0.943	0.883-1.003
Tetrahydrofuran	8.23	7.68	1.072	ok	1.079	1.019-1.139
Toluene	12.96	9.84	1.317	ok	1.319	1.259-1.379
Trichloroethylene	10.65	9.84	1.082	ok	1.083	1.023-1.143
Trichlorofluoromethane	4.95	7.68	0.645	ok	0.645	0.585-0.705
Vinyl chloride	3.93	7.68	0.512	ok	0.512	0.452-0.572
Vinyl Acetate	6.81	7.68	0.887	ok	0.889	0.829-0.949
m,p-Xylene	16.24	15.35	1.058	ok	1.058	0.998-1.118
o-Xylene	16.91	15.35	1.102	ok	1.101	1.041-1.161
TVHC As Equiv Pentane	5.23	15.35	0.341	ok	0.341	0.281-0.401

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.68	ok	7.67	7.34-8.00	342882	ok	339251	203551-474951
1,4-Difluorobenzene	9.84	ok	9.83	9.50-10.16	1466721	ok	1491175	894705-2087645
Chlorobenzene-D5	15.35	ok	15.35	15.02-15.68	922805	ok	882807	529684-1235930

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	Reporting this level
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	4.82	7.68	0.628	ok	0.630	0.570-0.690
Acrolein	4.71	7.68	0.613	ok	0.615	0.555-0.675
Acrylonitrile	5.20	7.68	0.677	ok	0.679	0.619-0.739
Acetonitrile	4.62	7.68	0.602	ok	0.603	0.543-0.663
1,3-Butadiene	4.02	7.68	0.523	ok	0.526	0.466-0.586
Benzene	9.40	9.84	0.955	ok	0.956	0.896-1.016
Bromobenzene	17.92	15.35	1.167	ok	1.167	1.107-1.227
Bromodichloromethane	10.61	9.84	1.078	ok	1.079	1.019-1.139
Bromoform	16.30	15.35	1.062	ok	1.062	1.002-1.122
Bromomethane	4.22	7.68	0.549	ok	0.551	0.491-0.611
Bromoethene	4.62	7.68	0.602	ok	0.602	0.542-0.662
n-Butane	4.06	7.68	0.529	ok	0.530	0.470-0.590
Benzyl Chloride	19.82	15.35	1.291	ok	1.291	1.231-1.351
n-Butylbenzene	20.86	15.35	1.359	ok	1.359	1.299-1.419
sec-Butylbenzene	20.02	15.35	1.304	ok	1.304	1.244-1.364
tert-Butylbenzene	19.62	15.35	1.278	ok	1.278	1.218-1.338
Carbon disulfide	5.85	7.68	0.762	ok	0.763	0.703-0.823
Chlorobenzene	15.41	15.35	1.004	ok	1.004	0.944-1.064
Chlorodifluoromethane	3.57	7.68	0.465	ok	0.467	0.407-0.527
Chloroethane	4.35	7.68	0.566	ok	0.568	0.508-0.628
Chlorotrifluoroethene	3.60	7.68	0.469	ok	0.471	0.411-0.531
Chloroform	7.82	7.68	1.018	ok	1.018	0.958-1.078
Chloromethane	3.77	7.68	0.491	ok	0.492	0.432-0.552
3-Chloropropene	5.69	7.68	0.741	ok	0.743	0.683-0.803
2-Chlorotoluene	18.55	15.35	1.208	ok	1.209	1.149-1.269
Carbon tetrachloride	9.57	7.68	1.246	ok	1.248	1.188-1.308
Cyclohexane	9.70	9.84	0.986	ok	0.986	0.926-1.046
1,1-Dichloroethane	6.65	7.68	0.866	ok	0.867	0.807-0.927
1,1-Dichloroethylene	5.48	7.68	0.714	ok	0.715	0.655-0.775
1,2-Dibromoethane (EDB)	13.84	15.35	0.902	ok	0.901	0.841-0.961
1,2-Dichloroethane	8.61	7.68	1.121	ok	1.123	1.063-1.183
1,2-Dichloropropane	10.36	9.84	1.053	ok	1.054	0.994-1.114
1,3-Dichloropropane	13.01	9.84	1.322	ok	1.323	1.263-1.383
1,4-Dioxane	10.66	9.84	1.083	ok	1.089	1.029-1.149
Dichlorodifluoromethane	3.65	7.68	0.475	ok	0.477	0.417-0.537
Dichlorofluoromethane	4.41	7.68	0.574	ok	0.576	0.516-0.636
Dibromochloromethane	13.52	15.35	0.881	ok	0.880	0.820-0.940
Dibromomethane	10.34	9.84	1.051	ok	1.052	0.992-1.112
trans-1,2-Dichloroethylene	6.45	7.68	0.840	ok	0.842	0.782-0.902

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	Reporting this level
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	7.50	7.68	0.977	ok	0.978	0.918-1.038
cis-1,3-Dichloropropene	11.73	9.84	1.192	ok	1.194	1.134-1.254
m-Dichlorobenzene	19.82	15.35	1.291	ok	1.291	1.231-1.351
o-Dichlorobenzene	20.41	15.35	1.330	ok	1.330	1.270-1.390
p-Dichlorobenzene	19.93	15.35	1.298	ok	1.298	1.238-1.358
trans-1,3-Dichloropropene	12.41	9.84	1.261	ok	1.263	1.203-1.323
Di-Isopropyl ether	7.71	7.68	1.004	ok	1.008	0.948-1.068
2,3-Dimethylpentane	10.01	9.84	1.017	ok	1.017	0.957-1.077
2,4-Dimethylpentane	8.67	7.68	1.129	ok	1.130	1.070-1.190
Ethanol	4.46	7.68	0.581	ok	0.582	0.522-0.642
Ethylbenzene	15.96	15.35	1.040	ok	1.040	0.980-1.100
Ethyl Acetate	7.75	7.68	1.009	ok	1.013	0.953-1.073
Ethyl Acrylate	10.41	9.84	1.058	ok	1.062	1.002-1.122
4-Ethyltoluene	18.88	15.35	1.230	ok	1.230	1.170-1.290
Freon 113	5.82	7.68	0.758	ok	0.759	0.699-0.819
Freon 114	3.84	7.68	0.500	ok	0.501	0.441-0.561
Freon 123	4.73	7.68	0.616	ok	0.617	0.557-0.677
Freon 123A	4.78	7.68	0.622	ok	0.623	0.563-0.683
Freon 142B	3.75	7.68	0.488	ok	0.489	0.429-0.549
Freon 152A	3.54	7.68	0.461	ok	0.463	0.403-0.523
Heptane	11.03	9.84	1.121	ok	1.122	1.062-1.182
Hexachlorobutadiene	23.37	15.35	1.522	ok	1.522	1.462-1.582
Hexachloroethane	21.32	15.35	1.389	ok	1.389	1.329-1.449
Hexane	7.71	7.68	1.004	ok	1.005	0.945-1.065
2-Hexanone	13.36	15.35	0.870	ok	0.872	0.812-0.932
Iodomethane	5.42	7.68	0.706	ok	0.707	0.647-0.767
Isopropylbenzene	17.82	15.35	1.161	ok	1.161	1.101-1.221
Isopropyl Alcohol	5.03	7.68	0.655	ok	0.659	0.599-0.719
p-Isopropyltoluene	20.27	15.35	1.321	ok	1.320	1.260-1.380
Methylene chloride	5.60	7.68	0.729	ok	0.730	0.670-0.790
Methyl ethyl ketone	7.05	7.68	0.918	ok	0.924	0.864-0.984
Methyl Isobutyl Ketone	11.79	9.84	1.198	ok	1.202	1.142-1.262
Methyl Tert Butyl Ether	6.70	7.68	0.872	ok	0.879	0.819-0.939
Methylmethacrylate	10.94	9.84	1.112	ok	1.114	1.054-1.174
Naphthalene	22.89	15.35	1.491	ok	1.491	1.431-1.551
Nonane	17.32	15.35	1.128	ok	1.128	1.068-1.188
Octane	14.34	15.35	0.934	ok	0.934	0.874-0.994
Pentane	5.23	7.68	0.681	ok	0.682	0.622-0.742
n-Propylbenzene	18.64	15.35	1.214	ok	1.214	1.154-1.274

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	Reporting this level
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Propylene	3.59	7.68	0.467	ok	0.469	0.409-0.529
Styrene	16.75	15.35	1.091	ok	1.092	1.032-1.152
1,1,1-Trichloroethane	8.88	7.68	1.156	ok	1.157	1.097-1.217
1,1,1,2-Tetrachloroethane	15.40	15.35	1.003	ok	1.003	0.943-1.063
1,1,2,2-Tetrachloroethane	16.91	15.35	1.102	ok	1.102	1.042-1.162
1,1,2-Trichloroethane	12.62	9.84	1.283	ok	1.283	1.223-1.343
1,2,4-Trichlorobenzene	23.23	15.35	1.513	ok	1.513	1.453-1.573
1,2,3-Trichloropropane	17.10	15.35	1.114	ok	1.114	1.054-1.174
1,2,3-Trimethylbenzene	20.24	15.35	1.319	ok	1.318	1.258-1.378
1,2,4-Trimethylbenzene	19.64	15.35	1.279	ok	1.279	1.219-1.339
1,3,5-Trimethylbenzene	19.02	15.35	1.239	ok	1.239	1.179-1.299
2,2,4-Trimethylpentane	10.69	9.84	1.086	ok	1.087	1.027-1.147
Tertiary Butyl Alcohol	5.54	7.68	0.721	ok	0.729	0.669-0.789
Tetrachloroethylene	14.47	15.35	0.943	ok	0.943	0.883-1.003
Tetrahydrofuran	8.23	7.68	1.072	ok	1.079	1.019-1.139
Toluene	12.97	9.84	1.318	ok	1.319	1.259-1.379
Trichloroethylene	10.65	9.84	1.082	ok	1.083	1.023-1.143
Trichlorofluoromethane	4.94	7.68	0.643	ok	0.645	0.585-0.705
Vinyl chloride	3.93	7.68	0.512	ok	0.512	0.452-0.572
Vinyl Acetate	6.81	7.68	0.887	ok	0.889	0.829-0.949
m,p-Xylene	16.25	15.35	1.059	ok	1.058	0.998-1.118
o-Xylene	16.91	15.35	1.102	ok	1.101	1.041-1.161
TVHC As Equiv Pentane	5.23	15.35	0.341	ok	0.341	0.281-0.401

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.68	ok	7.67	7.34-8.00	341329	ok	339251	203551-474951
1,4-Difluorobenzene	9.84	ok	9.83	9.50-10.16	1382725	ok	1491175	894705-2087645
Chlorobenzene-D5	15.35	ok	15.35	15.02-15.68	1000073	ok	882807	529684-1235930

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acrolein	4.71	7.68	0.613	ok	0.615	0.555-0.675
Acrylonitrile	5.21	7.68	0.678	ok	0.679	0.619-0.739
Acetonitrile	4.62	7.68	0.602	ok	0.603	0.543-0.663
1,3-Butadiene	4.03	7.68	0.525	ok	0.526	0.466-0.586
Benzene	9.41	9.85	0.955	ok	0.956	0.896-1.016
Bromobenzene	17.92	15.35	1.167	ok	1.167	1.107-1.227
Bromodichloromethane	10.62	9.85	1.078	ok	1.079	1.019-1.139
Bromoform	16.30	15.35	1.062	ok	1.062	1.002-1.122
Bromomethane	4.23	7.68	0.551	ok	0.551	0.491-0.611
Bromoethene	4.62	7.68	0.602	ok	0.602	0.542-0.662
n-Butane	4.07	7.68	0.530	ok	0.530	0.470-0.590
Benzyl Chloride	19.82	15.35	1.291	ok	1.291	1.231-1.351
n-Butylbenzene	20.86	15.35	1.359	ok	1.359	1.299-1.419
sec-Butylbenzene	20.03	15.35	1.305	ok	1.304	1.244-1.364
tert-Butylbenzene	19.62	15.35	1.278	ok	1.278	1.218-1.338
Carbon disulfide	5.85	7.68	0.762	ok	0.763	0.703-0.823
Chlorobenzene	15.41	15.35	1.004	ok	1.004	0.944-1.064
Chlorodifluoromethane	3.58	7.68	0.466	ok	0.467	0.407-0.527
Chloroethane	4.35	7.68	0.566	ok	0.568	0.508-0.628
Chlorotrifluoroethene	3.61	7.68	0.470	ok	0.471	0.411-0.531
Chloroform	7.82	7.68	1.018	ok	1.018	0.958-1.078
Chloromethane	3.77	7.68	0.491	ok	0.492	0.432-0.552
3-Chloropropene	5.70	7.68	0.742	ok	0.743	0.683-0.803
2-Chlorotoluene	18.55	15.35	1.208	ok	1.209	1.149-1.269
Carbon tetrachloride	9.57	7.68	1.246	ok	1.248	1.188-1.308
Cyclohexane	9.71	9.85	0.986	ok	0.986	0.926-1.046
1,1-Dichloroethane	6.65	7.68	0.866	ok	0.867	0.807-0.927
1,1-Dichloroethylene	5.49	7.68	0.715	ok	0.715	0.655-0.775
1,2-Dibromoethane (EDB)	13.84	15.35	0.902	ok	0.901	0.841-0.961
1,2-Dichloroethane	8.61	7.68	1.121	ok	1.123	1.063-1.183
1,2-Dichloropropane	10.37	9.85	1.053	ok	1.054	0.994-1.114
1,3-Dichloropropane	13.02	9.85	1.322	ok	1.323	1.263-1.383
1,4-Dioxane	10.67	9.85	1.083	ok	1.089	1.029-1.149
Dichlorodifluoromethane	3.66	7.68	0.477	ok	0.477	0.417-0.537
Dichlorofluoromethane	4.42	7.68	0.576	ok	0.576	0.516-0.636
Dibromochloromethane	13.52	15.35	0.881	ok	0.880	0.820-0.940
Dibromomethane	10.34	9.85	1.050	ok	1.052	0.992-1.112
trans-1,2-Dichloroethylene	6.46	7.68	0.841	ok	0.842	0.782-0.902
cis-1,2-Dichloroethylene	7.50	7.68	0.977	ok	0.978	0.918-1.038

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,3-Dichloropropene	11.74	9.85	1.192	ok	1.194	1.134-1.254
m-Dichlorobenzene	19.83	15.35	1.292	ok	1.291	1.231-1.351
o-Dichlorobenzene	20.41	15.35	1.330	ok	1.330	1.270-1.390
p-Dichlorobenzene	19.94	15.35	1.299	ok	1.298	1.238-1.358
trans-1,3-Dichloropropene	12.42	9.85	1.261	ok	1.263	1.203-1.323
Di-Isopropyl ether	7.72	7.68	1.005	ok	1.008	0.948-1.068
2,3-Dimethylpentane	10.01	9.85	1.016	ok	1.017	0.957-1.077
2,4-Dimethylpentane	8.67	7.68	1.129	ok	1.130	1.070-1.190
Ethanol	4.46	7.68	0.581	ok	0.582	0.522-0.642
Ethylbenzene	15.96	15.35	1.040	ok	1.040	0.980-1.100
Ethyl Acetate	7.75	7.68	1.009	ok	1.013	0.953-1.073
Ethyl Acrylate	10.42	9.85	1.058	ok	1.062	1.002-1.122
4-Ethyltoluene	18.89	15.35	1.231	ok	1.230	1.170-1.290
Freon 113	5.82	7.68	0.758	ok	0.759	0.699-0.819
Freon 114	3.84	7.68	0.500	ok	0.501	0.441-0.561
Freon 123	4.74	7.68	0.617	ok	0.617	0.557-0.677
Freon 123A	4.78	7.68	0.622	ok	0.623	0.563-0.683
Freon 142B	3.75	7.68	0.488	ok	0.489	0.429-0.549
Freon 152A	3.55	7.68	0.462	ok	0.463	0.403-0.523
Heptane	11.04	9.85	1.121	ok	1.122	1.062-1.182
Hexachlorobutadiene	23.37	15.35	1.522	ok	1.522	1.462-1.582
Hexachloroethane	21.32	15.35	1.389	ok	1.389	1.329-1.449
Hexane	7.71	7.68	1.004	ok	1.005	0.945-1.065
2-Hexanone	13.36	15.35	0.870	ok	0.872	0.812-0.932
Iodomethane	5.42	7.68	0.706	ok	0.707	0.647-0.767
Isopropylbenzene	17.82	15.35	1.161	ok	1.161	1.101-1.221
Isopropyl Alcohol	5.03	7.68	0.655	ok	0.659	0.599-0.719
p-Isopropyltoluene	20.27	15.35	1.321	ok	1.320	1.260-1.380
Methylene chloride	5.60	7.68	0.729	ok	0.730	0.670-0.790
Methyl ethyl ketone	7.05	7.68	0.918	ok	0.924	0.864-0.984
Methyl Isobutyl Ketone	11.79	9.85	1.197	ok	1.202	1.142-1.262
Methyl Tert Butyl Ether	6.71	7.68	0.874	ok	0.879	0.819-0.939
Methylmethacrylate	10.94	9.85	1.111	ok	1.114	1.054-1.174
Nonane	17.32	15.35	1.128	ok	1.128	1.068-1.188
Octane	14.34	15.35	0.934	ok	0.934	0.874-0.994
Pentane	5.23	7.68	0.681	ok	0.682	0.622-0.742
n-Propylbenzene	18.64	15.35	1.214	ok	1.214	1.154-1.274
Propylene	3.60	7.68	0.469	ok	0.469	0.409-0.529
Styrene	16.76	15.35	1.092	ok	1.092	1.032-1.152

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
1,1,1-Trichloroethane	8.88	7.68	1.156	ok	1.157	1.097-1.217
1,1,1,2-Tetrachloroethane	15.40	15.35	1.003	ok	1.003	0.943-1.063
1,1,2,2-Tetrachloroethane	16.91	15.35	1.102	ok	1.102	1.042-1.162
1,1,2-Trichloroethane	12.62	9.85	1.281	ok	1.283	1.223-1.343
1,2,4-Trichlorobenzene	23.23	15.35	1.513	ok	1.513	1.453-1.573
1,2,3-Trichloropropane	17.11	15.35	1.115	ok	1.114	1.054-1.174
1,2,3-Trimethylbenzene	20.25	15.35	1.319	ok	1.318	1.258-1.378
1,2,4-Trimethylbenzene	19.64	15.35	1.279	ok	1.279	1.219-1.339
1,3,5-Trimethylbenzene	19.02	15.35	1.239	ok	1.239	1.179-1.299
2,2,4-Trimethylpentane	10.70	9.85	1.086	ok	1.087	1.027-1.147
Tertiary Butyl Alcohol	5.55	7.68	0.723	ok	0.729	0.669-0.789
Tetrachloroethylene	14.47	15.35	0.943	ok	0.943	0.883-1.003
Tetrahydrofuran	8.23	7.68	1.072	ok	1.079	1.019-1.139
Toluene	12.97	9.85	1.317	ok	1.319	1.259-1.379
Trichloroethylene	10.66	9.85	1.082	ok	1.083	1.023-1.143
Trichlorofluoromethane	4.95	7.68	0.645	ok	0.645	0.585-0.705
Vinyl chloride	3.93	7.68	0.512	ok	0.512	0.452-0.572
Vinyl Acetate	6.81	7.68	0.887	ok	0.889	0.829-0.949
m,p-Xylene	16.25	15.35	1.059	ok	1.058	0.998-1.118
o-Xylene	16.91	15.35	1.102	ok	1.101	1.041-1.161
TVHC As Equiv Pentane	5.23	15.35	0.341	ok	0.341	0.281-0.401

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.68	ok	7.67	7.34-8.00	363096	ok	339251	203551-474951
1,4-Difluorobenzene	9.85	ok	9.83	9.50-10.16	1435494	ok	1491175	894705-2087645
Chlorobenzene-D5	15.35	ok	15.35	15.02-15.68	1087902	ok	882807	529684-1235930

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	Reporting this level
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.14	3.27	0.654	ok	0.653	0.593-0.713
Acrylonitrile	2.28	3.27	0.697	ok	0.696	0.636-0.756
Acetonitrile	2.05	3.27	0.627	ok	0.627	0.567-0.687
1,3-Butadiene	1.83	3.27	0.560	ok	0.560	0.500-0.620
Benzene	4.22	3.27	1.291	ok	1.293	1.233-1.353
Bromobenzene	13.81	10.12	1.365	ok	1.366	1.306-1.426
Bromodichloromethane	5.06	4.55	1.112	ok	1.114	1.054-1.174
Bromoform	11.32	10.12	1.119	ok	1.118	1.058-1.178
Bromomethane	1.91	3.27	0.584	ok	0.584	0.524-0.644
Bromoethene	2.06	3.27	0.630	ok	0.630	0.570-0.690
n-Butane	1.85	3.27	0.566	ok	0.566	0.506-0.626
Benzyl Chloride	16.66	10.12	1.646	ok	1.647	1.587-1.707
n-Butylbenzene	17.42	10.12	1.721	ok	1.722	1.662-1.782
sec-Butylbenzene	16.87	10.12	1.667	ok	1.667	1.607-1.727
tert-Butylbenzene	16.57	10.12	1.637	ok	1.637	1.577-1.697
Carbon disulfide	2.53	3.27	0.774	ok	0.771	0.711-0.831
Chlorobenzene	10.19	10.12	1.007	ok	1.008	0.948-1.068
Chlorodifluoromethane	1.66	3.27	0.508	ok	0.508	0.448-0.568
Chloroethane	1.96	3.27	0.599	ok	0.599	0.539-0.659
Chlorotrifluoroethene	1.68	3.27	0.514	ok	0.511	0.451-0.571
Chloroform	3.34	3.27	1.021	ok	1.022	0.962-1.082
Chloromethane	1.73	3.27	0.529	ok	0.529	0.469-0.589
3-Chloropropene	2.47	3.27	0.755	ok	0.755	0.695-0.815
2-Chlorotoluene	14.96	10.12	1.478	ok	1.477	1.417-1.537
Carbon tetrachloride	4.33	3.27	1.324	ok	1.326	1.266-1.386
Cyclohexane	4.43	4.55	0.974	ok	0.974	0.914-1.034
1,1-Dichloroethane	2.83	3.27	0.865	ok	0.865	0.805-0.925
1,1-Dichloroethylene	2.39	3.27	0.731	ok	0.731	0.671-0.791
1,2-Dibromoethane (EDB)	8.14	4.55	1.789	ok	1.789	1.729-1.849
1,2-Dichloroethane	3.75	3.27	1.147	ok	1.147	1.087-1.207
1,2-Dichloropropane	4.88	4.55	1.073	ok	1.074	1.014-1.134
1,3-Dichloropropane	7.32	4.55	1.609	ok	1.609	1.549-1.669
Dichlorodifluoromethane	1.69	3.27	0.517	ok	0.517	0.457-0.577
Dichlorofluoromethane	1.98	3.27	0.606	ok	0.606	0.546-0.666
Dibromochloromethane	7.80	4.55	1.714	ok	1.713	1.653-1.773
Dibromomethane	4.85	4.55	1.066	ok	1.066	1.006-1.126
trans-1,2-Dichloroethylene	2.75	3.27	0.841	ok	0.841	0.781-0.901
cis-1,2-Dichloroethylene	3.19	3.27	0.976	ok	0.976	0.916-1.036
cis-1,3-Dichloropropene	6.06	4.55	1.332	ok	1.332	1.272-1.392

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	Reporting this level
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
m-Dichlorobenzene	16.64	10.12	1.644	ok	1.644	1.584-1.704
o-Dichlorobenzene	17.04	10.12	1.684	ok	1.684	1.624-1.744
p-Dichlorobenzene	16.73	10.12	1.653	ok	1.653	1.593-1.713
trans-1,3-Dichloropropene	6.73	4.55	1.479	ok	1.481	1.421-1.541
Di-Isopropyl ether	3.34	3.27	1.021	ok	1.020	0.960-1.080
2,3-Dimethylpentane	4.69	4.55	1.031	ok	1.030	0.970-1.090
2,4-Dimethylpentane	3.84	3.27	1.174	ok	1.173	1.113-1.233
Ethanol	2.00	3.27	0.612	ok	0.610	0.550-0.670
Ethylbenzene	11.08	10.12	1.095	ok	1.095	1.035-1.155
Ethyl Acetate	3.34	3.27	1.021	ok	1.020	0.960-1.080
Ethyl Acrylate	5.03	4.55	1.105	ok	1.103	1.043-1.163
4-Ethyltoluene	15.72	10.12	1.553	ok	1.555	1.495-1.615
Freon 113	2.52	3.27	0.771	ok	0.771	0.711-0.831
Freon 114	1.76	3.27	0.538	ok	0.538	0.478-0.598
Freon 115	1.62	3.27	0.495	ok	0.494	0.434-0.554
Freon 123	2.11	3.27	0.645	ok	0.643	0.583-0.703
Freon 123A	2.13	3.27	0.651	ok	0.649	0.589-0.709
Freon 142B	1.72	3.27	0.526	ok	0.527	0.467-0.587
Freon 152A	1.65	3.27	0.505	ok	0.504	0.444-0.564
Heptane	5.54	4.55	1.218	ok	1.216	1.156-1.276
Hexachlorobutadiene	18.66	10.12	1.844	ok	1.843	1.783-1.903
Hexachloroethane	17.60	10.12	1.739	ok	1.739	1.679-1.799
Hexane	3.32	3.27	1.015	ok	1.015	0.955-1.075
2-Hexanone	7.90	4.55	1.736	ok	1.729	1.669-1.789
Iodomethane	2.37	3.27	0.725	ok	0.722	0.662-0.782
Isopropylbenzene	13.96	10.12	1.379	ok	1.379	1.319-1.439
Isopropyl Alcohol	2.23	3.27	0.682	ok	0.679	0.619-0.739
p-Isopropyltoluene	17.06	10.12	1.686	ok	1.686	1.626-1.746
Methylene chloride	2.42	3.27	0.740	ok	0.742	0.682-0.802
Methyl ethyl ketone	3.01	3.27	0.920	ok	0.919	0.859-0.979
Methyl Isobutyl Ketone	6.21	4.55	1.365	ok	1.360	1.300-1.420
Methyl Tert Butyl Ether	2.88	3.27	0.881	ok	0.877	0.817-0.937
Methylmethacrylate	5.45	4.55	1.198	ok	1.195	1.135-1.255
Naphthalene	18.40	10.12	1.818	ok	1.818	1.758-1.878
Nonane	13.56	10.12	1.340	ok	1.340	1.280-1.400
Octane	9.14	4.55	2.009	ok	2.009	1.949-2.069
Pentane	2.31	3.27	0.706	ok	0.704	0.644-0.764
n-Propylbenzene	15.30	10.12	1.512	ok	1.512	1.452-1.572
Propylene	1.67	3.27	0.511	ok	0.511	0.451-0.571

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	Reporting this level
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Styrene	12.23	10.12	1.208	ok	1.208	1.148-1.268
1,1,1-Trichloroethane	3.91	3.27	1.196	ok	1.196	1.136-1.256
1,1,1,2-Tetrachloroethane	10.20	10.12	1.008	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	12.46	10.12	1.231	ok	1.231	1.171-1.291
1,1,2-Trichloroethane	6.90	4.55	1.516	ok	1.515	1.455-1.575
1,2,4-Trichlorobenzene	18.35	10.12	1.813	ok	1.813	1.753-1.873
1,2,3-Trichloropropane	12.74	10.12	1.259	ok	1.259	1.199-1.319
1,2,3-Trimethylbenzene	16.99	10.12	1.679	ok	1.679	1.619-1.739
1,2,4-Trimethylbenzene	16.58	10.12	1.638	ok	1.638	1.578-1.698
1,3,5-Trimethylbenzene	15.99	10.12	1.580	ok	1.581	1.521-1.641
2,2,4-Trimethylpentane	5.22	4.55	1.147	ok	1.147	1.087-1.207
Tertiary Butyl Alcohol	2.45	3.27	0.749	ok	0.743	0.683-0.803
Tetrachloroethylene	8.99	4.55	1.976	ok	1.977	1.917-2.037
Tetrahydrofuran	3.60	3.27	1.101	ok	1.091	1.031-1.151
Toluene	7.26	4.55	1.596	ok	1.596	1.536-1.656
Trichloroethylene	5.12	4.55	1.125	ok	1.126	1.066-1.186
Trichlorofluoromethane	2.19	3.27	0.670	ok	0.669	0.609-0.729
Vinyl chloride	1.79	3.27	0.547	ok	0.547	0.487-0.607
Vinyl Acetate	2.91	3.27	0.890	ok	0.888	0.828-0.948
m,p-Xylene	11.50	10.12	1.136	ok	1.137	1.077-1.197
o-Xylene	12.43	10.12	1.228	ok	1.229	1.169-1.289
TVHC As Equiv Pentane	2.31	10.12	0.228	ok	0.227	0.167-0.287

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.27	ok	3.27	2.94-3.60	86358	ok	80511	48307-112715
1,4-Difluorobenzene	4.55	ok	4.55	4.22-4.88	435174	ok	406483	243890-569076
Chlorobenzene-D5	10.12	ok	10.12	9.79-10.45	379594	ok	359712	215827-503597

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	Reporting this level
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.14	3.27	0.654	ok	0.653	0.593-0.713
Acrolein	2.10	3.27	0.642	ok	0.640	0.580-0.700
Acrylonitrile	2.28	3.27	0.697	ok	0.696	0.636-0.756
Acetonitrile	2.05	3.27	0.627	ok	0.627	0.567-0.687
1,3-Butadiene	1.83	3.27	0.560	ok	0.560	0.500-0.620
Benzene	4.23	3.27	1.294	ok	1.293	1.233-1.353
Bromobenzene	13.81	10.12	1.365	ok	1.366	1.306-1.426
Bromodichloromethane	5.07	4.55	1.114	ok	1.114	1.054-1.174
Bromoform	11.31	10.12	1.118	ok	1.118	1.058-1.178
Bromomethane	1.91	3.27	0.584	ok	0.584	0.524-0.644
Bromoethene	2.06	3.27	0.630	ok	0.630	0.570-0.690
n-Butane	1.85	3.27	0.566	ok	0.566	0.506-0.626
Benzyl Chloride	16.67	10.12	1.647	ok	1.647	1.587-1.707
n-Butylbenzene	17.43	10.12	1.722	ok	1.722	1.662-1.782
sec-Butylbenzene	16.88	10.12	1.668	ok	1.667	1.607-1.727
tert-Butylbenzene	16.57	10.12	1.637	ok	1.637	1.577-1.697
Carbon disulfide	2.52	3.27	0.771	ok	0.771	0.711-0.831
Chlorobenzene	10.20	10.12	1.008	ok	1.008	0.948-1.068
Chlorodifluoromethane	1.66	3.27	0.508	ok	0.508	0.448-0.568
Chloroethane	1.96	3.27	0.599	ok	0.599	0.539-0.659
Chlorotrifluoroethene	1.67	3.27	0.511	ok	0.511	0.451-0.571
Chloroform	3.34	3.27	1.021	ok	1.022	0.962-1.082
Chloromethane	1.74	3.27	0.532	ok	0.529	0.469-0.589
3-Chloropropene	2.47	3.27	0.755	ok	0.755	0.695-0.815
2-Chlorotoluene	14.95	10.12	1.477	ok	1.477	1.417-1.537
Carbon tetrachloride	4.34	3.27	1.327	ok	1.326	1.266-1.386
Cyclohexane	4.43	4.55	0.974	ok	0.974	0.914-1.034
1,1-Dichloroethane	2.83	3.27	0.865	ok	0.865	0.805-0.925
1,1-Dichloroethylene	2.39	3.27	0.731	ok	0.731	0.671-0.791
1,2-Dibromoethane (EDB)	8.15	4.55	1.791	ok	1.789	1.729-1.849
1,2-Dichloroethane	3.75	3.27	1.147	ok	1.147	1.087-1.207
1,2-Dichloropropane	4.89	4.55	1.075	ok	1.074	1.014-1.134
1,3-Dichloropropane	7.32	4.55	1.609	ok	1.609	1.549-1.669
1,4-Dioxane	5.24	4.55	1.152	ok	1.137	1.077-1.197
Dichlorodifluoromethane	1.69	3.27	0.517	ok	0.517	0.457-0.577
Dichlorofluoromethane	1.98	3.27	0.606	ok	0.606	0.546-0.666
Dibromochloromethane	7.79	4.55	1.712	ok	1.713	1.653-1.773
Dibromomethane	4.85	4.55	1.066	ok	1.066	1.006-1.126
trans-1,2-Dichloroethylene	2.75	3.27	0.841	ok	0.841	0.781-0.901

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	Reporting this level
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.19	3.27	0.976	ok	0.976	0.916-1.036
cis-1,3-Dichloropropene	6.06	4.55	1.332	ok	1.332	1.272-1.392
m-Dichlorobenzene	16.64	10.12	1.644	ok	1.644	1.584-1.704
o-Dichlorobenzene	17.04	10.12	1.684	ok	1.684	1.624-1.744
p-Dichlorobenzene	16.73	10.12	1.653	ok	1.653	1.593-1.713
trans-1,3-Dichloropropene	6.74	4.55	1.481	ok	1.481	1.421-1.541
Di-Isopropyl ether	3.34	3.27	1.021	ok	1.020	0.960-1.080
2,3-Dimethylpentane	4.68	4.55	1.029	ok	1.030	0.970-1.090
2,4-Dimethylpentane	3.83	3.27	1.171	ok	1.173	1.113-1.233
Ethanol	2.00	3.27	0.612	ok	0.610	0.550-0.670
Ethylbenzene	11.08	10.12	1.095	ok	1.095	1.035-1.155
Ethyl Acetate	3.35	3.27	1.024	ok	1.020	0.960-1.080
Ethyl Acrylate	5.03	4.55	1.105	ok	1.103	1.043-1.163
4-Ethyltoluene	15.74	10.12	1.555	ok	1.555	1.495-1.615
Freon 113	2.52	3.27	0.771	ok	0.771	0.711-0.831
Freon 114	1.76	3.27	0.538	ok	0.538	0.478-0.598
Freon 115	1.62	3.27	0.495	ok	0.494	0.434-0.554
Freon 123	2.11	3.27	0.645	ok	0.643	0.583-0.703
Freon 123A	2.12	3.27	0.648	ok	0.649	0.589-0.709
Freon 142B	1.73	3.27	0.529	ok	0.527	0.467-0.587
Freon 152A	1.65	3.27	0.505	ok	0.504	0.444-0.564
Heptane	5.53	4.55	1.215	ok	1.216	1.156-1.276
Hexachlorobutadiene	18.66	10.12	1.844	ok	1.843	1.783-1.903
Hexachloroethane	17.60	10.12	1.739	ok	1.739	1.679-1.799
Hexane	3.32	3.27	1.015	ok	1.015	0.955-1.075
2-Hexanone	7.89	4.55	1.734	ok	1.729	1.669-1.789
Iodomethane	2.37	3.27	0.725	ok	0.722	0.662-0.782
Isopropylbenzene	13.96	10.12	1.379	ok	1.379	1.319-1.439
Isopropyl Alcohol	2.23	3.27	0.682	ok	0.679	0.619-0.739
p-Isopropyltoluene	17.06	10.12	1.686	ok	1.686	1.626-1.746
Methylene chloride	2.43	3.27	0.743	ok	0.742	0.682-0.802
Methyl ethyl ketone	3.01	3.27	0.920	ok	0.919	0.859-0.979
Methyl Isobutyl Ketone	6.21	4.55	1.365	ok	1.360	1.300-1.420
Methyl Tert Butyl Ether	2.87	3.27	0.878	ok	0.877	0.817-0.937
Methylmethacrylate	5.44	4.55	1.196	ok	1.195	1.135-1.255
Naphthalene	18.40	10.12	1.818	ok	1.818	1.758-1.878
Nonane	13.57	10.12	1.341	ok	1.340	1.280-1.400
Octane	9.14	4.55	2.009	ok	2.009	1.949-2.069
Pentane	2.30	3.27	0.703	ok	0.704	0.644-0.764

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	Reporting this level
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
n-Propylbenzene	15.29	10.12	1.511	ok	1.512	1.452-1.572
Propylene	1.67	3.27	0.511	ok	0.511	0.451-0.571
Styrene	12.23	10.12	1.208	ok	1.208	1.148-1.268
1,1,1-Trichloroethane	3.91	3.27	1.196	ok	1.196	1.136-1.256
1,1,1,2-Tetrachloroethane	10.21	10.12	1.009	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	12.45	10.12	1.230	ok	1.231	1.171-1.291
1,1,2-Trichloroethane	6.89	4.55	1.514	ok	1.515	1.455-1.575
1,2,4-Trichlorobenzene	18.35	10.12	1.813	ok	1.813	1.753-1.873
1,2,3-Trichloropropane	12.73	10.12	1.258	ok	1.259	1.199-1.319
1,2,3-Trimethylbenzene	16.99	10.12	1.679	ok	1.679	1.619-1.739
1,2,4-Trimethylbenzene	16.58	10.12	1.638	ok	1.638	1.578-1.698
1,3,5-Trimethylbenzene	16.00	10.12	1.581	ok	1.581	1.521-1.641
2,2,4-Trimethylpentane	5.21	4.55	1.145	ok	1.147	1.087-1.207
Tertiary Butyl Alcohol	2.45	3.27	0.749	ok	0.743	0.683-0.803
Tetrachloroethylene	8.99	4.55	1.976	ok	1.977	1.917-2.037
Tetrahydrofuran	3.59	3.27	1.098	ok	1.091	1.031-1.151
Toluene	7.26	4.55	1.596	ok	1.596	1.536-1.656
Trichloroethylene	5.12	4.55	1.125	ok	1.126	1.066-1.186
Trichlorofluoromethane	2.19	3.27	0.670	ok	0.669	0.609-0.729
Vinyl chloride	1.79	3.27	0.547	ok	0.547	0.487-0.607
Vinyl Acetate	2.90	3.27	0.887	ok	0.888	0.828-0.948
m,p-Xylene	11.50	10.12	1.136	ok	1.137	1.077-1.197
o-Xylene	12.44	10.12	1.229	ok	1.229	1.169-1.289
TVHC As Equiv Pentane	2.30	10.12	0.227	ok	0.227	0.167-0.287

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.27	ok	3.27	2.94-3.60	83993	ok	80511	48307-112715
1,4-Difluorobenzene	4.55	ok	4.55	4.22-4.88	426374	ok	406483	243890-569076
Chlorobenzene-D5	10.12	ok	10.12	9.79-10.45	372534	ok	359712	215827-503597

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	Reporting this level
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.14	3.27	0.654	ok	0.653	0.593-0.713
Acrolein	2.09	3.27	0.639	ok	0.640	0.580-0.700
Acrylonitrile	2.28	3.27	0.697	ok	0.696	0.636-0.756
Acetonitrile	2.06	3.27	0.630	ok	0.627	0.567-0.687
1,3-Butadiene	1.83	3.27	0.560	ok	0.560	0.500-0.620
Benzene	4.22	3.27	1.291	ok	1.293	1.233-1.353
Bromobenzene	13.82	10.12	1.366	ok	1.366	1.306-1.426
Bromodichloromethane	5.06	4.55	1.112	ok	1.114	1.054-1.174
Bromoform	11.32	10.12	1.119	ok	1.118	1.058-1.178
Bromomethane	1.91	3.27	0.584	ok	0.584	0.524-0.644
Bromoethene	2.06	3.27	0.630	ok	0.630	0.570-0.690
n-Butane	1.85	3.27	0.566	ok	0.566	0.506-0.626
Benzyl Chloride	16.67	10.12	1.647	ok	1.647	1.587-1.707
n-Butylbenzene	17.43	10.12	1.722	ok	1.722	1.662-1.782
sec-Butylbenzene	16.87	10.12	1.667	ok	1.667	1.607-1.727
tert-Butylbenzene	16.57	10.12	1.637	ok	1.637	1.577-1.697
Carbon disulfide	2.52	3.27	0.771	ok	0.771	0.711-0.831
Chlorobenzene	10.20	10.12	1.008	ok	1.008	0.948-1.068
Chlorodifluoromethane	1.66	3.27	0.508	ok	0.508	0.448-0.568
Chloroethane	1.96	3.27	0.599	ok	0.599	0.539-0.659
Chlorotrifluoroethene	1.67	3.27	0.511	ok	0.511	0.451-0.571
Chloroform	3.34	3.27	1.021	ok	1.022	0.962-1.082
Chloromethane	1.73	3.27	0.529	ok	0.529	0.469-0.589
3-Chloropropene	2.47	3.27	0.755	ok	0.755	0.695-0.815
2-Chlorotoluene	14.95	10.12	1.477	ok	1.477	1.417-1.537
Carbon tetrachloride	4.34	3.27	1.327	ok	1.326	1.266-1.386
Cyclohexane	4.43	4.55	0.974	ok	0.974	0.914-1.034
1,1-Dichloroethane	2.83	3.27	0.865	ok	0.865	0.805-0.925
1,1-Dichloroethylene	2.39	3.27	0.731	ok	0.731	0.671-0.791
1,2-Dibromoethane (EDB)	8.14	4.55	1.789	ok	1.789	1.729-1.849
1,2-Dichloroethane	3.75	3.27	1.147	ok	1.147	1.087-1.207
1,2-Dichloropropane	4.89	4.55	1.075	ok	1.074	1.014-1.134
1,3-Dichloropropane	7.32	4.55	1.609	ok	1.609	1.549-1.669
1,4-Dioxane	5.22	4.55	1.147	ok	1.137	1.077-1.197
Dichlorodifluoromethane	1.69	3.27	0.517	ok	0.517	0.457-0.577
Dichlorofluoromethane	1.98	3.27	0.606	ok	0.606	0.546-0.666
Dibromochloromethane	7.79	4.55	1.712	ok	1.713	1.653-1.773
Dibromomethane	4.85	4.55	1.066	ok	1.066	1.006-1.126
trans-1,2-Dichloroethylene	2.75	3.27	0.841	ok	0.841	0.781-0.901

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	Reporting this level
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.19	3.27	0.976	ok	0.976	0.916-1.036
cis-1,3-Dichloropropene	6.06	4.55	1.332	ok	1.332	1.272-1.392
m-Dichlorobenzene	16.64	10.12	1.644	ok	1.644	1.584-1.704
o-Dichlorobenzene	17.04	10.12	1.684	ok	1.684	1.624-1.744
p-Dichlorobenzene	16.73	10.12	1.653	ok	1.653	1.593-1.713
trans-1,3-Dichloropropene	6.74	4.55	1.481	ok	1.481	1.421-1.541
Di-Isopropyl ether	3.34	3.27	1.021	ok	1.020	0.960-1.080
2,3-Dimethylpentane	4.68	4.55	1.029	ok	1.030	0.970-1.090
2,4-Dimethylpentane	3.84	3.27	1.174	ok	1.173	1.113-1.233
Ethanol	2.00	3.27	0.612	ok	0.610	0.550-0.670
Ethylbenzene	11.08	10.12	1.095	ok	1.095	1.035-1.155
Ethyl Acetate	3.34	3.27	1.021	ok	1.020	0.960-1.080
Ethyl Acrylate	5.02	4.55	1.103	ok	1.103	1.043-1.163
4-Ethyltoluene	15.75	10.12	1.556	ok	1.555	1.495-1.615
Freon 113	2.52	3.27	0.771	ok	0.771	0.711-0.831
Freon 114	1.76	3.27	0.538	ok	0.538	0.478-0.598
Freon 115	1.62	3.27	0.495	ok	0.494	0.434-0.554
Freon 123	2.10	3.27	0.642	ok	0.643	0.583-0.703
Freon 123A	2.12	3.27	0.648	ok	0.649	0.589-0.709
Freon 142B	1.72	3.27	0.526	ok	0.527	0.467-0.587
Freon 152A	1.65	3.27	0.505	ok	0.504	0.444-0.564
Heptane	5.53	4.55	1.215	ok	1.216	1.156-1.276
Hexachlorobutadiene	18.66	10.12	1.844	ok	1.843	1.783-1.903
Hexachloroethane	17.60	10.12	1.739	ok	1.739	1.679-1.799
Hexane	3.32	3.27	1.015	ok	1.015	0.955-1.075
2-Hexanone	7.89	4.55	1.734	ok	1.729	1.669-1.789
Iodomethane	2.36	3.27	0.722	ok	0.722	0.662-0.782
Isopropylbenzene	13.96	10.12	1.379	ok	1.379	1.319-1.439
Isopropyl Alcohol	2.23	3.27	0.682	ok	0.679	0.619-0.739
p-Isopropyltoluene	17.07	10.12	1.687	ok	1.686	1.626-1.746
Methylene chloride	2.42	3.27	0.740	ok	0.742	0.682-0.802
Methyl ethyl ketone	3.01	3.27	0.920	ok	0.919	0.859-0.979
Methyl Isobutyl Ketone	6.22	4.55	1.367	ok	1.360	1.300-1.420
Methyl Tert Butyl Ether	2.87	3.27	0.878	ok	0.877	0.817-0.937
Methylmethacrylate	5.44	4.55	1.196	ok	1.195	1.135-1.255
Naphthalene	18.40	10.12	1.818	ok	1.818	1.758-1.878
Nonane	13.56	10.12	1.340	ok	1.340	1.280-1.400
Octane	9.14	4.55	2.009	ok	2.009	1.949-2.069
Pentane	2.30	3.27	0.703	ok	0.704	0.644-0.764

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	Reporting this level
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
n-Propylbenzene	15.31	10.12	1.513	ok	1.512	1.452-1.572
Propylene	1.67	3.27	0.511	ok	0.511	0.451-0.571
Styrene	12.23	10.12	1.208	ok	1.208	1.148-1.268
1,1,1-Trichloroethane	3.91	3.27	1.196	ok	1.196	1.136-1.256
1,1,1,2-Tetrachloroethane	10.21	10.12	1.009	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	12.45	10.12	1.230	ok	1.231	1.171-1.291
1,1,2-Trichloroethane	6.89	4.55	1.514	ok	1.515	1.455-1.575
1,2,4-Trichlorobenzene	18.35	10.12	1.813	ok	1.813	1.753-1.873
1,2,3-Trichloropropane	12.74	10.12	1.259	ok	1.259	1.199-1.319
1,2,3-Trimethylbenzene	16.99	10.12	1.679	ok	1.679	1.619-1.739
1,2,4-Trimethylbenzene	16.58	10.12	1.638	ok	1.638	1.578-1.698
1,3,5-Trimethylbenzene	15.99	10.12	1.580	ok	1.581	1.521-1.641
2,2,4-Trimethylpentane	5.22	4.55	1.147	ok	1.147	1.087-1.207
Tertiary Butyl Alcohol	2.45	3.27	0.749	ok	0.743	0.683-0.803
Tetrachloroethylene	8.99	4.55	1.976	ok	1.977	1.917-2.037
Tetrahydrofuran	3.58	3.27	1.095	ok	1.091	1.031-1.151
Toluene	7.26	4.55	1.596	ok	1.596	1.536-1.656
Trichloroethylene	5.12	4.55	1.125	ok	1.126	1.066-1.186
Trichlorofluoromethane	2.19	3.27	0.670	ok	0.669	0.609-0.729
Vinyl chloride	1.79	3.27	0.547	ok	0.547	0.487-0.607
Vinyl Acetate	2.91	3.27	0.890	ok	0.888	0.828-0.948
m,p-Xylene	11.50	10.12	1.136	ok	1.137	1.077-1.197
o-Xylene	12.45	10.12	1.230	ok	1.229	1.169-1.289
TVHC As Equiv Pentane	2.30	10.12	0.227	ok	0.227	0.167-0.287

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.27	ok	3.27	2.94-3.60	81591	ok	80511	48307-112715
1,4-Difluorobenzene	4.55	ok	4.55	4.22-4.88	417480	ok	406483	243890-569076
Chlorobenzene-D5	10.12	ok	10.12	9.79-10.45	367012	ok	359712	215827-503597

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	Reporting this level
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.14	3.27	0.654	ok	0.653	0.593-0.713
Acrolein	2.09	3.27	0.639	ok	0.640	0.580-0.700
Acrylonitrile	2.27	3.27	0.694	ok	0.696	0.636-0.756
Acetonitrile	2.05	3.27	0.627	ok	0.627	0.567-0.687
1,3-Butadiene	1.83	3.27	0.560	ok	0.560	0.500-0.620
Benzene	4.22	3.27	1.291	ok	1.293	1.233-1.353
Bromobenzene	13.82	10.12	1.366	ok	1.366	1.306-1.426
Bromodichloromethane	5.07	4.55	1.114	ok	1.114	1.054-1.174
Bromoform	11.32	10.12	1.119	ok	1.118	1.058-1.178
Bromomethane	1.91	3.27	0.584	ok	0.584	0.524-0.644
Bromoethene	2.06	3.27	0.630	ok	0.630	0.570-0.690
n-Butane	1.85	3.27	0.566	ok	0.566	0.506-0.626
Benzyl Chloride	16.67	10.12	1.647	ok	1.647	1.587-1.707
n-Butylbenzene	17.42	10.12	1.721	ok	1.722	1.662-1.782
sec-Butylbenzene	16.87	10.12	1.667	ok	1.667	1.607-1.727
tert-Butylbenzene	16.57	10.12	1.637	ok	1.637	1.577-1.697
Carbon disulfide	2.52	3.27	0.771	ok	0.771	0.711-0.831
Chlorobenzene	10.20	10.12	1.008	ok	1.008	0.948-1.068
Chlorodifluoromethane	1.66	3.27	0.508	ok	0.508	0.448-0.568
Chloroethane	1.96	3.27	0.599	ok	0.599	0.539-0.659
Chlorotrifluoroethene	1.67	3.27	0.511	ok	0.511	0.451-0.571
Chloroform	3.34	3.27	1.021	ok	1.022	0.962-1.082
Chloromethane	1.73	3.27	0.529	ok	0.529	0.469-0.589
3-Chloropropene	2.47	3.27	0.755	ok	0.755	0.695-0.815
2-Chlorotoluene	14.95	10.12	1.477	ok	1.477	1.417-1.537
Carbon tetrachloride	4.33	3.27	1.324	ok	1.326	1.266-1.386
Cyclohexane	4.43	4.55	0.974	ok	0.974	0.914-1.034
1,1-Dichloroethane	2.83	3.27	0.865	ok	0.865	0.805-0.925
1,1-Dichloroethylene	2.39	3.27	0.731	ok	0.731	0.671-0.791
1,2-Dibromoethane (EDB)	8.13	4.55	1.787	ok	1.789	1.729-1.849
1,2-Dichloroethane	3.75	3.27	1.147	ok	1.147	1.087-1.207
1,2-Dichloropropane	4.89	4.55	1.075	ok	1.074	1.014-1.134
1,3-Dichloropropane	7.32	4.55	1.609	ok	1.609	1.549-1.669
1,4-Dioxane	5.21	4.55	1.145	ok	1.137	1.077-1.197
Dichlorodifluoromethane	1.69	3.27	0.517	ok	0.517	0.457-0.577
Dichlorofluoromethane	1.98	3.27	0.606	ok	0.606	0.546-0.666
Dibromochloromethane	7.79	4.55	1.712	ok	1.713	1.653-1.773
Dibromomethane	4.85	4.55	1.066	ok	1.066	1.006-1.126
trans-1,2-Dichloroethylene	2.75	3.27	0.841	ok	0.841	0.781-0.901

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	Reporting this level
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.19	3.27	0.976	ok	0.976	0.916-1.036
cis-1,3-Dichloropropene	6.06	4.55	1.332	ok	1.332	1.272-1.392
m-Dichlorobenzene	16.64	10.12	1.644	ok	1.644	1.584-1.704
o-Dichlorobenzene	17.04	10.12	1.684	ok	1.684	1.624-1.744
p-Dichlorobenzene	16.73	10.12	1.653	ok	1.653	1.593-1.713
trans-1,3-Dichloropropene	6.74	4.55	1.481	ok	1.481	1.421-1.541
Di-Isopropyl ether	3.34	3.27	1.021	ok	1.020	0.960-1.080
2,3-Dimethylpentane	4.69	4.55	1.031	ok	1.030	0.970-1.090
2,4-Dimethylpentane	3.83	3.27	1.171	ok	1.173	1.113-1.233
Ethanol	1.99	3.27	0.609	ok	0.610	0.550-0.670
Ethylbenzene	11.08	10.12	1.095	ok	1.095	1.035-1.155
Ethyl Acetate	3.34	3.27	1.021	ok	1.020	0.960-1.080
Ethyl Acrylate	5.02	4.55	1.103	ok	1.103	1.043-1.163
4-Ethyltoluene	15.75	10.12	1.556	ok	1.555	1.495-1.615
Freon 113	2.52	3.27	0.771	ok	0.771	0.711-0.831
Freon 114	1.76	3.27	0.538	ok	0.538	0.478-0.598
Freon 115	1.61	3.27	0.492	ok	0.494	0.434-0.554
Freon 123	2.10	3.27	0.642	ok	0.643	0.583-0.703
Freon 123A	2.12	3.27	0.648	ok	0.649	0.589-0.709
Freon 142B	1.72	3.27	0.526	ok	0.527	0.467-0.587
Freon 152A	1.64	3.27	0.502	ok	0.504	0.444-0.564
Heptane	5.53	4.55	1.215	ok	1.216	1.156-1.276
Hexachlorobutadiene	18.66	10.12	1.844	ok	1.843	1.783-1.903
Hexachloroethane	17.60	10.12	1.739	ok	1.739	1.679-1.799
Hexane	3.32	3.27	1.015	ok	1.015	0.955-1.075
2-Hexanone	7.88	4.55	1.732	ok	1.729	1.669-1.789
Iodomethane	2.36	3.27	0.722	ok	0.722	0.662-0.782
Isopropylbenzene	13.95	10.12	1.378	ok	1.379	1.319-1.439
Isopropyl Alcohol	2.23	3.27	0.682	ok	0.679	0.619-0.739
p-Isopropyltoluene	17.06	10.12	1.686	ok	1.686	1.626-1.746
Methylene chloride	2.42	3.27	0.740	ok	0.742	0.682-0.802
Methyl ethyl ketone	3.01	3.27	0.920	ok	0.919	0.859-0.979
Methyl Isobutyl Ketone	6.20	4.55	1.363	ok	1.360	1.300-1.420
Methyl Tert Butyl Ether	2.87	3.27	0.878	ok	0.877	0.817-0.937
Methylmethacrylate	5.44	4.55	1.196	ok	1.195	1.135-1.255
Naphthalene	18.40	10.12	1.818	ok	1.818	1.758-1.878
Nonane	13.56	10.12	1.340	ok	1.340	1.280-1.400
Octane	9.14	4.55	2.009	ok	2.009	1.949-2.069
Pentane	2.30	3.27	0.703	ok	0.704	0.644-0.764

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	Reporting this level
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
n-Propylbenzene	15.30	10.12	1.512	ok	1.512	1.452-1.572
Propylene	1.67	3.27	0.511	ok	0.511	0.451-0.571
Styrene	12.23	10.12	1.208	ok	1.208	1.148-1.268
1,1,1-Trichloroethane	3.91	3.27	1.196	ok	1.196	1.136-1.256
1,1,1,2-Tetrachloroethane	10.20	10.12	1.008	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	12.45	10.12	1.230	ok	1.231	1.171-1.291
1,1,2-Trichloroethane	6.89	4.55	1.514	ok	1.515	1.455-1.575
1,2,4-Trichlorobenzene	18.35	10.12	1.813	ok	1.813	1.753-1.873
1,2,3-Trichloropropane	12.74	10.12	1.259	ok	1.259	1.199-1.319
1,2,3-Trimethylbenzene	16.99	10.12	1.679	ok	1.679	1.619-1.739
1,2,4-Trimethylbenzene	16.58	10.12	1.638	ok	1.638	1.578-1.698
1,3,5-Trimethylbenzene	15.99	10.12	1.580	ok	1.581	1.521-1.641
2,2,4-Trimethylpentane	5.21	4.55	1.145	ok	1.147	1.087-1.207
Tertiary Butyl Alcohol	2.44	3.27	0.746	ok	0.743	0.683-0.803
Tetrachloroethylene	9.00	4.55	1.978	ok	1.977	1.917-2.037
Tetrahydrofuran	3.58	3.27	1.095	ok	1.091	1.031-1.151
Toluene	7.26	4.55	1.596	ok	1.596	1.536-1.656
Trichloroethylene	5.12	4.55	1.125	ok	1.126	1.066-1.186
Trichlorofluoromethane	2.18	3.27	0.667	ok	0.669	0.609-0.729
Vinyl chloride	1.79	3.27	0.547	ok	0.547	0.487-0.607
Vinyl Acetate	2.90	3.27	0.887	ok	0.888	0.828-0.948
m,p-Xylene	11.51	10.12	1.137	ok	1.137	1.077-1.197
o-Xylene	12.44	10.12	1.229	ok	1.229	1.169-1.289
TVHC As Equiv Pentane	2.30	10.12	0.227	ok	0.227	0.167-0.287

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.27	ok	3.27	2.94-3.60	79966	ok	80511	48307-112715
1,4-Difluorobenzene	4.55	ok	4.55	4.22-4.88	410941	ok	406483	243890-569076
Chlorobenzene-D5	10.12	ok	10.12	9.79-10.45	362110	ok	359712	215827-503597

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	Reporting this level
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.14	3.27	0.654	ok	0.653	0.593-0.713
Acrolein	2.09	3.27	0.639	ok	0.640	0.580-0.700
Acrylonitrile	2.28	3.27	0.697	ok	0.696	0.636-0.756
Acetonitrile	2.05	3.27	0.627	ok	0.627	0.567-0.687
1,3-Butadiene	1.83	3.27	0.560	ok	0.560	0.500-0.620
Benzene	4.23	3.27	1.294	ok	1.293	1.233-1.353
Bromobenzene	13.82	10.12	1.366	ok	1.366	1.306-1.426
Bromodichloromethane	5.07	4.55	1.114	ok	1.114	1.054-1.174
Bromoform	11.32	10.12	1.119	ok	1.118	1.058-1.178
Bromomethane	1.91	3.27	0.584	ok	0.584	0.524-0.644
Bromoethene	2.06	3.27	0.630	ok	0.630	0.570-0.690
n-Butane	1.85	3.27	0.566	ok	0.566	0.506-0.626
Benzyl Chloride	16.67	10.12	1.647	ok	1.647	1.587-1.707
n-Butylbenzene	17.42	10.12	1.721	ok	1.722	1.662-1.782
sec-Butylbenzene	16.87	10.12	1.667	ok	1.667	1.607-1.727
tert-Butylbenzene	16.57	10.12	1.637	ok	1.637	1.577-1.697
Carbon disulfide	2.52	3.27	0.771	ok	0.771	0.711-0.831
Chlorobenzene	10.20	10.12	1.008	ok	1.008	0.948-1.068
Chlorodifluoromethane	1.66	3.27	0.508	ok	0.508	0.448-0.568
Chloroethane	1.96	3.27	0.599	ok	0.599	0.539-0.659
Chlorotrifluoroethene	1.67	3.27	0.511	ok	0.511	0.451-0.571
Chloroform	3.34	3.27	1.021	ok	1.022	0.962-1.082
Chloromethane	1.73	3.27	0.529	ok	0.529	0.469-0.589
3-Chloropropene	2.47	3.27	0.755	ok	0.755	0.695-0.815
2-Chlorotoluene	14.95	10.12	1.477	ok	1.477	1.417-1.537
Carbon tetrachloride	4.34	3.27	1.327	ok	1.326	1.266-1.386
Cyclohexane	4.43	4.55	0.974	ok	0.974	0.914-1.034
1,1-Dichloroethane	2.83	3.27	0.865	ok	0.865	0.805-0.925
1,1-Dichloroethylene	2.39	3.27	0.731	ok	0.731	0.671-0.791
1,2-Dibromoethane (EDB)	8.14	4.55	1.789	ok	1.789	1.729-1.849
1,2-Dichloroethane	3.75	3.27	1.147	ok	1.147	1.087-1.207
1,2-Dichloropropane	4.89	4.55	1.075	ok	1.074	1.014-1.134
1,3-Dichloropropane	7.32	4.55	1.609	ok	1.609	1.549-1.669
1,4-Dioxane	5.16	4.55	1.134	ok	1.137	1.077-1.197
Dichlorodifluoromethane	1.69	3.27	0.517	ok	0.517	0.457-0.577
Dichlorofluoromethane	1.98	3.27	0.606	ok	0.606	0.546-0.666
Dibromochloromethane	7.79	4.55	1.712	ok	1.713	1.653-1.773
Dibromomethane	4.85	4.55	1.066	ok	1.066	1.006-1.126
trans-1,2-Dichloroethylene	2.75	3.27	0.841	ok	0.841	0.781-0.901

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	Reporting this level
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.19	3.27	0.976	ok	0.976	0.916-1.036
cis-1,3-Dichloropropene	6.06	4.55	1.332	ok	1.332	1.272-1.392
m-Dichlorobenzene	16.64	10.12	1.644	ok	1.644	1.584-1.704
o-Dichlorobenzene	17.04	10.12	1.684	ok	1.684	1.624-1.744
p-Dichlorobenzene	16.73	10.12	1.653	ok	1.653	1.593-1.713
trans-1,3-Dichloropropene	6.73	4.55	1.479	ok	1.481	1.421-1.541
Di-Isopropyl ether	3.33	3.27	1.018	ok	1.020	0.960-1.080
2,3-Dimethylpentane	4.69	4.55	1.031	ok	1.030	0.970-1.090
2,4-Dimethylpentane	3.83	3.27	1.171	ok	1.173	1.113-1.233
Ethanol	1.99	3.27	0.609	ok	0.610	0.550-0.670
Ethylbenzene	11.08	10.12	1.095	ok	1.095	1.035-1.155
Ethyl Acetate	3.33	3.27	1.018	ok	1.020	0.960-1.080
Ethyl Acrylate	5.01	4.55	1.101	ok	1.103	1.043-1.163
4-Ethyltoluene	15.74	10.12	1.555	ok	1.555	1.495-1.615
Freon 113	2.52	3.27	0.771	ok	0.771	0.711-0.831
Freon 114	1.76	3.27	0.538	ok	0.538	0.478-0.598
Freon 115	1.62	3.27	0.495	ok	0.494	0.434-0.554
Freon 123	2.11	3.27	0.645	ok	0.643	0.583-0.703
Freon 123A	2.12	3.27	0.648	ok	0.649	0.589-0.709
Freon 142B	1.73	3.27	0.529	ok	0.527	0.467-0.587
Freon 152A	1.65	3.27	0.505	ok	0.504	0.444-0.564
Heptane	5.53	4.55	1.215	ok	1.216	1.156-1.276
Hexachlorobutadiene	18.66	10.12	1.844	ok	1.843	1.783-1.903
Hexachloroethane	17.60	10.12	1.739	ok	1.739	1.679-1.799
Hexane	3.32	3.27	1.015	ok	1.015	0.955-1.075
2-Hexanone	7.86	4.55	1.727	ok	1.729	1.669-1.789
Iodomethane	2.36	3.27	0.722	ok	0.722	0.662-0.782
Isopropylbenzene	13.95	10.12	1.378	ok	1.379	1.319-1.439
Isopropyl Alcohol	2.22	3.27	0.679	ok	0.679	0.619-0.739
p-Isopropyltoluene	17.06	10.12	1.686	ok	1.686	1.626-1.746
Methylene chloride	2.43	3.27	0.743	ok	0.742	0.682-0.802
Methyl ethyl ketone	3.00	3.27	0.917	ok	0.919	0.859-0.979
Methyl Isobutyl Ketone	6.18	4.55	1.358	ok	1.360	1.300-1.420
Methyl Tert Butyl Ether	2.87	3.27	0.878	ok	0.877	0.817-0.937
Methylmethacrylate	5.43	4.55	1.193	ok	1.195	1.135-1.255
Naphthalene	18.40	10.12	1.818	ok	1.818	1.758-1.878
Nonane	13.56	10.12	1.340	ok	1.340	1.280-1.400
Octane	9.14	4.55	2.009	ok	2.009	1.949-2.069
Pentane	2.30	3.27	0.703	ok	0.704	0.644-0.764

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	Reporting this level
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
n-Propylbenzene	15.30	10.12	1.512	ok	1.512	1.452-1.572
Propylene	1.67	3.27	0.511	ok	0.511	0.451-0.571
Styrene	12.23	10.12	1.208	ok	1.208	1.148-1.268
1,1,1-Trichloroethane	3.91	3.27	1.196	ok	1.196	1.136-1.256
1,1,1,2-Tetrachloroethane	10.21	10.12	1.009	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	12.45	10.12	1.230	ok	1.231	1.171-1.291
1,1,2-Trichloroethane	6.89	4.55	1.514	ok	1.515	1.455-1.575
1,2,4-Trichlorobenzene	18.35	10.12	1.813	ok	1.813	1.753-1.873
1,2,3-Trichloropropane	12.74	10.12	1.259	ok	1.259	1.199-1.319
1,2,3-Trimethylbenzene	16.99	10.12	1.679	ok	1.679	1.619-1.739
1,2,4-Trimethylbenzene	16.58	10.12	1.638	ok	1.638	1.578-1.698
1,3,5-Trimethylbenzene	16.00	10.12	1.581	ok	1.581	1.521-1.641
2,2,4-Trimethylpentane	5.22	4.55	1.147	ok	1.147	1.087-1.207
Tertiary Butyl Alcohol	2.43	3.27	0.743	ok	0.743	0.683-0.803
Tetrachloroethylene	8.99	4.55	1.976	ok	1.977	1.917-2.037
Tetrahydrofuran	3.56	3.27	1.089	ok	1.091	1.031-1.151
Toluene	7.26	4.55	1.596	ok	1.596	1.536-1.656
Trichloroethylene	5.12	4.55	1.125	ok	1.126	1.066-1.186
Trichlorofluoromethane	2.19	3.27	0.670	ok	0.669	0.609-0.729
Vinyl chloride	1.79	3.27	0.547	ok	0.547	0.487-0.607
Vinyl Acetate	2.90	3.27	0.887	ok	0.888	0.828-0.948
m,p-Xylene	11.50	10.12	1.136	ok	1.137	1.077-1.197
o-Xylene	12.44	10.12	1.229	ok	1.229	1.169-1.289
TVHC As Equiv Pentane	2.30	10.12	0.227	ok	0.227	0.167-0.287

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.27	ok	3.27	2.94-3.60	81466	ok	80511	48307-112715
1,4-Difluorobenzene	4.55	ok	4.55	4.22-4.88	410025	ok	406483	243890-569076
Chlorobenzene-D5	10.12	ok	10.12	9.79-10.45	361102	ok	359712	215827-503597

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	Reporting this level
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.13	3.27	0.651	ok	0.653	0.593-0.713
Acrolein	2.09	3.27	0.639	ok	0.640	0.580-0.700
Acrylonitrile	2.27	3.27	0.694	ok	0.696	0.636-0.756
Acetonitrile	2.05	3.27	0.627	ok	0.627	0.567-0.687
1,3-Butadiene	1.83	3.27	0.560	ok	0.560	0.500-0.620
Benzene	4.23	3.27	1.294	ok	1.293	1.233-1.353
Bromobenzene	13.82	10.12	1.366	ok	1.366	1.306-1.426
Bromodichloromethane	5.07	4.55	1.114	ok	1.114	1.054-1.174
Bromoform	11.32	10.12	1.119	ok	1.118	1.058-1.178
Bromomethane	1.91	3.27	0.584	ok	0.584	0.524-0.644
Bromoethene	2.06	3.27	0.630	ok	0.630	0.570-0.690
n-Butane	1.85	3.27	0.566	ok	0.566	0.506-0.626
Benzyl Chloride	16.67	10.12	1.647	ok	1.647	1.587-1.707
n-Butylbenzene	17.42	10.12	1.721	ok	1.722	1.662-1.782
sec-Butylbenzene	16.87	10.12	1.667	ok	1.667	1.607-1.727
tert-Butylbenzene	16.57	10.12	1.637	ok	1.637	1.577-1.697
Carbon disulfide	2.52	3.27	0.771	ok	0.771	0.711-0.831
Chlorobenzene	10.20	10.12	1.008	ok	1.008	0.948-1.068
Chlorodifluoromethane	1.66	3.27	0.508	ok	0.508	0.448-0.568
Chloroethane	1.96	3.27	0.599	ok	0.599	0.539-0.659
Chlorotrifluoroethene	1.67	3.27	0.511	ok	0.511	0.451-0.571
Chloroform	3.34	3.27	1.021	ok	1.022	0.962-1.082
Chloromethane	1.73	3.27	0.529	ok	0.529	0.469-0.589
3-Chloropropene	2.47	3.27	0.755	ok	0.755	0.695-0.815
2-Chlorotoluene	14.95	10.12	1.477	ok	1.477	1.417-1.537
Carbon tetrachloride	4.33	3.27	1.324	ok	1.326	1.266-1.386
Cyclohexane	4.43	4.55	0.974	ok	0.974	0.914-1.034
1,1-Dichloroethane	2.83	3.27	0.865	ok	0.865	0.805-0.925
1,1-Dichloroethylene	2.39	3.27	0.731	ok	0.731	0.671-0.791
1,2-Dibromoethane (EDB)	8.14	4.55	1.789	ok	1.789	1.729-1.849
1,2-Dichloroethane	3.75	3.27	1.147	ok	1.147	1.087-1.207
1,2-Dichloropropane	4.89	4.55	1.075	ok	1.074	1.014-1.134
1,3-Dichloropropane	7.32	4.55	1.609	ok	1.609	1.549-1.669
1,4-Dioxane	5.15	4.55	1.132	ok	1.137	1.077-1.197
Dichlorodifluoromethane	1.69	3.27	0.517	ok	0.517	0.457-0.577
Dichlorofluoromethane	1.98	3.27	0.606	ok	0.606	0.546-0.666
Dibromochloromethane	7.80	4.55	1.714	ok	1.713	1.653-1.773
Dibromomethane	4.85	4.55	1.066	ok	1.066	1.006-1.126
trans-1,2-Dichloroethylene	2.75	3.27	0.841	ok	0.841	0.781-0.901

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	Reporting this level
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.19	3.27	0.976	ok	0.976	0.916-1.036
cis-1,3-Dichloropropene	6.06	4.55	1.332	ok	1.332	1.272-1.392
m-Dichlorobenzene	16.64	10.12	1.644	ok	1.644	1.584-1.704
o-Dichlorobenzene	17.04	10.12	1.684	ok	1.684	1.624-1.744
p-Dichlorobenzene	16.73	10.12	1.653	ok	1.653	1.593-1.713
trans-1,3-Dichloropropene	6.74	4.55	1.481	ok	1.481	1.421-1.541
Di-Isopropyl ether	3.33	3.27	1.018	ok	1.020	0.960-1.080
2,3-Dimethylpentane	4.69	4.55	1.031	ok	1.030	0.970-1.090
2,4-Dimethylpentane	3.83	3.27	1.171	ok	1.173	1.113-1.233
Ethanol	1.99	3.27	0.609	ok	0.610	0.550-0.670
Ethylbenzene	11.08	10.12	1.095	ok	1.095	1.035-1.155
Ethyl Acetate	3.33	3.27	1.018	ok	1.020	0.960-1.080
Ethyl Acrylate	5.01	4.55	1.101	ok	1.103	1.043-1.163
4-Ethyltoluene	15.74	10.12	1.555	ok	1.555	1.495-1.615
Freon 113	2.52	3.27	0.771	ok	0.771	0.711-0.831
Freon 114	1.76	3.27	0.538	ok	0.538	0.478-0.598
Freon 115	1.62	3.27	0.495	ok	0.494	0.434-0.554
Freon 123	2.10	3.27	0.642	ok	0.643	0.583-0.703
Freon 123A	2.12	3.27	0.648	ok	0.649	0.589-0.709
Freon 142B	1.72	3.27	0.526	ok	0.527	0.467-0.587
Freon 152A	1.65	3.27	0.505	ok	0.504	0.444-0.564
Heptane	5.53	4.55	1.215	ok	1.216	1.156-1.276
Hexachlorobutadiene	18.66	10.12	1.844	ok	1.843	1.783-1.903
Hexachloroethane	17.60	10.12	1.739	ok	1.739	1.679-1.799
Hexane	3.32	3.27	1.015	ok	1.015	0.955-1.075
2-Hexanone	7.85	4.55	1.725	ok	1.729	1.669-1.789
Iodomethane	2.36	3.27	0.722	ok	0.722	0.662-0.782
Isopropylbenzene	13.96	10.12	1.379	ok	1.379	1.319-1.439
Isopropyl Alcohol	2.21	3.27	0.676	ok	0.679	0.619-0.739
p-Isopropyltoluene	17.06	10.12	1.686	ok	1.686	1.626-1.746
Methylene chloride	2.43	3.27	0.743	ok	0.742	0.682-0.802
Methyl ethyl ketone	3.00	3.27	0.917	ok	0.919	0.859-0.979
Methyl Isobutyl Ketone	6.18	4.55	1.358	ok	1.360	1.300-1.420
Methyl Tert Butyl Ether	2.87	3.27	0.878	ok	0.877	0.817-0.937
Methylmethacrylate	5.43	4.55	1.193	ok	1.195	1.135-1.255
Naphthalene	18.40	10.12	1.818	ok	1.818	1.758-1.878
Nonane	13.57	10.12	1.341	ok	1.340	1.280-1.400
Octane	9.14	4.55	2.009	ok	2.009	1.949-2.069
Pentane	2.30	3.27	0.703	ok	0.704	0.644-0.764

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	Reporting this level
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
n-Propylbenzene	15.30	10.12	1.512	ok	1.512	1.452-1.572
Propylene	1.67	3.27	0.511	ok	0.511	0.451-0.571
Styrene	12.23	10.12	1.208	ok	1.208	1.148-1.268
1,1,1-Trichloroethane	3.91	3.27	1.196	ok	1.196	1.136-1.256
1,1,1,2-Tetrachloroethane	10.21	10.12	1.009	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	12.46	10.12	1.231	ok	1.231	1.171-1.291
1,1,2-Trichloroethane	6.89	4.55	1.514	ok	1.515	1.455-1.575
1,2,4-Trichlorobenzene	18.35	10.12	1.813	ok	1.813	1.753-1.873
1,2,3-Trichloropropane	12.74	10.12	1.259	ok	1.259	1.199-1.319
1,2,3-Trimethylbenzene	16.99	10.12	1.679	ok	1.679	1.619-1.739
1,2,4-Trimethylbenzene	16.58	10.12	1.638	ok	1.638	1.578-1.698
1,3,5-Trimethylbenzene	16.00	10.12	1.581	ok	1.581	1.521-1.641
2,2,4-Trimethylpentane	5.22	4.55	1.147	ok	1.147	1.087-1.207
Tertiary Butyl Alcohol	2.42	3.27	0.740	ok	0.743	0.683-0.803
Tetrachloroethylene	8.99	4.55	1.976	ok	1.977	1.917-2.037
Tetrahydrofuran	3.56	3.27	1.089	ok	1.091	1.031-1.151
Toluene	7.26	4.55	1.596	ok	1.596	1.536-1.656
Trichloroethylene	5.12	4.55	1.125	ok	1.126	1.066-1.186
Trichlorofluoromethane	2.19	3.27	0.670	ok	0.669	0.609-0.729
Vinyl chloride	1.79	3.27	0.547	ok	0.547	0.487-0.607
Vinyl Acetate	2.90	3.27	0.887	ok	0.888	0.828-0.948
m,p-Xylene	11.51	10.12	1.137	ok	1.137	1.077-1.197
o-Xylene	12.44	10.12	1.229	ok	1.229	1.169-1.289
TVHC As Equiv Pentane	2.30	10.12	0.227	ok	0.227	0.167-0.287

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.27	ok	3.27	2.94-3.60	76492	ok	80511	48307-112715
1,4-Difluorobenzene	4.55	ok	4.55	4.22-4.88	388370	ok	406483	243890-569076
Chlorobenzene-D5	10.12	ok	10.12	9.79-10.45	349697	ok	359712	215827-503597

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	Reporting this level
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.13	3.27	0.651	ok	0.653	0.593-0.713
Acrolein	2.09	3.27	0.639	ok	0.640	0.580-0.700
Acrylonitrile	2.27	3.27	0.694	ok	0.696	0.636-0.756
Acetonitrile	2.05	3.27	0.627	ok	0.627	0.567-0.687
1,3-Butadiene	1.83	3.27	0.560	ok	0.560	0.500-0.620
Benzene	4.23	3.27	1.294	ok	1.293	1.233-1.353
Bromobenzene	13.83	10.12	1.367	ok	1.366	1.306-1.426
Bromodichloromethane	5.07	4.55	1.114	ok	1.114	1.054-1.174
Bromoform	11.32	10.12	1.119	ok	1.118	1.058-1.178
Bromomethane	1.91	3.27	0.584	ok	0.584	0.524-0.644
Bromoethene	2.06	3.27	0.630	ok	0.630	0.570-0.690
n-Butane	1.85	3.27	0.566	ok	0.566	0.506-0.626
Benzyl Chloride	16.67	10.12	1.647	ok	1.647	1.587-1.707
n-Butylbenzene	17.43	10.12	1.722	ok	1.722	1.662-1.782
sec-Butylbenzene	16.88	10.12	1.668	ok	1.667	1.607-1.727
tert-Butylbenzene	16.57	10.12	1.637	ok	1.637	1.577-1.697
Carbon disulfide	2.52	3.27	0.771	ok	0.771	0.711-0.831
Chlorobenzene	10.20	10.12	1.008	ok	1.008	0.948-1.068
Chlorodifluoromethane	1.66	3.27	0.508	ok	0.508	0.448-0.568
Chloroethane	1.96	3.27	0.599	ok	0.599	0.539-0.659
Chlorotrifluoroethene	1.67	3.27	0.511	ok	0.511	0.451-0.571
Chloroform	3.34	3.27	1.021	ok	1.022	0.962-1.082
Chloromethane	1.73	3.27	0.529	ok	0.529	0.469-0.589
3-Chloropropene	2.47	3.27	0.755	ok	0.755	0.695-0.815
2-Chlorotoluene	14.96	10.12	1.478	ok	1.477	1.417-1.537
Carbon tetrachloride	4.34	3.27	1.327	ok	1.326	1.266-1.386
Cyclohexane	4.43	4.55	0.974	ok	0.974	0.914-1.034
1,1-Dichloroethane	2.83	3.27	0.865	ok	0.865	0.805-0.925
1,1-Dichloroethylene	2.39	3.27	0.731	ok	0.731	0.671-0.791
1,2-Dibromoethane (EDB)	8.14	4.55	1.789	ok	1.789	1.729-1.849
1,2-Dichloroethane	3.75	3.27	1.147	ok	1.147	1.087-1.207
1,2-Dichloropropane	4.89	4.55	1.075	ok	1.074	1.014-1.134
1,3-Dichloropropane	7.32	4.55	1.609	ok	1.609	1.549-1.669
1,4-Dioxane	5.14	4.55	1.130	ok	1.137	1.077-1.197
Dichlorodifluoromethane	1.69	3.27	0.517	ok	0.517	0.457-0.577
Dichlorofluoromethane	1.98	3.27	0.606	ok	0.606	0.546-0.666
Dibromochloromethane	7.80	4.55	1.714	ok	1.713	1.653-1.773
Dibromomethane	4.85	4.55	1.066	ok	1.066	1.006-1.126
trans-1,2-Dichloroethylene	2.75	3.27	0.841	ok	0.841	0.781-0.901

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	Reporting this level
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.19	3.27	0.976	ok	0.976	0.916-1.036
cis-1,3-Dichloropropene	6.06	4.55	1.332	ok	1.332	1.272-1.392
m-Dichlorobenzene	16.64	10.12	1.644	ok	1.644	1.584-1.704
o-Dichlorobenzene	17.05	10.12	1.685	ok	1.684	1.624-1.744
p-Dichlorobenzene	16.73	10.12	1.653	ok	1.653	1.593-1.713
trans-1,3-Dichloropropene	6.74	4.55	1.481	ok	1.481	1.421-1.541
Di-Isopropyl ether	3.33	3.27	1.018	ok	1.020	0.960-1.080
2,3-Dimethylpentane	4.69	4.55	1.031	ok	1.030	0.970-1.090
2,4-Dimethylpentane	3.84	3.27	1.174	ok	1.173	1.113-1.233
Ethanol	1.99	3.27	0.609	ok	0.610	0.550-0.670
Ethylbenzene	11.09	10.12	1.096	ok	1.095	1.035-1.155
Ethyl Acetate	3.33	3.27	1.018	ok	1.020	0.960-1.080
Ethyl Acrylate	5.01	4.55	1.101	ok	1.103	1.043-1.163
4-Ethyltoluene	15.75	10.12	1.556	ok	1.555	1.495-1.615
Freon 113	2.52	3.27	0.771	ok	0.771	0.711-0.831
Freon 114	1.76	3.27	0.538	ok	0.538	0.478-0.598
Freon 115	1.62	3.27	0.495	ok	0.494	0.434-0.554
Freon 123	2.10	3.27	0.642	ok	0.643	0.583-0.703
Freon 123A	2.12	3.27	0.648	ok	0.649	0.589-0.709
Freon 142B	1.72	3.27	0.526	ok	0.527	0.467-0.587
Freon 152A	1.65	3.27	0.505	ok	0.504	0.444-0.564
Heptane	5.53	4.55	1.215	ok	1.216	1.156-1.276
Hexachlorobutadiene	18.66	10.12	1.844	ok	1.843	1.783-1.903
Hexachloroethane	17.60	10.12	1.739	ok	1.739	1.679-1.799
Hexane	3.32	3.27	1.015	ok	1.015	0.955-1.075
2-Hexanone	7.85	4.55	1.725	ok	1.729	1.669-1.789
Iodomethane	2.36	3.27	0.722	ok	0.722	0.662-0.782
Isopropylbenzene	13.96	10.12	1.379	ok	1.379	1.319-1.439
Isopropyl Alcohol	2.21	3.27	0.676	ok	0.679	0.619-0.739
p-Isopropyltoluene	17.07	10.12	1.687	ok	1.686	1.626-1.746
Methylene chloride	2.43	3.27	0.743	ok	0.742	0.682-0.802
Methyl ethyl ketone	3.00	3.27	0.917	ok	0.919	0.859-0.979
Methyl Isobutyl Ketone	6.17	4.55	1.356	ok	1.360	1.300-1.420
Methyl Tert Butyl Ether	2.86	3.27	0.875	ok	0.877	0.817-0.937
Methylmethacrylate	5.43	4.55	1.193	ok	1.195	1.135-1.255
Naphthalene	18.40	10.12	1.818	ok	1.818	1.758-1.878
Nonane	13.57	10.12	1.341	ok	1.340	1.280-1.400
Octane	9.14	4.55	2.009	ok	2.009	1.949-2.069
Pentane	2.30	3.27	0.703	ok	0.704	0.644-0.764

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	Reporting this level
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
n-Propylbenzene	15.30	10.12	1.512	ok	1.512	1.452-1.572
Propylene	1.67	3.27	0.511	ok	0.511	0.451-0.571
Styrene	12.23	10.12	1.208	ok	1.208	1.148-1.268
1,1,1-Trichloroethane	3.91	3.27	1.196	ok	1.196	1.136-1.256
1,1,1,2-Tetrachloroethane	10.22	10.12	1.010	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	12.46	10.12	1.231	ok	1.231	1.171-1.291
1,1,2-Trichloroethane	6.90	4.55	1.516	ok	1.515	1.455-1.575
1,2,4-Trichlorobenzene	18.35	10.12	1.813	ok	1.813	1.753-1.873
1,2,3-Trichloropropane	12.74	10.12	1.259	ok	1.259	1.199-1.319
1,2,3-Trimethylbenzene	16.99	10.12	1.679	ok	1.679	1.619-1.739
1,2,4-Trimethylbenzene	16.58	10.12	1.638	ok	1.638	1.578-1.698
1,3,5-Trimethylbenzene	16.00	10.12	1.581	ok	1.581	1.521-1.641
2,2,4-Trimethylpentane	5.22	4.55	1.147	ok	1.147	1.087-1.207
Tertiary Butyl Alcohol	2.41	3.27	0.737	ok	0.743	0.683-0.803
Tetrachloroethylene	9.00	4.55	1.978	ok	1.977	1.917-2.037
Tetrahydrofuran	3.55	3.27	1.086	ok	1.091	1.031-1.151
Toluene	7.27	4.55	1.598	ok	1.596	1.536-1.656
Trichloroethylene	5.12	4.55	1.125	ok	1.126	1.066-1.186
Trichlorofluoromethane	2.19	3.27	0.670	ok	0.669	0.609-0.729
Vinyl chloride	1.79	3.27	0.547	ok	0.547	0.487-0.607
Vinyl Acetate	2.90	3.27	0.887	ok	0.888	0.828-0.948
m,p-Xylene	11.51	10.12	1.137	ok	1.137	1.077-1.197
o-Xylene	12.45	10.12	1.230	ok	1.229	1.169-1.289
TVHC As Equiv Pentane	2.30	10.12	0.227	ok	0.227	0.167-0.287

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.27	ok	3.27	2.94-3.60	78951	ok	80511	48307-112715
1,4-Difluorobenzene	4.55	ok	4.55	4.22-4.88	399337	ok	406483	243890-569076
Chlorobenzene-D5	10.12	ok	10.12	9.79-10.45	358279	ok	359712	215827-503597

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	Reporting this level
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.13	3.27	0.651	ok	0.653	0.593-0.713
Acrolein	2.09	3.27	0.639	ok	0.640	0.580-0.700
Acrylonitrile	2.27	3.27	0.694	ok	0.696	0.636-0.756
Acetonitrile	2.05	3.27	0.627	ok	0.627	0.567-0.687
1,3-Butadiene	1.83	3.27	0.560	ok	0.560	0.500-0.620
Benzene	4.23	3.27	1.294	ok	1.293	1.233-1.353
Bromobenzene	13.83	10.13	1.365	ok	1.366	1.306-1.426
Bromodichloromethane	5.07	4.55	1.114	ok	1.114	1.054-1.174
Bromoform	11.33	10.13	1.118	ok	1.118	1.058-1.178
Bromomethane	1.91	3.27	0.584	ok	0.584	0.524-0.644
Bromoethene	2.06	3.27	0.630	ok	0.630	0.570-0.690
n-Butane	1.85	3.27	0.566	ok	0.566	0.506-0.626
Benzyl Chloride	16.68	10.13	1.647	ok	1.647	1.587-1.707
n-Butylbenzene	17.43	10.13	1.721	ok	1.722	1.662-1.782
sec-Butylbenzene	16.88	10.13	1.666	ok	1.667	1.607-1.727
tert-Butylbenzene	16.58	10.13	1.637	ok	1.637	1.577-1.697
Carbon disulfide	2.52	3.27	0.771	ok	0.771	0.711-0.831
Chlorobenzene	10.21	10.13	1.008	ok	1.008	0.948-1.068
Chlorodifluoromethane	1.66	3.27	0.508	ok	0.508	0.448-0.568
Chloroethane	1.96	3.27	0.599	ok	0.599	0.539-0.659
Chlorotrifluoroethene	1.67	3.27	0.511	ok	0.511	0.451-0.571
Chloroform	3.34	3.27	1.021	ok	1.022	0.962-1.082
Chloromethane	1.73	3.27	0.529	ok	0.529	0.469-0.589
3-Chloropropene	2.47	3.27	0.755	ok	0.755	0.695-0.815
2-Chlorotoluene	14.96	10.13	1.477	ok	1.477	1.417-1.537
Carbon tetrachloride	4.34	3.27	1.327	ok	1.326	1.266-1.386
Cyclohexane	4.43	4.55	0.974	ok	0.974	0.914-1.034
1,1-Dichloroethane	2.83	3.27	0.865	ok	0.865	0.805-0.925
1,1-Dichloroethylene	2.39	3.27	0.731	ok	0.731	0.671-0.791
1,2-Dibromoethane (EDB)	8.15	4.55	1.791	ok	1.789	1.729-1.849
1,2-Dichloroethane	3.75	3.27	1.147	ok	1.147	1.087-1.207
1,2-Dichloropropane	4.89	4.55	1.075	ok	1.074	1.014-1.134
1,3-Dichloropropane	7.33	4.55	1.611	ok	1.609	1.549-1.669
1,4-Dioxane	5.14	4.55	1.130	ok	1.137	1.077-1.197
Dichlorodifluoromethane	1.69	3.27	0.517	ok	0.517	0.457-0.577
Dichlorofluoromethane	1.98	3.27	0.606	ok	0.606	0.546-0.666
Dibromochloromethane	7.80	4.55	1.714	ok	1.713	1.653-1.773
Dibromomethane	4.85	4.55	1.066	ok	1.066	1.006-1.126
trans-1,2-Dichloroethylene	2.75	3.27	0.841	ok	0.841	0.781-0.901

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	Reporting this level
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.19	3.27	0.976	ok	0.976	0.916-1.036
cis-1,3-Dichloropropene	6.06	4.55	1.332	ok	1.332	1.272-1.392
m-Dichlorobenzene	16.65	10.13	1.644	ok	1.644	1.584-1.704
o-Dichlorobenzene	17.05	10.13	1.683	ok	1.684	1.624-1.744
p-Dichlorobenzene	16.74	10.13	1.653	ok	1.653	1.593-1.713
trans-1,3-Dichloropropene	6.74	4.55	1.481	ok	1.481	1.421-1.541
Di-Isopropyl ether	3.33	3.27	1.018	ok	1.020	0.960-1.080
2,3-Dimethylpentane	4.69	4.55	1.031	ok	1.030	0.970-1.090
2,4-Dimethylpentane	3.84	3.27	1.174	ok	1.173	1.113-1.233
Ethanol	1.99	3.27	0.609	ok	0.610	0.550-0.670
Ethylbenzene	11.09	10.13	1.095	ok	1.095	1.035-1.155
Ethyl Acetate	3.33	3.27	1.018	ok	1.020	0.960-1.080
Ethyl Acrylate	5.01	4.55	1.101	ok	1.103	1.043-1.163
4-Ethyltoluene	15.75	10.13	1.555	ok	1.555	1.495-1.615
Freon 113	2.52	3.27	0.771	ok	0.771	0.711-0.831
Freon 114	1.76	3.27	0.538	ok	0.538	0.478-0.598
Freon 115	1.61	3.27	0.492	ok	0.494	0.434-0.554
Freon 123	2.10	3.27	0.642	ok	0.643	0.583-0.703
Freon 123A	2.12	3.27	0.648	ok	0.649	0.589-0.709
Freon 142B	1.72	3.27	0.526	ok	0.527	0.467-0.587
Freon 152A	1.65	3.27	0.505	ok	0.504	0.444-0.564
Heptane	5.54	4.55	1.218	ok	1.216	1.156-1.276
Hexachlorobutadiene	18.66	10.13	1.842	ok	1.843	1.783-1.903
Hexachloroethane	17.61	10.13	1.738	ok	1.739	1.679-1.799
Hexane	3.32	3.27	1.015	ok	1.015	0.955-1.075
2-Hexanone	7.85	4.55	1.725	ok	1.729	1.669-1.789
Iodomethane	2.36	3.27	0.722	ok	0.722	0.662-0.782
Isopropylbenzene	13.97	10.13	1.379	ok	1.379	1.319-1.439
Isopropyl Alcohol	2.21	3.27	0.676	ok	0.679	0.619-0.739
p-Isopropyltoluene	17.07	10.13	1.685	ok	1.686	1.626-1.746
Methylene chloride	2.43	3.27	0.743	ok	0.742	0.682-0.802
Methyl ethyl ketone	3.00	3.27	0.917	ok	0.919	0.859-0.979
Methyl Isobutyl Ketone	6.17	4.55	1.356	ok	1.360	1.300-1.420
Methyl Tert Butyl Ether	2.86	3.27	0.875	ok	0.877	0.817-0.937
Methylmethacrylate	5.43	4.55	1.193	ok	1.195	1.135-1.255
Naphthalene	18.40	10.13	1.816	ok	1.818	1.758-1.878
Nonane	13.58	10.13	1.341	ok	1.340	1.280-1.400
Octane	9.15	4.55	2.011	ok	2.009	1.949-2.069
Pentane	2.30	3.27	0.703	ok	0.704	0.644-0.764

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	Reporting this level
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
n-Propylbenzene	15.31	10.13	1.511	ok	1.512	1.452-1.572
Propylene	1.67	3.27	0.511	ok	0.511	0.451-0.571
Styrene	12.24	10.13	1.208	ok	1.208	1.148-1.268
1,1,1-Trichloroethane	3.92	3.27	1.199	ok	1.196	1.136-1.256
1,1,1,2-Tetrachloroethane	10.22	10.13	1.009	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	12.47	10.13	1.231	ok	1.231	1.171-1.291
1,1,2-Trichloroethane	6.90	4.55	1.516	ok	1.515	1.455-1.575
1,2,4-Trichlorobenzene	18.35	10.13	1.811	ok	1.813	1.753-1.873
1,2,3-Trichloropropane	12.75	10.13	1.259	ok	1.259	1.199-1.319
1,2,3-Trimethylbenzene	17.00	10.13	1.678	ok	1.679	1.619-1.739
1,2,4-Trimethylbenzene	16.59	10.13	1.638	ok	1.638	1.578-1.698
1,3,5-Trimethylbenzene	16.01	10.13	1.580	ok	1.581	1.521-1.641
2,2,4-Trimethylpentane	5.22	4.55	1.147	ok	1.147	1.087-1.207
Tertiary Butyl Alcohol	2.41	3.27	0.737	ok	0.743	0.683-0.803
Tetrachloroethylene	9.00	4.55	1.978	ok	1.977	1.917-2.037
Tetrahydrofuran	3.55	3.27	1.086	ok	1.091	1.031-1.151
Toluene	7.27	4.55	1.598	ok	1.596	1.536-1.656
Trichloroethylene	5.13	4.55	1.127	ok	1.126	1.066-1.186
Trichlorofluoromethane	2.19	3.27	0.670	ok	0.669	0.609-0.729
Vinyl chloride	1.79	3.27	0.547	ok	0.547	0.487-0.607
Vinyl Acetate	2.90	3.27	0.887	ok	0.888	0.828-0.948
m,p-Xylene	11.52	10.13	1.137	ok	1.137	1.077-1.197
o-Xylene	12.45	10.13	1.229	ok	1.229	1.169-1.289
TVHC As Equiv Pentane	2.30	10.13	0.227	ok	0.227	0.167-0.287

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.27	ok	3.27	2.94-3.60	77284	ok	80511	48307-112715
1,4-Difluorobenzene	4.55	ok	4.55	4.22-4.88	380992	ok	406483	243890-569076
Chlorobenzene-D5	10.13	ok	10.12	9.79-10.45	341287	ok	359712	215827-503597

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.13	3.27	0.651	ok	0.653	0.593-0.713
Acrolein	2.09	3.27	0.639	ok	0.640	0.580-0.700
Acrylonitrile	2.27	3.27	0.694	ok	0.696	0.636-0.756
Acetonitrile	2.05	3.27	0.627	ok	0.627	0.567-0.687
1,3-Butadiene	1.83	3.27	0.560	ok	0.560	0.500-0.620
Benzene	4.23	3.27	1.294	ok	1.293	1.233-1.353
Bromobenzene	13.84	10.13	1.366	ok	1.366	1.306-1.426
Bromodichloromethane	5.07	4.55	1.114	ok	1.114	1.054-1.174
Bromoform	11.33	10.13	1.118	ok	1.118	1.058-1.178
Bromomethane	1.91	3.27	0.584	ok	0.584	0.524-0.644
Bromoethene	2.06	3.27	0.630	ok	0.630	0.570-0.690
n-Butane	1.85	3.27	0.566	ok	0.566	0.506-0.626
Benzyl Chloride	16.68	10.13	1.647	ok	1.647	1.587-1.707
n-Butylbenzene	17.43	10.13	1.721	ok	1.722	1.662-1.782
sec-Butylbenzene	16.88	10.13	1.666	ok	1.667	1.607-1.727
tert-Butylbenzene	16.58	10.13	1.637	ok	1.637	1.577-1.697
Carbon disulfide	2.52	3.27	0.771	ok	0.771	0.711-0.831
Chlorobenzene	10.21	10.13	1.008	ok	1.008	0.948-1.068
Chlorodifluoromethane	1.66	3.27	0.508	ok	0.508	0.448-0.568
Chloroethane	1.96	3.27	0.599	ok	0.599	0.539-0.659
Chlorotrifluoroethene	1.67	3.27	0.511	ok	0.511	0.451-0.571
Chloroform	3.35	3.27	1.024	ok	1.022	0.962-1.082
Chloromethane	1.73	3.27	0.529	ok	0.529	0.469-0.589
3-Chloropropene	2.47	3.27	0.755	ok	0.755	0.695-0.815
2-Chlorotoluene	14.97	10.13	1.478	ok	1.477	1.417-1.537
Carbon tetrachloride	4.34	3.27	1.327	ok	1.326	1.266-1.386
Cyclohexane	4.43	4.55	0.974	ok	0.974	0.914-1.034
1,1-Dichloroethane	2.83	3.27	0.865	ok	0.865	0.805-0.925
1,1-Dichloroethylene	2.39	3.27	0.731	ok	0.731	0.671-0.791
1,2-Dibromoethane (EDB)	8.15	4.55	1.791	ok	1.789	1.729-1.849
1,2-Dichloroethane	3.75	3.27	1.147	ok	1.147	1.087-1.207
1,2-Dichloropropane	4.89	4.55	1.075	ok	1.074	1.014-1.134
1,3-Dichloropropane	7.33	4.55	1.611	ok	1.609	1.549-1.669
1,4-Dioxane	5.14	4.55	1.130	ok	1.137	1.077-1.197
Dichlorodifluoromethane	1.69	3.27	0.517	ok	0.517	0.457-0.577
Dichlorofluoromethane	1.98	3.27	0.606	ok	0.606	0.546-0.666
Dibromochloromethane	7.80	4.55	1.714	ok	1.713	1.653-1.773
Dibromomethane	4.86	4.55	1.068	ok	1.066	1.006-1.126
trans-1,2-Dichloroethylene	2.75	3.27	0.841	ok	0.841	0.781-0.901

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.19	3.27	0.976	ok	0.976	0.916-1.036
cis-1,3-Dichloropropene	6.06	4.55	1.332	ok	1.332	1.272-1.392
m-Dichlorobenzene	16.65	10.13	1.644	ok	1.644	1.584-1.704
o-Dichlorobenzene	17.05	10.13	1.683	ok	1.684	1.624-1.744
p-Dichlorobenzene	16.74	10.13	1.653	ok	1.653	1.593-1.713
trans-1,3-Dichloropropene	6.74	4.55	1.481	ok	1.481	1.421-1.541
Di-Isopropyl ether	3.33	3.27	1.018	ok	1.020	0.960-1.080
2,3-Dimethylpentane	4.69	4.55	1.031	ok	1.030	0.970-1.090
2,4-Dimethylpentane	3.84	3.27	1.174	ok	1.173	1.113-1.233
Ethanol	1.99	3.27	0.609	ok	0.610	0.550-0.670
Ethylbenzene	11.09	10.13	1.095	ok	1.095	1.035-1.155
Ethyl Acetate	3.33	3.27	1.018	ok	1.020	0.960-1.080
Ethyl Acrylate	5.01	4.55	1.101	ok	1.103	1.043-1.163
4-Ethyltoluene	15.76	10.13	1.556	ok	1.555	1.495-1.615
Freon 113	2.52	3.27	0.771	ok	0.771	0.711-0.831
Freon 114	1.76	3.27	0.538	ok	0.538	0.478-0.598
Freon 115	1.61	3.27	0.492	ok	0.494	0.434-0.554
Freon 123	2.10	3.27	0.642	ok	0.643	0.583-0.703
Freon 123A	2.12	3.27	0.648	ok	0.649	0.589-0.709
Freon 142B	1.72	3.27	0.526	ok	0.527	0.467-0.587
Freon 152A	1.65	3.27	0.505	ok	0.504	0.444-0.564
Heptane	5.54	4.55	1.218	ok	1.216	1.156-1.276
Hexachlorobutadiene	18.66	10.13	1.842	ok	1.843	1.783-1.903
Hexachloroethane	17.61	10.13	1.738	ok	1.739	1.679-1.799
Hexane	3.32	3.27	1.015	ok	1.015	0.955-1.075
2-Hexanone	7.85	4.55	1.725	ok	1.729	1.669-1.789
Iodomethane	2.36	3.27	0.722	ok	0.722	0.662-0.782
Isopropylbenzene	13.97	10.13	1.379	ok	1.379	1.319-1.439
Isopropyl Alcohol	2.21	3.27	0.676	ok	0.679	0.619-0.739
p-Isopropyltoluene	17.07	10.13	1.685	ok	1.686	1.626-1.746
Methylene chloride	2.43	3.27	0.743	ok	0.742	0.682-0.802
Methyl ethyl ketone	3.00	3.27	0.917	ok	0.919	0.859-0.979
Methyl Isobutyl Ketone	6.17	4.55	1.356	ok	1.360	1.300-1.420
Methyl Tert Butyl Ether	2.86	3.27	0.875	ok	0.877	0.817-0.937
Methylmethacrylate	5.43	4.55	1.193	ok	1.195	1.135-1.255
Naphthalene	18.40	10.13	1.816	ok	1.818	1.758-1.878
Nonane	13.58	10.13	1.341	ok	1.340	1.280-1.400
Octane	9.15	4.55	2.011	ok	2.009	1.949-2.069
Pentane	2.30	3.27	0.703	ok	0.704	0.644-0.764

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
n-Propylbenzene	15.31	10.13	1.511	ok	1.512	1.452-1.572
Propylene	1.67	3.27	0.511	ok	0.511	0.451-0.571
Styrene	12.24	10.13	1.208	ok	1.208	1.148-1.268
1,1,1-Trichloroethane	3.92	3.27	1.199	ok	1.196	1.136-1.256
1,1,1,2-Tetrachloroethane	10.22	10.13	1.009	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	12.47	10.13	1.231	ok	1.231	1.171-1.291
1,1,2-Trichloroethane	6.90	4.55	1.516	ok	1.515	1.455-1.575
1,2,4-Trichlorobenzene	18.35	10.13	1.811	ok	1.813	1.753-1.873
1,2,3-Trichloropropane	12.75	10.13	1.259	ok	1.259	1.199-1.319
1,2,3-Trimethylbenzene	17.00	10.13	1.678	ok	1.679	1.619-1.739
1,2,4-Trimethylbenzene	16.59	10.13	1.638	ok	1.638	1.578-1.698
1,3,5-Trimethylbenzene	16.01	10.13	1.580	ok	1.581	1.521-1.641
2,2,4-Trimethylpentane	5.22	4.55	1.147	ok	1.147	1.087-1.207
Tertiary Butyl Alcohol	2.41	3.27	0.737	ok	0.743	0.683-0.803
Tetrachloroethylene	9.00	4.55	1.978	ok	1.977	1.917-2.037
Tetrahydrofuran	3.55	3.27	1.086	ok	1.091	1.031-1.151
Toluene	7.27	4.55	1.598	ok	1.596	1.536-1.656
Trichloroethylene	5.13	4.55	1.127	ok	1.126	1.066-1.186
Trichlorofluoromethane	2.19	3.27	0.670	ok	0.669	0.609-0.729
Vinyl chloride	1.79	3.27	0.547	ok	0.547	0.487-0.607
Vinyl Acetate	2.90	3.27	0.887	ok	0.888	0.828-0.948
m,p-Xylene	11.52	10.13	1.137	ok	1.137	1.077-1.197
o-Xylene	12.46	10.13	1.230	ok	1.229	1.169-1.289
TVHC As Equiv Pentane	2.30	10.13	0.227	ok	0.227	0.167-0.287

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.27	ok	3.27	2.94-3.60	78494	ok	80511	48307-112715
1,4-Difluorobenzene	4.55	ok	4.55	4.22-4.88	389657	ok	406483	243890-569076
Chlorobenzene-D5	10.13	ok	10.12	9.79-10.45	345790	ok	359712	215827-503597

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	Reporting this level
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.10	3.22	0.652	ok	0.652	0.592-0.712
Acrolein	2.06	3.22	0.640	ok	0.640	0.580-0.700
Acrylonitrile	2.24	3.22	0.696	ok	0.695	0.635-0.755
Acetonitrile	2.03	3.22	0.630	ok	0.628	0.568-0.688
1,3-Butadiene	1.81	3.22	0.562	ok	0.561	0.501-0.621
Benzene	4.17	3.22	1.295	ok	1.292	1.232-1.352
Bromobenzene	13.72	10.03	1.368	ok	1.368	1.308-1.428
Bromodichloromethane	5.00	4.49	1.114	ok	1.114	1.054-1.174
Bromoform	11.23	10.03	1.120	ok	1.119	1.059-1.179
Bromomethane	1.88	3.22	0.584	ok	0.584	0.524-0.644
Bromoethene	2.03	3.22	0.630	ok	0.629	0.569-0.689
n-Butane	1.82	3.22	0.565	ok	0.565	0.505-0.625
Benzyl Chloride	16.63	10.03	1.658	ok	1.657	1.597-1.717
n-Butylbenzene	17.40	10.03	1.735	ok	1.734	1.674-1.794
sec-Butylbenzene	16.84	10.03	1.679	ok	1.678	1.618-1.738
tert-Butylbenzene	16.53	10.03	1.648	ok	1.647	1.587-1.707
Carbon disulfide	2.49	3.22	0.773	ok	0.772	0.712-0.832
Chlorobenzene	10.10	10.03	1.007	ok	1.007	0.947-1.067
Chlorodifluoromethane	1.64	3.22	0.509	ok	0.508	0.448-0.568
Chloroethane	1.93	3.22	0.599	ok	0.598	0.538-0.658
Chlorotrifluoroethene	1.65	3.22	0.512	ok	0.511	0.451-0.571
Chloroform	3.29	3.22	1.022	ok	1.022	0.962-1.082
Chloromethane	1.71	3.22	0.531	ok	0.530	0.470-0.590
3-Chloropropene	2.43	3.22	0.755	ok	0.756	0.696-0.816
2-Chlorotoluene	14.84	10.03	1.480	ok	1.480	1.420-1.540
Carbon tetrachloride	4.28	3.22	1.329	ok	1.326	1.266-1.386
Cyclohexane	4.37	4.49	0.973	ok	0.974	0.914-1.034
1,1-Dichloroethane	2.79	3.22	0.866	ok	0.865	0.805-0.925
1,1-Dichloroethylene	2.36	3.22	0.733	ok	0.731	0.671-0.791
1,2-Dibromoethane (EDB)	8.05	4.49	1.793	ok	1.794	1.734-1.854
1,2-Dichloroethane	3.70	3.22	1.149	ok	1.147	1.087-1.207
1,2-Dichloropropane	4.83	4.49	1.076	ok	1.075	1.015-1.135
1,3-Dichloropropane	7.24	4.49	1.612	ok	1.613	1.553-1.673
1,4-Dioxane	5.23	4.49	1.165	ok	1.142	1.082-1.202
Dichlorodifluoromethane	1.67	3.22	0.519	ok	0.517	0.457-0.577
Dichlorofluoromethane	1.96	3.22	0.609	ok	0.607	0.547-0.667
Dibromochloromethane	7.72	4.49	1.719	ok	1.718	1.658-1.778
Dibromomethane	4.79	4.49	1.067	ok	1.066	1.006-1.126
trans-1,2-Dichloroethylene	2.72	3.22	0.845	ok	0.843	0.783-0.903

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	Reporting this level
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.15	3.22	0.978	ok	0.976	0.916-1.036
cis-1,3-Dichloropropene	5.99	4.49	1.334	ok	1.333	1.273-1.393
m-Dichlorobenzene	16.60	10.03	1.655	ok	1.655	1.595-1.715
o-Dichlorobenzene	17.01	10.03	1.696	ok	1.695	1.635-1.755
p-Dichlorobenzene	16.69	10.03	1.664	ok	1.663	1.603-1.723
trans-1,3-Dichloropropene	6.67	4.49	1.486	ok	1.484	1.424-1.544
Di-Isopropyl ether	3.29	3.22	1.022	ok	1.018	0.958-1.078
2,3-Dimethylpentane	4.63	4.49	1.031	ok	1.030	0.970-1.090
2,4-Dimethylpentane	3.78	3.22	1.174	ok	1.173	1.113-1.233
Ethanol	1.97	3.22	0.612	ok	0.609	0.549-0.669
Ethylbenzene	10.99	10.03	1.096	ok	1.095	1.035-1.155
Ethyl Acetate	3.30	3.22	1.025	ok	1.020	0.960-1.080
Ethyl Acrylate	4.97	4.49	1.107	ok	1.104	1.044-1.164
4-Ethyltoluene	15.65	10.03	1.560	ok	1.559	1.499-1.619
Freon 113	2.49	3.22	0.773	ok	0.772	0.712-0.832
Freon 114	1.74	3.22	0.540	ok	0.539	0.479-0.599
Freon 115	1.60	3.22	0.497	ok	0.496	0.436-0.556
Freon 123	2.07	3.22	0.643	ok	0.642	0.582-0.702
Freon 123A	2.09	3.22	0.649	ok	0.648	0.588-0.708
Freon 142B	1.70	3.22	0.528	ok	0.528	0.468-0.588
Freon 152A	1.63	3.22	0.506	ok	0.504	0.444-0.564
Heptane	5.47	4.49	1.218	ok	1.217	1.157-1.277
Hexachlorobutadiene	18.63	10.03	1.857	ok	1.857	1.797-1.917
Hexachloroethane	17.58	10.03	1.753	ok	1.751	1.691-1.811
Hexane	3.28	3.22	1.019	ok	1.015	0.955-1.075
2-Hexanone	7.82	4.49	1.742	ok	1.734	1.674-1.794
Iodomethane	2.33	3.22	0.724	ok	0.722	0.662-0.782
Isopropylbenzene	13.86	10.03	1.382	ok	1.381	1.321-1.441
Isopropyl Alcohol	2.19	3.22	0.680	ok	0.676	0.616-0.736
p-Isopropyltoluene	17.03	10.03	1.698	ok	1.697	1.637-1.757
Methylene chloride	2.40	3.22	0.745	ok	0.743	0.683-0.803
Methyl ethyl ketone	2.97	3.22	0.922	ok	0.919	0.859-0.979
Methyl Isobutyl Ketone	6.13	4.49	1.365	ok	1.361	1.301-1.421
Methyl Tert Butyl Ether	2.83	3.22	0.879	ok	0.876	0.816-0.936
Methylmethacrylate	5.37	4.49	1.196	ok	1.196	1.136-1.256
Naphthalene	18.38	10.03	1.833	ok	1.831	1.771-1.891
Nonane	13.46	10.03	1.342	ok	1.343	1.283-1.403
Octane	9.06	4.49	2.018	ok	2.017	1.957-2.077
Pentane	2.27	3.22	0.705	ok	0.703	0.643-0.763

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	Reporting this level
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
n-Propylbenzene	15.20	10.03	1.515	ok	1.515	1.455-1.575
Propylene	1.65	3.22	0.512	ok	0.511	0.451-0.571
Styrene	12.15	10.03	1.211	ok	1.210	1.150-1.270
1,1,1-Trichloroethane	3.87	3.22	1.202	ok	1.198	1.138-1.258
1,1,1,2-Tetrachloroethane	10.11	10.03	1.008	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	12.35	10.03	1.231	ok	1.232	1.172-1.292
1,1,2-Trichloroethane	6.83	4.49	1.521	ok	1.519	1.459-1.579
1,2,4-Trichlorobenzene	18.32	10.03	1.827	ok	1.826	1.766-1.886
1,2,3-Trichloropropane	12.64	10.03	1.260	ok	1.260	1.200-1.320
1,2,3-Trimethylbenzene	16.96	10.03	1.691	ok	1.690	1.630-1.750
1,2,4-Trimethylbenzene	16.53	10.03	1.648	ok	1.648	1.588-1.708
1,3,5-Trimethylbenzene	15.91	10.03	1.586	ok	1.586	1.526-1.646
2,2,4-Trimethylpentane	5.15	4.49	1.147	ok	1.148	1.088-1.208
Tertiary Butyl Alcohol	2.40	3.22	0.745	ok	0.740	0.680-0.800
Tetrachloroethylene	8.90	4.49	1.982	ok	1.982	1.922-2.042
Tetrahydrofuran	3.54	3.22	1.099	ok	1.091	1.031-1.151
Toluene	7.19	4.49	1.601	ok	1.600	1.540-1.660
Trichloroethylene	5.06	4.49	1.127	ok	1.127	1.067-1.187
Trichlorofluoromethane	2.16	3.22	0.671	ok	0.669	0.609-0.729
Vinyl chloride	1.77	3.22	0.550	ok	0.548	0.488-0.608
Vinyl Acetate	2.86	3.22	0.888	ok	0.887	0.827-0.947
m,p-Xylene	11.42	10.03	1.139	ok	1.138	1.078-1.198
o-Xylene	12.35	10.03	1.231	ok	1.231	1.171-1.291
TVHC As Equiv Pentane	2.27	10.03	0.226	ok	0.226	0.166-0.286

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.22	ok	3.23	2.90-3.56	135115	ok	131593	78956-184230
1,4-Difluorobenzene	4.49	ok	4.49	4.16-4.82	681342	ok	662398	397439-927357
Chlorobenzene-D5	10.03	ok	10.03	9.70-10.36	623287	ok	618891	371335-866447

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	Reporting this level
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.11	3.22	0.655	ok	0.652	0.592-0.712
Acrolein	2.07	3.22	0.643	ok	0.640	0.580-0.700
Acrylonitrile	2.24	3.22	0.696	ok	0.695	0.635-0.755
Acetonitrile	2.03	3.22	0.630	ok	0.628	0.568-0.688
1,3-Butadiene	1.81	3.22	0.562	ok	0.561	0.501-0.621
Benzene	4.17	3.22	1.295	ok	1.292	1.232-1.352
Bromobenzene	13.72	10.03	1.368	ok	1.368	1.308-1.428
Bromodichloromethane	5.00	4.49	1.114	ok	1.114	1.054-1.174
Bromoform	11.23	10.03	1.120	ok	1.119	1.059-1.179
Bromomethane	1.89	3.22	0.587	ok	0.584	0.524-0.644
Bromoethene	2.03	3.22	0.630	ok	0.629	0.569-0.689
n-Butane	1.83	3.22	0.568	ok	0.565	0.505-0.625
Benzyl Chloride	16.62	10.03	1.657	ok	1.657	1.597-1.717
n-Butylbenzene	17.39	10.03	1.734	ok	1.734	1.674-1.794
sec-Butylbenzene	16.84	10.03	1.679	ok	1.678	1.618-1.738
tert-Butylbenzene	16.53	10.03	1.648	ok	1.647	1.587-1.707
Carbon disulfide	2.49	3.22	0.773	ok	0.772	0.712-0.832
Chlorobenzene	10.10	10.03	1.007	ok	1.007	0.947-1.067
Chlorodifluoromethane	1.64	3.22	0.509	ok	0.508	0.448-0.568
Chloroethane	1.93	3.22	0.599	ok	0.598	0.538-0.658
Chlorotrifluoroethene	1.65	3.22	0.512	ok	0.511	0.451-0.571
Chloroform	3.30	3.22	1.025	ok	1.022	0.962-1.082
Chloromethane	1.71	3.22	0.531	ok	0.530	0.470-0.590
3-Chloropropene	2.44	3.22	0.758	ok	0.756	0.696-0.816
2-Chlorotoluene	14.85	10.03	1.481	ok	1.480	1.420-1.540
Carbon tetrachloride	4.28	3.22	1.329	ok	1.326	1.266-1.386
Cyclohexane	4.38	4.49	0.976	ok	0.974	0.914-1.034
1,1-Dichloroethane	2.79	3.22	0.866	ok	0.865	0.805-0.925
1,1-Dichloroethylene	2.36	3.22	0.733	ok	0.731	0.671-0.791
1,2-Dibromoethane (EDB)	8.05	4.49	1.793	ok	1.794	1.734-1.854
1,2-Dichloroethane	3.70	3.22	1.149	ok	1.147	1.087-1.207
1,2-Dichloropropane	4.83	4.49	1.076	ok	1.075	1.015-1.135
1,3-Dichloropropane	7.24	4.49	1.612	ok	1.613	1.553-1.673
1,4-Dioxane	5.17	4.49	1.151	ok	1.142	1.082-1.202
Dichlorodifluoromethane	1.67	3.22	0.519	ok	0.517	0.457-0.577
Dichlorofluoromethane	1.96	3.22	0.609	ok	0.607	0.547-0.667
Dibromochloromethane	7.72	4.49	1.719	ok	1.718	1.658-1.778
Dibromomethane	4.78	4.49	1.065	ok	1.066	1.006-1.126
trans-1,2-Dichloroethylene	2.72	3.22	0.845	ok	0.843	0.783-0.903

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	Reporting this level
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.15	3.22	0.978	ok	0.976	0.916-1.036
cis-1,3-Dichloropropene	5.99	4.49	1.334	ok	1.333	1.273-1.393
m-Dichlorobenzene	16.60	10.03	1.655	ok	1.655	1.595-1.715
o-Dichlorobenzene	17.01	10.03	1.696	ok	1.695	1.635-1.755
p-Dichlorobenzene	16.69	10.03	1.664	ok	1.663	1.603-1.723
trans-1,3-Dichloropropene	6.66	4.49	1.483	ok	1.484	1.424-1.544
Di-Isopropyl ether	3.29	3.22	1.022	ok	1.018	0.958-1.078
2,3-Dimethylpentane	4.63	4.49	1.031	ok	1.030	0.970-1.090
2,4-Dimethylpentane	3.78	3.22	1.174	ok	1.173	1.113-1.233
Ethanol	1.97	3.22	0.612	ok	0.609	0.549-0.669
Ethylbenzene	10.99	10.03	1.096	ok	1.095	1.035-1.155
Ethyl Acetate	3.30	3.22	1.025	ok	1.020	0.960-1.080
Ethyl Acrylate	4.96	4.49	1.105	ok	1.104	1.044-1.164
4-Ethyltoluene	15.64	10.03	1.559	ok	1.559	1.499-1.619
Freon 113	2.49	3.22	0.773	ok	0.772	0.712-0.832
Freon 114	1.74	3.22	0.540	ok	0.539	0.479-0.599
Freon 115	1.60	3.22	0.497	ok	0.496	0.436-0.556
Freon 123	2.08	3.22	0.646	ok	0.642	0.582-0.702
Freon 123A	2.09	3.22	0.649	ok	0.648	0.588-0.708
Freon 142B	1.71	3.22	0.531	ok	0.528	0.468-0.588
Freon 152A	1.63	3.22	0.506	ok	0.504	0.444-0.564
Heptane	5.46	4.49	1.216	ok	1.217	1.157-1.277
Hexachlorobutadiene	18.63	10.03	1.857	ok	1.857	1.797-1.917
Hexachloroethane	17.57	10.03	1.752	ok	1.751	1.691-1.811
Hexane	3.27	3.22	1.016	ok	1.015	0.955-1.075
2-Hexanone	7.80	4.49	1.737	ok	1.734	1.674-1.794
Iodomethane	2.33	3.22	0.724	ok	0.722	0.662-0.782
Isopropylbenzene	13.85	10.03	1.381	ok	1.381	1.321-1.441
Isopropyl Alcohol	2.19	3.22	0.680	ok	0.676	0.616-0.736
p-Isopropyltoluene	17.03	10.03	1.698	ok	1.697	1.637-1.757
Methylene chloride	2.39	3.22	0.742	ok	0.743	0.683-0.803
Methyl ethyl ketone	2.97	3.22	0.922	ok	0.919	0.859-0.979
Methyl Isobutyl Ketone	6.13	4.49	1.365	ok	1.361	1.301-1.421
Methyl Tert Butyl Ether	2.83	3.22	0.879	ok	0.876	0.816-0.936
Methylmethacrylate	5.37	4.49	1.196	ok	1.196	1.136-1.256
Naphthalene	18.37	10.03	1.832	ok	1.831	1.771-1.891
Nonane	13.46	10.03	1.342	ok	1.343	1.283-1.403
Octane	9.06	4.49	2.018	ok	2.017	1.957-2.077
Pentane	2.27	3.22	0.705	ok	0.703	0.643-0.763

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	Reporting this level
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
n-Propylbenzene	15.20	10.03	1.515	ok	1.515	1.455-1.575
Propylene	1.65	3.22	0.512	ok	0.511	0.451-0.571
Styrene	12.13	10.03	1.209	ok	1.210	1.150-1.270
1,1,1-Trichloroethane	3.86	3.22	1.199	ok	1.198	1.138-1.258
1,1,1,2-Tetrachloroethane	10.11	10.03	1.008	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	12.35	10.03	1.231	ok	1.232	1.172-1.292
1,1,2-Trichloroethane	6.82	4.49	1.519	ok	1.519	1.459-1.579
1,2,4-Trichlorobenzene	18.32	10.03	1.827	ok	1.826	1.766-1.886
1,2,3-Trichloropropane	12.65	10.03	1.261	ok	1.260	1.200-1.320
1,2,3-Trimethylbenzene	16.96	10.03	1.691	ok	1.690	1.630-1.750
1,2,4-Trimethylbenzene	16.53	10.03	1.648	ok	1.648	1.588-1.708
1,3,5-Trimethylbenzene	15.91	10.03	1.586	ok	1.586	1.526-1.646
2,2,4-Trimethylpentane	5.16	4.49	1.149	ok	1.148	1.088-1.208
Tertiary Butyl Alcohol	2.40	3.22	0.745	ok	0.740	0.680-0.800
Tetrachloroethylene	8.91	4.49	1.984	ok	1.982	1.922-2.042
Tetrahydrofuran	3.54	3.22	1.099	ok	1.091	1.031-1.151
Toluene	7.18	4.49	1.599	ok	1.600	1.540-1.660
Trichloroethylene	5.06	4.49	1.127	ok	1.127	1.067-1.187
Trichlorofluoromethane	2.16	3.22	0.671	ok	0.669	0.609-0.729
Vinyl chloride	1.77	3.22	0.550	ok	0.548	0.488-0.608
Vinyl Acetate	2.86	3.22	0.888	ok	0.887	0.827-0.947
m,p-Xylene	11.38	10.03	1.135	ok	1.138	1.078-1.198
o-Xylene	12.34	10.03	1.230	ok	1.231	1.171-1.291
TVHC As Equiv Pentane	2.27	10.03	0.226	ok	0.226	0.166-0.286

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.22	ok	3.23	2.90-3.56	133584	ok	131593	78956-184230
1,4-Difluorobenzene	4.49	ok	4.49	4.16-4.82	679369	ok	662398	397439-927357
Chlorobenzene-D5	10.03	ok	10.03	9.70-10.36	626077	ok	618891	371335-866447

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	Reporting this level
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.12	3.23	0.656	ok	0.652	0.592-0.712
Acrolein	2.07	3.23	0.641	ok	0.640	0.580-0.700
Acrylonitrile	2.25	3.23	0.697	ok	0.695	0.635-0.755
Acetonitrile	2.03	3.23	0.628	ok	0.628	0.568-0.688
1,3-Butadiene	1.81	3.23	0.560	ok	0.561	0.501-0.621
Benzene	4.17	3.23	1.291	ok	1.292	1.232-1.352
Bromobenzene	13.72	10.03	1.368	ok	1.368	1.308-1.428
Bromodichloromethane	5.00	4.50	1.111	ok	1.114	1.054-1.174
Bromoform	11.22	10.03	1.119	ok	1.119	1.059-1.179
Bromomethane	1.89	3.23	0.585	ok	0.584	0.524-0.644
Bromoethene	2.03	3.23	0.628	ok	0.629	0.569-0.689
n-Butane	1.82	3.23	0.563	ok	0.565	0.505-0.625
Benzyl Chloride	16.62	10.03	1.657	ok	1.657	1.597-1.717
n-Butylbenzene	17.40	10.03	1.735	ok	1.734	1.674-1.794
sec-Butylbenzene	16.84	10.03	1.679	ok	1.678	1.618-1.738
tert-Butylbenzene	16.52	10.03	1.647	ok	1.647	1.587-1.707
Carbon disulfide	2.49	3.23	0.771	ok	0.772	0.712-0.832
Chlorobenzene	10.10	10.03	1.007	ok	1.007	0.947-1.067
Chlorodifluoromethane	1.64	3.23	0.508	ok	0.508	0.448-0.568
Chloroethane	1.93	3.23	0.598	ok	0.598	0.538-0.658
Chlorotrifluoroethene	1.65	3.23	0.511	ok	0.511	0.451-0.571
Chloroform	3.30	3.23	1.022	ok	1.022	0.962-1.082
Chloromethane	1.71	3.23	0.529	ok	0.530	0.470-0.590
3-Chloropropene	2.44	3.23	0.755	ok	0.756	0.696-0.816
2-Chlorotoluene	14.85	10.03	1.481	ok	1.480	1.420-1.540
Carbon tetrachloride	4.28	3.23	1.325	ok	1.326	1.266-1.386
Cyclohexane	4.38	4.50	0.973	ok	0.974	0.914-1.034
1,1-Dichloroethane	2.80	3.23	0.867	ok	0.865	0.805-0.925
1,1-Dichloroethylene	2.36	3.23	0.731	ok	0.731	0.671-0.791
1,2-Dibromoethane (EDB)	8.06	4.50	1.791	ok	1.794	1.734-1.854
1,2-Dichloroethane	3.70	3.23	1.146	ok	1.147	1.087-1.207
1,2-Dichloropropane	4.84	4.50	1.076	ok	1.075	1.015-1.135
1,3-Dichloropropane	7.25	4.50	1.611	ok	1.613	1.553-1.673
1,4-Dioxane	5.23	4.50	1.162	ok	1.142	1.082-1.202
Dichlorodifluoromethane	1.67	3.23	0.517	ok	0.517	0.457-0.577
Dichlorofluoromethane	1.96	3.23	0.607	ok	0.607	0.547-0.667
Dibromochloromethane	7.72	4.50	1.716	ok	1.718	1.658-1.778
Dibromomethane	4.79	4.50	1.064	ok	1.066	1.006-1.126
trans-1,2-Dichloroethylene	2.72	3.23	0.842	ok	0.843	0.783-0.903

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	Reporting this level
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.15	3.23	0.975	ok	0.976	0.916-1.036
cis-1,3-Dichloropropene	5.99	4.50	1.331	ok	1.333	1.273-1.393
m-Dichlorobenzene	16.60	10.03	1.655	ok	1.655	1.595-1.715
o-Dichlorobenzene	17.01	10.03	1.696	ok	1.695	1.635-1.755
p-Dichlorobenzene	16.69	10.03	1.664	ok	1.663	1.603-1.723
trans-1,3-Dichloropropene	6.67	4.50	1.482	ok	1.484	1.424-1.544
Di-Isopropyl ether	3.30	3.23	1.022	ok	1.018	0.958-1.078
2,3-Dimethylpentane	4.63	4.50	1.029	ok	1.030	0.970-1.090
2,4-Dimethylpentane	3.78	3.23	1.170	ok	1.173	1.113-1.233
Ethanol	1.98	3.23	0.613	ok	0.609	0.549-0.669
Ethylbenzene	10.99	10.03	1.096	ok	1.095	1.035-1.155
Ethyl Acetate	3.31	3.23	1.025	ok	1.020	0.960-1.080
Ethyl Acrylate	4.98	4.50	1.107	ok	1.104	1.044-1.164
4-Ethyltoluene	15.64	10.03	1.559	ok	1.559	1.499-1.619
Freon 113	2.49	3.23	0.771	ok	0.772	0.712-0.832
Freon 114	1.74	3.23	0.539	ok	0.539	0.479-0.599
Freon 115	1.60	3.23	0.495	ok	0.496	0.436-0.556
Freon 123	2.07	3.23	0.641	ok	0.642	0.582-0.702
Freon 123A	2.09	3.23	0.647	ok	0.648	0.588-0.708
Freon 142B	1.70	3.23	0.526	ok	0.528	0.468-0.588
Freon 152A	1.62	3.23	0.502	ok	0.504	0.444-0.564
Heptane	5.47	4.50	1.216	ok	1.217	1.157-1.277
Hexachlorobutadiene	18.63	10.03	1.857	ok	1.857	1.797-1.917
Hexachloroethane	17.57	10.03	1.752	ok	1.751	1.691-1.811
Hexane	3.28	3.23	1.015	ok	1.015	0.955-1.075
2-Hexanone	7.85	4.50	1.744	ok	1.734	1.674-1.794
Iodomethane	2.33	3.23	0.721	ok	0.722	0.662-0.782
Isopropylbenzene	13.86	10.03	1.382	ok	1.381	1.321-1.441
Isopropyl Alcohol	2.20	3.23	0.681	ok	0.676	0.616-0.736
p-Isopropyltoluene	17.03	10.03	1.698	ok	1.697	1.637-1.757
Methylene chloride	2.40	3.23	0.743	ok	0.743	0.683-0.803
Methyl ethyl ketone	2.98	3.23	0.923	ok	0.919	0.859-0.979
Methyl Isobutyl Ketone	6.17	4.50	1.371	ok	1.361	1.301-1.421
Methyl Tert Butyl Ether	2.85	3.23	0.882	ok	0.876	0.816-0.936
Methylmethacrylate	5.39	4.50	1.198	ok	1.196	1.136-1.256
Naphthalene	18.37	10.03	1.832	ok	1.831	1.771-1.891
Nonane	13.47	10.03	1.343	ok	1.343	1.283-1.403
Octane	9.05	4.50	2.011	ok	2.017	1.957-2.077
Pentane	2.27	3.23	0.703	ok	0.703	0.643-0.763

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	Reporting this level
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
n-Propylbenzene	15.20	10.03	1.515	ok	1.515	1.455-1.575
Propylene	1.65	3.23	0.511	ok	0.511	0.451-0.571
Styrene	12.14	10.03	1.210	ok	1.210	1.150-1.270
1,1,1-Trichloroethane	3.87	3.23	1.198	ok	1.198	1.138-1.258
1,1,1,2-Tetrachloroethane	10.12	10.03	1.009	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	12.36	10.03	1.232	ok	1.232	1.172-1.292
1,1,2-Trichloroethane	6.82	4.50	1.516	ok	1.519	1.459-1.579
1,2,4-Trichlorobenzene	18.32	10.03	1.827	ok	1.826	1.766-1.886
1,2,3-Trichloropropane	12.64	10.03	1.260	ok	1.260	1.200-1.320
1,2,3-Trimethylbenzene	16.96	10.03	1.691	ok	1.690	1.630-1.750
1,2,4-Trimethylbenzene	16.53	10.03	1.648	ok	1.648	1.588-1.708
1,3,5-Trimethylbenzene	15.91	10.03	1.586	ok	1.586	1.526-1.646
2,2,4-Trimethylpentane	5.16	4.50	1.147	ok	1.148	1.088-1.208
Tertiary Butyl Alcohol	2.43	3.23	0.752	ok	0.740	0.680-0.800
Tetrachloroethylene	8.90	4.50	1.978	ok	1.982	1.922-2.042
Tetrahydrofuran	3.54	3.23	1.096	ok	1.091	1.031-1.151
Toluene	7.19	4.50	1.598	ok	1.600	1.540-1.660
Trichloroethylene	5.06	4.50	1.124	ok	1.127	1.067-1.187
Trichlorofluoromethane	2.16	3.23	0.669	ok	0.669	0.609-0.729
Vinyl chloride	1.77	3.23	0.548	ok	0.548	0.488-0.608
Vinyl Acetate	2.87	3.23	0.889	ok	0.887	0.827-0.947
m,p-Xylene	11.43	10.03	1.140	ok	1.138	1.078-1.198
o-Xylene	12.34	10.03	1.230	ok	1.231	1.171-1.291
TVHC As Equiv Pentane	2.27	10.03	0.226	ok	0.226	0.166-0.286

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.23	ok	3.23	2.90-3.56	135376	ok	131593	78956-184230
1,4-Difluorobenzene	4.50	ok	4.49	4.16-4.82	684640	ok	662398	397439-927357
Chlorobenzene-D5	10.03	ok	10.03	9.70-10.36	633519	ok	618891	371335-866447

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	Reporting this level
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.11	3.23	0.653	ok	0.652	0.592-0.712
Acrolein	2.07	3.23	0.641	ok	0.640	0.580-0.700
Acrylonitrile	2.24	3.23	0.693	ok	0.695	0.635-0.755
Acetonitrile	2.03	3.23	0.628	ok	0.628	0.568-0.688
1,3-Butadiene	1.81	3.23	0.560	ok	0.561	0.501-0.621
Benzene	4.17	3.23	1.291	ok	1.292	1.232-1.352
Bromobenzene	13.71	10.03	1.367	ok	1.368	1.308-1.428
Bromodichloromethane	5.01	4.49	1.116	ok	1.114	1.054-1.174
Bromoform	11.22	10.03	1.119	ok	1.119	1.059-1.179
Bromomethane	1.89	3.23	0.585	ok	0.584	0.524-0.644
Bromoethene	2.03	3.23	0.628	ok	0.629	0.569-0.689
n-Butane	1.82	3.23	0.563	ok	0.565	0.505-0.625
Benzyl Chloride	16.62	10.03	1.657	ok	1.657	1.597-1.717
n-Butylbenzene	17.39	10.03	1.734	ok	1.734	1.674-1.794
sec-Butylbenzene	16.84	10.03	1.679	ok	1.678	1.618-1.738
tert-Butylbenzene	16.52	10.03	1.647	ok	1.647	1.587-1.707
Carbon disulfide	2.49	3.23	0.771	ok	0.772	0.712-0.832
Chlorobenzene	10.10	10.03	1.007	ok	1.007	0.947-1.067
Chlorodifluoromethane	1.64	3.23	0.508	ok	0.508	0.448-0.568
Chloroethane	1.93	3.23	0.598	ok	0.598	0.538-0.658
Chlorotrifluoroethene	1.65	3.23	0.511	ok	0.511	0.451-0.571
Chloroform	3.30	3.23	1.022	ok	1.022	0.962-1.082
Chloromethane	1.71	3.23	0.529	ok	0.530	0.470-0.590
3-Chloropropene	2.44	3.23	0.755	ok	0.756	0.696-0.816
2-Chlorotoluene	14.85	10.03	1.481	ok	1.480	1.420-1.540
Carbon tetrachloride	4.28	3.23	1.325	ok	1.326	1.266-1.386
Cyclohexane	4.37	4.49	0.973	ok	0.974	0.914-1.034
1,1-Dichloroethane	2.79	3.23	0.864	ok	0.865	0.805-0.925
1,1-Dichloroethylene	2.36	3.23	0.731	ok	0.731	0.671-0.791
1,2-Dibromoethane (EDB)	8.06	4.49	1.795	ok	1.794	1.734-1.854
1,2-Dichloroethane	3.70	3.23	1.146	ok	1.147	1.087-1.207
1,2-Dichloropropane	4.83	4.49	1.076	ok	1.075	1.015-1.135
1,3-Dichloropropane	7.25	4.49	1.615	ok	1.613	1.553-1.673
1,4-Dioxane	5.14	4.49	1.145	ok	1.142	1.082-1.202
Dichlorodifluoromethane	1.67	3.23	0.517	ok	0.517	0.457-0.577
Dichlorofluoromethane	1.96	3.23	0.607	ok	0.607	0.547-0.667
Dibromochloromethane	7.72	4.49	1.719	ok	1.718	1.658-1.778
Dibromomethane	4.79	4.49	1.067	ok	1.066	1.006-1.126
trans-1,2-Dichloroethylene	2.72	3.23	0.842	ok	0.843	0.783-0.903

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	Reporting this level
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.15	3.23	0.975	ok	0.976	0.916-1.036
cis-1,3-Dichloropropene	5.99	4.49	1.334	ok	1.333	1.273-1.393
m-Dichlorobenzene	16.60	10.03	1.655	ok	1.655	1.595-1.715
o-Dichlorobenzene	17.01	10.03	1.696	ok	1.695	1.635-1.755
p-Dichlorobenzene	16.69	10.03	1.664	ok	1.663	1.603-1.723
trans-1,3-Dichloropropene	6.66	4.49	1.483	ok	1.484	1.424-1.544
Di-Isopropyl ether	3.28	3.23	1.015	ok	1.018	0.958-1.078
2,3-Dimethylpentane	4.63	4.49	1.031	ok	1.030	0.970-1.090
2,4-Dimethylpentane	3.79	3.23	1.173	ok	1.173	1.113-1.233
Ethanol	1.96	3.23	0.607	ok	0.609	0.549-0.669
Ethylbenzene	10.99	10.03	1.096	ok	1.095	1.035-1.155
Ethyl Acetate	3.29	3.23	1.019	ok	1.020	0.960-1.080
Ethyl Acrylate	4.96	4.49	1.105	ok	1.104	1.044-1.164
4-Ethyltoluene	15.64	10.03	1.559	ok	1.559	1.499-1.619
Freon 113	2.49	3.23	0.771	ok	0.772	0.712-0.832
Freon 114	1.74	3.23	0.539	ok	0.539	0.479-0.599
Freon 115	1.60	3.23	0.495	ok	0.496	0.436-0.556
Freon 123	2.07	3.23	0.641	ok	0.642	0.582-0.702
Freon 123A	2.09	3.23	0.647	ok	0.648	0.588-0.708
Freon 142B	1.71	3.23	0.529	ok	0.528	0.468-0.588
Freon 152A	1.63	3.23	0.505	ok	0.504	0.444-0.564
Heptane	5.47	4.49	1.218	ok	1.217	1.157-1.277
Hexachlorobutadiene	18.63	10.03	1.857	ok	1.857	1.797-1.917
Hexachloroethane	17.57	10.03	1.752	ok	1.751	1.691-1.811
Hexane	3.28	3.23	1.015	ok	1.015	0.955-1.075
2-Hexanone	7.79	4.49	1.735	ok	1.734	1.674-1.794
Iodomethane	2.33	3.23	0.721	ok	0.722	0.662-0.782
Isopropylbenzene	13.85	10.03	1.381	ok	1.381	1.321-1.441
Isopropyl Alcohol	2.18	3.23	0.675	ok	0.676	0.616-0.736
p-Isopropyltoluene	17.03	10.03	1.698	ok	1.697	1.637-1.757
Methylene chloride	2.40	3.23	0.743	ok	0.743	0.683-0.803
Methyl ethyl ketone	2.97	3.23	0.920	ok	0.919	0.859-0.979
Methyl Isobutyl Ketone	6.12	4.49	1.363	ok	1.361	1.301-1.421
Methyl Tert Butyl Ether	2.83	3.23	0.876	ok	0.876	0.816-0.936
Methylmethacrylate	5.37	4.49	1.196	ok	1.196	1.136-1.256
Naphthalene	18.37	10.03	1.832	ok	1.831	1.771-1.891
Nonane	13.47	10.03	1.343	ok	1.343	1.283-1.403
Octane	9.06	4.49	2.018	ok	2.017	1.957-2.077
Pentane	2.27	3.23	0.703	ok	0.703	0.643-0.763

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	Reporting this level
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
n-Propylbenzene	15.19	10.03	1.514	ok	1.515	1.455-1.575
Propylene	1.65	3.23	0.511	ok	0.511	0.451-0.571
Styrene	12.14	10.03	1.210	ok	1.210	1.150-1.270
1,1,1-Trichloroethane	3.86	3.23	1.195	ok	1.198	1.138-1.258
1,1,1,2-Tetrachloroethane	10.11	10.03	1.008	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	12.35	10.03	1.231	ok	1.232	1.172-1.292
1,1,2-Trichloroethane	6.82	4.49	1.519	ok	1.519	1.459-1.579
1,2,4-Trichlorobenzene	18.32	10.03	1.827	ok	1.826	1.766-1.886
1,2,3-Trichloropropane	12.64	10.03	1.260	ok	1.260	1.200-1.320
1,2,3-Trimethylbenzene	16.95	10.03	1.690	ok	1.690	1.630-1.750
1,2,4-Trimethylbenzene	16.53	10.03	1.648	ok	1.648	1.588-1.708
1,3,5-Trimethylbenzene	15.91	10.03	1.586	ok	1.586	1.526-1.646
2,2,4-Trimethylpentane	5.15	4.49	1.147	ok	1.148	1.088-1.208
Tertiary Butyl Alcohol	2.40	3.23	0.743	ok	0.740	0.680-0.800
Tetrachloroethylene	8.90	4.49	1.982	ok	1.982	1.922-2.042
Tetrahydrofuran	3.52	3.23	1.090	ok	1.091	1.031-1.151
Toluene	7.18	4.49	1.599	ok	1.600	1.540-1.660
Trichloroethylene	5.06	4.49	1.127	ok	1.127	1.067-1.187
Trichlorofluoromethane	2.16	3.23	0.669	ok	0.669	0.609-0.729
Vinyl chloride	1.77	3.23	0.548	ok	0.548	0.488-0.608
Vinyl Acetate	2.86	3.23	0.885	ok	0.887	0.827-0.947
m,p-Xylene	11.41	10.03	1.138	ok	1.138	1.078-1.198
o-Xylene	12.34	10.03	1.230	ok	1.231	1.171-1.291
TVHC As Equiv Pentane	2.27	10.03	0.226	ok	0.226	0.166-0.286

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.23	ok	3.23	2.90-3.56	130126	ok	131593	78956-184230
1,4-Difluorobenzene	4.49	ok	4.49	4.16-4.82	661732	ok	662398	397439-927357
Chlorobenzene-D5	10.03	ok	10.03	9.70-10.36	600657	ok	618891	371335-866447

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	Reporting this level
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.11	3.23	0.653	ok	0.652	0.592-0.712
Acrolein	2.07	3.23	0.641	ok	0.640	0.580-0.700
Acrylonitrile	2.25	3.23	0.697	ok	0.695	0.635-0.755
Acetonitrile	2.03	3.23	0.628	ok	0.628	0.568-0.688
1,3-Butadiene	1.81	3.23	0.560	ok	0.561	0.501-0.621
Benzene	4.17	3.23	1.291	ok	1.292	1.232-1.352
Bromobenzene	13.72	10.04	1.367	ok	1.368	1.308-1.428
Bromodichloromethane	5.01	4.50	1.113	ok	1.114	1.054-1.174
Bromoform	11.23	10.04	1.119	ok	1.119	1.059-1.179
Bromomethane	1.89	3.23	0.585	ok	0.584	0.524-0.644
Bromoethene	2.04	3.23	0.632	ok	0.629	0.569-0.689
n-Butane	1.83	3.23	0.567	ok	0.565	0.505-0.625
Benzyl Chloride	16.63	10.04	1.656	ok	1.657	1.597-1.717
n-Butylbenzene	17.40	10.04	1.733	ok	1.734	1.674-1.794
sec-Butylbenzene	16.84	10.04	1.677	ok	1.678	1.618-1.738
tert-Butylbenzene	16.53	10.04	1.646	ok	1.647	1.587-1.707
Carbon disulfide	2.50	3.23	0.774	ok	0.772	0.712-0.832
Chlorobenzene	10.11	10.04	1.007	ok	1.007	0.947-1.067
Chlorodifluoromethane	1.64	3.23	0.508	ok	0.508	0.448-0.568
Chloroethane	1.93	3.23	0.598	ok	0.598	0.538-0.658
Chlorotrifluoroethene	1.65	3.23	0.511	ok	0.511	0.451-0.571
Chloroform	3.30	3.23	1.022	ok	1.022	0.962-1.082
Chloromethane	1.71	3.23	0.529	ok	0.530	0.470-0.590
3-Chloropropene	2.44	3.23	0.755	ok	0.756	0.696-0.816
2-Chlorotoluene	14.86	10.04	1.480	ok	1.480	1.420-1.540
Carbon tetrachloride	4.29	3.23	1.328	ok	1.326	1.266-1.386
Cyclohexane	4.38	4.50	0.973	ok	0.974	0.914-1.034
1,1-Dichloroethane	2.80	3.23	0.867	ok	0.865	0.805-0.925
1,1-Dichloroethylene	2.36	3.23	0.731	ok	0.731	0.671-0.791
1,2-Dibromoethane (EDB)	8.06	4.50	1.791	ok	1.794	1.734-1.854
1,2-Dichloroethane	3.70	3.23	1.146	ok	1.147	1.087-1.207
1,2-Dichloropropane	4.83	4.50	1.073	ok	1.075	1.015-1.135
1,3-Dichloropropane	7.25	4.50	1.611	ok	1.613	1.553-1.673
1,4-Dioxane	5.12	4.50	1.138	ok	1.142	1.082-1.202
Dichlorodifluoromethane	1.67	3.23	0.517	ok	0.517	0.457-0.577
Dichlorofluoromethane	1.96	3.23	0.607	ok	0.607	0.547-0.667
Dibromochloromethane	7.72	4.50	1.716	ok	1.718	1.658-1.778
Dibromomethane	4.79	4.50	1.064	ok	1.066	1.006-1.126
trans-1,2-Dichloroethylene	2.72	3.23	0.842	ok	0.843	0.783-0.903

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	Reporting this level
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.15	3.23	0.975	ok	0.976	0.916-1.036
cis-1,3-Dichloropropene	5.99	4.50	1.331	ok	1.333	1.273-1.393
m-Dichlorobenzene	16.60	10.04	1.653	ok	1.655	1.595-1.715
o-Dichlorobenzene	17.01	10.04	1.694	ok	1.695	1.635-1.755
p-Dichlorobenzene	16.69	10.04	1.662	ok	1.663	1.603-1.723
trans-1,3-Dichloropropene	6.67	4.50	1.482	ok	1.484	1.424-1.544
Di-Isopropyl ether	3.28	3.23	1.015	ok	1.018	0.958-1.078
2,3-Dimethylpentane	4.63	4.50	1.029	ok	1.030	0.970-1.090
2,4-Dimethylpentane	3.79	3.23	1.173	ok	1.173	1.113-1.233
Ethanol	1.97	3.23	0.610	ok	0.609	0.549-0.669
Ethylbenzene	10.99	10.04	1.095	ok	1.095	1.035-1.155
Ethyl Acetate	3.29	3.23	1.019	ok	1.020	0.960-1.080
Ethyl Acrylate	4.96	4.50	1.102	ok	1.104	1.044-1.164
4-Ethyltoluene	15.64	10.04	1.558	ok	1.559	1.499-1.619
Freon 113	2.50	3.23	0.774	ok	0.772	0.712-0.832
Freon 114	1.74	3.23	0.539	ok	0.539	0.479-0.599
Freon 115	1.60	3.23	0.495	ok	0.496	0.436-0.556
Freon 123	2.08	3.23	0.644	ok	0.642	0.582-0.702
Freon 123A	2.09	3.23	0.647	ok	0.648	0.588-0.708
Freon 142B	1.71	3.23	0.529	ok	0.528	0.468-0.588
Freon 152A	1.63	3.23	0.505	ok	0.504	0.444-0.564
Heptane	5.47	4.50	1.216	ok	1.217	1.157-1.277
Hexachlorobutadiene	18.63	10.04	1.856	ok	1.857	1.797-1.917
Hexachloroethane	17.58	10.04	1.751	ok	1.751	1.691-1.811
Hexane	3.28	3.23	1.015	ok	1.015	0.955-1.075
2-Hexanone	7.80	4.50	1.733	ok	1.734	1.674-1.794
Iodomethane	2.34	3.23	0.724	ok	0.722	0.662-0.782
Isopropylbenzene	13.86	10.04	1.380	ok	1.381	1.321-1.441
Isopropyl Alcohol	2.19	3.23	0.678	ok	0.676	0.616-0.736
p-Isopropyltoluene	17.03	10.04	1.696	ok	1.697	1.637-1.757
Methylene chloride	2.40	3.23	0.743	ok	0.743	0.683-0.803
Methyl ethyl ketone	2.96	3.23	0.916	ok	0.919	0.859-0.979
Methyl Isobutyl Ketone	6.12	4.50	1.360	ok	1.361	1.301-1.421
Methyl Tert Butyl Ether	2.83	3.23	0.876	ok	0.876	0.816-0.936
Methylmethacrylate	5.37	4.50	1.193	ok	1.196	1.136-1.256
Naphthalene	18.37	10.04	1.830	ok	1.831	1.771-1.891
Nonane	13.47	10.04	1.342	ok	1.343	1.283-1.403
Octane	9.06	4.50	2.013	ok	2.017	1.957-2.077
Pentane	2.27	3.23	0.703	ok	0.703	0.643-0.763

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	Reporting this level
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
n-Propylbenzene	15.19	10.04	1.513	ok	1.515	1.455-1.575
Propylene	1.65	3.23	0.511	ok	0.511	0.451-0.571
Styrene	12.14	10.04	1.209	ok	1.210	1.150-1.270
1,1,1-Trichloroethane	3.87	3.23	1.198	ok	1.198	1.138-1.258
1,1,1,2-Tetrachloroethane	10.12	10.04	1.008	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	12.36	10.04	1.231	ok	1.232	1.172-1.292
1,1,2-Trichloroethane	6.82	4.50	1.516	ok	1.519	1.459-1.579
1,2,4-Trichlorobenzene	18.32	10.04	1.825	ok	1.826	1.766-1.886
1,2,3-Trichloropropane	12.64	10.04	1.259	ok	1.260	1.200-1.320
1,2,3-Trimethylbenzene	16.96	10.04	1.689	ok	1.690	1.630-1.750
1,2,4-Trimethylbenzene	16.53	10.04	1.646	ok	1.648	1.588-1.708
1,3,5-Trimethylbenzene	15.91	10.04	1.585	ok	1.586	1.526-1.646
2,2,4-Trimethylpentane	5.16	4.50	1.147	ok	1.148	1.088-1.208
Tertiary Butyl Alcohol	2.40	3.23	0.743	ok	0.740	0.680-0.800
Tetrachloroethylene	8.91	4.50	1.980	ok	1.982	1.922-2.042
Tetrahydrofuran	3.52	3.23	1.090	ok	1.091	1.031-1.151
Toluene	7.19	4.50	1.598	ok	1.600	1.540-1.660
Trichloroethylene	5.06	4.50	1.124	ok	1.127	1.067-1.187
Trichlorofluoromethane	2.16	3.23	0.669	ok	0.669	0.609-0.729
Vinyl chloride	1.77	3.23	0.548	ok	0.548	0.488-0.608
Vinyl Acetate	2.87	3.23	0.889	ok	0.887	0.827-0.947
m,p-Xylene	11.41	10.04	1.136	ok	1.138	1.078-1.198
o-Xylene	12.35	10.04	1.230	ok	1.231	1.171-1.291
TVHC As Equiv Pentane	2.27	10.04	0.226	ok	0.226	0.166-0.286

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.23	ok	3.23	2.90-3.56	131992	ok	131593	78956-184230
1,4-Difluorobenzene	4.50	ok	4.49	4.16-4.82	667855	ok	662398	397439-927357
Chlorobenzene-D5	10.04	ok	10.03	9.70-10.36	626654	ok	618891	371335-866447

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	Reporting this level
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.10	3.23	0.650	ok	0.652	0.592-0.712
Acrolein	2.06	3.23	0.638	ok	0.640	0.580-0.700
Acrylonitrile	2.24	3.23	0.693	ok	0.695	0.635-0.755
Acetonitrile	2.02	3.23	0.625	ok	0.628	0.568-0.688
1,3-Butadiene	1.81	3.23	0.560	ok	0.561	0.501-0.621
Benzene	4.17	3.23	1.291	ok	1.292	1.232-1.352
Bromobenzene	13.72	10.03	1.368	ok	1.368	1.308-1.428
Bromodichloromethane	5.01	4.49	1.116	ok	1.114	1.054-1.174
Bromoform	11.23	10.03	1.120	ok	1.119	1.059-1.179
Bromomethane	1.88	3.23	0.582	ok	0.584	0.524-0.644
Bromoethene	2.03	3.23	0.628	ok	0.629	0.569-0.689
n-Butane	1.82	3.23	0.563	ok	0.565	0.505-0.625
Benzyl Chloride	16.63	10.03	1.658	ok	1.657	1.597-1.717
n-Butylbenzene	17.39	10.03	1.734	ok	1.734	1.674-1.794
sec-Butylbenzene	16.84	10.03	1.679	ok	1.678	1.618-1.738
tert-Butylbenzene	16.53	10.03	1.648	ok	1.647	1.587-1.707
Carbon disulfide	2.49	3.23	0.771	ok	0.772	0.712-0.832
Chlorobenzene	10.11	10.03	1.008	ok	1.007	0.947-1.067
Chlorodifluoromethane	1.64	3.23	0.508	ok	0.508	0.448-0.568
Chloroethane	1.93	3.23	0.598	ok	0.598	0.538-0.658
Chlorotrifluoroethene	1.65	3.23	0.511	ok	0.511	0.451-0.571
Chloroform	3.30	3.23	1.022	ok	1.022	0.962-1.082
Chloromethane	1.71	3.23	0.529	ok	0.530	0.470-0.590
3-Chloropropene	2.44	3.23	0.755	ok	0.756	0.696-0.816
2-Chlorotoluene	14.85	10.03	1.481	ok	1.480	1.420-1.540
Carbon tetrachloride	4.28	3.23	1.325	ok	1.326	1.266-1.386
Cyclohexane	4.38	4.49	0.976	ok	0.974	0.914-1.034
1,1-Dichloroethane	2.79	3.23	0.864	ok	0.865	0.805-0.925
1,1-Dichloroethylene	2.36	3.23	0.731	ok	0.731	0.671-0.791
1,2-Dibromoethane (EDB)	8.06	4.49	1.795	ok	1.794	1.734-1.854
1,2-Dichloroethane	3.70	3.23	1.146	ok	1.147	1.087-1.207
1,2-Dichloropropane	4.83	4.49	1.076	ok	1.075	1.015-1.135
1,3-Dichloropropane	7.25	4.49	1.615	ok	1.613	1.553-1.673
1,4-Dioxane	5.08	4.49	1.131	ok	1.142	1.082-1.202
Dichlorodifluoromethane	1.66	3.23	0.514	ok	0.517	0.457-0.577
Dichlorofluoromethane	1.96	3.23	0.607	ok	0.607	0.547-0.667
Dibromochloromethane	7.72	4.49	1.719	ok	1.718	1.658-1.778
Dibromomethane	4.79	4.49	1.067	ok	1.066	1.006-1.126
trans-1,2-Dichloroethylene	2.72	3.23	0.842	ok	0.843	0.783-0.903

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	Reporting this level
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.15	3.23	0.975	ok	0.976	0.916-1.036
cis-1,3-Dichloropropene	5.99	4.49	1.334	ok	1.333	1.273-1.393
m-Dichlorobenzene	16.60	10.03	1.655	ok	1.655	1.595-1.715
o-Dichlorobenzene	17.01	10.03	1.696	ok	1.695	1.635-1.755
p-Dichlorobenzene	16.69	10.03	1.664	ok	1.663	1.603-1.723
trans-1,3-Dichloropropene	6.66	4.49	1.483	ok	1.484	1.424-1.544
Di-Isopropyl ether	3.28	3.23	1.015	ok	1.018	0.958-1.078
2,3-Dimethylpentane	4.63	4.49	1.031	ok	1.030	0.970-1.090
2,4-Dimethylpentane	3.79	3.23	1.173	ok	1.173	1.113-1.233
Ethanol	1.96	3.23	0.607	ok	0.609	0.549-0.669
Ethylbenzene	10.99	10.03	1.096	ok	1.095	1.035-1.155
Ethyl Acetate	3.28	3.23	1.015	ok	1.020	0.960-1.080
Ethyl Acrylate	4.95	4.49	1.102	ok	1.104	1.044-1.164
4-Ethyltoluene	15.64	10.03	1.559	ok	1.559	1.499-1.619
Freon 113	2.49	3.23	0.771	ok	0.772	0.712-0.832
Freon 114	1.74	3.23	0.539	ok	0.539	0.479-0.599
Freon 115	1.60	3.23	0.495	ok	0.496	0.436-0.556
Freon 123	2.07	3.23	0.641	ok	0.642	0.582-0.702
Freon 123A	2.09	3.23	0.647	ok	0.648	0.588-0.708
Freon 142B	1.70	3.23	0.526	ok	0.528	0.468-0.588
Freon 152A	1.62	3.23	0.502	ok	0.504	0.444-0.564
Heptane	5.47	4.49	1.218	ok	1.217	1.157-1.277
Hexachlorobutadiene	18.63	10.03	1.857	ok	1.857	1.797-1.917
Hexachloroethane	17.57	10.03	1.752	ok	1.751	1.691-1.811
Hexane	3.27	3.23	1.012	ok	1.015	0.955-1.075
2-Hexanone	7.76	4.49	1.728	ok	1.734	1.674-1.794
Iodomethane	2.33	3.23	0.721	ok	0.722	0.662-0.782
Isopropylbenzene	13.86	10.03	1.382	ok	1.381	1.321-1.441
Isopropyl Alcohol	2.17	3.23	0.672	ok	0.676	0.616-0.736
p-Isopropyltoluene	17.03	10.03	1.698	ok	1.697	1.637-1.757
Methylene chloride	2.40	3.23	0.743	ok	0.743	0.683-0.803
Methyl ethyl ketone	2.96	3.23	0.916	ok	0.919	0.859-0.979
Methyl Isobutyl Ketone	6.09	4.49	1.356	ok	1.361	1.301-1.421
Methyl Tert Butyl Ether	2.82	3.23	0.873	ok	0.876	0.816-0.936
Methylmethacrylate	5.37	4.49	1.196	ok	1.196	1.136-1.256
Naphthalene	18.37	10.03	1.832	ok	1.831	1.771-1.891
Nonane	13.47	10.03	1.343	ok	1.343	1.283-1.403
Octane	9.06	4.49	2.018	ok	2.017	1.957-2.077
Pentane	2.27	3.23	0.703	ok	0.703	0.643-0.763

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	Reporting this level
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
n-Propylbenzene	15.20	10.03	1.515	ok	1.515	1.455-1.575
Propylene	1.65	3.23	0.511	ok	0.511	0.451-0.571
Styrene	12.13	10.03	1.209	ok	1.210	1.150-1.270
1,1,1-Trichloroethane	3.86	3.23	1.195	ok	1.198	1.138-1.258
1,1,1,2-Tetrachloroethane	10.12	10.03	1.009	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	12.36	10.03	1.232	ok	1.232	1.172-1.292
1,1,2-Trichloroethane	6.82	4.49	1.519	ok	1.519	1.459-1.579
1,2,4-Trichlorobenzene	18.32	10.03	1.827	ok	1.826	1.766-1.886
1,2,3-Trichloropropane	12.64	10.03	1.260	ok	1.260	1.200-1.320
1,2,3-Trimethylbenzene	16.96	10.03	1.691	ok	1.690	1.630-1.750
1,2,4-Trimethylbenzene	16.53	10.03	1.648	ok	1.648	1.588-1.708
1,3,5-Trimethylbenzene	15.91	10.03	1.586	ok	1.586	1.526-1.646
2,2,4-Trimethylpentane	5.16	4.49	1.149	ok	1.148	1.088-1.208
Tertiary Butyl Alcohol	2.37	3.23	0.734	ok	0.740	0.680-0.800
Tetrachloroethylene	8.91	4.49	1.984	ok	1.982	1.922-2.042
Tetrahydrofuran	3.51	3.23	1.087	ok	1.091	1.031-1.151
Toluene	7.19	4.49	1.601	ok	1.600	1.540-1.660
Trichloroethylene	5.06	4.49	1.127	ok	1.127	1.067-1.187
Trichlorofluoromethane	2.16	3.23	0.669	ok	0.669	0.609-0.729
Vinyl chloride	1.77	3.23	0.548	ok	0.548	0.488-0.608
Vinyl Acetate	2.86	3.23	0.885	ok	0.887	0.827-0.947
m,p-Xylene	11.42	10.03	1.139	ok	1.138	1.078-1.198
o-Xylene	12.34	10.03	1.230	ok	1.231	1.171-1.291
TVHC As Equiv Pentane	2.27	10.03	0.226	ok	0.226	0.166-0.286

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.23	ok	3.23	2.90-3.56	131378	ok	131593	78956-184230
1,4-Difluorobenzene	4.49	ok	4.49	4.16-4.82	659033	ok	662398	397439-927357
Chlorobenzene-D5	10.03	ok	10.03	9.70-10.36	616113	ok	618891	371335-866447

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	Reporting this level
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.10	3.23	0.650	ok	0.652	0.592-0.712
Acrolein	2.06	3.23	0.638	ok	0.640	0.580-0.700
Acrylonitrile	2.24	3.23	0.693	ok	0.695	0.635-0.755
Acetonitrile	2.02	3.23	0.625	ok	0.628	0.568-0.688
1,3-Butadiene	1.81	3.23	0.560	ok	0.561	0.501-0.621
Benzene	4.17	3.23	1.291	ok	1.292	1.232-1.352
Bromobenzene	13.73	10.04	1.368	ok	1.368	1.308-1.428
Bromodichloromethane	5.01	4.49	1.116	ok	1.114	1.054-1.174
Bromoform	11.23	10.04	1.119	ok	1.119	1.059-1.179
Bromomethane	1.88	3.23	0.582	ok	0.584	0.524-0.644
Bromoethene	2.03	3.23	0.628	ok	0.629	0.569-0.689
n-Butane	1.82	3.23	0.563	ok	0.565	0.505-0.625
Benzyl Chloride	16.63	10.04	1.656	ok	1.657	1.597-1.717
n-Butylbenzene	17.40	10.04	1.733	ok	1.734	1.674-1.794
sec-Butylbenzene	16.84	10.04	1.677	ok	1.678	1.618-1.738
tert-Butylbenzene	16.53	10.04	1.646	ok	1.647	1.587-1.707
Carbon disulfide	2.49	3.23	0.771	ok	0.772	0.712-0.832
Chlorobenzene	10.11	10.04	1.007	ok	1.007	0.947-1.067
Chlorodifluoromethane	1.64	3.23	0.508	ok	0.508	0.448-0.568
Chloroethane	1.93	3.23	0.598	ok	0.598	0.538-0.658
Chlorotrifluoroethene	1.65	3.23	0.511	ok	0.511	0.451-0.571
Chloroform	3.30	3.23	1.022	ok	1.022	0.962-1.082
Chloromethane	1.71	3.23	0.529	ok	0.530	0.470-0.590
3-Chloropropene	2.44	3.23	0.755	ok	0.756	0.696-0.816
2-Chlorotoluene	14.86	10.04	1.480	ok	1.480	1.420-1.540
Carbon tetrachloride	4.28	3.23	1.325	ok	1.326	1.266-1.386
Cyclohexane	4.38	4.49	0.976	ok	0.974	0.914-1.034
1,1-Dichloroethane	2.79	3.23	0.864	ok	0.865	0.805-0.925
1,1-Dichloroethylene	2.36	3.23	0.731	ok	0.731	0.671-0.791
1,2-Dibromoethane (EDB)	8.06	4.49	1.795	ok	1.794	1.734-1.854
1,2-Dichloroethane	3.70	3.23	1.146	ok	1.147	1.087-1.207
1,2-Dichloropropane	4.83	4.49	1.076	ok	1.075	1.015-1.135
1,3-Dichloropropane	7.25	4.49	1.615	ok	1.613	1.553-1.673
1,4-Dioxane	5.07	4.49	1.129	ok	1.142	1.082-1.202
Dichlorodifluoromethane	1.67	3.23	0.517	ok	0.517	0.457-0.577
Dichlorofluoromethane	1.96	3.23	0.607	ok	0.607	0.547-0.667
Dibromochloromethane	7.72	4.49	1.719	ok	1.718	1.658-1.778
Dibromomethane	4.79	4.49	1.067	ok	1.066	1.006-1.126
trans-1,2-Dichloroethylene	2.72	3.23	0.842	ok	0.843	0.783-0.903

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	Reporting this level
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.15	3.23	0.975	ok	0.976	0.916-1.036
cis-1,3-Dichloropropene	5.99	4.49	1.334	ok	1.333	1.273-1.393
m-Dichlorobenzene	16.60	10.04	1.653	ok	1.655	1.595-1.715
o-Dichlorobenzene	17.01	10.04	1.694	ok	1.695	1.635-1.755
p-Dichlorobenzene	16.69	10.04	1.662	ok	1.663	1.603-1.723
trans-1,3-Dichloropropene	6.67	4.49	1.486	ok	1.484	1.424-1.544
Di-Isopropyl ether	3.28	3.23	1.015	ok	1.018	0.958-1.078
2,3-Dimethylpentane	4.63	4.49	1.031	ok	1.030	0.970-1.090
2,4-Dimethylpentane	3.79	3.23	1.173	ok	1.173	1.113-1.233
Ethanol	1.96	3.23	0.607	ok	0.609	0.549-0.669
Ethylbenzene	10.99	10.04	1.095	ok	1.095	1.035-1.155
Ethyl Acetate	3.28	3.23	1.015	ok	1.020	0.960-1.080
Ethyl Acrylate	4.95	4.49	1.102	ok	1.104	1.044-1.164
4-Ethyltoluene	15.64	10.04	1.558	ok	1.559	1.499-1.619
Freon 113	2.49	3.23	0.771	ok	0.772	0.712-0.832
Freon 114	1.74	3.23	0.539	ok	0.539	0.479-0.599
Freon 115	1.60	3.23	0.495	ok	0.496	0.436-0.556
Freon 123	2.07	3.23	0.641	ok	0.642	0.582-0.702
Freon 123A	2.09	3.23	0.647	ok	0.648	0.588-0.708
Freon 142B	1.70	3.23	0.526	ok	0.528	0.468-0.588
Freon 152A	1.62	3.23	0.502	ok	0.504	0.444-0.564
Heptane	5.47	4.49	1.218	ok	1.217	1.157-1.277
Hexachlorobutadiene	18.63	10.04	1.856	ok	1.857	1.797-1.917
Hexachloroethane	17.57	10.04	1.750	ok	1.751	1.691-1.811
Hexane	3.28	3.23	1.015	ok	1.015	0.955-1.075
2-Hexanone	7.76	4.49	1.728	ok	1.734	1.674-1.794
Iodomethane	2.33	3.23	0.721	ok	0.722	0.662-0.782
Isopropylbenzene	13.86	10.04	1.380	ok	1.381	1.321-1.441
Isopropyl Alcohol	2.17	3.23	0.672	ok	0.676	0.616-0.736
p-Isopropyltoluene	17.03	10.04	1.696	ok	1.697	1.637-1.757
Methylene chloride	2.40	3.23	0.743	ok	0.743	0.683-0.803
Methyl ethyl ketone	2.96	3.23	0.916	ok	0.919	0.859-0.979
Methyl Isobutyl Ketone	6.09	4.49	1.356	ok	1.361	1.301-1.421
Methyl Tert Butyl Ether	2.82	3.23	0.873	ok	0.876	0.816-0.936
Methylmethacrylate	5.37	4.49	1.196	ok	1.196	1.136-1.256
Naphthalene	18.37	10.04	1.830	ok	1.831	1.771-1.891
Nonane	13.48	10.04	1.343	ok	1.343	1.283-1.403
Octane	9.06	4.49	2.018	ok	2.017	1.957-2.077
Pentane	2.27	3.23	0.703	ok	0.703	0.643-0.763

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	Reporting this level
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
n-Propylbenzene	15.20	10.04	1.514	ok	1.515	1.455-1.575
Propylene	1.65	3.23	0.511	ok	0.511	0.451-0.571
Styrene	12.14	10.04	1.209	ok	1.210	1.150-1.270
1,1,1-Trichloroethane	3.86	3.23	1.195	ok	1.198	1.138-1.258
1,1,1,2-Tetrachloroethane	10.13	10.04	1.009	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	12.36	10.04	1.231	ok	1.232	1.172-1.292
1,1,2-Trichloroethane	6.82	4.49	1.519	ok	1.519	1.459-1.579
1,2,4-Trichlorobenzene	18.32	10.04	1.825	ok	1.826	1.766-1.886
1,2,3-Trichloropropane	12.64	10.04	1.259	ok	1.260	1.200-1.320
1,2,3-Trimethylbenzene	16.96	10.04	1.689	ok	1.690	1.630-1.750
1,2,4-Trimethylbenzene	16.54	10.04	1.647	ok	1.648	1.588-1.708
1,3,5-Trimethylbenzene	15.92	10.04	1.586	ok	1.586	1.526-1.646
2,2,4-Trimethylpentane	5.16	4.49	1.149	ok	1.148	1.088-1.208
Tertiary Butyl Alcohol	2.37	3.23	0.734	ok	0.740	0.680-0.800
Tetrachloroethylene	8.91	4.49	1.984	ok	1.982	1.922-2.042
Tetrahydrofuran	3.51	3.23	1.087	ok	1.091	1.031-1.151
Toluene	7.19	4.49	1.601	ok	1.600	1.540-1.660
Trichloroethylene	5.06	4.49	1.127	ok	1.127	1.067-1.187
Trichlorofluoromethane	2.16	3.23	0.669	ok	0.669	0.609-0.729
Vinyl chloride	1.77	3.23	0.548	ok	0.548	0.488-0.608
Vinyl Acetate	2.86	3.23	0.885	ok	0.887	0.827-0.947
m,p-Xylene	11.42	10.04	1.137	ok	1.138	1.078-1.198
o-Xylene	12.35	10.04	1.230	ok	1.231	1.171-1.291
TVHC As Equiv Pentane	2.27	10.04	0.226	ok	0.226	0.166-0.286

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.23	ok	3.23	2.90-3.56	126854	ok	131593	78956-184230
1,4-Difluorobenzene	4.49	ok	4.49	4.16-4.82	638427	ok	662398	397439-927357
Chlorobenzene-D5	10.04	ok	10.03	9.70-10.36	603108	ok	618891	371335-866447

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	Reporting this level
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.10	3.23	0.650	ok	0.652	0.592-0.712
Acrolein	2.06	3.23	0.638	ok	0.640	0.580-0.700
Acrylonitrile	2.24	3.23	0.693	ok	0.695	0.635-0.755
Acetonitrile	2.02	3.23	0.625	ok	0.628	0.568-0.688
1,3-Butadiene	1.81	3.23	0.560	ok	0.561	0.501-0.621
Benzene	4.17	3.23	1.291	ok	1.292	1.232-1.352
Bromobenzene	13.74	10.04	1.369	ok	1.368	1.308-1.428
Bromodichloromethane	5.01	4.49	1.116	ok	1.114	1.054-1.174
Bromoform	11.24	10.04	1.120	ok	1.119	1.059-1.179
Bromomethane	1.88	3.23	0.582	ok	0.584	0.524-0.644
Bromoethene	2.03	3.23	0.628	ok	0.629	0.569-0.689
n-Butane	1.82	3.23	0.563	ok	0.565	0.505-0.625
Benzyl Chloride	16.63	10.04	1.656	ok	1.657	1.597-1.717
n-Butylbenzene	17.40	10.04	1.733	ok	1.734	1.674-1.794
sec-Butylbenzene	16.84	10.04	1.677	ok	1.678	1.618-1.738
tert-Butylbenzene	16.54	10.04	1.647	ok	1.647	1.587-1.707
Carbon disulfide	2.49	3.23	0.771	ok	0.772	0.712-0.832
Chlorobenzene	10.12	10.04	1.008	ok	1.007	0.947-1.067
Chlorodifluoromethane	1.64	3.23	0.508	ok	0.508	0.448-0.568
Chloroethane	1.93	3.23	0.598	ok	0.598	0.538-0.658
Chlorotrifluoroethene	1.65	3.23	0.511	ok	0.511	0.451-0.571
Chloroform	3.30	3.23	1.022	ok	1.022	0.962-1.082
Chloromethane	1.71	3.23	0.529	ok	0.530	0.470-0.590
3-Chloropropene	2.44	3.23	0.755	ok	0.756	0.696-0.816
2-Chlorotoluene	14.87	10.04	1.481	ok	1.480	1.420-1.540
Carbon tetrachloride	4.28	3.23	1.325	ok	1.326	1.266-1.386
Cyclohexane	4.38	4.49	0.976	ok	0.974	0.914-1.034
1,1-Dichloroethane	2.79	3.23	0.864	ok	0.865	0.805-0.925
1,1-Dichloroethylene	2.36	3.23	0.731	ok	0.731	0.671-0.791
1,2-Dibromoethane (EDB)	8.07	4.49	1.797	ok	1.794	1.734-1.854
1,2-Dichloroethane	3.70	3.23	1.146	ok	1.147	1.087-1.207
1,2-Dichloropropane	4.83	4.49	1.076	ok	1.075	1.015-1.135
1,3-Dichloropropane	7.25	4.49	1.615	ok	1.613	1.553-1.673
1,4-Dioxane	5.07	4.49	1.129	ok	1.142	1.082-1.202
Dichlorodifluoromethane	1.67	3.23	0.517	ok	0.517	0.457-0.577
Dichlorofluoromethane	1.96	3.23	0.607	ok	0.607	0.547-0.667
Dibromochloromethane	7.72	4.49	1.719	ok	1.718	1.658-1.778
Dibromomethane	4.79	4.49	1.067	ok	1.066	1.006-1.126
trans-1,2-Dichloroethylene	2.72	3.23	0.842	ok	0.843	0.783-0.903

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	Reporting this level
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.15	3.23	0.975	ok	0.976	0.916-1.036
cis-1,3-Dichloropropene	5.99	4.49	1.334	ok	1.333	1.273-1.393
m-Dichlorobenzene	16.61	10.04	1.654	ok	1.655	1.595-1.715
o-Dichlorobenzene	17.02	10.04	1.695	ok	1.695	1.635-1.755
p-Dichlorobenzene	16.70	10.04	1.663	ok	1.663	1.603-1.723
trans-1,3-Dichloropropene	6.67	4.49	1.486	ok	1.484	1.424-1.544
Di-Isopropyl ether	3.28	3.23	1.015	ok	1.018	0.958-1.078
2,3-Dimethylpentane	4.63	4.49	1.031	ok	1.030	0.970-1.090
2,4-Dimethylpentane	3.79	3.23	1.173	ok	1.173	1.113-1.233
Ethanol	1.96	3.23	0.607	ok	0.609	0.549-0.669
Ethylbenzene	11.00	10.04	1.096	ok	1.095	1.035-1.155
Ethyl Acetate	3.29	3.23	1.019	ok	1.020	0.960-1.080
Ethyl Acrylate	4.95	4.49	1.102	ok	1.104	1.044-1.164
4-Ethyltoluene	15.65	10.04	1.559	ok	1.559	1.499-1.619
Freon 113	2.49	3.23	0.771	ok	0.772	0.712-0.832
Freon 114	1.74	3.23	0.539	ok	0.539	0.479-0.599
Freon 115	1.60	3.23	0.495	ok	0.496	0.436-0.556
Freon 123	2.08	3.23	0.644	ok	0.642	0.582-0.702
Freon 123A	2.09	3.23	0.647	ok	0.648	0.588-0.708
Freon 142B	1.71	3.23	0.529	ok	0.528	0.468-0.588
Freon 152A	1.63	3.23	0.505	ok	0.504	0.444-0.564
Heptane	5.47	4.49	1.218	ok	1.217	1.157-1.277
Hexachlorobutadiene	18.63	10.04	1.856	ok	1.857	1.797-1.917
Hexachloroethane	17.58	10.04	1.751	ok	1.751	1.691-1.811
Hexane	3.28	3.23	1.015	ok	1.015	0.955-1.075
2-Hexanone	7.76	4.49	1.728	ok	1.734	1.674-1.794
Iodomethane	2.33	3.23	0.721	ok	0.722	0.662-0.782
Isopropylbenzene	13.87	10.04	1.381	ok	1.381	1.321-1.441
Isopropyl Alcohol	2.17	3.23	0.672	ok	0.676	0.616-0.736
p-Isopropyltoluene	17.04	10.04	1.697	ok	1.697	1.637-1.757
Methylene chloride	2.40	3.23	0.743	ok	0.743	0.683-0.803
Methyl ethyl ketone	2.96	3.23	0.916	ok	0.919	0.859-0.979
Methyl Isobutyl Ketone	6.09	4.49	1.356	ok	1.361	1.301-1.421
Methyl Tert Butyl Ether	2.82	3.23	0.873	ok	0.876	0.816-0.936
Methylmethacrylate	5.37	4.49	1.196	ok	1.196	1.136-1.256
Naphthalene	18.37	10.04	1.830	ok	1.831	1.771-1.891
Nonane	13.48	10.04	1.343	ok	1.343	1.283-1.403
Octane	9.07	4.49	2.020	ok	2.017	1.957-2.077
Pentane	2.27	3.23	0.703	ok	0.703	0.643-0.763

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	Reporting this level
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
n-Propylbenzene	15.21	10.04	1.515	ok	1.515	1.455-1.575
Propylene	1.65	3.23	0.511	ok	0.511	0.451-0.571
Styrene	12.15	10.04	1.210	ok	1.210	1.150-1.270
1,1,1-Trichloroethane	3.87	3.23	1.198	ok	1.198	1.138-1.258
1,1,1,2-Tetrachloroethane	10.13	10.04	1.009	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	12.38	10.04	1.233	ok	1.232	1.172-1.292
1,1,2-Trichloroethane	6.83	4.49	1.521	ok	1.519	1.459-1.579
1,2,4-Trichlorobenzene	18.33	10.04	1.826	ok	1.826	1.766-1.886
1,2,3-Trichloropropane	12.65	10.04	1.260	ok	1.260	1.200-1.320
1,2,3-Trimethylbenzene	16.96	10.04	1.689	ok	1.690	1.630-1.750
1,2,4-Trimethylbenzene	16.55	10.04	1.648	ok	1.648	1.588-1.708
1,3,5-Trimethylbenzene	15.93	10.04	1.587	ok	1.586	1.526-1.646
2,2,4-Trimethylpentane	5.16	4.49	1.149	ok	1.148	1.088-1.208
Tertiary Butyl Alcohol	2.37	3.23	0.734	ok	0.740	0.680-0.800
Tetrachloroethylene	8.91	4.49	1.984	ok	1.982	1.922-2.042
Tetrahydrofuran	3.50	3.23	1.084	ok	1.091	1.031-1.151
Toluene	7.19	4.49	1.601	ok	1.600	1.540-1.660
Trichloroethylene	5.07	4.49	1.129	ok	1.127	1.067-1.187
Trichlorofluoromethane	2.16	3.23	0.669	ok	0.669	0.609-0.729
Vinyl chloride	1.77	3.23	0.548	ok	0.548	0.488-0.608
Vinyl Acetate	2.86	3.23	0.885	ok	0.887	0.827-0.947
m,p-Xylene	11.43	10.04	1.138	ok	1.138	1.078-1.198
o-Xylene	12.36	10.04	1.231	ok	1.231	1.171-1.291
TVHC As Equiv Pentane	2.27	10.04	0.226	ok	0.226	0.166-0.286

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.23	ok	3.23	2.90-3.56	128392	ok	131593	78956-184230
1,4-Difluorobenzene	4.49	ok	4.49	4.16-4.82	638040	ok	662398	397439-927357
Chlorobenzene-D5	10.04	ok	10.03	9.70-10.36	608914	ok	618891	371335-866447

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.10	3.23	0.650	ok	0.652	0.592-0.712
Acrolein	2.06	3.23	0.638	ok	0.640	0.580-0.700
Acrylonitrile	2.24	3.23	0.693	ok	0.695	0.635-0.755
Acetonitrile	2.02	3.23	0.625	ok	0.628	0.568-0.688
1,3-Butadiene	1.81	3.23	0.560	ok	0.561	0.501-0.621
Benzene	4.17	3.23	1.291	ok	1.292	1.232-1.352
Bromobenzene	13.74	10.04	1.369	ok	1.368	1.308-1.428
Bromodichloromethane	5.01	4.50	1.113	ok	1.114	1.054-1.174
Bromoform	11.24	10.04	1.120	ok	1.119	1.059-1.179
Bromomethane	1.88	3.23	0.582	ok	0.584	0.524-0.644
Bromoethene	2.03	3.23	0.628	ok	0.629	0.569-0.689
n-Butane	1.82	3.23	0.563	ok	0.565	0.505-0.625
Benzyl Chloride	16.64	10.04	1.657	ok	1.657	1.597-1.717
n-Butylbenzene	17.40	10.04	1.733	ok	1.734	1.674-1.794
sec-Butylbenzene	16.85	10.04	1.678	ok	1.678	1.618-1.738
tert-Butylbenzene	16.54	10.04	1.647	ok	1.647	1.587-1.707
Carbon disulfide	2.49	3.23	0.771	ok	0.772	0.712-0.832
Chlorobenzene	10.12	10.04	1.008	ok	1.007	0.947-1.067
Chlorodifluoromethane	1.64	3.23	0.508	ok	0.508	0.448-0.568
Chloroethane	1.93	3.23	0.598	ok	0.598	0.538-0.658
Chlorotrifluoroethene	1.65	3.23	0.511	ok	0.511	0.451-0.571
Chloroform	3.30	3.23	1.022	ok	1.022	0.962-1.082
Chloromethane	1.71	3.23	0.529	ok	0.530	0.470-0.590
3-Chloropropene	2.44	3.23	0.755	ok	0.756	0.696-0.816
2-Chlorotoluene	14.87	10.04	1.481	ok	1.480	1.420-1.540
Carbon tetrachloride	4.28	3.23	1.325	ok	1.326	1.266-1.386
Cyclohexane	4.38	4.50	0.973	ok	0.974	0.914-1.034
1,1-Dichloroethane	2.80	3.23	0.867	ok	0.865	0.805-0.925
1,1-Dichloroethylene	2.36	3.23	0.731	ok	0.731	0.671-0.791
1,2-Dibromoethane (EDB)	8.07	4.50	1.793	ok	1.794	1.734-1.854
1,2-Dichloroethane	3.71	3.23	1.149	ok	1.147	1.087-1.207
1,2-Dichloropropane	4.84	4.50	1.076	ok	1.075	1.015-1.135
1,3-Dichloropropane	7.26	4.50	1.613	ok	1.613	1.553-1.673
1,4-Dioxane	5.07	4.50	1.127	ok	1.142	1.082-1.202
Dichlorodifluoromethane	1.67	3.23	0.517	ok	0.517	0.457-0.577
Dichlorofluoromethane	1.96	3.23	0.607	ok	0.607	0.547-0.667
Dibromochloromethane	7.72	4.50	1.716	ok	1.718	1.658-1.778
Dibromomethane	4.80	4.50	1.067	ok	1.066	1.006-1.126
trans-1,2-Dichloroethylene	2.72	3.23	0.842	ok	0.843	0.783-0.903

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.15	3.23	0.975	ok	0.976	0.916-1.036
cis-1,3-Dichloropropene	6.00	4.50	1.333	ok	1.333	1.273-1.393
m-Dichlorobenzene	16.61	10.04	1.654	ok	1.655	1.595-1.715
o-Dichlorobenzene	17.02	10.04	1.695	ok	1.695	1.635-1.755
p-Dichlorobenzene	16.70	10.04	1.663	ok	1.663	1.603-1.723
trans-1,3-Dichloropropene	6.67	4.50	1.482	ok	1.484	1.424-1.544
Di-Isopropyl ether	3.28	3.23	1.015	ok	1.018	0.958-1.078
2,3-Dimethylpentane	4.63	4.50	1.029	ok	1.030	0.970-1.090
2,4-Dimethylpentane	3.79	3.23	1.173	ok	1.173	1.113-1.233
Ethanol	1.96	3.23	0.607	ok	0.609	0.549-0.669
Ethylbenzene	11.00	10.04	1.096	ok	1.095	1.035-1.155
Ethyl Acetate	3.29	3.23	1.019	ok	1.020	0.960-1.080
Ethyl Acrylate	4.95	4.50	1.100	ok	1.104	1.044-1.164
4-Ethyltoluene	15.66	10.04	1.560	ok	1.559	1.499-1.619
Freon 113	2.49	3.23	0.771	ok	0.772	0.712-0.832
Freon 114	1.74	3.23	0.539	ok	0.539	0.479-0.599
Freon 115	1.60	3.23	0.495	ok	0.496	0.436-0.556
Freon 123	2.07	3.23	0.641	ok	0.642	0.582-0.702
Freon 123A	2.09	3.23	0.647	ok	0.648	0.588-0.708
Freon 142B	1.71	3.23	0.529	ok	0.528	0.468-0.588
Freon 152A	1.63	3.23	0.505	ok	0.504	0.444-0.564
Heptane	5.47	4.50	1.216	ok	1.217	1.157-1.277
Hexachlorobutadiene	18.64	10.04	1.857	ok	1.857	1.797-1.917
Hexachloroethane	17.58	10.04	1.751	ok	1.751	1.691-1.811
Hexane	3.28	3.23	1.015	ok	1.015	0.955-1.075
2-Hexanone	7.77	4.50	1.727	ok	1.734	1.674-1.794
Iodomethane	2.33	3.23	0.721	ok	0.722	0.662-0.782
Isopropylbenzene	13.88	10.04	1.382	ok	1.381	1.321-1.441
Isopropyl Alcohol	2.17	3.23	0.672	ok	0.676	0.616-0.736
p-Isopropyltoluene	17.04	10.04	1.697	ok	1.697	1.637-1.757
Methylene chloride	2.40	3.23	0.743	ok	0.743	0.683-0.803
Methyl ethyl ketone	2.96	3.23	0.916	ok	0.919	0.859-0.979
Methyl Isobutyl Ketone	6.10	4.50	1.356	ok	1.361	1.301-1.421
Methyl Tert Butyl Ether	2.82	3.23	0.873	ok	0.876	0.816-0.936
Methylmethacrylate	5.37	4.50	1.193	ok	1.196	1.136-1.256
Naphthalene	18.38	10.04	1.831	ok	1.831	1.771-1.891
Nonane	13.49	10.04	1.344	ok	1.343	1.283-1.403
Octane	9.07	4.50	2.016	ok	2.017	1.957-2.077
Pentane	2.27	3.23	0.703	ok	0.703	0.643-0.763

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W405-IC405	7W11233.D	12/28/24 09:16	BK	0.04	GCMS7W	TO-15	
V7W405-IC405	7W11234.D	12/28/24 09:53	BK	0.10	GCMS7W	TO-15	
V7W405-IC405	7W11235.D	12/28/24 10:32	BK	0.20	GCMS7W	TO-15	
V7W405-IC405	7W11237.D	12/28/24 11:51	BK	0.50	GCMS7W	TO-15	
V7W405-IC405	7W11238.D	12/28/24 12:34	BK	5	GCMS7W	TO-15	
V7W405-ICC405	7W11240.D	12/28/24 13:47	BK	10	GCMS7W	TO-15	
V7W405-IC405	7W11241.D	12/28/24 14:25	BK	20	GCMS7W	TO-15	
V7W405-IC405	7W11242.D	12/28/24 15:08	BK	40	GCMS7W	TO-15	
V7W405-IC405	7W11243.D	12/28/24 15:52	BK	50	GCMS7W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
n-Propylbenzene	15.21	10.04	1.515	ok	1.515	1.455-1.575
Propylene	1.65	3.23	0.511	ok	0.511	0.451-0.571
Styrene	12.15	10.04	1.210	ok	1.210	1.150-1.270
1,1,1-Trichloroethane	3.87	3.23	1.198	ok	1.198	1.138-1.258
1,1,1,2-Tetrachloroethane	10.14	10.04	1.010	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	12.38	10.04	1.233	ok	1.232	1.172-1.292
1,1,2-Trichloroethane	6.83	4.50	1.518	ok	1.519	1.459-1.579
1,2,4-Trichlorobenzene	18.33	10.04	1.826	ok	1.826	1.766-1.886
1,2,3-Trichloropropane	12.66	10.04	1.261	ok	1.260	1.200-1.320
1,2,3-Trimethylbenzene	16.97	10.04	1.690	ok	1.690	1.630-1.750
1,2,4-Trimethylbenzene	16.55	10.04	1.648	ok	1.648	1.588-1.708
1,3,5-Trimethylbenzene	15.93	10.04	1.587	ok	1.586	1.526-1.646
2,2,4-Trimethylpentane	5.16	4.50	1.147	ok	1.148	1.088-1.208
Tertiary Butyl Alcohol	2.37	3.23	0.734	ok	0.740	0.680-0.800
Tetrachloroethylene	8.92	4.50	1.982	ok	1.982	1.922-2.042
Tetrahydrofuran	3.50	3.23	1.084	ok	1.091	1.031-1.151
Toluene	7.20	4.50	1.600	ok	1.600	1.540-1.660
Trichloroethylene	5.07	4.50	1.127	ok	1.127	1.067-1.187
Trichlorofluoromethane	2.16	3.23	0.669	ok	0.669	0.609-0.729
Vinyl chloride	1.77	3.23	0.548	ok	0.548	0.488-0.608
Vinyl Acetate	2.86	3.23	0.885	ok	0.887	0.827-0.947
m,p-Xylene	11.43	10.04	1.138	ok	1.138	1.078-1.198
o-Xylene	12.36	10.04	1.231	ok	1.231	1.171-1.291
TVHC As Equiv Pentane	2.27	10.04	0.226	ok	0.226	0.166-0.286

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.23	ok	3.23	2.90-3.56	131520	ok	131593	78956-184230
1,4-Difluorobenzene	4.50	ok	4.49	4.16-4.82	651140	ok	662398	397439-927357
Chlorobenzene-D5	10.04	ok	10.03	9.70-10.36	631688	ok	618891	371335-866447

Surrogate Recovery Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Method: TO-15 **Matrix:** AIR

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1
JE2491-1	5W55795.D	111
JE2491-2	5W55831.D	107
JE2491-2	5W55796.D	111
JE2491-2	5W55722.D	118
JE2491-3	5W55797.D	113
JE2491-4	7W11545.D	99
JE2491-4	7W11594.D	99
JE2315-1DUP	5W55826.D	109
JE2488-2DUP	5W55717.D	106
JE2665-1DUP	5W55785.D	113
JE2792-5DUP	7W11549.D	102
JE3433-3DUP	7W11588.D	103
V5W2132-SCC	5W55670A.D	113
V5W2133-BS	5W55701.D	100
V5W2133-BSD	5W55703.D	99
V5W2133-MB	5W55706.D	110
V5W2136-BS	5W55779.D	101
V5W2136-BSD	5W55781.D	99
V5W2136-MB	5W55783.D	111
V5W2138-BS	5W55820.D	101
V5W2138-BSD	5W55821.D	100
V5W2138-MB	5W55823.D	109
V7W387-SCC	7W10605.D	85
V7W392-SCC	7W10777.D	100
V7W394-SCC	7W10831.D	92
V7W414-BS	7W11536.D	102
V7W414-BSD	7W11537.D	103
V7W414-MB	7W11539.D	98
V7W415-BS	7W11572.D	103
V7W415-BSD	7W11573.D	103
V7W415-MB	7W11575.D	97
V5W2132-BS	5W55665.D	98
V5W2132-BSD	5W55666.D	100
V5W2132-MB	5W55670.D	113
V7W387-BS	7W10577.D	93
V7W387-BSD	7W10578.D	94
V7W387-MB	7W10580.D	88
V7W392-BS	7W10744.D	98
V7W392-BSD	7W10745.D	99
V7W392-MB	7W10747.D	94

Surrogate Recovery Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Method: TO-15 **Matrix:** AIR

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1
V7W394-BS	7W10811.D	97
V7W394-BSD	7W10812.D	97
V7W394-MB	7W10814.D	93

Surrogate Compounds	Recovery Limits
S1 = 4-Bromofluorobenzene	65-128%

Initial Calibration Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample: V5W2125-ICC2125
Lab FileID: 5W55466.D

Response Factor Report GCMS5W

Method : C:\msdchem\1\methods\M5w2125.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

Calibration Files
0.04=5w55459.D 0.1 =5w55460.D 0.2 =5w55461.D 0.5 =5w55463.D
5 =5w55464.D 10 =5w55466.D 20 =5w55467.D 40 =5w55468.D
50 =5w55469.D =

Compound	0.04	0.1	0.2	0.5	5	10	20	40	50	Avg	%RSD
1) I BROMOCHLOROMETHANE	----------ISTD----------										
2) FREON 115	1.494	1.548	1.299	1.657	0.642	1.669	1.274			1.369	26.06
3) FREON 152A	0.717	0.684	0.712	0.756	0.789	0.758	0.757	0.760	0.726	0.740	4.36
4) CHLORODIFLUOROMETHANE	0.279	0.341	0.371	0.394	0.410	0.406	0.414	0.428	0.410	0.384	12.27
5) CHLOROTRIFLUOROETHENE	1.677	1.542	1.642	1.717	1.772	1.742	1.780	1.866	1.846	1.732	5.86
6) DICHLORODIFLUOROMETHANE	3.513	3.536	3.550	3.840	3.911	3.777	3.705	3.640	3.418	3.654	4.52
7) PROPYLENE	1.224	1.033	0.862	0.907	0.898	0.861	0.861	0.849	0.788	0.920	14.31
8) 1-CHLORO-1,1-DIFLUOROETHANE	4.008	3.852	3.920	4.118	4.140	3.754	3.537	3.345	3.006	3.742	10.16
9) FREON 114	4.598	4.822	4.882	5.183	5.093	4.507	4.151	3.758	3.349	4.483	13.82
10) CHLOROMETHANE	0.398	0.543	0.544	0.546	0.525	0.463	0.435	0.413	0.375	0.471	14.66
11) VINYL CHLORIDE	1.756	1.727	1.812	1.894	1.887	1.639	1.511	1.406	1.304	1.659	12.74
12) 1,3-BUTADIENE	1.420	1.134	1.171	1.246	1.221	1.066	0.996	0.917	0.850	1.114	15.90
13) n-BUTANE	2.733	2.476	2.579	2.336	1.998	1.834	1.628	1.508		2.136	21.46
14) BROMOMETHANE	2.365	1.858	1.978	1.857	1.631	1.518	1.426	1.356		1.749	19.11
15) CHLOROETHANE	0.846	0.831	0.838	0.890	0.827	0.725	0.666	0.613	0.589	0.758	14.78
16) DICHLOROFLUOROMETHANE	4.518	4.122	4.054	4.299	4.145	3.576	3.289	2.965	2.768	3.748	16.61
17) ACETONITRILE	1.389	1.492	1.554	1.399	1.170	1.073	0.927	0.867		1.234	21.21
18) ACROLEIN	0.585	0.528	0.670	0.602	0.545	0.504	0.450	0.426		0.539	14.94
19) FREON 123	4.363	4.195	4.097	4.417	4.204	3.644	3.338	2.930	2.766	3.773	16.67
20) FREON 123A	2.136	2.135	2.173	2.278	2.198	1.969	1.835	1.696	1.633	2.006	11.66
21) TRICHLOROFLUOROMETHANE	3.235	3.373	3.388	3.743	3.622	3.391	3.312	3.257	3.072	3.377	5.98
22) ISOPROPYL ALCOHOL	2.807	2.426	2.240	1.968	2.127	2.047	1.877	1.627		2.140	16.83
23) ACETONE											

```
                    1.396 0.887 0.807 0.650 0.580 0.520         0.807   39.66
24)  PENTANE
          1.158 1.086 1.066 1.120 1.125 1.072 1.032 0.998 0.910   1.063    7.07
25)  IODOMETHANE
          2.569 2.613 2.606 2.878 2.919 2.955 2.917 2.964 2.934   2.817    5.97
26)  1,1-DICHLOROETHYLENE
          1.034 1.061 1.042 1.082 1.083 1.068 1.039 1.024 0.989   1.047    2.89
27)  CARBON DISULFIDE
          2.768 2.870 2.975 3.284 3.340 3.192 3.075 2.978 2.772   3.028    6.96
28)  ETHANOL
                         1.196 0.821 0.784 0.718 0.613 0.573   0.784   28.45
29)  BROMOETHENE
          1.456 1.481 1.563 1.690 1.665 1.516 1.423 1.332 1.280   1.490    9.22
30)  ACRYLONITRILE
                    1.768 0.744 0.807 0.673 0.649 0.638 0.587   0.838   49.71
31)  METHYLENE CHLORIDE
          1.174 1.115 1.079 1.161 1.090 1.020 0.970 0.937 0.893   1.049    9.49
32)  3-CHLOROPROPENE
          0.391 0.474 0.489 0.498 0.523 0.522 0.504 0.487 0.466   0.484    8.20
33)  FREON 113
          1.537 1.700 1.617 1.831 1.786 1.770 1.764 1.822 1.837   1.740    5.96
34)  TRANS-1,2-DICHLOROETHYLENE
          1.036 1.154 1.076 1.153 1.132 1.135 1.105 1.097 1.066   1.106    3.71
35)  TERTIARY BUTYL ALCOHOL
          1.734 1.833 1.823 2.144 2.079 2.269 2.216 2.116 1.901   2.013    9.58
36)  METHYL TERTIARY BUTYL ETHER
          2.586 2.482 2.471 2.912 3.070 3.107 3.054 2.981 2.851   2.835    9.02
37)  TETRAHYDROFURAN
               0.268 0.296 0.444 0.502 0.510 0.502 0.487 0.463   0.434   22.27
38)  HEXANE
          1.296 1.250 1.316 1.611 1.742 1.704 1.755 1.771 1.658   1.567   13.80
39)  VINYL ACETATE
                    0.064 0.147 0.204 0.201 0.211 0.216 0.211   0.179   31.12
40)  1,1-DICHLOROETHANE
          1.980 2.003 2.035 2.251 2.203 2.132 2.047 1.983 1.866   2.056    5.86
41)  METHYL ETHYL KETONE
               0.226 0.307 0.423 0.518 0.520 0.506 0.495 0.474   0.434   25.32
42)  cis-1,2-DICHLOROETHYLENE
          1.119 1.164 1.035 1.175 1.187 1.196 1.162 1.161 1.131   1.148    4.27
43)  DIISOPROPYL ETHER
               0.332 0.374 0.456 0.524 0.521 0.536 0.550 0.515   0.476   17.14
44)  ETHYL ACETATE
               0.149 0.238 0.333 0.367 0.378 0.372 0.373 0.350   0.320   25.97
45)  METHYL ACRYLATE
                    1.287 1.700 2.080 2.073 2.110 2.111 1.972   1.905   16.20
46)  CHLOROFORM
          2.397 2.484 2.543 2.896 2.724 2.637 2.549 2.497 2.378   2.567    6.38
47)  2,4-DIMETHYLPENTANE
          1.387 1.405 1.543 1.739 1.926 1.905 1.896 1.877 1.746   1.714   12.63
48)  1,1,1-TRICHLOROETHANE
          2.370 2.514 2.437 2.783 2.709 2.671 2.666 2.690 2.619   2.607    5.25
49)  CARBON TETRACHLORIDE
          2.346 2.488 2.550 2.864 2.899 2.882 2.913 2.946 2.904   2.755    8.25
50)  1,2-DICHLOROETHANE
          1.373 1.525 1.645 1.819 1.787 1.772 1.745 1.722 1.641   1.670    8.61

51) I   1,4-DIFLUOROBENZENE   ----------------ISTD----------------------
52)  BENZENE
          0.655 0.645 0.644 0.737 0.755 0.753 0.769 0.790 0.774   0.725    8.20
53)  CYCLOHEXANE
```

0.200 0.219 0.225 0.268 0.295 0.300 0.306 0.321 0.316 0.272 16.87

54) 2,3-DIMETHYLPENTANE
0.101 0.119 0.127 0.155 0.157 0.158 0.164 0.173 0.169 0.147 17.11

55) TRICHLOROETHYLENE
0.331 0.323 0.334 0.377 0.384 0.389 0.410 0.447 0.445 0.382 12.16

56) 1,2-DICHLOROPROPANE
0.286 0.277 0.285 0.308 0.316 0.310 0.323 0.339 0.325 0.308 6.82

57) DIBROMOMETHANE
0.426 0.344 0.344 0.324 0.336 0.350 0.376 0.422 0.444 0.374 12.09

58) ETHYL ACRYLATE
0.293 0.327 0.425 0.537 0.561 0.576 0.594 0.570 0.485 24.76

59) BROMODICHLOROMETHANE
0.528 0.553 0.564 0.687 0.693 0.702 0.732 0.780 0.764 0.667 14.17

60) 2,2,4-TRIMETHYLPENTANE
0.894 0.904 0.917 1.125 1.215 1.207 1.230 1.247 1.166 1.101 13.72

61) 1,4-DIOXANE
0.124 0.141 0.148 0.158 0.184 0.194 0.202 0.200 0.169 17.58

62) HEPTANE
0.329 0.307 0.322 0.389 0.422 0.415 0.425 0.439 0.412 0.384 13.26

63) METHYL METHACRYLATE
0.149 0.176 0.229 0.265 0.272 0.277 0.283 0.277 0.241 21.56

64) METHYL ISOBUTYL KETONE
0.119 0.139 0.183 0.226 0.232 0.241 0.254 0.245 0.205 25.18

65) cis-1,3-DICHLOROPROPENE
0.324 0.343 0.374 0.448 0.507 0.520 0.545 0.577 0.568 0.467 21.12

66) TOLUENE
0.383 0.404 0.414 0.463 0.537 0.553 0.573 0.618 0.617 0.507 18.24

67) 1,3-DICHLOROPROPANE
0.339 0.370 0.382 0.460 0.483 0.479 0.489 0.511 0.501 0.446 14.42

68) trans-1,3-DICHLOROPROPENE
0.254 0.279 0.336 0.398 0.473 0.498 0.523 0.557 0.553 0.430 27.23

69) 1,1,2-TRICHLOROETHANE
0.256 0.260 0.277 0.319 0.314 0.315 0.326 0.346 0.343 0.306 11.05

70) I CHLOROBENZENE-D5 ----------ISTD----------

71) 2-HEXANONE
0.233 0.325 0.443 0.585 0.591 0.574 0.531 0.493 0.472 27.90

72) ETHYL METHACRYLATE
0.415 0.468 0.656 0.845 0.850 0.822 0.760 0.710 0.691 24.40

73) TETRACHLOROETHYLENE
0.644 0.683 0.666 0.676 0.673 0.658 0.644 0.619 0.616 0.653 3.69

74) DIBROMOCHLOROMETHANE
0.715 0.842 0.873 1.176 1.250 1.246 1.218 1.142 1.097 1.062 18.77

75) 1,2-DIBROMOETHANE
0.681 0.799 0.823 0.977 0.995 0.980 0.942 0.883 0.846 0.881 11.86

76) OCTANE
0.700 0.733 0.747 0.900 1.071 1.044 0.998 0.900 0.813 0.878 15.80

77) 1,1,1,2-TETRACHLOROETHANE
0.577 0.692 0.702 0.776 0.792 0.785 0.781 0.758 0.737 0.733 9.39

78) CHLOROBENZENE
1.220 1.285 1.284 1.407 1.369 1.339 1.303 1.220 1.157 1.287 6.14

79) ETHYLBENZENE
1.583 1.594 1.630 1.933 2.151 2.119 2.023 1.847 1.714 1.844 12.18

80) m,p-XYLENE
0.513 0.551 0.573 0.732 0.835 0.816 0.797 0.756 0.725 0.700 17.44

81) o-XYLENE
0.477 0.543 0.547 0.725 0.824 0.797 0.781 0.731 0.687 0.679 18.53

82) STYRENE
0.623 0.702 0.741 0.933 1.219 1.207 1.173 1.109 1.059 0.974 23.89

83) NONANE

Initial Calibration Summary

Job Number: JE2491 **Sample:** V5W2125-ICC2125
Account: GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55466.D
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

```
           0.750 0.718 0.774 1.007 1.144 1.086 1.032 0.914 0.824   0.917   17.15
 84)  BROMOFORM
                       0.501 1.084 1.201 1.242 1.235 1.186 1.157   1.087   24.28
 85)  4-BROMOFLUOROBENZENE
           1.210 1.226 1.219 1.227 1.210 1.137 1.043 0.916 0.885   1.119   12.30
 86)  1,1,2,2-TETRACHLOROETHANE
           1.262 1.289 1.357 1.499 1.521 1.487 1.426 1.287 1.157   1.365    9.23
 87)  1,2,3-TRICHLOROPROPANE
           0.891 0.980 1.032 1.124 1.106 1.051 0.976 0.885 0.824   0.986   10.48
 88)  ISOPROPYLBENZENE
           1.803 1.855 1.905 2.266 2.459 2.358 2.258 2.075 1.932   2.101   11.45
 89)  BROMOBENZENE
           1.162 1.130 1.156 1.312 1.323 1.252 1.198 1.112 1.036   1.187    7.99
 90)  2-CHLOROTOLUENE
           0.374 0.427 0.468 0.553 0.625 0.600 0.581 0.563 0.547   0.526   16.03
 91)  n-PROPYLBENZENE
           0.347 0.392 0.455 0.569 0.653 0.631 0.605 0.582 0.561   0.533   20.36
 92)  4-ETHYLTOLUENE
           1.385 1.501 1.571 2.076 2.427 2.340 2.236 2.043 1.874   1.939   19.59
 93)  1,3,5-TRIMETHYLBENZENE
           1.141 1.303 1.374 1.843 2.053 1.974 1.882 1.739 1.609   1.657   19.36
 94)  ALPHA-METHYLSTYRENE
                       0.571 0.796 1.022 1.013 0.992 0.955 0.914   0.895   18.17
 95)  tert-BUTYLBENZENE
                  0.245 0.266 0.355 0.422 0.416 0.413 0.398 0.379   0.362   19.16
 96)  1,2,4-TRIMETHYLBENZENE
           1.221 1.230 1.427 1.913 2.186 2.127 2.062 1.835 1.650   1.739   21.59
 97)  m-DICHLOROBENZENE
           1.119 1.133 1.269 1.487 1.561 1.547 1.506 1.397 1.304   1.369   12.50
 98)  BENZYL CHLORIDE
                       1.375 1.687 2.118 2.187 2.134 1.891 1.674   1.866   16.21
 99)  p-DICHLOROBENZENE
           0.984 1.133 1.192 1.448 1.482 1.425 1.355 1.278 1.208   1.278   12.91
100)  sec-BUTYLBENZENE
           0.306 0.333 0.367 0.477 0.526 0.503 0.479 0.455 0.439   0.432   18.07
101)  1,2,3-TRIMETHYLBENZENE
           1.240 1.378 1.471 1.907 2.189 2.108 2.035 1.865 1.703   1.766   19.16
102)  p-ISOPROPYLTOLUENE
           0.336 0.381 0.413 0.572 0.621 0.592 0.575 0.554 0.522   0.507   20.35
103)  o-DICHLOROBENZENE
           1.043 1.139 1.204 1.380 1.413 1.355 1.280 1.216 1.156   1.243    9.94
104)  n-BUTYLBENZENE
           0.263 0.320 0.367 0.470 0.582 0.570 0.560 0.545 0.524   0.467   25.69
105)  HEXACHLOROETHANE
           0.643 0.685 0.711 0.955 1.031 1.027 1.003 0.931 0.846   0.870   17.76
106)  HEXACHLOROBUTADIENE
           1.035 0.992 0.972 1.094 1.175 1.345 1.383 1.333 1.195   1.169   13.47
107)  1,2,4-TRICHLOROBENZENE
                       0.916 0.940 1.038 1.217 1.230 1.238 1.173   1.107   12.67
108)  NAPHTHALENE
                       1.915 2.112 2.486 2.887 2.742 2.445         2.431   15.12

109) I   BROMOCHLOROMETHANE (A ----------------ISTD----------------------
110)  TVHC as equiv Pentane
           0.900 0.896 1.032 0.778 0.783 0.702 0.682 0.663 0.609   0.783 E1   17.50
 ---------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          M5w2125.M         Mon Dec 09 14:41:37 2024
```

Initial Calibration Verification

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample: V5W2125-ICV2125
Lab FileID: 5W55473.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\5w55473.D Vial: 5
Acq On : 9 Dec 2024 1:55 pm Operator: benk
Sample : icv2125-10 Inst : GCMS5W
Misc : MS74484,V5W2125,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P

Method : C:\msdchem\1\methods\M5w2125.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Dec 09 14:21:09 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 140%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	BROMOCHLOROMETHANE	1.000	1.000	0.0	108	0.00	7.67
2	FREON 115	1.369	1.550	-13.2	101	0.00	3.46
3	FREON 152A	0.740	0.662	10.5	95	0.00	3.55
4	CHLORODIFLUOROMETHANE	0.384	0.376	2.1	100	0.00	3.58
5	CHLOROTRIFLUOROETHENE	1.732	1.640	5.3	102	0.00	3.61
6	DICHLORODIFLUOROMETHANE	3.654	3.452	5.5	99	0.00	3.65
7	PROPYLENE	0.920	0.715	22.3	90	0.00	3.60
8	1-CHLORO-1,1-DIFLUOROETHA	3.742	3.499	6.5	101	0.00	3.75
9	FREON 114	4.483	4.285	4.4	103	0.00	3.84
10	CHLOROMETHANE	0.471	0.409	13.2	96	0.00	3.77
11	VINYL CHLORIDE	1.659	1.513	8.8	100	0.00	3.93
12	1,3-BUTADIENE	1.114	0.994	10.8	101	0.00	4.03
13	n-BUTANE	2.136	1.839	13.9	100	0.00	4.07
14	BROMOMETHANE	1.749	1.560	10.8	104	0.00	4.23
15	CHLOROETHANE	0.758	0.680	10.3	102	0.00	4.35
16	DICHLOROFLUOROMETHANE	3.748	3.432	8.4	104	0.00	4.42
17	ACETONITRILE	1.234	1.102	10.7	102	0.00	4.62
18	ACROLEIN	0.539	0.535	0.7	106	0.00	4.71
19	FREON 123	3.773	3.394	10.0	101	0.00	4.73
20	FREON 123A	2.006	1.773	11.6	98	0.00	4.78
21	TRICHLOROFLUOROMETHANE	3.377	3.288	2.6	105	0.00	4.94
22	ISOPROPYL ALCOHOL	2.140	1.917	10.4	98	0.00	5.03
23	ACETONE	0.807	0.603	25.3	101	0.00	4.82
24	PENTANE	1.063	0.903	15.1	91	0.00	5.23
25	IODOMETHANE	2.817	2.883	-2.3	106	0.00	5.42
26	1,1-DICHLOROETHYLENE	1.047	1.010	3.5	102	0.00	5.48
27	CARBON DISULFIDE	3.028	3.051	-0.8	104	0.00	5.85
28	ETHANOL	0.784	0.618	21.2	85	0.00	4.46
29	BROMOETHENE	1.490	1.474	1.1	105	0.00	4.62
30	ACRYLONITRILE	0.838	0.581	30.7#	93	0.00	5.20
31	METHYLENE CHLORIDE	1.049	0.953	9.2	101	0.00	5.59
32	3-CHLOROPROPENE	0.484	0.475	1.9	99	0.00	5.69
33	FREON 113	1.740	1.778	-2.2	109	0.00	5.82
34	TRANS-1,2-DICHLOROETHYLEN	1.106	1.077	2.6	103	0.00	6.45
35	TERTIARY BUTYL ALCOHOL	2.013	2.303	-14.4	110	0.00	5.55
36	METHYL TERTIARY BUTYL ETH	2.835	2.868	-1.2	100	0.00	6.71
37	TETRAHYDROFURAN	0.434	0.474	-9.2	101	0.00	8.24
38	HEXANE	1.567	1.462	6.7	93	0.00	7.71
39	VINYL ACETATE	0.179	0.199	-11.2	107	0.00	6.81
40	1,1-DICHLOROETHANE	2.056	1.875	8.8	95	0.00	6.65
41	METHYL ETHYL KETONE	0.434	0.464	-6.9	97	0.00	7.06
42	cis-1,2-DICHLOROETHYLENE	1.148	1.116	2.8	101	0.00	7.50

Initial Calibration Verification

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample: V5W2125-ICV2125
Lab FileID: 5W55473.D

43		DIISOPROPYL ETHER	0.476	0.459	3.6	95	0.00	7.72
44		ETHYL ACETATE	0.320	0.334	-4.4	96	0.00	7.75
45		METHYL ACRYLATE	1.905	1.852	2.8	97	0.00	7.73
46		CHLOROFORM	2.567	2.506	2.4	103	0.00	7.81
47		2,4-DIMETHYLPENTANE	1.714	1.678	2.1	95	0.00	8.67
48		1,1,1-TRICHLOROETHANE	2.607	2.588	0.7	105	0.00	8.87
49		CARBON TETRACHLORIDE	2.755	2.815	-2.2	106	0.00	9.57
50		1,2-DICHLOROETHANE	1.670	1.609	3.7	98	0.00	8.61
51	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	108	0.00	9.83
52		BENZENE	0.725	0.689	5.0	99	0.00	9.40
53		CYCLOHEXANE	0.272	0.278	-2.2	101	0.00	9.70
54		2,3-DIMETHYLPENTANE	0.147	0.145	1.4	99	0.00	10.00
55		TRICHLOROETHYLENE	0.382	0.366	4.2	102	0.00	10.65
56		1,2-DICHLOROPROPANE	0.308	0.279	9.4	98	0.00	10.36
57		DIBROMOMETHANE	0.374	0.353	5.6	109	0.00	10.34
58		ETHYL ACRYLATE	0.485	0.507	-4.5	98	0.00	10.42
59		BROMODICHLOROMETHANE	0.667	0.656	1.6	101	0.00	10.61
60		2,2,4-TRIMETHYLPENTANE	1.101	1.060	3.7	95	0.00	10.69
61		1,4-DIOXANE	0.169	0.178	-5.3	105	0.00	10.67
62		HEPTANE	0.384	0.358	6.8	93	0.00	11.03
63		METHYL METHACRYLATE	0.241	0.246	-2.1	98	0.00	10.94
64		METHYL ISOBUTYL KETONE	0.205	0.207	-1.0	97	0.00	11.79
65		cis-1,3-DICHLOROPROPENE	0.467	0.452	3.2	94	0.00	11.73
66		TOLUENE	0.507	0.517	-2.0	101	0.00	12.96
67		1,3-DICHLOROPROPANE	0.446	0.442	0.9	100	0.00	13.01
68		trans-1,3-DICHLOROPROPENE	0.430	0.457	-6.3	99	0.00	12.41
69		1,1,2-TRICHLOROETHANE	0.306	0.292	4.6	100	0.00	12.61
70	I	CHLOROBENZENE-D5	1.000	1.000	0.0	104	0.00	15.35
71		2-HEXANONE	0.472	0.552	-16.9	97	0.00	13.36
72		ETHYL METHACRYLATE	0.691	0.833	-20.5	102	0.00	13.39
73		TETRACHLOROETHYLENE	0.653	0.683	-4.6	108	0.00	14.47
74		DIBROMOCHLOROMETHANE	1.062	1.276	-20.2	107	0.00	13.51
75		1,2-DIBROMOETHANE	0.881	0.966	-9.6	103	0.00	13.82
76		OCTANE	0.878	0.935	-6.5	93	0.00	14.33
77		1,1,1,2-TETRACHLOROETHANE	0.733	0.802	-9.4	106	0.00	15.39
78		CHLOROBENZENE	1.287	1.323	-2.8	103	0.00	15.41
79		ETHYLBENZENE	1.844	2.064	-11.9	101	0.00	15.96
80		m,p-XYLENE	0.700	0.808	-15.4	103	0.00	16.23
81		o-XYLENE	0.679	0.778	-14.6	102	0.00	16.90
82		STYRENE	0.974	1.179	-21.0	102	0.00	16.75
83		NONANE	0.917	0.971	-5.9	93	0.00	17.31
84		BROMOFORM	1.087	1.261	-16.0	106	0.00	16.29
85	S	4-BROMOFLUOROBENZENE	1.119	1.167	-4.3	107	0.00	17.59
86		1,1,2,2-TETRACHLOROETHANE	1.365	1.407	-3.1	99	0.00	16.91
87		1,2,3-TRICHLOROPROPANE	0.986	1.011	-2.5	100	0.00	17.10
88		ISOPROPYLBENZENE	2.101	2.353	-12.0	104	0.00	17.81
89		BROMOBENZENE	1.187	1.216	-2.4	101	0.00	17.91
90		2-CHLOROTOLUENE	0.526	0.618	-17.5	107	0.00	18.55
91		n-PROPYLBENZENE	0.533	0.636	-19.3	105	0.00	18.64
92		4-ETHYLTOLUENE	1.939	2.292	-18.2	102	0.00	18.88
93		1,3,5-TRIMETHYLBENZENE	1.657	1.939	-17.0	102	0.00	19.01
94		ALPHA-METHYLSTYRENE	0.895	1.017	-13.6	105	0.00	19.26
95		tert-BUTYLBENZENE	0.362	0.426	-17.7	107	0.00	19.61
96		1,2,4-TRIMETHYLBENZENE	1.739	2.096	-20.5	103	0.00	19.63
97		m-DICHLOROBENZENE	1.369	1.565	-14.3	105	0.00	19.82
98		BENZYL CHLORIDE	1.866	2.201	-18.0	105	0.00	19.81
99		p-DICHLOROBENZENE	1.278	1.435	-12.3	105	0.00	19.92
100		sec-BUTYLBENZENE	0.432	0.513	-18.8	106	0.00	20.02

Initial Calibration Verification

Job Number: JE2491 **Sample:** V5W2125-ICV2125
Account: GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55473.D
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

101		1,2,3-TRIMETHYLBENZENE	1.766	2.098	-18.8	104	0.00	20.23
102		p-ISOPROPYLTOLUENE	0.507	0.615	-21.3	108	0.00	20.26
103		o-DICHLOROBENZENE	1.243	1.380	-11.0	106	0.00	20.41
104		n-BUTYLBENZENE	0.467	0.577	-23.6	105	0.00	20.85
105		HEXACHLOROETHANE	0.870	0.978	-12.4	99	0.00	21.32
106		HEXACHLOROBUTADIENE	1.169	1.383	-18.3	107	0.00	23.37
107		1,2,4-TRICHLOROBENZENE	1.107	1.294	-16.9	111	0.00	23.22
108		NAPHTHALENE	2.431	3.137	-29.0	113	0.00	22.88
109	I	BROMOCHLOROMETHANE (A)	1.000	1.000	0.0	108	0.00	7.67
110		TVHC as equiv Pentane	7.828	6.032	22.9	93	0.00	5.23

(#) = Out of Range SPCC's out = 0 CCC's out = 0
5w55466.D M5w2125.M Mon Dec 09 14:42:33 2024

Continuing Calibration Summary

Job Number: JE2491 **Sample:** V5W2132-CC2125
Account: GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55664.D
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\5w55664.D Vial: 1
Acq On : 16 Dec 2024 1:21 pm Operator: thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS87926,V5W2132,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P

Method : C:\msdchem\1\methods\M5w2125.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Dec 09 14:21:09 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 140%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	BROMOCHLOROMETHANE	1.000	1.000	0.0	95	0.00	7.67
2	FREON 115	1.369	1.509	-10.2	86	0.00	3.47
3	FREON 152A	0.740	0.803	-8.5	101	0.00	3.55
4	CHLORODIFLUOROMETHANE	0.384	0.487	-26.8	114	0.00	3.58
5	CHLOROTRIFLUOROETHENE	1.732	1.533	11.5	84	0.00	3.61
6	DICHLORODIFLUOROMETHANE	3.654	4.132	-13.1	104	0.00	3.66
7	PROPYLENE	0.920	0.943	-2.5	104	0.00	3.60
8	1-CHLORO-1,1-DIFLUOROETHA	3.742	4.183	-11.8	106	0.00	3.76
9	FREON 114	4.483	4.708	-5.0	99	0.00	3.85
10	CHLOROMETHANE	0.471	0.394	16.3	81	0.00	3.78
11	VINYL CHLORIDE	1.659	1.632	1.6	95	0.00	3.93
12	1,3-BUTADIENE	1.114	0.977	12.3	87	0.00	4.03
13	n-BUTANE	2.136	1.897	11.2	90	0.00	4.07
14	BROMOMETHANE	1.749	1.632	6.7	95	0.00	4.23
15	CHLOROETHANE	0.758	0.760	-0.3	100	0.00	4.36
16	DICHLOROFLUOROMETHANE	3.748	4.011	-7.0	107	0.00	4.42
17	ACETONITRILE	1.234	1.125	8.8	91	0.00	4.62
18	ACROLEIN	0.539	0.523	3.0	91	0.00	4.71
19	FREON 123	3.773	3.893	-3.2	102	0.00	4.74
20	FREON 123A	2.006	1.871	6.7	90	0.00	4.78
21	TRICHLOROFLUOROMETHANE	3.377	3.700	-9.6	104	0.00	4.95
22	ISOPROPYL ALCOHOL	2.140	2.237	-4.5	100	0.00	5.03
23	ACETONE	0.807	0.624	22.7	91	0.00	4.82
24	PENTANE	1.063	1.144	-7.6	101	0.00	5.23
25	IODOMETHANE	2.817	3.120	-10.8	100	0.00	5.42
26	1,1-DICHLOROETHYLENE	1.047	1.134	-8.3	101	0.00	5.48
27	CARBON DISULFIDE	3.028	3.575	-18.1	106	0.00	5.85
28	ETHANOL	0.784	0.675	13.9	82	0.00	4.46
29	BROMOETHENE	1.490	1.431	4.0	90	0.00	4.62
30	ACRYLONITRILE	0.838	0.660	21.2	93	0.00	5.20
31	METHYLENE CHLORIDE	1.049	1.099	-4.8	102	0.00	5.59
32	3-CHLOROPROPENE	0.484	0.581	-20.0	106	0.00	5.69
33	FREON 113	1.740	1.994	-14.6	107	0.00	5.82
34	TRANS-1,2-DICHLOROETHYLEN	1.106	1.210	-9.4	101	0.00	6.45
35	TERTIARY BUTYL ALCOHOL	2.013	2.500	-24.2	105	0.00	5.55
36	METHYL TERTIARY BUTYL ETH	2.835	3.591	-26.7	110	0.00	6.71
37	TETRAHYDROFURAN	0.434	0.578	-33.2#	108	0.00	8.24
38	HEXANE	1.567	1.727	-10.2	96	0.00	7.71
39	VINYL ACETATE	0.179	0.218	-21.8	103	0.00	6.81
40	1,1-DICHLOROETHANE	2.056	2.342	-13.9	104	0.00	6.65
41	METHYL ETHYL KETONE	0.434	0.581	-33.9#	106	0.00	7.06
42	cis-1,2-DICHLOROETHYLENE	1.148	1.257	-9.5	100	0.00	7.50

Continuing Calibration Summary

Job Number: JE2491 **Sample:** V5W2132-CC2125
Account: GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55664.D
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

43		DIISOPROPYL ETHER	0.476	0.546	-14.7	100	0.00	7.72
44		ETHYL ACETATE	0.320	0.411	-28.4	103	0.00	7.75
45		METHYL ACRYLATE	1.905	2.129	-11.8	98	0.00	7.73
46		CHLOROFORM	2.567	2.995	-16.7	108	0.00	7.81
47		2,4-DIMETHYLPENTANE	1.714	1.995	-16.4	100	0.00	8.66
48		1,1,1-TRICHLOROETHANE	2.607	3.019	-15.8	107	0.00	8.87
49		CARBON TETRACHLORIDE	2.755	3.105	-12.7	102	0.00	9.57
50		1,2-DICHLOROETHANE	1.670	2.143	-28.3	115	0.00	8.60
51	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	99	0.00	9.83
52		BENZENE	0.725	0.799	-10.2	104	0.00	9.40
53		CYCLOHEXANE	0.272	0.319	-17.3	105	0.00	9.70
54		2,3-DIMETHYLPENTANE	0.147	0.171	-16.3	107	0.00	10.00
55		TRICHLOROETHYLENE	0.382	0.407	-6.5	103	0.00	10.65
56		1,2-DICHLOROPROPANE	0.308	0.324	-5.2	103	0.00	10.36
57		DIBROMOMETHANE	0.374	0.439	-17.4	124	0.00	10.33
58		ETHYL ACRYLATE	0.485	0.574	-18.4	101	0.00	10.41
59		BROMODICHLOROMETHANE	0.667	0.785	-17.7	110	0.00	10.61
60		2,2,4-TRIMETHYLPENTANE	1.101	1.197	-8.7	98	0.00	10.68
61		1,4-DIOXANE	0.169	0.187	-10.7	100	0.00	10.67
62		HEPTANE	0.384	0.434	-13.0	103	0.00	11.03
63		METHYL METHACRYLATE	0.241	0.302	-25.3	109	0.00	10.94
64		METHYL ISOBUTYL KETONE	0.205	0.241	-17.6	102	0.00	11.79
65		cis-1,3-DICHLOROPROPENE	0.467	0.570	-22.1	108	0.00	11.73
66		TOLUENE	0.507	0.558	-10.1	99	0.00	12.96
67		1,3-DICHLOROPROPANE	0.446	0.515	-15.5	106	0.00	13.00
68		trans-1,3-DICHLOROPROPENE	0.430	0.547	-27.2	108	0.00	12.40
69		1,1,2-TRICHLOROETHANE	0.306	0.334	-9.2	105	0.00	12.61
70	I	CHLOROBENZENE-D5	1.000	1.000	0.0	113	0.00	15.35
71		2-HEXANONE	0.472	0.526	-11.4	101	0.00	13.36
72		ETHYL METHACRYLATE	0.691	0.812	-17.5	108	0.00	13.39
73		TETRACHLOROETHYLENE	0.653	0.653	0.0	113	0.00	14.47
74		DIBROMOCHLOROMETHANE	1.062	1.013	4.6	92	0.00	13.51
75		1,2-DIBROMOETHANE	0.881	0.800	9.2	93	0.00	13.82
76		OCTANE	0.878	0.951	-8.3	103	0.00	14.32
77		1,1,1,2-TETRACHLOROETHANE	0.733	0.628	14.3	91	0.00	15.39
78		CHLOROBENZENE	1.287	1.071	16.8	91	0.00	15.41
79		ETHYLBENZENE	1.844	1.878	-1.8	101	0.00	15.96
80		m,p-XYLENE	0.700	0.656	6.3	91	0.00	16.23
81		o-XYLENE	0.679	0.636	6.3	91	0.00	16.90
82		STYRENE	0.974	0.975	-0.1	92	0.00	16.75
83		NONANE	0.917	1.005	-9.6	105	0.00	17.31
84		BROMOFORM	1.087	1.349	-24.1	123	0.00	16.29
85	S	4-BROMOFLUOROBENZENE	1.119	1.107	1.1	110	0.00	17.59
86		1,1,2,2-TETRACHLOROETHANE	1.365	1.338	2.0	102	0.00	16.90
87		1,2,3-TRICHLOROPROPANE	0.986	0.982	0.4	106	0.00	17.10
88		ISOPROPYLBENZENE	2.101	1.922	8.5	92	0.00	17.81
89		BROMOBENZENE	1.187	1.167	1.7	106	0.00	17.90
90		2-CHLOROTOLUENE	0.526	0.464	11.8	88	0.00	18.55
91		n-PROPYLBENZENE	0.533	0.485	9.0	87	0.00	18.63
92		4-ETHYLTOLUENE	1.939	1.920	1.0	93	0.00	18.88
93		1,3,5-TRIMETHYLBENZENE	1.657	1.590	4.0	91	0.00	19.01
94		ALPHA-METHYLSTYRENE	0.895	0.780	12.8	87	0.00	19.26
95		tert-BUTYLBENZENE	0.362	0.310	14.4	85	0.00	19.61
96		1,2,4-TRIMETHYLBENZENE	1.739	1.707	1.8	91	0.00	19.62
97		m-DICHLOROBENZENE	1.369	1.263	7.7	93	0.00	19.81
98		BENZYL CHLORIDE	1.866	1.884	-1.0	98	0.00	19.81
99		p-DICHLOROBENZENE	1.278	1.172	8.3	93	0.00	19.92
100		sec-BUTYLBENZENE	0.432	0.385	10.9	87	0.00	20.01

Continuing Calibration Summary

Job Number: JE2491 **Sample:** V5W2132-CC2125
Account: GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55664.D
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

101		1,2,3-TRIMETHYLBENZENE	1.766	1.714	2.9	92	0.00	20.23
102		p-ISOPROPYLTOLUENE	0.507	0.444	12.4	85	0.00	20.26
103		o-DICHLOROBENZENE	1.243	1.127	9.3	94	0.00	20.40
104		n-BUTYLBENZENE	0.467	0.429	8.1	85	0.00	20.85
105		HEXACHLOROETHANE	0.870	0.882	-1.4	97	0.00	21.31
106		HEXACHLOROBUTADIENE	1.169	1.826	-56.2#	154#	-0.12	23.25
107		1,2,4-TRICHLOROBENZENE	1.107	1.256	-13.5	117	-0.10	23.12
108		NAPHTHALENE	2.431	2.128	12.5	84	-0.09	22.80
109	I	BROMOCHLOROMETHANE (A)	1.000	1.000	0.0	95	0.00	7.67
110		TVHC as equiv Pentane	7.828	7.503	4.2	102	0.00	5.23

(#) = Out of Range SPCC's out = 0 CCC's out = 0
5w55466.D M5w2125.M Mon Dec 16 17:23:33 2024

Continuing Calibration Summary

Job Number: JE2491 **Sample:** V5W2133-CC2125
Account: GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55700.D
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\g...024\V5W2133\5w55700.D Vial: 1
Acq On : 17 Dec 2024 8:32 pm Operator: thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P

Method : C:\msdchem\1\methods\M5w2125.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Dec 09 14:21:09 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 140%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	BROMOCHLOROMETHANE	1.000	1.000	0.0	84	0.00	7.67
2	FREON 115	1.369	1.616	-18.0	81	0.00	3.47
3	FREON 152A	0.740	0.821	-10.9	91	0.00	3.55
4	CHLORODIFLUOROMETHANE	0.384	0.465	-21.1	96	0.00	3.58
5	CHLOROTRIFLUOROETHENE	1.732	1.629	5.9	78	0.00	3.61
6	DICHLORODIFLUOROMETHANE	3.654	4.113	-12.6	91	0.00	3.66
7	PROPYLENE	0.920	1.032	-12.2	100	0.00	3.60
8	1-CHLORO-1,1-DIFLUOROETHA	3.742	4.360	-16.5	97	0.00	3.75
9	FREON 114	4.483	4.805	-7.2	89	0.00	3.84
10	CHLOROMETHANE	0.471	0.474	-0.6	86	0.00	3.77
11	VINYL CHLORIDE	1.659	1.714	-3.3	87	0.00	3.93
12	1,3-BUTADIENE	1.114	1.073	3.7	84	0.00	4.03
13	n-BUTANE	2.136	2.200	-3.0	92	0.00	4.07
14	BROMOMETHANE	1.749	1.690	3.4	87	0.00	4.23
15	CHLOROETHANE	0.758	0.740	2.4	85	0.00	4.35
16	DICHLOROFLUOROMETHANE	3.748	3.935	-5.0	92	0.00	4.42
17	ACETONITRILE	1.234	1.331	-7.9	95	0.00	4.62
18	ACROLEIN	0.539	0.585	-8.5	90	0.00	4.71
19	FREON 123	3.773	4.021	-6.6	92	0.00	4.73
20	FREON 123A	2.006	2.013	-0.3	85	0.00	4.78
21	TRICHLOROFLUOROMETHANE	3.377	3.683	-9.1	91	0.00	4.94
22	ISOPROPYL ALCOHOL	2.140	2.334	-9.1	92	0.00	5.03
23	ACETONE	0.807	0.651	19.3	84	0.00	4.82
24	PENTANE	1.063	1.238	-16.5	96	0.00	5.23
25	IODOMETHANE	2.817	3.362	-19.3	95	0.00	5.42
26	1,1-DICHLOROETHYLENE	1.047	1.155	-10.3	90	0.00	5.48
27	CARBON DISULFIDE	3.028	3.682	-21.6	96	0.00	5.85
28	ETHANOL	0.784	0.789	-0.6	84	0.00	4.45
29	BROMOETHENE	1.490	1.544	-3.6	85	0.00	4.62
30	ACRYLONITRILE	0.838	0.729	13.0	91	0.00	5.20
31	METHYLENE CHLORIDE	1.049	1.130	-7.7	93	0.00	5.59
32	3-CHLOROPROPENE	0.484	0.599	-23.8	96	0.00	5.69
33	FREON 113	1.740	2.151	-23.6	102	0.00	5.82
34	TRANS-1,2-DICHLOROETHYLEN	1.106	1.218	-10.1	90	0.00	6.45
35	TERTIARY BUTYL ALCOHOL	2.013	2.534	-25.9	93	0.00	5.54
36	METHYL TERTIARY BUTYL ETH	2.835	3.531	-24.6	95	0.00	6.71
37	TETRAHYDROFURAN	0.434	0.582	-34.1#	95	0.00	8.24
38	HEXANE	1.567	1.867	-19.1	92	0.00	7.70
39	VINYL ACETATE	0.179	0.213	-19.0	89	0.00	6.81
40	1,1-DICHLOROETHANE	2.056	2.409	-17.2	94	0.00	6.65
41	METHYL ETHYL KETONE	0.434	0.591	-36.2#	95	0.00	7.05
42	cis-1,2-DICHLOROETHYLENE	1.148	1.282	-11.7	90	0.00	7.50

Continuing Calibration Summary

Job Number: JE2491 **Sample:** V5W2133-CC2125
Account: GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55700.D
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

43		DIISOPROPYL ETHER	0.476	0.568	-19.3	91	0.00	7.72
44		ETHYL ACETATE	0.320	0.430	-34.4#	95	0.00	7.75
45		METHYL ACRYLATE	1.905	2.409	-26.5	97	0.00	7.73
46		CHLOROFORM	2.567	3.047	-18.7	97	0.00	7.81
47		2,4-DIMETHYLPENTANE	1.714	2.103	-22.7	92	0.00	8.66
48		1,1,1-TRICHLOROETHANE	2.607	3.046	-16.8	95	0.00	8.87
49		CARBON TETRACHLORIDE	2.755	3.193	-15.9	93	0.00	9.57
50		1,2-DICHLOROETHANE	1.670	2.148	-28.6	101	0.00	8.60
51	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	87	0.00	9.83
52		BENZENE	0.725	0.806	-11.2	93	0.00	9.39
53		CYCLOHEXANE	0.272	0.313	-15.1	91	0.00	9.70
54		2,3-DIMETHYLPENTANE	0.147	0.171	-16.3	95	0.00	10.00
55		TRICHLOROETHYLENE	0.382	0.406	-6.3	91	0.00	10.65
56		1,2-DICHLOROPROPANE	0.308	0.329	-6.8	93	0.00	10.35
57		DIBROMOMETHANE	0.374	0.462	-23.5	115	0.00	10.33
58		ETHYL ACRYLATE	0.485	0.633	-30.5#	99	0.00	10.41
59		BROMODICHLOROMETHANE	0.667	0.790	-18.4	98	0.00	10.60
60		2,2,4-TRIMETHYLPENTANE	1.101	1.269	-15.3	92	0.00	10.68
61		1,4-DIOXANE	0.169	0.189	-11.8	90	0.00	10.67
62		HEPTANE	0.384	0.476	-24.0	100	0.00	11.03
63		METHYL METHACRYLATE	0.241	0.303	-25.7	97	0.00	10.94
64		METHYL ISOBUTYL KETONE	0.205	0.248	-21.0	93	0.00	11.79
65		cis-1,3-DICHLOROPROPENE	0.467	0.570	-22.1	96	0.00	11.72
66		TOLUENE	0.507	0.551	-8.7	87	0.00	12.96
67		1,3-DICHLOROPROPANE	0.446	0.516	-15.7	94	0.00	13.00
68		trans-1,3-DICHLOROPROPENE	0.430	0.542	-26.0	95	0.00	12.40
69		1,1,2-TRICHLOROETHANE	0.306	0.338	-10.5	94	0.00	12.61
70	I	CHLOROBENZENE-D5	1.000	1.000	0.0	95	0.00	15.35
71		2-HEXANONE	0.472	0.575	-21.8	92	0.00	13.36
72		ETHYL METHACRYLATE	0.691	0.859	-24.3	96	0.00	13.39
73		TETRACHLOROETHYLENE	0.653	0.715	-9.5	103	0.00	14.47
74		DIBROMOCHLOROMETHANE	1.062	1.099	-3.5	84	0.00	13.51
75		1,2-DIBROMOETHANE	0.881	0.901	-2.3	87	0.00	13.82
76		OCTANE	0.878	1.107	-26.1	101	0.00	14.32
77		1,1,1,2-TETRACHLOROETHANE	0.733	0.698	4.8	84	0.00	15.39
78		CHLOROBENZENE	1.287	1.199	6.8	85	0.00	15.40
79		ETHYLBENZENE	1.844	2.000	-8.5	89	0.00	15.96
80		m,p-XYLENE	0.700	0.722	-3.1	84	0.00	16.23
81		o-XYLENE	0.679	0.712	-4.9	85	0.00	16.90
82		STYRENE	0.974	1.083	-11.2	85	0.00	16.75
83		NONANE	0.917	1.169	-27.5	102	0.00	17.31
84		BROMOFORM	1.087	1.501	-38.1#	115	0.00	16.29
85	S	4-BROMOFLUOROBENZENE	1.119	1.131	-1.1	94	0.00	17.59
86		1,1,2,2-TETRACHLOROETHANE	1.365	1.454	-6.5	93	0.00	16.90
87		1,2,3-TRICHLOROPROPANE	0.986	1.059	-7.4	95	0.00	17.10
88		ISOPROPYLBENZENE	2.101	2.126	-1.2	85	0.00	17.81
89		BROMOBENZENE	1.187	1.257	-5.9	95	0.00	17.90
90		2-CHLOROTOLUENE	0.526	0.529	-0.6	84	0.00	18.55
91		n-PROPYLBENZENE	0.533	0.549	-3.0	82	0.00	18.63
92		4-ETHYLTOLUENE	1.939	2.116	-9.1	86	0.00	18.88
93		1,3,5-TRIMETHYLBENZENE	1.657	1.768	-6.7	85	0.00	19.01
94		ALPHA-METHYLSTYRENE	0.895	0.874	2.3	82	0.00	19.25
95		tert-BUTYLBENZENE	0.362	0.355	1.9	81	0.00	19.61
96		1,2,4-TRIMETHYLBENZENE	1.739	1.921	-10.5	86	0.00	19.62
97		m-DICHLOROBENZENE	1.369	1.467	-7.2	90	0.00	19.81
98		BENZYL CHLORIDE	1.866	2.070	-10.9	90	0.00	19.81
99		p-DICHLOROBENZENE	1.278	1.361	-6.5	91	0.00	19.92
100		sec-BUTYLBENZENE	0.432	0.431	0.2	81	0.00	20.01

Continuing Calibration Summary

Job Number: JE2491 **Sample:** V5W2133-CC2125
Account: GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55700.D
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

101		1,2,3-TRIMETHYLBENZENE	1.766	1.920	-8.7	86	0.00	20.23
102		p-ISOPROPYLTOLUENE	0.507	0.506	0.2	81	0.00	20.26
103		o-DICHLOROBENZENE	1.243	1.301	-4.7	91	0.00	20.40
104		n-BUTYLBENZENE	0.467	0.491	-5.1	82	0.00	20.85
105		HEXACHLOROETHANE	0.870	0.996	-14.5	92	0.00	21.32
106		HEXACHLOROBUTADIENE	1.169	1.903	-62.8#	134	0.00	23.36
107		1,2,4-TRICHLOROBENZENE	1.107	1.545	-39.6#	120	0.00	23.21
108		NAPHTHALENE	2.431	2.518	-3.6	83	0.00	22.88
109	I	BROMOCHLOROMETHANE (A)	1.000	1.000	0.0	84	0.00	7.67
110		TVHC as equiv Pentane	7.828	8.146	-4.1	97	0.00	5.23

(#) = Out of Range SPCC's out = 0 CCC's out = 0
5w55466.D M5w2125.M Wed Dec 18 19:06:51 2024

Continuing Calibration Summary

Job Number: JE2491 **Sample:** V5W2136-CC2125
Account: GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55778.D
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\l...024\v5w2136\5w55778.D Vial: 1
Acq On : 20 Dec 2024 1:06 pm Operator: thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2136,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P

Method : C:\msdchem\1\methods\M5w2125.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Dec 09 14:21:09 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 140%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	BROMOCHLOROMETHANE	1.000	1.000	0.0	94	0.00	7.67
2	FREON 115	1.369	1.829	-33.6#	103	0.00	3.47
3	FREON 152A	0.740	0.932	-25.9	116	0.00	3.55
4	CHLORODIFLUOROMETHANE	0.384	0.479	-24.7	111	0.00	3.58
5	CHLOROTRIFLUOROETHENE	1.732	1.952	-12.7	105	0.00	3.61
6	DICHLORODIFLUOROMETHANE	3.654	4.366	-19.5	109	0.00	3.66
7	PROPYLENE	0.920	1.099	-19.5	120	0.00	3.60
8	1-CHLORO-1,1-DIFLUOROETHA	3.742	3.584	4.2	90	0.00	3.75
9	FREON 114	4.483	4.024	10.2	84	0.00	3.85
10	CHLOROMETHANE	0.471	0.387	17.8	79	0.00	3.77
11	VINYL CHLORIDE	1.659	1.396	15.9	80	0.00	3.93
12	1,3-BUTADIENE	1.114	0.866	22.3	76	0.00	4.03
13	n-BUTANE	2.136	1.749	18.1	82	0.00	4.07
14	BROMOMETHANE	1.749	1.427	18.4	82	0.00	4.23
15	CHLOROETHANE	0.758	0.620	18.2	80	0.00	4.35
16	DICHLOROFLUOROMETHANE	3.748	3.212	14.3	84	0.00	4.42
17	ACETONITRILE	1.234	1.053	14.7	85	0.00	4.62
18	ACROLEIN	0.539	0.472	12.4	81	0.00	4.71
19	FREON 123	3.773	3.371	10.7	87	0.00	4.73
20	FREON 123A	2.006	1.770	11.8	85	0.00	4.78
21	TRICHLOROFLUOROMETHANE	3.377	3.737	-10.7	104	0.00	4.95
22	ISOPROPYL ALCOHOL	2.140	2.377	-11.1	105	0.00	5.03
23	ACETONE	0.807	0.548	32.1#	79	0.00	4.82
24	PENTANE	1.063	1.235	-16.2	108	0.00	5.23
25	IODOMETHANE	2.817	3.398	-20.6	108	0.00	5.42
26	1,1-DICHLOROETHYLENE	1.047	1.167	-11.5	103	0.00	5.48
27	CARBON DISULFIDE	3.028	3.654	-20.7	108	0.00	5.85
28	ETHANOL	0.784	0.638	18.6	77	0.00	4.46
29	BROMOETHENE	1.490	1.362	8.6	84	0.00	4.62
30	ACRYLONITRILE	0.838	0.730	12.9	102	0.00	5.20
31	METHYLENE CHLORIDE	1.049	1.120	-6.8	103	0.00	5.59
32	3-CHLOROPROPENE	0.484	0.603	-24.6	109	0.00	5.69
33	FREON 113	1.740	2.168	-24.6	115	0.00	5.82
34	TRANS-1,2-DICHLOROETHYLEN	1.106	1.253	-13.3	104	0.00	6.45
35	TERTIARY BUTYL ALCOHOL	2.013	2.456	-22.0	102	0.00	5.55
36	METHYL TERTIARY BUTYL ETH	2.835	3.568	-25.9	108	0.00	6.71
37	TETRAHYDROFURAN	0.434	0.590	-35.9#	109	0.00	8.24
38	HEXANE	1.567	1.823	-16.3	101	0.00	7.70
39	VINYL ACETATE	0.179	0.228	-27.4	107	0.00	6.81
40	1,1-DICHLOROETHANE	2.056	2.378	-15.7	105	0.00	6.65
41	METHYL ETHYL KETONE	0.434	0.587	-35.3#	106	0.00	7.06
42	cis-1,2-DICHLOROETHYLENE	1.148	1.297	-13.0	102	0.00	7.50

Continuing Calibration Summary

Job Number: JE2491 **Sample:** V5W2136-CC2125
Account: GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55778.D
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

43		DIISOPROPYL ETHER	0.476	0.554	-16.4	100	0.00	7.71
44		ETHYL ACETATE	0.320	0.422	-31.9#	105	0.00	7.75
45		METHYL ACRYLATE	1.905	2.323	-21.9	105	0.00	7.73
46		CHLOROFORM	2.567	3.017	-17.5	108	0.00	7.81
47		2,4-DIMETHYLPENTANE	1.714	2.099	-22.5	104	0.00	8.66
48		1,1,1-TRICHLOROETHANE	2.607	3.007	-15.3	106	0.00	8.87
49		CARBON TETRACHLORIDE	2.755	3.201	-16.2	104	0.00	9.57
50		1,2-DICHLOROETHANE	1.670	2.039	-22.1	108	0.00	8.60
51	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	97	0.00	9.83
52		BENZENE	0.725	0.830	-14.5	107	0.00	9.39
53		CYCLOHEXANE	0.272	0.322	-18.4	104	0.00	9.69
54		2,3-DIMETHYLPENTANE	0.147	0.178	-21.1	110	0.00	10.00
55		TRICHLOROETHYLENE	0.382	0.410	-7.3	103	0.00	10.65
56		1,2-DICHLOROPROPANE	0.308	0.331	-7.5	104	0.00	10.36
57		DIBROMOMETHANE	0.374	0.489	-30.7#	136	0.00	10.33
58		ETHYL ACRYLATE	0.485	0.624	-28.7	108	0.00	10.41
59		BROMODICHLOROMETHANE	0.667	0.781	-17.1	108	0.00	10.60
60		2,2,4-TRIMETHYLPENTANE	1.101	1.253	-13.8	101	0.00	10.68
61		1,4-DIOXANE	0.169	0.194	-14.8	103	0.00	10.67
62		HEPTANE	0.384	0.465	-21.1	109	0.00	11.03
63		METHYL METHACRYLATE	0.241	0.301	-24.9	107	0.00	10.94
64		METHYL ISOBUTYL KETONE	0.205	0.245	-19.5	103	0.00	11.79
65		cis-1,3-DICHLOROPROPENE	0.467	0.577	-23.6	108	0.00	11.72
66		TOLUENE	0.507	0.570	-12.4	100	0.00	12.96
67		1,3-DICHLOROPROPANE	0.446	0.527	-18.2	107	0.00	13.00
68		trans-1,3-DICHLOROPROPENE	0.430	0.552	-28.4	108	0.00	12.40
69		1,1,2-TRICHLOROETHANE	0.306	0.342	-11.8	106	0.00	12.61
70	I	CHLOROBENZENE-D5	1.000	1.000	0.0	102	0.00	15.34
71		2-HEXANONE	0.472	0.590	-25.0	102	0.00	13.36
72		ETHYL METHACRYLATE	0.691	0.888	-28.5	107	0.00	13.39
73		TETRACHLOROETHYLENE	0.653	0.765	-17.2	119	0.00	14.47
74		DIBROMOCHLOROMETHANE	1.062	1.166	-9.8	96	0.00	13.51
75		1,2-DIBROMOETHANE	0.881	0.954	-8.3	100	0.00	13.82
76		OCTANE	0.878	1.110	-26.4	109	0.00	14.33
77		1,1,1,2-TETRACHLOROETHANE	0.733	0.745	-1.6	97	0.00	15.38
78		CHLOROBENZENE	1.287	1.273	1.1	97	0.00	15.40
79		ETHYLBENZENE	1.844	2.107	-14.3	102	0.00	15.96
80		m,p-XYLENE	0.700	0.767	-9.6	96	0.00	16.23
81		o-XYLENE	0.679	0.738	-8.7	95	0.00	16.90
82		STYRENE	0.974	1.159	-19.0	98	0.00	16.75
83		NONANE	0.917	1.158	-26.3	109	0.00	17.31
84		BROMOFORM	1.087	1.585	-45.8#	131	0.00	16.29
85	S	4-BROMOFLUOROBENZENE	1.119	1.126	-0.6	101	0.00	17.59
86		1,1,2,2-TETRACHLOROETHANE	1.365	1.462	-7.1	101	0.00	16.90
87		1,2,3-TRICHLOROPROPANE	0.986	1.085	-10.0	106	0.00	17.09
88		ISOPROPYLBENZENE	2.101	2.267	-7.9	98	0.00	17.81
89		BROMOBENZENE	1.187	1.300	-9.5	106	0.00	17.90
90		2-CHLOROTOLUENE	0.526	0.579	-10.1	99	0.00	18.55
91		n-PROPYLBENZENE	0.533	0.597	-12.0	97	0.00	18.63
92		4-ETHYLTOLUENE	1.939	2.252	-16.1	99	0.00	18.88
93		1,3,5-TRIMETHYLBENZENE	1.657	1.875	-13.2	97	0.00	19.01
94		ALPHA-METHYLSTYRENE	0.895	0.944	-5.5	95	0.00	19.26
95		tert-BUTYLBENZENE	0.362	0.386	-6.6	95	0.00	19.61
96		1,2,4-TRIMETHYLBENZENE	1.739	1.990	-14.4	96	0.00	19.62
97		m-DICHLOROBENZENE	1.369	1.526	-11.5	101	0.00	19.81
98		BENZYL CHLORIDE	1.866	2.075	-11.2	97	0.00	19.81
99		p-DICHLOROBENZENE	1.278	1.443	-12.9	104	0.00	19.92
100		sec-BUTYLBENZENE	0.432	0.467	-8.1	95	0.00	20.01

Continuing Calibration Summary

Job Number: JE2491 **Sample:** V5W2136-CC2125
Account: GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55778.D
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

101		1,2,3-TRIMETHYLBENZENE	1.766	2.014	-14.0	98	0.00	20.23
102		p-ISOPROPYLTOLUENE	0.507	0.547	-7.9	95	0.00	20.26
103		o-DICHLOROBENZENE	1.243	1.375	-10.6	104	0.00	20.40
104		n-BUTYLBENZENE	0.467	0.543	-16.3	97	0.00	20.85
105		HEXACHLOROETHANE	0.870	1.021	-17.4	102	0.00	21.31
106		HEXACHLOROBUTADIENE	1.169	2.077	-77.7#	158#	-0.12	23.25
107		1,2,4-TRICHLOROBENZENE	1.107	1.741	-57.3#	146#	-0.10	23.12
108		NAPHTHALENE	2.431	2.784	-14.5	99	-0.09	22.80
109	I	BROMOCHLOROMETHANE (A)	1.000	1.000	0.0	94	0.00	7.67
110		TVHC as equiv Pentane	7.828	7.982	-2.0	107	0.00	5.23

(#) = Out of Range SPCC's out = 0 CCC's out = 0
5w55466.D M5w2125.M Mon Dec 23 07:14:11 2024

Continuing Calibration Summary

Job Number: JE2491 **Sample:** V5W2138-CC2125
Account: GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55819.D
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\g...024\V5w2138\5w55819.D Vial: 1
Acq On : 23 Dec 2024 9:11 am Operator: thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P

Method : C:\msdchem\1\methods\M5w2125.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Dec 09 14:21:09 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 140%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	BROMOCHLOROMETHANE	1.000	1.000	0.0	78	0.00	7.67
2	FREON 115	1.369	1.576	-15.1	73	0.00	3.47
3	FREON 152A	0.740	0.755	-2.0	77	0.00	3.55
4	CHLORODIFLUOROMETHANE	0.384	0.424	-10.4	81	0.00	3.58
5	CHLOROTRIFLUOROETHENE	1.732	1.650	4.7	73	0.00	3.61
6	DICHLORODIFLUOROMETHANE	3.654	3.849	-5.3	79	0.00	3.66
7	PROPYLENE	0.920	0.899	2.3	81	0.00	3.60
8	1-CHLORO-1,1-DIFLUOROETHA	3.742	4.017	-7.3	83	0.00	3.75
9	FREON 114	4.483	4.880	-8.9	84	0.00	3.84
10	CHLOROMETHANE	0.471	0.457	3.0	77	0.00	3.77
11	VINYL CHLORIDE	1.659	1.758	-6.0	83	0.00	3.93
12	1,3-BUTADIENE	1.114	1.101	1.2	80	0.00	4.03
13	n-BUTANE	2.136	2.183	-2.2	85	0.00	4.07
14	BROMOMETHANE	1.749	1.720	1.7	82	0.00	4.23
15	CHLOROETHANE	0.758	0.767	-1.2	82	0.00	4.35
16	DICHLOROFLUOROMETHANE	3.748	3.850	-2.7	83	0.00	4.42
17	ACETONITRILE	1.234	1.281	-3.8	85	0.00	4.62
18	ACROLEIN	0.539	0.573	-6.3	82	0.00	4.71
19	FREON 123	3.773	3.934	-4.3	84	0.00	4.73
20	FREON 123A	2.006	2.004	0.1	79	0.00	4.78
21	TRICHLOROFLUOROMETHANE	3.377	3.559	-5.4	81	0.00	4.94
22	ISOPROPYL ALCOHOL	2.140	2.115	1.2	77	-0.01	5.02
23	ACETONE	0.807	0.643	20.3	77	0.00	4.82
24	PENTANE	1.063	1.069	-0.6	77	0.00	5.23
25	IODOMETHANE	2.817	3.248	-15.3	85	0.00	5.41
26	1,1-DICHLOROETHYLENE	1.047	1.054	-0.7	77	0.00	5.48
27	CARBON DISULFIDE	3.028	3.246	-7.2	79	0.00	5.85
28	ETHANOL	0.784	0.816	-4.1	81	0.00	4.45
29	BROMOETHENE	1.490	1.553	-4.2	79	0.00	4.62
30	ACRYLONITRILE	0.838	0.640	23.6	74	0.00	5.20
31	METHYLENE CHLORIDE	1.049	1.011	3.6	77	0.00	5.59
32	3-CHLOROPROPENE	0.484	0.533	-10.1	79	0.00	5.69
33	FREON 113	1.740	2.113	-21.4	93	0.00	5.82
34	TRANS-1,2-DICHLOROETHYLEN	1.106	1.113	-0.6	76	0.00	6.45
35	TERTIARY BUTYL ALCOHOL	2.013	2.233	-10.9	76	0.00	5.54
36	METHYL TERTIARY BUTYL ETH	2.835	3.237	-14.2	81	-0.01	6.70
37	TETRAHYDROFURAN	0.434	0.537	-23.7	82	-0.01	8.23
38	HEXANE	1.567	1.618	-3.3	74	0.00	7.70
39	VINYL ACETATE	0.179	0.207	-15.6	80	0.00	6.80
40	1,1-DICHLOROETHANE	2.056	2.126	-3.4	77	0.00	6.64
41	METHYL ETHYL KETONE	0.434	0.541	-24.7	81	0.00	7.05
42	cis-1,2-DICHLOROETHYLENE	1.148	1.169	-1.8	76	0.00	7.49

Continuing Calibration Summary

Job Number: JE2491 **Sample:** V5W2138-CC2125
Account: GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55819.D
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

43		DIISOPROPYL ETHER	0.476	0.509	-6.9	76	0.00	7.71
44		ETHYL ACETATE	0.320	0.366	-14.4	75	0.00	7.74
45		METHYL ACRYLATE	1.905	2.072	-8.8	78	0.00	7.73
46		CHLOROFORM	2.567	2.723	-6.1	80	0.00	7.80
47		2,4-DIMETHYLPENTANE	1.714	1.853	-8.1	75	0.00	8.66
48		1,1,1-TRICHLOROETHANE	2.607	2.720	-4.3	79	0.00	8.87
49		CARBON TETRACHLORIDE	2.755	2.922	-6.1	79	0.00	9.56
50		1,2-DICHLOROETHANE	1.670	1.865	-11.7	82	0.00	8.60
51	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	81	0.00	9.83
52		BENZENE	0.725	0.750	-3.4	80	0.00	9.39
53		CYCLOHEXANE	0.272	0.299	-9.9	80	0.00	9.69
54		2,3-DIMETHYLPENTANE	0.147	0.161	-9.5	82	0.00	9.99
55		TRICHLOROETHYLENE	0.382	0.378	1.0	78	-0.01	10.64
56		1,2-DICHLOROPROPANE	0.308	0.300	2.6	78	0.00	10.35
57		DIBROMOMETHANE	0.374	0.481	-28.6	111	0.00	10.33
58		ETHYL ACRYLATE	0.485	0.554	-14.2	80	-0.01	10.40
59		BROMODICHLOROMETHANE	0.667	0.711	-6.6	82	0.00	10.60
60		2,2,4-TRIMETHYLPENTANE	1.101	1.115	-1.3	74	0.00	10.68
61		1,4-DIOXANE	0.169	0.178	-5.3	78	-0.01	10.66
62		HEPTANE	0.384	0.419	-9.1	81	0.00	11.02
63		METHYL METHACRYLATE	0.241	0.280	-16.2	83	0.00	10.93
64		METHYL ISOBUTYL KETONE	0.205	0.226	-10.2	79	-0.01	11.78
65		cis-1,3-DICHLOROPROPENE	0.467	0.529	-13.3	82	0.00	11.73
66		TOLUENE	0.507	0.535	-5.5	78	0.00	12.95
67		1,3-DICHLOROPROPANE	0.446	0.477	-7.0	80	-0.01	13.00
68		trans-1,3-DICHLOROPROPENE	0.430	0.501	-16.5	81	-0.01	12.40
69		1,1,2-TRICHLOROETHANE	0.306	0.311	-1.6	80	0.00	12.61
70	I	CHLOROBENZENE-D5	1.000	1.000	0.0	84	0.00	15.34
71		2-HEXANONE	0.472	0.549	-16.3	78	-0.01	13.35
72		ETHYL METHACRYLATE	0.691	0.834	-20.7	83	0.00	13.38
73		TETRACHLOROETHYLENE	0.653	0.781	-19.6	100	0.00	14.46
74		DIBROMOCHLOROMETHANE	1.062	1.117	-5.2	76	0.00	13.51
75		1,2-DIBROMOETHANE	0.881	0.882	-0.1	76	0.00	13.82
76		OCTANE	0.878	1.021	-16.3	82	0.00	14.33
77		1,1,1,2-TETRACHLOROETHANE	0.733	0.695	5.2	75	0.00	15.38
78		CHLOROBENZENE	1.287	1.192	7.4	75	0.00	15.40
79		ETHYLBENZENE	1.844	1.956	-6.1	78	0.00	15.95
80		m,p-XYLENE	0.700	0.737	-5.3	76	-0.02	16.21
81		o-XYLENE	0.679	0.710	-4.6	75	0.00	16.89
82		STYRENE	0.974	1.094	-12.3	76	0.00	16.75
83		NONANE	0.917	1.065	-16.1	83	0.00	17.30
84		BROMOFORM	1.087	1.581	-45.4#	107	0.00	16.28
85	S	4-BROMOFLUOROBENZENE	1.119	1.122	-0.3	83	0.00	17.59
86		1,1,2,2-TETRACHLOROETHANE	1.365	1.359	0.4	77	0.00	16.90
87		1,2,3-TRICHLOROPROPANE	0.986	0.985	0.1	79	0.00	17.09
88		ISOPROPYLBENZENE	2.101	2.132	-1.5	76	0.00	17.81
89		BROMOBENZENE	1.187	1.198	-0.9	81	0.00	17.90
90		2-CHLOROTOLUENE	0.526	0.533	-1.3	75	0.00	18.54
91		n-PROPYLBENZENE	0.533	0.564	-5.8	75	0.00	18.63
92		4-ETHYLTOLUENE	1.939	2.118	-9.2	76	0.00	18.88
93		1,3,5-TRIMETHYLBENZENE	1.657	1.783	-7.6	76	0.00	19.01
94		ALPHA-METHYLSTYRENE	0.895	0.906	-1.2	75	0.00	19.25
95		tert-BUTYLBENZENE	0.362	0.384	-6.1	78	0.00	19.61
96		1,2,4-TRIMETHYLBENZENE	1.739	1.930	-11.0	77	0.00	19.62
97		m-DICHLOROBENZENE	1.369	1.513	-10.5	83	0.00	19.81
98		BENZYL CHLORIDE	1.866	1.983	-6.3	76	0.00	19.81
99		p-DICHLOROBENZENE	1.278	1.411	-10.4	84	0.00	19.92
100		sec-BUTYLBENZENE	0.432	0.464	-7.4	78	0.00	20.01

Continuing Calibration Summary

Job Number: JE2491 **Sample:** V5W2138-CC2125
Account: GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55819.D
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

101		1,2,3-TRIMETHYLBENZENE	1.766	1.932	-9.4	77	0.00	20.23
102		p-ISOPROPYLTOLUENE	0.507	0.543	-7.1	77	0.00	20.26
103		o-DICHLOROBENZENE	1.243	1.346	-8.3	84	0.00	20.40
104		n-BUTYLBENZENE	0.467	0.532	-13.9	79	0.00	20.85
105		HEXACHLOROETHANE	0.870	0.986	-13.3	81	0.00	21.31
106		HEXACHLOROBUTADIENE	1.169	2.195	-87.8#	138	-0.12	23.25
107		1,2,4-TRICHLOROBENZENE	1.107	1.801	-62.7#	125	-0.10	23.12
108		NAPHTHALENE	2.431	2.697	-10.9	79	-0.09	22.80
109	I	BROMOCHLOROMETHANE (A)	1.000	1.000	0.0	78	0.00	7.67
110		TVHC as equiv Pentane	7.828	7.142	8.8	79	0.00	5.23

(#) = Out of Range SPCC's out = 0 CCC's out = 0
5w55466.D M5w2125.M Tue Dec 24 04:43:55 2024

Initial Calibration Summary

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample: V7W305-ICC305
Lab FileID: 7W07980.D

Response Factor Report MS7W

Method : C:\msdchem\1\methods\M7W305.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
Last Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

Calibration Files
0.04=7w07975.D 0.10=7w07976.D 0.20=7w07977.D 0.5 =7w07978.D
5.0 =7w07979.D 10 =7w07980.D 20 =7w07981.D 40 =7w07982.D
50 =7w07983.D =

Compound	0.04	0.10	0.20	0.5	5.0	10	20	40	50	Avg	%RSD
1) I BROMOCHLOROMETHANE	----------ISTD----------										
2) FREON 115	1.410	1.323	1.332	1.370	0.628	1.427	1.321	1.450		1.282	20.97
3) FREON 152A	0.766	0.691	0.666	0.702	0.665	0.692	0.673	0.681	0.695	0.692	4.39
4) CHLORODIFLUOROMETHANE	0.341	0.319	0.348	0.350	0.313	0.337	0.326	0.329	0.340	0.334	3.87
5) CHLOROTRIFLUOROETHENE	1.776	1.676	1.535	1.621	1.510	1.603	1.570	1.636	1.676	1.623	5.00
6) DICHLORODIFLUOROMETHANE	3.889	3.781	3.954	3.963	3.920	4.135	4.066	4.167	4.214	4.010	3.59
7) PROPYLENE	1.094	1.136	0.965	0.913	0.864	0.902	0.889	0.913	0.948	0.958	9.85
8) 1-CHLORO-1,1-DIFLUOROETHANE	3.272	3.202	3.328	3.433	3.252	3.450	3.399	3.437	3.443	3.357	2.85
9) FREON 114	3.127	3.393	3.214	3.441	3.334	3.519	3.484	3.579	3.609	3.411	4.77
10) CHLOROMETHANE	0.752	0.540	0.501	0.489	0.467	0.488	0.475	0.483	0.479	0.519	17.25
11) VINYL CHLORIDE	1.748	1.508	1.584	1.620	1.573	1.612	1.570	1.583	1.572	1.597	4.07
12) 1,3-BUTADIENE	1.426	1.317	1.348	1.274	1.229	1.296	1.252	1.268	1.275	1.298	4.56
13) N-BUTANE	2.469	2.388	2.309	2.447	2.292	2.405	2.323	2.351	2.355	2.371	2.58
14) BROMOMETHANE	1.376	1.314	1.295	1.306	1.211	1.264	1.230	1.248	1.248	1.277	3.98
15) CHLOROETHANE	0.821	0.738	0.826	0.853	0.820	0.839	0.821	0.826	0.817	0.818	3.91
16) DICHLOROFLUOROMETHANE	2.969	2.937	3.144	3.211	3.077	3.224	3.132	3.217	3.219	3.126	3.52
17) ACETONITRILE	1.809	1.911	1.622	1.405	1.433	1.401	1.424	1.414		1.552	13.19
18) ACROLEIN	0.969	0.801	0.726	0.727	0.762	0.739	0.754	0.758		0.779	10.32
19) FREON 123	3.302	2.915	3.162	3.138	3.083	3.234	3.174	3.273	3.305	3.176	3.92
20) FREON 123A	1.695	1.757	1.752	1.832	1.796	1.886	1.860	1.906	1.913	1.822	4.21
21) TRICHLOROFLUOROMETHANE	3.507	3.486	3.424	3.639	3.527	3.726	3.643	3.717	3.694	3.596	3.10
22) ISOPROPYL ALCOHOL	4.381	3.891	3.555	3.314	2.991	3.250	3.022	3.012	3.067	3.387	14.11
23) ACETONE											

Initial Calibration Summary

Job Number: JE2491 **Sample:** V7W305-ICC305
Account: GESNYP Groundwater & Environmental Services **Lab FileID:** 7W07980.D
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

			1.285	0.991	0.851	0.841	0.818	0.841	0.836	0.923	18.38
24)	PENTANE										
		2.149	1.846	1.699	1.714	1.614	1.648	1.601	1.606	1.607	1.720	10.40
25)	IODOMETHANE										
		2.782	2.914	3.026	3.144	3.102	3.247	3.191	3.256	3.255	3.102	5.37
26)	1,1-DICHLOROETHYLENE										
		1.339	1.349	1.334	1.339	1.302	1.359	1.329	1.342	1.349	1.338	1.21
27)	CARBON DISULFIDE										
		3.488	3.732	3.787	3.791	3.810	4.022	4.015	4.214	4.238	3.900	6.23
28)	ETHANOL										
			1.215	1.135	0.882	0.863	0.799	0.782	0.802	0.925	18.97
29)	BROMOETHENE										
		1.229	1.137	1.176	1.238	1.187	1.262	1.245	1.256	1.261	1.221	3.63
30)	ACRYLONITRILE										
		1.663	1.236	1.359	1.289	1.182	1.167	1.129	1.137	1.136	1.255	13.68
31)	METHYLENE CHLORIDE										
			1.830	1.573	1.404	1.212	1.269	1.236	1.243	1.250	1.377	15.94
32)	3-CHLOROPROPENE										
		0.791	0.697	0.733	0.656	0.661	0.700	0.684	0.705	0.714	0.705	5.74
33)	FREON 113										
		1.953	2.006	2.100	2.122	2.068	2.169	2.152	2.189	2.196	2.106	3.98
34)	TRANS-1,2-DICHLOROETHENE										
		1.439	1.274	1.263	1.355	1.236	1.309	1.280	1.290	1.299	1.305	4.60
35)	TERTIARY BUTYL ALCOHOL										
		3.331	3.384	3.189	3.305	2.885	3.383	3.211	3.229	3.343	3.251	4.78
36)	METHYL TERTIARY BUTYL ETHER										
		3.163	3.190	3.191	3.189	3.103	3.315	3.318	3.482	3.557	3.279	4.70
37)	TETRAHYDROFURAN										
		0.452	0.624	0.640	0.618	0.634	0.666	0.655	0.666	0.667	0.625	10.78
38)	HEXANE										
		3.362	2.615	2.581	2.590	2.513	2.671	2.671	2.777	2.784	2.729	9.28
39)	VINYL ACETATE										
			0.272	0.260	0.243	0.276	0.304	0.324	0.351	0.358	0.298	14.25
40)	1,1-DICHLOROETHANE										
		2.584	2.330	2.424	2.438	2.346	2.451	2.406	2.454	2.453	2.432	3.01
41)	METHYL ETHYL KETONE										
		0.587	0.696	0.659	0.674	0.645	0.676	0.667	0.688	0.695	0.665	5.07
42)	CIS-1,2-DICHLOROETHENE										
		1.410	1.399	1.355	1.426	1.322	1.389	1.356	1.395	1.404	1.384	2.37
43)	DIISOPROPYL ETHER										
		0.558	0.733	0.632	0.706	0.701	0.744	0.754	0.779	0.785	0.710	10.38
44)	ETHYL ACETATE										
		0.474	0.551	0.516	0.477	0.496	0.531	0.531	0.558	0.560	0.522	6.33
45)	METHYL ACRYLATE										
		2.541	2.807	2.755	2.859	2.914	3.135	3.174	3.354	3.367	2.989	9.48
46)	CHLOROFORM										
		2.646	2.807	2.779	2.816	2.689	2.876	2.826	2.888	2.865	2.799	2.96
47)	2,4-DIMETHYLPENTANE										
		2.729	3.054	2.793	2.988	2.813	2.955	2.896	3.028	3.020	2.920	4.02
48)	1,1,1-TRICHLOROETHANE										
		2.474	2.500	2.353	2.453	2.343	2.561	2.618	2.798	2.832	2.548	6.87
49)	CARBON TETRACHLORIDE										
		2.051	2.325	2.277	2.344	2.366	2.602	2.682	2.902	2.961	2.501	12.18
50)	1,2-DICHLOROETHANE										
		1.957	2.162	2.154	2.195	2.048	2.139	2.092	2.177	2.182	2.123	3.66
51)	BENZENE										
		4.645	4.341	4.061	4.092	3.835	3.998	3.955	4.074	4.073	4.119	5.80
52)	I 1,4-DIFLUOROBENZENE	----------ISTD----------										
53)	CYCLOHEXANE											

		0.369	0.346	0.343	0.352	0.340	0.351	0.349	0.367	0.363	0.353	2.99
54)	2,3-DIMETHYLPENTANE											
		0.170	0.164	0.179	0.182	0.179	0.185	0.183	0.193	0.193	0.181	5.20
55)	TRICHLOROETHENE											
		0.398	0.396	0.357	0.373	0.365	0.380	0.376	0.401	0.401	0.383	4.32
56)	1,2-DICHLOROPROPANE											
		0.333	0.350	0.324	0.336	0.327	0.347	0.336	0.359	0.356	0.341	3.70
57)	DIBROMOMETHANE											
		0.338	0.344	0.317	0.319	0.303	0.314	0.308	0.326	0.325	0.321	4.17
58)	ETHYL ACRYLATE											
		0.690	0.695	0.682	0.662	0.696	0.748	0.759	0.821	0.830	0.731	8.42
59)	BROMODICHLOROMETHANE											
		0.513	0.538	0.542	0.547	0.578	0.618	0.621	0.666	0.668	0.588	9.80
60)	2,2,4-TRIMETHYLPENTANE											
		1.621	1.605	1.636	1.614	1.577	1.612	1.580	1.672	1.650	1.619	1.91
61)	1,4-DIOXANE											
			0.177	0.255	0.238	0.213	0.206	0.190	0.198	0.201	0.210	12.16
62)	HEPTANE											
		0.586	0.559	0.576	0.557	0.538	0.559	0.559	0.593	0.587	0.568	3.21
63)	METHYL METHACRYLATE											
		0.303	0.292	0.300	0.280	0.291	0.307	0.310	0.335	0.335	0.306	6.10
64)	METHYL ISOBUTYL KETONE											
		0.397	0.363	0.379	0.349	0.335	0.331	0.323	0.339	0.333	0.350	7.08
65)	CIS-1,3-DICHLOROPROPENE											
		0.352	0.383	0.374	0.375	0.419	0.463	0.487	0.537	0.541	0.437	16.64
66)	TOLUENE											
		1.112	1.040	1.039	1.032	1.007	1.061	1.057	1.119	1.108	1.064	3.76
67)	1,3-DICHLOROPROPANE											
		0.501	0.487	0.509	0.512	0.507	0.534	0.536	0.565	0.553	0.523	4.98
68)	TRANS-1,3-DICHLOROPROPENE											
			0.267	0.259	0.266	0.319	0.371	0.416	0.478	0.488	0.358	26.45
69)	1,1,2-TRICHLOROETHANE											
		0.267	0.292	0.278	0.288	0.284	0.297	0.295	0.310	0.309	0.291	4.78
70)	2-HEXANONE											
		0.598	0.620	0.572	0.553	0.517	0.491	0.484	0.491	0.478	0.534	10.04
71)	ETHYL METHACRYLATE											
		0.458	0.451	0.463	0.448	0.491	0.524	0.545	0.590	0.584	0.506	11.22
72)	TETRACHLOROETHENE											
		0.463	0.385	0.390	0.357	0.348	0.360	0.359	0.381	0.379	0.380	8.99
73)	DIBROMOCHLOROMETHANE											
		0.434	0.488	0.472	0.491	0.549	0.599	0.623	0.678	0.681	0.557	16.50
74)	1,2-DIBROMOETHANE											
		0.497	0.457	0.478	0.477	0.496	0.533	0.534	0.571	0.568	0.512	8.00
75)	OCTANE											
		1.122	0.866	0.835	0.792	0.775	0.810	0.806	0.852	0.836	0.855	12.18
76)	I CHLOROBENZENE-D5	----------	ISTD	----------								
77)	1,1,1,2-TETRACHLOROETHANE											
		0.389	0.401	0.377	0.364	0.403	0.443	0.463	0.507	0.513	0.429	12.93
78)	CHLOROBENZENE											
		0.901	0.981	0.941	0.950	0.939	0.968	0.976	1.030	1.026	0.968	4.31
79)	ETHYLBENZENE											
		1.712	1.561	1.546	1.530	1.507	1.550	1.567	1.652	1.657	1.587	4.37
80)	M,P-XYLENE											
		1.338	1.226	1.195	1.209	1.202	1.246	1.249	1.310	1.306	1.253	4.19
81)	O-XYLENE											
		1.276	1.232	1.206	1.207	1.201	1.249	1.268	1.341	1.345	1.258	4.37
82)	STYRENE											
		0.842	0.861	0.852	0.862	0.892	0.925	0.944	1.006	1.010	0.910	7.13
83)	NONANE											

Initial Calibration Summary

Job Number: JE2491 **Sample:** V7W305-ICC305
Account: GESNYP Groundwater & Environmental Services **Lab FileID:** 7W07980.D
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

```
          1.082 0.990 0.955 0.963 0.951 0.978 0.982 1.028 1.027   0.995    4.31
 84)  BROMOFORM
          0.425 0.415 0.442 0.482 0.523 0.583 0.621 0.695 0.711   0.544   20.92
 85)  1,1,2,2-TETRACHLOROETHANE
          0.778 0.815 0.869 0.849 0.875 0.907 0.921 0.977 0.985   0.886    7.79
 86)  1,2,3-TRICHLOROPROPANE
          0.685 0.697 0.666 0.705 0.700 0.726 0.728 0.768 0.768   0.716    4.93
 87)  4-BROMOFLUOROBENZENE
          0.725 0.720 0.722 0.724 0.737 0.726 0.745 0.745 0.758   0.734    1.81
 88)  ISOPROPYLBENZENE
          0.411 0.493 0.466 0.453 0.468 0.480 0.487 0.515 0.516   0.477    6.80
 89)  BROMOBENZENE
          0.739 0.893 0.894 0.905 0.878 0.912 0.925 0.985 0.984   0.902    7.98
 90)  2-CHLOROTOLUENE
          0.411 0.406 0.399 0.432 0.431 0.446 0.450 0.478 0.479   0.437    6.67
 91)  N-PROPYLBENZENE
          0.420 0.460 0.461 0.477 0.489 0.505 0.512 0.544 0.549   0.491    8.48
 92)  4-ETHYLTOLUENE
          1.605 1.507 1.638 1.654 1.718 1.792 1.807 1.951 1.968   1.738    8.97
 93)  1,3,5-TRIMETHYLBENZENE
          1.321 1.341 1.355 1.380 1.438 1.492 1.519 1.648 1.664   1.462    8.81
 94)  ALPHA-METHYLSTYRENE
          0.684 0.651 0.706 0.727 0.765 0.805 0.827 0.907 0.920   0.777   12.28
 95)  TERT-BUTYLBENZENE
          0.325 0.320 0.317 0.334 0.338 0.351 0.363 0.397 0.403   0.350    9.11
 96)  1,2,4-TRIMETHYLBENZENE
          1.309 1.344 1.377 1.420 1.491 1.568 1.628 1.790 1.825   1.528   12.38
 97)  BENZYL CHLORIDE
          0.339 0.328 0.327 0.342 0.423 0.567 0.787               0.445   39.13
 98)  M-DICHLOROBENZENE
          0.865 0.926 0.941 0.964 0.999 1.049 1.082 1.162 1.188   1.020   10.73
 99)  P-DICHLOROBENZENE
          0.935 0.941 0.943 0.947 0.973 1.011 1.042 1.142 1.168   1.011    8.83
100)  O-DICHLOROBENZENE
          0.885 0.878 0.917 0.917 0.938 0.976 1.019 1.112 1.147   0.976    9.98
101)  SEC-BUTYLBENZENE
          0.375 0.424 0.390 0.419 0.427 0.453 0.465 0.499 0.510   0.440   10.38
102)  1,2,3-TRIMETHYLBENZENE
          1.426 1.398 1.451 1.436 1.488 1.555 1.617 1.761 1.790   1.547    9.47
103)  P-ISOPROPYLTOLUENE
          0.419 0.458 0.471 0.447 0.476 0.504 0.516 0.557 0.573   0.491   10.37
104)  N-BUTYLBENZENE
          0.395 0.404 0.443 0.446 0.481 0.509 0.526 0.584 0.600   0.488   15.07
105)  HEXACHLOROETHANE
                0.301 0.304 0.322 0.413 0.491 0.566 0.677 0.711   0.473   35.00
106)  HEXACHLOROBUTADIENE
          0.668 0.628 0.625 0.639 0.680 0.717 0.777 0.906 0.962   0.734   16.90
107)  1,2,4-TRICHLOROBENZENE
                0.833 0.843 0.814 0.906 0.951 1.024 1.180 1.269   0.977   17.30
108)  NAPHTHALENE
          2.421 2.256 2.262 2.422 2.426 2.411 2.592 2.959 3.235   2.554   12.96

109) I   BROMOCHLOROMETHANE (A ----------------ISTD---------------------
110)  TVHC as equiv Pentane
          9.914 8.939 9.828 9.374 8.035 8.221 7.965 7.949 7.890   8.679    9.72
 ------------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          M7W305.M          Thu Aug 29 00:15:47 2024
```

Initial Calibration Verification

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample: V7W305-ICV305
Lab FileID: 7W07990.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\7w07990.D Vial: 3
Acq On : 19 Aug 2024 6:28 am Operator: benk
Sample : icv305-10 Inst : MS7W
Misc : MS74014,v7w305,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7W305.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
Last Update : Thu Aug 29 00:13:42 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	100	0.00	3.27
2	T	FREON 115	1.282	1.339	-4.4	94	0.00	1.61
3	T	FREON 152A	0.692	0.659	4.8	95	0.00	1.65
4	T	CHLORODIFLUOROMETHANE	0.334	0.311	6.9	92	0.00	1.66
5	T	CHLOROTRIFLUOROETHENE	1.623	1.535	5.4	95	0.00	1.67
6	T	DICHLORODIFLUOROMETHANE	4.010	4.114	-2.6	99	0.00	1.69
7	T	PROPYLENE	0.958	0.844	11.9	93	0.00	1.67
8	T	1-CHLORO-1,1-DIFLUOROETHA	3.357	3.483	-3.8	101	0.00	1.72
9	T	FREON 114	3.411	3.581	-5.0	101	0.00	1.76
10	T	CHLOROMETHANE	0.519	0.486	6.4	99	0.00	1.73
11	T	VINYL CHLORIDE	1.597	1.598	-0.1	99	0.00	1.79
12	t	1,3-BUTADIENE	1.298	1.256	3.2	97	0.00	1.83
13	T	N-BUTANE	2.371	2.342	1.2	97	0.00	1.85
14	T	BROMOMETHANE	1.277	1.271	0.5	100	0.00	1.91
15	T	CHLOROETHANE	0.818	0.828	-1.2	98	0.00	1.96
16	T	DICHLOROFLUOROMETHANE	3.126	3.292	-5.3	102	0.00	1.98
17	T	ACETONITRILE	1.552	1.467	5.5	102	0.00	2.05
18	T	ACROLEIN	0.779	0.760	2.4	99	0.00	2.09
19	T	FREON 123	3.176	3.121	1.7	96	0.00	2.10
20	T	FREON 123A	1.822	1.735	4.8	92	0.00	2.12
21	T	TRICHLOROFLUOROMETHANE	3.596	3.751	-4.3	100	0.00	2.19
22	T	ISOPROPYL ALCOHOL	3.387	3.362	0.7	103	0.00	2.21
23	T	ACETONE	0.923	0.836	9.4	99	0.00	2.13
24	T	PENTANE	1.720	1.599	7.0	97	0.00	2.30
25	T	IODOMETHANE	3.102	3.305	-6.5	101	0.00	2.36
26	T	1,1-DICHLOROETHYLENE	1.338	1.386	-3.6	102	0.00	2.39
27	T	CARBON DISULFIDE	3.900	4.327	-10.9	107	0.00	2.52
28	T	ETHANOL	0.925	0.759	17.9	88	0.00	1.99
29	T	BROMOETHENE	1.221	1.279	-4.8	101	0.00	2.06
30	T	ACRYLONITRILE	1.255	1.150	8.4	98	0.00	2.27
31	T	METHYLENE CHLORIDE	1.377	1.301	5.5	102	0.00	2.43
32	T	3-CHLOROPROPENE	0.705	0.704	0.1	100	0.00	2.47
33	T	FREON 113	2.106	2.269	-7.7	104	0.00	2.52
34	T	TRANS-1,2-DICHLOROETHENE	1.305	1.340	-2.7	102	0.00	2.75
35	T	TERTIARY BUTYL ALCOHOL	3.251	3.902	-20.0	115	-0.01	2.42
36	t	METHYL TERTIARY BUTYL ETH	3.279	3.328	-1.5	100	0.00	2.87
37	T	TETRAHYDROFURAN	0.625	0.640	-2.4	96	0.00	3.56
38	T	HEXANE	2.729	2.432	10.9	91	0.00	3.32
39	T	VINYL ACETATE	0.298	0.318	-6.7	104	0.00	2.90
40	T	1,1-DICHLOROETHANE	2.432	2.353	3.2	96	0.00	2.83
41	T	METHYL ETHYL KETONE	0.665	0.636	4.4	94	0.00	3.00
42	T	CIS-1,2-DICHLOROETHENE	1.384	1.344	2.9	96	0.00	3.19

Initial Calibration Verification

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample: V7W305-ICV305
Lab FileID: 7W07990.D

43	T	DIISOPROPYL ETHER	0.710	0.699	1.5	94	0.00	3.32
44	T	ETHYL ACETATE	0.522	0.486	6.9	91	0.00	3.33
45	T	METHYL ACRYLATE	2.989	2.977	0.4	95	0.00	3.32
46	T	CHLOROFORM	2.799	2.786	0.5	97	0.00	3.34
47	T	2,4-DIMETHYLPENTANE	2.920	2.738	6.2	92	0.00	3.83
48	T	1,1,1-TRICHLOROETHANE	2.548	2.487	2.4	97	0.00	3.91
49	T	CARBON TETRACHLORIDE	2.501	2.437	2.6	93	0.00	4.33
50	T	1,2-DICHLOROETHANE	2.123	2.036	4.1	95	0.00	3.75
51	t	BENZENE	4.119	3.772	8.4	94	0.00	4.22
52	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	98	0.00	4.55
53	T	CYCLOHEXANE	0.353	0.339	4.0	94	0.00	4.43
54	T	2,3-DIMETHYLPENTANE	0.181	0.178	1.7	94	0.00	4.69
55	T	TRICHLOROETHENE	0.383	0.371	3.1	96	0.00	5.12
56	T	1,2-DICHLOROPROPANE	0.341	0.332	2.6	94	0.00	4.89
57	T	DIBROMOMETHANE	0.321	0.315	1.9	98	0.00	4.85
58	T	ETHYL ACRYLATE	0.731	0.731	0.0	96	0.00	5.01
59	T	BROMODICHLOROMETHANE	0.588	0.601	-2.2	95	0.00	5.07
60	T	2,2,4-TRIMETHYLPENTANE	1.619	1.510	6.7	92	0.00	5.22
61	T	1,4-DIOXANE	0.210	0.196	6.7	93	-0.01	5.15
62	T	HEPTANE	0.568	0.517	9.0	90	0.00	5.53
63	T	METHYL METHACRYLATE	0.306	0.302	1.3	96	0.00	5.43
64	T	METHYL ISOBUTYL KETONE	0.350	0.313	10.6	92	0.00	6.17
65	T	CIS-1,3-DICHLOROPROPENE	0.437	0.425	2.7	90	0.00	6.06
66	T	TOLUENE	1.064	1.019	4.2	94	0.00	7.26
67	T	1,3-DICHLOROPROPANE	0.523	0.515	1.5	94	0.00	7.32
68	T	TRANS-1,3-DICHLOROPROPENE	0.358	0.366	-2.2	97	0.00	6.73
69	T	1,1,2-TRICHLOROETHANE	0.291	0.294	-1.0	97	0.00	6.89
70	T	2-HEXANONE	0.534	0.460	13.9	91	0.00	7.85
71	T	ETHYL METHACRYLATE	0.506	0.529	-4.5	98	0.00	7.97
72	T	TETRACHLOROETHENE	0.380	0.354	6.8	96	0.00	8.99
73	T	DIBROMOCHLOROMETHANE	0.557	0.581	-4.3	95	0.00	7.79
74	T	1,2-DIBROMOETHANE	0.512	0.521	-1.8	96	0.00	8.14
75	T	OCTANE	0.855	0.745	12.9	90	0.00	9.14
76	I	CHLOROBENZENE-D5	1.000	1.000	0.0	97	0.00	10.12
77	T	1,1,1,2-TETRACHLOROETHANE	0.429	0.429	0.0	94	0.00	10.21
78	T	CHLOROBENZENE	0.968	0.941	2.8	95	0.00	10.20
79	t	ETHYLBENZENE	1.587	1.502	5.4	94	0.00	11.08
80	t	M,P-XYLENE	1.253	1.194	4.7	93	0.00	11.51
81	t	O-XYLENE	1.258	1.192	5.2	93	0.00	12.44
82	T	STYRENE	0.910	0.891	2.1	94	0.00	12.23
83	T	NONANE	0.995	0.903	9.2	90	0.00	13.56
84	T	BROMOFORM	0.544	0.548	-0.7	91	0.00	11.32
85	T	1,1,2,2-TETRACHLOROETHANE	0.886	0.875	1.2	94	0.00	12.46
86	T	1,2,3-TRICHLOROPROPANE	0.716	0.695	2.9	93	0.00	12.74
87	S	4-BROMOFLUOROBENZENE	0.734	0.729	0.7	98	0.00	13.48
88	T	ISOPROPYLBENZENE	0.477	0.469	1.7	95	0.00	13.96
89	T	BROMOBENZENE	0.902	0.886	1.8	95	0.00	13.82
90	T	2-CHLOROTOLUENE	0.437	0.442	-1.1	96	0.00	14.95
91	T	N-PROPYLBENZENE	0.491	0.490	0.2	94	0.00	15.29
92	T	4-ETHYLTOLUENE	1.738	1.702	2.1	92	0.00	15.74
93	T	1,3,5-TRIMETHYLBENZENE	1.462	1.428	2.3	93	0.00	16.00
94	T	ALPHA-METHYLSTYRENE	0.777	0.806	-3.7	97	0.00	16.27
95	T	TERT-BUTYLBENZENE	0.350	0.344	1.7	95	0.00	16.57
96	T	1,2,4-TRIMETHYLBENZENE	1.528	1.502	1.7	93	0.00	16.58
97	T	BENZYL CHLORIDE	0.445	0.634	-42.5#	109	0.00	16.67
98	T	M-DICHLOROBENZENE	1.020	1.011	0.9	94	0.00	16.64
99	T	P-DICHLOROBENZENE	1.011	0.984	2.7	95	0.00	16.73
100	T	O-DICHLOROBENZENE	0.976	0.956	2.0	95	0.00	17.04

Initial Calibration Verification

Job Number: JE2491 **Sample:** V7W305-ICV305
Account: GESNYP Groundwater & Environmental Services **Lab FileID:** 7W07990.D
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

101	T	SEC-BUTYLBENZENE	0.440	0.444	-0.9	95	0.00	16.87
102	T	1,2,3-TRIMETHYLBENZENE	1.547	1.505	2.7	94	0.00	16.99
103	T	P-ISOPROPYLTOLUENE	0.491	0.494	-0.6	95	0.00	17.06
104	T	N-BUTYLBENZENE	0.488	0.490	-0.4	94	0.00	17.43
105	T	HEXACHLOROETHANE	0.473	0.465	1.7	92	0.00	17.60
106	T	HEXACHLOROBUTADIENE	0.734	0.720	1.9	98	0.00	18.66
107	T	1,2,4-TRICHLOROBENZENE	0.977	0.928	5.0	95	0.00	18.35
108	T	NAPHTHALENE	2.554	2.550	0.2	103	0.00	18.40
109	I	BROMOCHLOROMETHANE (A)	1.000	1.000	0.0	100	0.00	3.27
110		TVHC as equiv Pentane	8.679	7.972	8.1	97	0.00	2.30

(#) = Out of Range SPCC's out = 0 CCC's out = 0
7w07980.D M7W305.M Thu Aug 29 00:23:32 2024

Continuing Calibration Summary

Job Number: JE2491 **Sample:** V7W387-CC305
Account: GESNYP Groundwater & Environmental Services **Lab FileID:** 7W10576.D
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\l...2024\v7w387\7w10576.D Vial: 2
Acq On : 18 Nov 2024 9:35 am Operator: benk
Sample : cc305-10 Inst : MS7W
Misc : MS87131,v7w387,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7W305.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
Last Update : Thu Aug 29 00:13:42 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	79	0.01	3.28
2	T	FREON 115	1.282	1.751	-36.6#	98	0.00	1.62
3	T	FREON 152A	0.692	0.896	-29.5	103	0.00	1.65
4	T	CHLORODIFLUOROMETHANE	0.334	0.350	-4.8	82	0.00	1.66
5	T	CHLOROTRIFLUOROETHENE	1.623	1.974	-21.6	98	0.00	1.67
6	T	DICHLORODIFLUOROMETHANE	4.010	4.006	0.1	77	0.00	1.69
7	T	PROPYLENE	0.958	1.105	-15.3	97	0.00	1.67
8	T	1-CHLORO-1,1-DIFLUOROETHA	3.357	2.741	18.3	63	0.00	1.73
9	T	FREON 114	3.411	3.281	3.8	74	0.00	1.76
10	T	CHLOROMETHANE	0.519	0.443	14.6	72	0.00	1.73
11	T	VINYL CHLORIDE	1.597	1.580	1.1	78	0.00	1.80
12	t	1,3-BUTADIENE	1.298	1.191	8.2	73	0.00	1.84
13	T	N-BUTANE	2.371	1.995	15.9	66	0.00	1.85
14	T	BROMOMETHANE	1.277	1.238	3.1	78	0.00	1.91
15	T	CHLOROETHANE	0.818	0.842	-2.9	80	0.00	1.96
16	T	DICHLOROFLUOROMETHANE	3.126	2.996	4.2	74	0.00	1.99
17	T	ACETONITRILE	1.552	1.302	16.1	72	0.00	2.06
18	T	ACROLEIN	0.779	0.718	7.8	75	0.00	2.10
19	T	FREON 123	3.176	3.134	1.3	77	0.00	2.11
20	T	FREON 123A	1.822	1.837	-0.8	77	0.00	2.13
21	T	TRICHLOROFLUOROMETHANE	3.596	3.386	5.8	72	0.00	2.19
22	T	ISOPROPYL ALCOHOL	3.387	2.874	15.1	70	0.00	2.22
23	T	ACETONE	0.923	0.893	3.3	84	0.00	2.14
24	T	PENTANE	1.720	1.489	13.4	72	0.00	2.31
25	T	IODOMETHANE	3.102	3.311	-6.7	81	0.00	2.37
26	T	1,1-DICHLOROETHYLENE	1.338	1.303	2.6	76	0.00	2.40
27	T	CARBON DISULFIDE	3.900	3.511	10.0	69	0.01	2.53
28	T	ETHANOL	0.925	0.784	15.2	72	0.00	1.99
29	T	BROMOETHENE	1.221	1.289	-5.6	81	0.00	2.06
30	T	ACRYLONITRILE	1.255	1.082	13.8	74	0.00	2.28
31	T	METHYLENE CHLORIDE	1.377	1.185	13.9	74	0.00	2.44
32	T	3-CHLOROPROPENE	0.705	0.629	10.8	71	0.00	2.48
33	T	FREON 113	2.106	2.070	1.7	76	0.00	2.53
34	T	TRANS-1,2-DICHLOROETHENE	1.305	1.420	-8.8	86	0.00	2.76
35	T	TERTIARY BUTYL ALCOHOL	3.251	2.965	8.8	70	0.00	2.42
36	t	METHYL TERTIARY BUTYL ETH	3.279	3.620	-10.4	87	0.00	2.87
37	T	TETRAHYDROFURAN	0.625	0.712	-13.9	85	0.00	3.56
38	T	HEXANE	2.729	2.946	-8.0	88	0.00	3.33
39	T	VINYL ACETATE	0.298	0.338	-13.4	88	0.00	2.91
40	T	1,1-DICHLOROETHANE	2.432	2.846	-17.0	92	0.00	2.84
41	T	METHYL ETHYL KETONE	0.665	0.744	-11.9	87	0.00	3.01
42	T	CIS-1,2-DICHLOROETHENE	1.384	1.466	-5.9	84	0.01	3.20

Continuing Calibration Summary

Job Number: JE2491 **Sample:** V7W387-CC305
Account: GESNYP Groundwater & Environmental Services **Lab FileID:** 7W10576.D
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

43	T	DIISOPROPYL ETHER	0.710	0.812	-14.4	87	0.00	3.33
44	T	ETHYL ACETATE	0.522	0.572	-9.6	86	0.00	3.34
45	T	METHYL ACRYLATE	2.989	3.335	-11.6	85	0.00	3.32
46	T	CHLOROFORM	2.799	2.797	0.1	77	0.00	3.35
47	T	2,4-DIMETHYLPENTANE	2.920	3.308	-13.3	89	0.00	3.84
48	T	1,1,1-TRICHLOROETHANE	2.548	2.738	-7.5	85	0.00	3.92
49	T	CARBON TETRACHLORIDE	2.501	2.867	-14.6	88	0.00	4.34
50	T	1,2-DICHLOROETHANE	2.123	2.055	3.2	76	0.00	3.76
51	t	BENZENE	4.119	4.293	-4.2	85	0.00	4.23
52	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	82	0.00	4.55
53	T	CYCLOHEXANE	0.353	0.358	-1.4	84	0.00	4.44
54	T	2,3-DIMETHYLPENTANE	0.181	0.191	-5.5	85	0.00	4.70
55	T	TRICHLOROETHENE	0.383	0.372	2.9	80	0.00	5.13
56	T	1,2-DICHLOROPROPANE	0.341	0.375	-10.0	89	0.00	4.89
57	T	DIBROMOMETHANE	0.321	0.325	-1.2	85	0.00	4.86
58	T	ETHYL ACRYLATE	0.731	0.786	-7.5	86	0.00	5.01
59	T	BROMODICHLOROMETHANE	0.588	0.602	-2.4	80	0.00	5.07
60	T	2,2,4-TRIMETHYLPENTANE	1.619	1.727	-6.7	88	0.00	5.22
61	T	1,4-DIOXANE	0.210	0.202	3.8	81	-0.01	5.15
62	T	HEPTANE	0.568	0.573	-0.9	84	0.00	5.54
63	T	METHYL METHACRYLATE	0.306	0.321	-4.9	86	0.00	5.43
64	T	METHYL ISOBUTYL KETONE	0.350	0.339	3.1	84	0.00	6.17
65	T	CIS-1,3-DICHLOROPROPENE	0.437	0.496	-13.5	88	0.00	6.06
66	T	TOLUENE	1.064	1.020	4.1	79	0.00	7.27
67	T	1,3-DICHLOROPROPANE	0.523	0.516	1.3	79	0.00	7.33
68	T	TRANS-1,3-DICHLOROPROPENE	0.358	0.429	-19.8	95	0.00	6.74
69	T	1,1,2-TRICHLOROETHANE	0.291	0.296	-1.7	82	0.00	6.90
70	T	2-HEXANONE	0.534	0.484	9.4	81	0.00	7.85
71	T	ETHYL METHACRYLATE	0.506	0.537	-6.1	84	0.00	7.97
72	T	TETRACHLOROETHENE	0.380	0.381	-0.3	87	0.00	8.99
73	T	DIBROMOCHLOROMETHANE	0.557	0.600	-7.7	82	0.00	7.80
74	T	1,2-DIBROMOETHANE	0.512	0.520	-1.6	80	0.00	8.14
75	T	OCTANE	0.855	0.790	7.6	80	0.00	9.14
76	I	CHLOROBENZENE-D5	1.000	1.000	0.0	83	0.00	10.12
77	T	1,1,1,2-TETRACHLOROETHANE	0.429	0.459	-7.0	86	0.00	10.21
78	T	CHLOROBENZENE	0.968	0.879	9.2	76	0.00	10.20
79	t	ETHYLBENZENE	1.587	1.418	10.6	76	0.00	11.08
80	t	M,P-XYLENE	1.253	1.118	10.8	75	0.00	11.51
81	t	O-XYLENE	1.258	1.118	11.1	75	0.00	12.44
82	T	STYRENE	0.910	0.860	5.5	77	0.00	12.23
83	T	NONANE	0.995	0.887	10.9	75	0.00	13.56
84	T	BROMOFORM	0.544	0.598	-9.9	85	0.00	11.32
85	T	1,1,2,2-TETRACHLOROETHANE	0.886	0.832	6.1	76	0.00	12.45
86	T	1,2,3-TRICHLOROPROPANE	0.716	0.649	9.4	74	0.00	12.74
87	S	4-BROMOFLUOROBENZENE	0.734	0.681	7.2	78	0.00	13.48
88	T	ISOPROPYLBENZENE	0.477	0.439	8.0	76	0.00	13.96
89	T	BROMOBENZENE	0.902	0.818	9.3	75	0.00	13.82
90	T	2-CHLOROTOLUENE	0.437	0.402	8.0	75	0.00	14.96
91	T	N-PROPYLBENZENE	0.491	0.459	6.5	76	0.00	15.30
92	T	4-ETHYLTOLUENE	1.738	1.624	6.6	75	0.00	15.74
93	T	1,3,5-TRIMETHYLBENZENE	1.462	1.314	10.1	73	0.00	15.99
94	T	ALPHA-METHYLSTYRENE	0.777	0.701	9.8	72	0.00	16.27
95	T	TERT-BUTYLBENZENE	0.350	0.319	8.9	76	0.00	16.57
96	T	1,2,4-TRIMETHYLBENZENE	1.528	1.357	11.2	72	0.00	16.58
97	T	BENZYL CHLORIDE	0.445	0.850	-91.0#	125	0.00	16.67
98	T	M-DICHLOROBENZENE	1.020	0.961	5.8	76	0.00	16.64
99	T	P-DICHLOROBENZENE	1.011	0.931	7.9	77	0.00	16.73
100	T	O-DICHLOROBENZENE	0.976	0.892	8.6	76	0.00	17.04

Continuing Calibration Summary

Job Number: JE2491 **Sample:** V7W387-CC305
Account: GESNYP Groundwater & Environmental Services **Lab FileID:** 7W10576.D
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

101	T	SEC-BUTYLBENZENE	0.440	0.410	6.8	75	0.00	16.87
102	T	1,2,3-TRIMETHYLBENZENE	1.547	1.334	13.8	71	0.00	16.99
103	T	P-ISOPROPYLTOLUENE	0.491	0.444	9.6	73	0.00	17.06
104	T	N-BUTYLBENZENE	0.488	0.445	8.8	73	0.00	17.42
105	T	HEXACHLOROETHANE	0.473	0.499	-5.5	85	0.00	17.60
106	T	HEXACHLOROBUTADIENE	0.734	0.703	4.2	82	-0.01	18.65
107	T	1,2,4-TRICHLOROBENZENE	0.977	0.850	13.0	74	0.00	18.34
108	T	NAPHTHALENE	2.554	1.975	22.7	68	-0.01	18.39
109	I	BROMOCHLOROMETHANE (A)	1.000	1.000	0.0	79	0.01	3.28
110		TVHC as equiv Pentane	8.679	7.045	18.8	68	0.00	2.31

(#) = Out of Range SPCC's out = 0 CCC's out = 0
7w07980.D M7W305.M Tue Nov 19 04:47:41 2024

Continuing Calibration Summary

Job Number: JE2491 **Sample:** V7W392-CC305
Account: GESNYP Groundwater & Environmental Services **Lab FileID:** 7W10743.D
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\g...2024\V7W392\7w10743.D Vial: 2
Acq On : 25 Nov 2024 9:11 am Operator: williamc
Sample : cc305-10 Inst : MS7W
Misc : MS87372,v7w392,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7W305.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
Last Update : Thu Aug 29 00:13:42 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	95	0.00	3.27
2	T	FREON 115	1.282	1.597	-24.6	106	0.00	1.62
3	T	FREON 152A	0.692	0.845	-22.1	116	0.00	1.65
4	T	CHLORODIFLUOROMETHANE	0.334	0.367	-9.9	103	0.00	1.66
5	T	CHLOROTRIFLUOROETHENE	1.623	1.750	-7.8	104	0.00	1.68
6	T	DICHLORODIFLUOROMETHANE	4.010	4.015	-0.1	92	0.00	1.69
7	T	PROPYLENE	0.958	1.036	-8.1	109	0.00	1.67
8	T	1-CHLORO-1,1-DIFLUOROETHA	3.357	3.440	-2.5	95	0.00	1.73
9	T	FREON 114	3.411	3.591	-5.3	97	0.00	1.77
10	T	CHLOROMETHANE	0.519	0.525	-1.2	102	0.00	1.74
11	T	VINYL CHLORIDE	1.597	1.831	-14.7	108	0.00	1.80
12	t	1,3-BUTADIENE	1.298	1.394	-7.4	102	0.00	1.84
13	T	N-BUTANE	2.371	2.511	-5.9	99	0.00	1.86
14	T	BROMOMETHANE	1.277	1.268	0.7	95	0.00	1.91
15	T	CHLOROETHANE	0.818	0.894	-9.3	101	0.00	1.97
16	T	DICHLOROFLUOROMETHANE	3.126	3.273	-4.7	96	0.00	1.99
17	T	ACETONITRILE	1.552	1.517	2.3	101	0.00	2.06
18	T	ACROLEIN	0.779	0.741	4.9	92	0.00	2.10
19	T	FREON 123	3.176	3.251	-2.4	96	0.00	2.11
20	T	FREON 123A	1.822	1.740	4.5	88	0.00	2.13
21	T	TRICHLOROFLUOROMETHANE	3.596	3.411	5.1	87	0.00	2.20
22	T	ISOPROPYL ALCOHOL	3.387	3.192	5.8	93	0.00	2.22
23	T	ACETONE	0.923	0.924	-0.1	104	0.00	2.14
24	T	PENTANE	1.720	1.710	0.6	99	0.00	2.31
25	T	IODOMETHANE	3.102	2.955	4.7	86	0.00	2.37
26	T	1,1-DICHLOROETHYLENE	1.338	1.347	-0.7	94	0.00	2.40
27	T	CARBON DISULFIDE	3.900	4.075	-4.5	96	0.01	2.53
28	T	ETHANOL	0.925	0.966	-4.4	106	0.00	2.00
29	T	BROMOETHENE	1.221	1.218	0.2	92	0.00	2.07
30	T	ACRYLONITRILE	1.255	1.180	6.0	96	0.00	2.28
31	T	METHYLENE CHLORIDE	1.377	1.321	4.1	99	0.00	2.44
32	T	3-CHLOROPROPENE	0.705	0.729	-3.4	99	0.00	2.48
33	T	FREON 113	2.106	1.904	9.6	83	0.00	2.53
34	T	TRANS-1,2-DICHLOROETHENE	1.305	1.312	-0.5	95	0.00	2.76
35	T	TERTIARY BUTYL ALCOHOL	3.251	3.494	-7.5	98	0.00	2.42
36	t	METHYL TERTIARY BUTYL ETH	3.279	3.587	-9.4	103	0.00	2.87
37	T	TETRAHYDROFURAN	0.625	0.694	-11.0	99	0.00	3.56
38	T	HEXANE	2.729	2.834	-3.8	101	0.00	3.33
39	T	VINYL ACETATE	0.298	0.330	-10.7	103	0.00	2.91
40	T	1,1-DICHLOROETHANE	2.432	2.841	-16.8	110	0.00	2.84
41	T	METHYL ETHYL KETONE	0.665	0.732	-10.1	103	0.00	3.00
42	T	CIS-1,2-DICHLOROETHENE	1.384	1.473	-6.4	101	0.00	3.20

Continuing Calibration Summary

Job Number: JE2491 **Sample:** V7W392-CC305
Account: GESNYP Groundwater & Environmental Services **Lab FileID:** 7W10743.D
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

43	T	DIISOPROPYL ETHER	0.710	0.788	-11.0	101	0.00	3.33
44	T	ETHYL ACETATE	0.522	0.571	-9.4	102	0.00	3.34
45	T	METHYL ACRYLATE	2.989	3.277	-9.6	99	0.00	3.32
46	T	CHLOROFORM	2.799	2.905	-3.8	96	0.00	3.35
47	T	2,4-DIMETHYLPENTANE	2.920	3.178	-8.8	102	0.00	3.84
48	T	1,1,1-TRICHLOROETHANE	2.548	2.774	-8.9	103	0.00	3.92
49	T	CARBON TETRACHLORIDE	2.501	2.738	-9.5	100	0.00	4.34
50	T	1,2-DICHLOROETHANE	2.123	2.191	-3.2	97	0.00	3.75
51	t	BENZENE	4.119	4.181	-1.5	99	0.00	4.23
52	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	99	0.00	4.55
53	T	CYCLOHEXANE	0.353	0.363	-2.8	102	0.00	4.44
54	T	2,3-DIMETHYLPENTANE	0.181	0.188	-3.9	101	0.00	4.69
55	T	TRICHLOROETHENE	0.383	0.373	2.6	97	0.00	5.13
56	T	1,2-DICHLOROPROPANE	0.341	0.367	-7.6	105	0.00	4.89
57	T	DIBROMOMETHANE	0.321	0.317	1.2	100	0.00	4.85
58	T	ETHYL ACRYLATE	0.731	0.756	-3.4	100	0.00	5.01
59	T	BROMODICHLOROMETHANE	0.588	0.611	-3.9	98	0.00	5.07
60	T	2,2,4-TRIMETHYLPENTANE	1.619	1.632	-0.8	100	0.00	5.22
61	T	1,4-DIOXANE	0.210	0.199	5.2	96	-0.01	5.15
62	T	HEPTANE	0.568	0.526	7.4	93	0.00	5.54
63	T	METHYL METHACRYLATE	0.306	0.310	-1.3	100	0.00	5.43
64	T	METHYL ISOBUTYL KETONE	0.350	0.325	7.1	97	0.00	6.18
65	T	CIS-1,3-DICHLOROPROPENE	0.437	0.489	-11.9	104	0.00	6.06
66	T	TOLUENE	1.064	0.993	6.7	92	0.00	7.27
67	T	1,3-DICHLOROPROPANE	0.523	0.515	1.5	95	0.00	7.33
68	T	TRANS-1,3-DICHLOROPROPENE	0.358	0.425	-18.7	113	0.00	6.74
69	T	1,1,2-TRICHLOROETHANE	0.291	0.301	-3.4	100	0.00	6.90
70	T	2-HEXANONE	0.534	0.459	14.0	92	0.00	7.85
71	T	ETHYL METHACRYLATE	0.506	0.522	-3.2	98	0.00	7.97
72	T	TETRACHLOROETHENE	0.380	0.379	0.3	104	0.00	8.99
73	T	DIBROMOCHLOROMETHANE	0.557	0.577	-3.6	95	0.00	7.80
74	T	1,2-DIBROMOETHANE	0.512	0.526	-2.7	98	0.00	8.14
75	T	OCTANE	0.855	0.739	13.6	90	0.00	9.14
76	I	CHLOROBENZENE-D5	1.000	1.000	0.0	90	0.00	10.12
77	T	1,1,1,2-TETRACHLOROETHANE	0.429	0.507	-18.2	103	0.00	10.21
78	T	CHLOROBENZENE	0.968	0.982	-1.4	91	0.00	10.20
79	t	ETHYLBENZENE	1.587	1.539	3.0	89	0.00	11.08
80	t	M,P-XYLENE	1.253	1.217	2.9	88	0.00	11.51
81	t	O-XYLENE	1.258	1.228	2.4	88	0.00	12.44
82	T	STYRENE	0.910	0.932	-2.4	91	0.00	12.23
83	T	NONANE	0.995	0.955	4.0	88	0.00	13.56
84	T	BROMOFORM	0.544	0.603	-10.8	93	0.00	11.32
85	T	1,1,2,2-TETRACHLOROETHANE	0.886	0.948	-7.0	94	0.00	12.46
86	T	1,2,3-TRICHLOROPROPANE	0.716	0.736	-2.8	91	0.00	12.74
87	S	4-BROMOFLUOROBENZENE	0.734	0.716	2.5	89	0.00	13.48
88	T	ISOPROPYLBENZENE	0.477	0.492	-3.1	92	0.00	13.95
89	T	BROMOBENZENE	0.902	0.910	-0.9	90	0.00	13.82
90	T	2-CHLOROTOLUENE	0.437	0.455	-4.1	92	0.00	14.96
91	T	N-PROPYLBENZENE	0.491	0.517	-5.3	92	0.00	15.30
92	T	4-ETHYLTOLUENE	1.738	1.764	-1.5	88	0.00	15.74
93	T	1,3,5-TRIMETHYLBENZENE	1.462	1.445	1.2	87	0.00	16.00
94	T	ALPHA-METHYLSTYRENE	0.777	0.776	0.1	87	0.00	16.27
95	T	TERT-BUTYLBENZENE	0.350	0.360	-2.9	92	0.00	16.57
96	T	1,2,4-TRIMETHYLBENZENE	1.528	1.525	0.2	87	0.00	16.58
97	T	BENZYL CHLORIDE	0.445	0.913	-105.2#	145#	0.00	16.67
98	T	M-DICHLOROBENZENE	1.020	1.065	-4.4	91	0.00	16.64
99	T	P-DICHLOROBENZENE	1.011	1.028	-1.7	91	0.00	16.73
100	T	O-DICHLOROBENZENE	0.976	0.983	-0.7	91	0.00	17.04

Continuing Calibration Summary

Job Number: JE2491 **Sample:** V7W392-CC305
Account: GESNYP Groundwater & Environmental Services **Lab FileID:** 7W10743.D
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

101	T	SEC-BUTYLBENZENE	0.440	0.463	-5.2	92	0.00	16.87
102	T	1,2,3-TRIMETHYLBENZENE	1.547	1.509	2.5	87	0.00	16.99
103	T	P-ISOPROPYLTOLUENE	0.491	0.518	-5.5	92	0.00	17.06
104	T	N-BUTYLBENZENE	0.488	0.511	-4.7	90	0.00	17.42
105	T	HEXACHLOROETHANE	0.473	0.554	-17.1	101	0.00	17.60
106	T	HEXACHLOROBUTADIENE	0.734	0.795	-8.3	100	0.00	18.66
107	T	1,2,4-TRICHLOROBENZENE	0.977	0.971	0.6	92	0.00	18.35
108	T	NAPHTHALENE	2.554	2.197	14.0	82	0.00	18.40
109	I	BROMOCHLOROMETHANE (A)	1.000	1.000	0.0	95	0.00	3.27
110		TVHC as equiv Pentane	8.679	8.196	5.6	95	0.00	2.31

(#) = Out of Range SPCC's out = 0 CCC's out = 0
7w07980.D M7W305.M Mon Nov 25 21:33:21 2024

6.9.10

6

Continuing Calibration Summary

Job Number: JE2491 **Sample:** V7W394-CC305
Account: GESNYP Groundwater & Environmental Services **Lab FileID:** 7W10810.D
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\7w10810.D Vial: 2
Acq On : 27 Nov 2024 6:54 pm Operator: benk
Sample : cc305-10 Inst : MS7W
Misc : MS87455,v7w394,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7W305.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
Last Update : Thu Aug 29 00:13:42 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	86	0.00	3.27
2	T	FREON 115	1.282	1.592	-24.2	97	0.00	1.62
3	T	FREON 152A	0.692	0.909	-31.4#	114	0.00	1.65
4	T	CHLORODIFLUOROMETHANE	0.334	0.333	0.3	85	0.00	1.66
5	T	CHLOROTRIFLUOROETHENE	1.623	1.865	-14.9	101	0.00	1.67
6	T	DICHLORODIFLUOROMETHANE	4.010	4.177	-4.2	87	0.00	1.69
7	T	PROPYLENE	0.958	1.220	-27.3	117	0.00	1.67
8	T	1-CHLORO-1,1-DIFLUOROETHA	3.357	2.609	22.3	65	0.00	1.73
9	T	FREON 114	3.411	3.659	-7.3	90	0.00	1.76
10	T	CHLOROMETHANE	0.519	0.469	9.6	83	0.00	1.73
11	T	VINYL CHLORIDE	1.597	1.642	-2.8	88	0.00	1.79
12	t	1,3-BUTADIENE	1.298	1.291	0.5	86	0.00	1.83
13	T	N-BUTANE	2.371	2.236	5.7	80	0.00	1.85
14	T	BROMOMETHANE	1.277	1.496	-17.1	102	0.00	1.91
15	T	CHLOROETHANE	0.818	0.869	-6.2	90	0.00	1.96
16	T	DICHLOROFLUOROMETHANE	3.126	3.106	0.6	83	0.00	1.99
17	T	ACETONITRILE	1.552	1.492	3.9	90	0.00	2.06
18	T	ACROLEIN	0.779	0.756	3.0	86	0.00	2.10
19	T	FREON 123	3.176	3.697	-16.4	99	0.00	2.11
20	T	FREON 123A	1.822	2.105	-15.5	97	0.00	2.13
21	T	TRICHLOROFLUOROMETHANE	3.596	3.454	3.9	80	0.00	2.19
22	T	ISOPROPYL ALCOHOL	3.387	3.101	8.4	83	0.00	2.22
23	T	ACETONE	0.923	0.907	1.7	93	0.00	2.14
24	T	PENTANE	1.720	1.673	2.7	88	0.00	2.31
25	T	IODOMETHANE	3.102	3.809	-22.8	101	0.00	2.37
26	T	1,1-DICHLOROETHYLENE	1.338	1.590	-18.8	101	0.00	2.40
27	T	CARBON DISULFIDE	3.900	4.213	-8.0	91	0.00	2.53
28	T	ETHANOL	0.925	0.954	-3.1	96	0.00	1.99
29	T	BROMOETHENE	1.221	1.535	-25.7	105	0.00	2.06
30	T	ACRYLONITRILE	1.255	1.226	2.3	91	0.00	2.28
31	T	METHYLENE CHLORIDE	1.377	1.461	-6.1	100	0.00	2.43
32	T	3-CHLOROPROPENE	0.705	0.759	-7.7	94	0.00	2.48
33	T	FREON 113	2.106	2.418	-14.8	96	0.00	2.53
34	T	TRANS-1,2-DICHLOROETHENE	1.305	1.630	-24.9	108	0.00	2.76
35	T	TERTIARY BUTYL ALCOHOL	3.251	2.871	11.7	73	0.00	2.42
36	t	METHYL TERTIARY BUTYL ETH	3.279	3.754	-14.5	98	0.00	2.87
37	T	TETRAHYDROFURAN	0.625	0.767	-22.7	100	0.00	3.56
38	T	HEXANE	2.729	2.925	-7.2	95	0.00	3.33
39	T	VINYL ACETATE	0.298	0.383	-28.5	109	0.00	2.90
40	T	1,1-DICHLOROETHANE	2.432	2.810	-15.5	99	0.00	2.83
41	T	METHYL ETHYL KETONE	0.665	0.799	-20.2	102	0.00	3.00
42	T	CIS-1,2-DICHLOROETHENE	1.384	1.593	-15.1	99	0.00	3.20

Continuing Calibration Summary

Job Number: JE2491 **Sample:** V7W394-CC305
Account: GESNYP Groundwater & Environmental Services **Lab FileID:** 7W10810.D
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

43	T	DIISOPROPYL ETHER	0.710	0.834	-17.5	97	0.00	3.33
44	T	ETHYL ACETATE	0.522	0.612	-17.2	100	0.00	3.34
45	T	METHYL ACRYLATE	2.989	3.477	-16.3	96	0.00	3.32
46	T	CHLOROFORM	2.799	3.048	-8.9	92	0.00	3.35
47	T	2,4-DIMETHYLPENTANE	2.920	3.312	-13.4	97	0.00	3.84
48	T	1,1,1-TRICHLOROETHANE	2.548	2.712	-6.4	92	0.00	3.92
49	T	CARBON TETRACHLORIDE	2.501	2.535	-1.4	84	0.00	4.34
50	T	1,2-DICHLOROETHANE	2.123	1.915	9.8	77	0.00	3.76
51	t	BENZENE	4.119	4.728	-14.8	102	0.00	4.23
52	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	93	0.00	4.55
53	T	CYCLOHEXANE	0.353	0.376	-6.5	99	0.00	4.44
54	T	2,3-DIMETHYLPENTANE	0.181	0.200	-10.5	101	0.00	4.69
55	T	TRICHLOROETHENE	0.383	0.389	-1.6	95	0.00	5.13
56	T	1,2-DICHLOROPROPANE	0.341	0.371	-8.8	99	0.00	4.89
57	T	DIBROMOMETHANE	0.321	0.294	8.4	87	0.00	4.85
58	T	ETHYL ACRYLATE	0.731	0.792	-8.3	98	0.00	5.01
59	T	BROMODICHLOROMETHANE	0.588	0.624	-6.1	94	0.00	5.07
60	T	2,2,4-TRIMETHYLPENTANE	1.619	1.644	-1.5	95	0.00	5.22
61	T	1,4-DIOXANE	0.210	0.223	-6.2	100	-0.01	5.15
62	T	HEPTANE	0.568	0.584	-2.8	97	0.00	5.54
63	T	METHYL METHACRYLATE	0.306	0.343	-12.1	104	0.00	5.43
64	T	METHYL ISOBUTYL KETONE	0.350	0.339	3.1	95	0.00	6.18
65	T	CIS-1,3-DICHLOROPROPENE	0.437	0.505	-15.6	101	0.00	6.06
66	T	TOLUENE	1.064	1.093	-2.7	96	0.00	7.26
67	T	1,3-DICHLOROPROPANE	0.523	0.541	-3.4	94	0.00	7.32
68	T	TRANS-1,3-DICHLOROPROPENE	0.358	0.430	-20.1	107	0.00	6.74
69	T	1,1,2-TRICHLOROETHANE	0.291	0.326	-12.0	102	0.00	6.90
70	T	2-HEXANONE	0.534	0.491	8.1	93	0.00	7.85
71	T	ETHYL METHACRYLATE	0.506	0.582	-15.0	103	0.00	7.97
72	T	TETRACHLOROETHENE	0.380	0.354	6.8	91	0.00	8.99
73	T	DIBROMOCHLOROMETHANE	0.557	0.538	3.4	83	0.00	7.80
74	T	1,2-DIBROMOETHANE	0.512	0.542	-5.9	94	0.00	8.14
75	T	OCTANE	0.855	0.832	2.7	95	0.00	9.14
76	I	CHLOROBENZENE-D5	1.000	1.000	0.0	88	0.00	10.12
77	T	1,1,1,2-TETRACHLOROETHANE	0.429	0.433	-0.9	86	0.00	10.21
78	T	CHLOROBENZENE	0.968	0.935	3.4	85	0.00	10.20
79	t	ETHYLBENZENE	1.587	1.596	-0.6	91	0.00	11.08
80	t	M,P-XYLENE	1.253	1.230	1.8	87	0.00	11.50
81	t	O-XYLENE	1.258	1.206	4.1	85	0.00	12.44
82	T	STYRENE	0.910	0.951	-4.5	91	0.00	12.23
83	T	NONANE	0.995	0.952	4.3	86	0.00	13.56
84	T	BROMOFORM	0.544	0.492	9.6	75	0.00	11.32
85	T	1,1,2,2-TETRACHLOROETHANE	0.886	0.964	-8.8	94	0.00	12.45
86	T	1,2,3-TRICHLOROPROPANE	0.716	0.698	2.5	85	0.00	12.74
87	S	4-BROMOFLUOROBENZENE	0.734	0.633	13.8	77	0.00	13.48
88	T	ISOPROPYLBENZENE	0.477	0.410	14.0	75	0.00	13.95
89	T	BROMOBENZENE	0.902	0.848	6.0	82	0.00	13.82
90	T	2-CHLOROTOLUENE	0.437	0.371	15.1	73	0.00	14.95
91	T	N-PROPYLBENZENE	0.491	0.429	12.6	75	0.00	15.30
92	T	4-ETHYLTOLUENE	1.738	1.572	9.6	77	0.00	15.74
93	T	1,3,5-TRIMETHYLBENZENE	1.462	1.271	13.1	75	0.00	16.00
94	T	ALPHA-METHYLSTYRENE	0.777	0.679	12.6	74	0.00	16.27
95	T	TERT-BUTYLBENZENE	0.350	0.286	18.3	72	0.00	16.57
96	T	1,2,4-TRIMETHYLBENZENE	1.528	1.326	13.2	75	0.00	16.58
97	T	BENZYL CHLORIDE	0.445	0.844	-89.7#	132	0.00	16.67
98	T	M-DICHLOROBENZENE	1.020	0.836	18.0	70	0.00	16.64
99	T	P-DICHLOROBENZENE	1.011	0.806	20.3	70	0.00	16.73
100	T	O-DICHLOROBENZENE	0.976	0.785	19.6	71	0.00	17.04

Continuing Calibration Summary

Job Number: JE2491 **Sample:** V7W394-CC305
Account: GESNYP Groundwater & Environmental Services **Lab FileID:** 7W10810.D
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

101	T	SEC-BUTYLBENZENE	0.440	0.357	18.9	70	0.00	16.87
102	T	1,2,3-TRIMETHYLBENZENE	1.547	1.312	15.2	75	0.00	16.99
103	T	P-ISOPROPYLTOLUENE	0.491	0.397	19.1	70	0.00	17.06
104	T	N-BUTYLBENZENE	0.488	0.407	16.6	71	0.00	17.42
105	T	HEXACHLOROETHANE	0.473	0.447	5.5	80	0.00	17.60
106	T	HEXACHLOROBUTADIENE	0.734	0.528	28.1	65	0.00	18.65
107	T	1,2,4-TRICHLOROBENZENE	0.977	0.713	27.0	66	0.00	18.34
108	T	NAPHTHALENE	2.554	1.931	24.4	71	0.00	18.39
109	I	BROMOCHLOROMETHANE (A)	1.000	1.000	0.0	86	0.00	3.27
110		TVHC as equiv Pentane	8.679	7.522	13.3	79	0.00	2.31

(#) = Out of Range SPCC's out = 0 CCC's out = 0
7w07980.D M7W305.M Sat Nov 30 14:51:11 2024

Initial Calibration Summary

Job Number: JE2491 **Sample:** V7W405-ICC405
Account: GESNYP Groundwater & Environmental Services **Lab FileID:** 7W11240.D
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Response Factor Report MS7W

Method : C:\msdchem\1\methods\M7W405.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
Last Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

Calibration Files
0.04=7w11233.D 0.10=7w11234.D 0.20=7w11235.D 0.5 =7w11237.D
5.0 =7w11238.D 10 =7w11240.D 20 =7w11241.D 40 =7w11242.D
50 =7w11243.D =

Compound	0.04	0.10	0.20	0.5	5.0	10	20	40	50	Avg	%RSD
1) I BROMOCHLOROMETHANE	----------ISTD----------										
2) FREON 115										0.000	-1.00
3) FREON 152A	0.358	0.490	0.489	0.497	0.477	0.502	0.511	0.493	0.469	0.476	9.67
4) CHLORODIFLUOROMETHANE	0.230	0.259	0.239	0.254	0.228	0.245	0.248	0.243	0.229	0.242	4.56
5) CHLOROTRIFLUOROETHENE	0.964	1.190	1.217	1.200	1.155	1.229	1.224	1.188	1.114	1.165	7.17
6) DICHLORODIFLUOROMETHANE	2.070	2.643	2.595	2.579	2.476	2.598	2.602	2.515	2.360	2.493	7.24
7) PROPYLENE	0.852	0.749	0.673	0.667	0.573	0.614	0.613	0.598	0.566	0.656	14.20
8) 1-CHLORO-1,1-DIFLUOROETHANE	1.709	1.969	1.873	1.889	1.828	1.916	1.906	1.823	1.707	1.847	4.89
9) FREON 114	1.660	2.082	1.985	2.047	1.995	2.082	2.079	1.998	1.871	1.978	6.92
10) CHLOROMETHANE	0.322	0.328	0.258	0.242	0.230	0.246	0.245	0.237	0.223	0.259	14.95
11) VINYL CHLORIDE	0.668	0.831	0.867	0.863	0.846	0.880	0.891	0.864	0.816	0.836	8.03
12) 1,3-BUTADIENE	1.019	0.795	0.723	0.665	0.617	0.663	0.666	0.649	0.617	0.713	17.91
13) N-BUTANE	1.759	1.337	1.321	1.328	1.137	1.230	1.234	1.198	1.128	1.297	14.66
14) BROMOMETHANE	0.798	0.810	0.732	0.773	0.722	0.749	0.743	0.721	0.680	0.748	5.45
15) CHLOROETHANE	0.482	0.497	0.442	0.460	0.428	0.454	0.451	0.440	0.419	0.453	5.48
16) DICHLOROFLUOROMETHANE	1.519	1.902	1.861	1.820	1.723	1.818	1.817	1.751	1.659	1.763	6.66
17) ACETONITRILE	0.760	1.147	0.892	0.788	0.710	0.749	0.751	0.737	0.699	0.804	17.49
18) ACROLEIN	0.509	0.455	0.475	0.437	0.373	0.391	0.400	0.391	0.369	0.422	11.64
19) FREON 123	1.880	2.254	1.874	1.900	1.821	1.905	1.903	1.851	1.736	1.903	7.48
20) FREON 123A	1.119	1.367	1.211	1.199	1.151	1.206	1.194	1.142	1.073	1.185	6.95
21) TRICHLOROFLUOROMETHANE	1.733	2.305	2.304	2.256	2.230	2.351	2.318	2.202	2.062	2.196	8.81
22) ISOPROPYL ALCOHOL	1.943	2.205	2.115	1.850	1.728	1.776	1.760	1.689	1.606	1.853	10.77
23) ACETONE											

		0.884	0.907	0.725	0.505	0.461	0.452	0.451	0.433	0.412	0.581	34.59
24)	PENTANE											
		0.949	0.984	0.897	0.926	0.828	0.883	0.883	0.851	0.807	0.890	6.41
25)	IODOMETHANE											
		1.610	2.061	2.056	2.117	2.075	2.143	2.120	2.021	1.908	2.012	8.26
26)	1,1-DICHLOROETHYLENE											
		1.084	1.061	0.827	0.865	0.797	0.822	0.817	0.789	0.742	0.867	13.97
27)	CARBON DISULFIDE											
		1.793	2.247	2.149	2.282	2.124	2.278	2.279	2.204	2.078	2.159	7.24
28)	ETHANOL											
					0.712	0.544	0.465	0.459	0.441	0.422	0.507	21.46
29)	BROMOETHENE											
		0.796	0.896	0.817	0.785	0.774	0.811	0.798	0.769	0.724	0.797	5.82
30)	ACRYLONITRILE											
			1.070	1.045	0.677	0.601	0.611	0.607	0.584	0.557	0.719	29.44
31)	METHYLENE CHLORIDE											
				1.103	0.887	0.720	0.737	0.730	0.700	0.662	0.791	19.53
32)	3-CHLOROPROPENE											
		0.367	0.466	0.441	0.418	0.398	0.415	0.416	0.402	0.383	0.412	7.19
33)	FREON 113											
		1.040	1.382	1.429	1.352	1.349	1.390	1.367	1.290	1.215	1.313	9.11
34)	TRANS-1,2-DICHLOROETHENE											
		1.026	1.040	0.880	0.894	0.861	0.882	0.885	0.851	0.805	0.903	8.69
35)	TERTIARY BUTYL ALCOHOL											
		1.867	2.312	2.318	2.257	2.132	2.170	2.149	2.043	1.927	2.131	7.50
36)	METHYL TERTIARY BUTYL ETHER											
		2.390	2.737	2.720	2.638	2.514	2.646	2.640	2.540	2.407	2.581	4.89
37)	TETRAHYDROFURAN											
		0.213	0.399	0.418	0.436	0.425	0.436	0.441	0.427	0.405	0.400	17.86
38)	HEXANE											
		1.805	1.948	1.655	1.655	1.532	1.618	1.602	1.545	1.462	1.647	9.03
39)	VINYL ACETATE											
		0.167	0.286	0.249	0.266	0.228	0.252	0.257	0.253	0.240	0.244	13.54
40)	1,1-DICHLOROETHANE											
		1.300	1.725	1.650	1.713	1.592	1.695	1.687	1.629	1.544	1.615	8.17
41)	METHYL ETHYL KETONE											
		0.319	0.514	0.485	0.451	0.436	0.463	0.462	0.446	0.423	0.444	12.19
42)	CIS-1,2-DICHLOROETHENE											
		0.735	1.032	0.948	0.992	0.910	0.973	0.969	0.926	0.882	0.930	9.21
43)	DIISOPROPYL ETHER											
		0.384	0.533	0.516	0.468	0.438	0.458	0.457	0.436	0.414	0.456	10.20
44)	ETHYL ACETATE											
		0.245	0.336	0.336	0.330	0.321	0.334	0.328	0.314	0.296	0.316	9.33
45)	METHYL ACRYLATE											
		1.427	2.048	1.928	1.944	1.819	1.936	1.931	1.857	1.763	1.850	9.66
46)	CHLOROFORM											
		1.631	1.901	1.879	1.953	1.798	1.920	1.885	1.793	1.690	1.828	5.98
47)	2,4-DIMETHYLPENTANE											
		1.747	2.005	1.839	1.846	1.731	1.867	1.848	1.795	1.710	1.821	4.92
48)	1,1,1-TRICHLOROETHANE											
		1.636	2.058	1.974	2.049	1.936	2.054	2.060	1.992	1.881	1.960	6.97
49)	CARBON TETRACHLORIDE											
		1.268	1.747	1.831	1.989	2.007	2.200	2.225	2.167	2.063	1.944	15.47
50)	1,2-DICHLOROETHANE											
		1.129	1.422	1.318	1.446	1.355	1.452	1.456	1.404	1.334	1.368	7.59
51)	BENZENE											
		2.592	2.909	2.787	2.706	2.537	2.707	2.705	2.614	2.478	2.671	4.93
52)	I 1,4-DIFLUOROBENZENE	----------	ISTD	----------								
53)	CYCLOHEXANE											

Initial Calibration Summary

Job Number: JE2491 **Sample:** V7W405-ICC405
Account: GESNYP Groundwater & Environmental Services **Lab FileID:** 7W11240.D
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

		0.212	0.240	0.240	0.246	0.226	0.247	0.246	0.240	0.228	0.236	4.99
54)	2,3-DIMETHYLPENTANE											
		0.131	0.127	0.121	0.129	0.117	0.127	0.125	0.123	0.117	0.124	3.96
55)	TRICHLOROETHENE											
		0.194	0.269	0.255	0.272	0.252	0.269	0.268	0.260	0.248	0.254	9.52
56)	1,2-DICHLOROPROPANE											
		0.185	0.227	0.223	0.222	0.211	0.226	0.226	0.221	0.210	0.217	6.21
57)	DIBROMOMETHANE											
		0.265	0.280	0.230	0.244	0.214	0.236	0.233	0.229	0.218	0.239	8.92
58)	ETHYL ACRYLATE											
		0.346	0.447	0.496	0.453	0.459	0.493	0.495	0.489	0.469	0.461	10.22
59)	BROMODICHLOROMETHANE											
		0.315	0.409	0.389	0.406	0.402	0.442	0.438	0.432	0.412	0.405	9.41
60)	2,2,4-TRIMETHYLPENTANE											
		0.836	1.033	0.940	0.998	0.952	0.999	0.997	0.973	0.926	0.962	6.01
61)	1,4-DIOXANE											
		0.085	0.148	0.205	0.141	0.151	0.143	0.139	0.134	0.129	0.142	21.73
62)	HEPTANE											
		0.269	0.380	0.342	0.362	0.322	0.349	0.348	0.342	0.328	0.338	9.25
63)	METHYL METHACRYLATE											
		0.216	0.237	0.237	0.214	0.204	0.216	0.215	0.212	0.203	0.217	5.75
64)	METHYL ISOBUTYL KETONE											
		0.148	0.203	0.298	0.192	0.202	0.198	0.197	0.193	0.184	0.202	19.77
65)	CIS-1,3-DICHLOROPROPENE											
		0.252	0.333	0.325	0.344	0.340	0.370	0.372	0.369	0.352	0.340	10.89
66)	TOLUENE											
		0.706	0.762	0.707	0.693	0.667	0.718	0.719	0.709	0.677	0.707	3.87
67)	1,3-DICHLOROPROPANE											
		0.261	0.324	0.327	0.341	0.328	0.355	0.354	0.348	0.332	0.330	8.59
68)	TRANS-1,3-DICHLOROPROPENE											
		0.231	0.325	0.302	0.311	0.314	0.347	0.352	0.353	0.338	0.319	11.89
69)	1,1,2-TRICHLOROETHANE											
		0.164	0.195	0.200	0.200	0.191	0.203	0.203	0.200	0.191	0.194	6.39
70)	2-HEXANONE											
		0.203	0.278	0.613	0.275	0.378	0.280	0.279	0.272	0.257	0.315	38.27
71)	ETHYL METHACRYLATE											
		0.403	0.397	0.397	0.361	0.363	0.376	0.378	0.370	0.354	0.378	4.72
72)	TETRACHLOROETHENE											
		0.239	0.277	0.267	0.276	0.264	0.277	0.275	0.273	0.261	0.268	4.58
73)	DIBROMOCHLOROMETHANE											
		0.289	0.392	0.387	0.409	0.396	0.445	0.458	0.458	0.439	0.408	12.93
74)	1,2-DIBROMOETHANE											
		0.265	0.356	0.338	0.360	0.357	0.388	0.388	0.384	0.365	0.356	10.74
75)	OCTANE											
		0.440	0.501	0.503	0.481	0.449	0.490	0.492	0.488	0.466	0.479	4.72
76)	I CHLOROBENZENE-D5	----------ISTD----------										
77)	1,1,1,2-TETRACHLOROETHANE											
		0.233	0.339	0.312	0.329	0.314	0.347	0.347	0.339	0.317	0.320	11.00
78)	CHLOROBENZENE											
		0.470	0.579	0.568	0.615	0.577	0.625	0.625	0.608	0.571	0.582	8.24
79)	ETHYLBENZENE											
		1.042	1.027	1.003	0.984	0.923	1.000	0.995	0.975	0.915	0.985	4.33
80)	M,P-XYLENE											
		0.699	0.841	0.767	0.794	0.742	0.801	0.798	0.779	0.728	0.772	5.61
81)	O-XYLENE											
		0.739	0.837	0.777	0.774	0.744	0.801	0.798	0.777	0.731	0.775	4.39
82)	STYRENE											
		0.392	0.537	0.524	0.555	0.562	0.617	0.619	0.615	0.579	0.555	12.69
83)	NONANE											

```
          0.527 0.522 0.529 0.541 0.514 0.553 0.553 0.544 0.510   0.533    3.00
 84)  BROMOFORM
          0.261 0.370 0.358 0.381 0.371 0.425 0.437 0.434 0.412   0.383   14.29
 85)  1,1,2,2-TETRACHLOROETHANE
          0.408 0.523 0.506 0.528 0.514 0.557 0.557 0.542 0.509   0.516    8.68
 86)  1,2,3-TRICHLOROPROPANE
          0.306 0.394 0.401 0.424 0.421 0.454 0.451 0.441 0.414   0.412   10.86
 87)  4-BROMOFLUOROBENZENE
          0.717 0.717 0.716 0.714 0.738 0.726 0.732 0.737 0.735   0.726    1.34
 88)  ISOPROPYLBENZENE
          0.229 0.294 0.293 0.305 0.295 0.320 0.320 0.314 0.296   0.296    9.27
 89)  BROMOBENZENE
          0.460 0.573 0.537 0.562 0.542 0.589 0.589 0.576 0.542   0.552    7.22
 90)  2-CHLOROTOLUENE
          0.173 0.276 0.265 0.268 0.274 0.299 0.299 0.294 0.277   0.269   14.21
 91)  N-PROPYLBENZENE
          0.199 0.292 0.284 0.299 0.311 0.335 0.335 0.334 0.314   0.300   14.10
 92)  4-ETHYLTOLUENE
          0.852 1.057 1.025 1.051 1.077 1.163 1.177 1.172 1.119   1.077    9.43
 93)  1,3,5-TRIMETHYLBENZENE
          0.724 0.880 0.876 0.896 0.910 0.970 0.982 0.987 0.932   0.906    8.90
 94)  ALPHA-METHYLSTYRENE
          0.329 0.422 0.430 0.445 0.473 0.512 0.523 0.530 0.503   0.463   13.93
 95)  TERT-BUTYLBENZENE
          0.175 0.209 0.215 0.216 0.222 0.233 0.234 0.231 0.217   0.217    8.36
 96)  1,2,4-TRIMETHYLBENZENE
          0.742 0.878 0.883 0.906 0.922 0.978 0.993 0.996 0.928   0.914    8.56
 97)  BENZYL CHLORIDE
          0.612 0.672 0.698 0.715 0.809 0.917 0.953 0.979 0.931   0.810   17.20
 98)  M-DICHLOROBENZENE
          0.464 0.593 0.602 0.618 0.620 0.678 0.691 0.694 0.653   0.624   11.36
 99)  P-DICHLOROBENZENE
          0.457 0.594 0.585 0.595 0.598 0.654 0.670 0.674 0.635   0.607   10.84
100)  O-DICHLOROBENZENE
          0.484 0.575 0.578 0.583 0.574 0.624 0.636 0.641 0.606   0.589    8.07
101)  SEC-BUTYLBENZENE
          0.197 0.251 0.263 0.274 0.279 0.295 0.298 0.296 0.278   0.270   11.75
102)  1,2,3-TRIMETHYLBENZENE
          0.735 0.879 0.889 0.912 0.911 0.975 0.992 1.004 0.945   0.916    8.85
103)  P-ISOPROPYLTOLUENE
          0.221 0.290 0.300 0.296 0.308 0.326 0.327 0.324 0.304   0.300   10.79
104)  N-BUTYLBENZENE
          0.210 0.269 0.273 0.293 0.301 0.322 0.328 0.330 0.309   0.293   12.98
105)  HEXACHLOROETHANE
          0.229 0.317 0.322 0.323 0.353 0.396 0.407 0.406 0.385   0.349   16.65
106)  HEXACHLOROBUTADIENE
          0.344 0.402 0.406 0.420 0.436 0.474 0.504 0.492 0.463   0.438   11.65
107)  1,2,4-TRICHLOROBENZENE
          0.367 0.354 0.367 0.400 0.515 0.587 0.632 0.664 0.643   0.503   26.18
108)  NAPHTHALENE
                0.748 0.720 0.782 1.090 1.286 1.342 1.494 1.474   1.117   29.42

109) I   BROMOCHLOROMETHANE (A ----------------ISTD---------------------
110)  TVHC as equiv Pentane
          4.273 4.626 4.148 4.425 4.130 4.221 4.321 4.157 3.915   4.246    4.74
 ------------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          M7W405.M          Sun Dec 29 19:44:19 2024
```

Initial Calibration Verification

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY
Sample: V7W405-ICV405
Lab FileID: 7W11247.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\7w\7w11247.D Vial: 5
Acq On : 28 Dec 2024 6:36 pm Operator: benk
Sample : icv405-10 Inst : MS7W
Misc : MS74014,v7w405,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7W405.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
Last Update : Sun Dec 29 19:41:17 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	98	0.00	3.23
2	T	FREON 115						
3	T	FREON 152A	0.476	0.512	-7.6	100	0.00	1.62
4	T	CHLORODIFLUOROMETHANE	0.242	0.255	-5.4	102	0.00	1.64
5	T	CHLOROTRIFLUOROETHENE	1.165	1.242	-6.6	99	0.00	1.65
6	T	DICHLORODIFLUOROMETHANE	2.493	2.658	-6.6	100	0.00	1.67
7	T	PROPYLENE	0.656	0.627	4.4	100	0.00	1.65
8	T	1-CHLORO-1,1-DIFLUOROETHA	1.847	1.976	-7.0	101	0.00	1.70
9	T	FREON 114	1.978	2.125	-7.4	100	0.00	1.74
10	T	CHLOROMETHANE	0.259	0.246	5.0	98	0.00	1.71
11	T	VINYL CHLORIDE	0.836	0.889	-6.3	99	0.00	1.77
12	t	1,3-BUTADIENE	0.713	0.676	5.2	100	0.00	1.81
13	T	N-BUTANE	1.297	1.274	1.8	101	0.00	1.82
14	T	BROMOMETHANE	0.748	0.771	-3.1	100	0.00	1.88
15	T	CHLOROETHANE	0.453	0.464	-2.4	100	0.00	1.93
16	T	DICHLOROFLUOROMETHANE	1.763	1.915	-8.6	103	0.00	1.96
17	T	ACETONITRILE	0.804	0.794	1.2	104	0.00	2.02
18	T	ACROLEIN	0.422	0.421	0.2	105	0.00	2.06
19	T	FREON 123	1.903	1.900	0.2	97	0.00	2.08
20	T	FREON 123A	1.185	1.123	5.2	91	0.00	2.09
21	T	TRICHLOROFLUOROMETHANE	2.196	2.404	-9.5	100	0.00	2.16
22	T	ISOPROPYL ALCOHOL	1.853	1.854	-0.1	102	0.00	2.17
23	T	ACETONE	0.581	0.468	19.4	101	0.00	2.10
24	T	PENTANE	0.890	0.900	-1.1	100	0.00	2.27
25	T	IODOMETHANE	2.012	2.204	-9.5	100	0.00	2.33
26	T	1,1-DICHLOROETHYLENE	0.867	0.846	2.4	101	0.00	2.36
27	T	CARBON DISULFIDE	2.159	2.476	-14.7	106	0.00	2.49
28	T	ETHANOL	0.507	0.416	17.9	87	0.00	1.96
29	T	BROMOETHENE	0.797	0.815	-2.3	98	0.00	2.03
30	T	ACRYLONITRILE	0.719	0.624	13.2	100	0.00	2.24
31	T	METHYLENE CHLORIDE	0.791	0.772	2.4	102	0.00	2.40
32	T	3-CHLOROPROPENE	0.412	0.431	-4.6	101	0.00	2.44
33	T	FREON 113	1.313	1.457	-11.0	102	0.00	2.49
34	T	TRANS-1,2-DICHLOROETHENE	0.903	0.928	-2.8	103	0.00	2.72
35	T	TERTIARY BUTYL ALCOHOL	2.131	2.441	-14.5	110	0.00	2.37
36	t	METHYL TERTIARY BUTYL ETH	2.581	2.684	-4.0	99	0.00	2.82
37	T	TETRAHYDROFURAN	0.400	0.465	-16.3	104	0.00	3.51
38	T	HEXANE	1.647	1.605	2.6	97	0.00	3.28
39	T	VINYL ACETATE	0.244	0.267	-9.4	104	0.00	2.86
40	T	1,1-DICHLOROETHANE	1.615	1.714	-6.1	99	0.00	2.79
41	T	METHYL ETHYL KETONE	0.444	0.463	-4.3	98	0.00	2.96
42	T	CIS-1,2-DICHLOROETHENE	0.930	0.993	-6.8	100	0.00	3.15

Initial Calibration Verification

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample: V7W405-ICV405
Lab FileID: 7W11247.D

43	T	DIISOPROPYL ETHER	0.456	0.469	-2.9	100	0.00	3.28
44	T	ETHYL ACETATE	0.316	0.332	-5.1	97	0.00	3.28
45	T	METHYL ACRYLATE	1.850	1.989	-7.5	100	0.00	3.27
46	T	CHLOROFORM	1.828	1.993	-9.0	101	0.00	3.30
47	T	2,4-DIMETHYLPENTANE	1.821	1.866	-2.5	98	0.00	3.79
48	T	1,1,1-TRICHLOROETHANE	1.960	2.104	-7.3	100	0.00	3.86
49	T	CARBON TETRACHLORIDE	1.944	2.247	-15.6	100	0.00	4.28
50	T	1,2-DICHLOROETHANE	1.368	1.485	-8.6	100	0.00	3.70
51	t	BENZENE	2.671	2.775	-3.9	100	0.00	4.17
52	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	98	0.00	4.49
53	T	CYCLOHEXANE	0.236	0.249	-5.5	99	0.00	4.38
54	T	2,3-DIMETHYLPENTANE	0.124	0.128	-3.2	99	0.00	4.63
55	T	TRICHLOROETHENE	0.254	0.275	-8.3	100	0.00	5.06
56	T	1,2-DICHLOROPROPANE	0.217	0.232	-6.9	100	0.00	4.83
57	T	DIBROMOMETHANE	0.239	0.245	-2.5	102	0.00	4.79
58	T	ETHYL ACRYLATE	0.461	0.505	-9.5	100	0.00	4.95
59	T	BROMODICHLOROMETHANE	0.405	0.449	-10.9	100	0.00	5.01
60	T	2,2,4-TRIMETHYLPENTANE	0.962	1.005	-4.5	98	0.00	5.16
61	T	1,4-DIOXANE	0.142	0.144	-1.4	99	0.00	5.08
62	T	HEPTANE	0.338	0.350	-3.6	98	0.00	5.47
63	T	METHYL METHACRYLATE	0.217	0.220	-1.4	100	0.00	5.37
64	T	METHYL ISOBUTYL KETONE	0.202	0.200	1.0	98	0.00	6.09
65	T	CIS-1,3-DICHLOROPROPENE	0.340	0.352	-3.5	93	0.00	5.99
66	T	TOLUENE	0.707	0.721	-2.0	98	0.00	7.19
67	T	1,3-DICHLOROPROPANE	0.330	0.363	-10.0	100	0.00	7.25
68	T	TRANS-1,3-DICHLOROPROPENE	0.319	0.352	-10.3	99	0.00	6.66
69	T	1,1,2-TRICHLOROETHANE	0.194	0.210	-8.2	101	0.00	6.82
70	T	2-HEXANONE	0.315	0.284	9.8	99	0.00	7.76
71	T	ETHYL METHACRYLATE	0.378	0.386	-2.1	100	0.00	7.89
72	T	TETRACHLOROETHENE	0.268	0.281	-4.9	99	0.00	8.91
73	T	DIBROMOCHLOROMETHANE	0.408	0.456	-11.8	100	0.00	7.72
74	T	1,2-DIBROMOETHANE	0.356	0.398	-11.8	100	0.00	8.06
75	T	OCTANE	0.479	0.491	-2.5	98	0.00	9.06
76	I	CHLOROBENZENE-D5	1.000	1.000	0.0	98	0.00	10.03
77	T	1,1,1,2-TETRACHLOROETHANE	0.320	0.353	-10.3	100	0.00	10.12
78	T	CHLOROBENZENE	0.582	0.631	-8.4	99	0.00	10.11
79	t	ETHYLBENZENE	0.985	1.014	-2.9	99	0.00	10.99
80	t	M,P-XYLENE	0.772	0.809	-4.8	99	0.00	11.42
81	t	O-XYLENE	0.775	0.802	-3.5	98	0.00	12.34
82	T	STYRENE	0.555	0.620	-11.7	99	0.00	12.14
83	T	NONANE	0.533	0.556	-4.3	99	0.00	13.47
84	T	BROMOFORM	0.383	0.409	-6.8	94	0.00	11.23
85	T	1,1,2,2-TETRACHLOROETHANE	0.516	0.575	-11.4	101	0.00	12.36
86	T	1,2,3-TRICHLOROPROPANE	0.412	0.465	-12.9	101	0.00	12.64
87	S	4-BROMOFLUOROBENZENE	0.726	0.730	-0.6	99	0.00	13.38
88	T	ISOPROPYLBENZENE	0.296	0.327	-10.5	100	0.00	13.86
89	T	BROMOBENZENE	0.552	0.606	-9.8	101	0.00	13.72
90	T	2-CHLOROTOLUENE	0.269	0.308	-14.5	101	0.00	14.86
91	T	N-PROPYLBENZENE	0.300	0.338	-12.7	99	0.00	15.20
92	T	4-ETHYLTOLUENE	1.077	1.184	-9.9	100	0.00	15.64
93	T	1,3,5-TRIMETHYLBENZENE	0.906	0.984	-8.6	99	0.00	15.91
94	T	ALPHA-METHYLSTYRENE	0.463	0.536	-15.8	103	0.00	16.21
95	T	TERT-BUTYLBENZENE	0.217	0.237	-9.2	100	0.00	16.53
96	T	1,2,4-TRIMETHYLBENZENE	0.914	0.996	-9.0	100	0.00	16.54
97	T	BENZYL CHLORIDE	0.810	0.987	-21.9	106	0.00	16.63
98	T	M-DICHLOROBENZENE	0.624	0.693	-11.1	100	0.00	16.60
99	T	P-DICHLOROBENZENE	0.607	0.670	-10.4	100	0.00	16.69
100	T	O-DICHLOROBENZENE	0.589	0.639	-8.5	100	0.00	17.01

Initial Calibration Verification

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY
Sample: V7W405-ICV405
Lab FileID: 7W11247.D

101	T	SEC-BUTYLBENZENE	0.270	0.303	-12.2	101	0.00	16.84
102	T	1,2,3-TRIMETHYLBENZENE	0.916	0.994	-8.5	100	0.00	16.96
103	T	P-ISOPROPYLTOLUENE	0.300	0.334	-11.3	100	0.00	17.03
104	T	N-BUTYLBENZENE	0.293	0.323	-10.2	98	0.00	17.40
105	T	HEXACHLOROETHANE	0.349	0.399	-14.3	99	0.00	17.57
106	T	HEXACHLOROBUTADIENE	0.438	0.460	-5.0	95	0.00	18.63
107	T	1,2,4-TRICHLOROBENZENE	0.503	0.577	-14.7	96	0.00	18.32
108	T	NAPHTHALENE	1.117	1.318	-18.0	100	0.00	18.37
109	I	BROMOCHLOROMETHANE (A)	1.000	1.000	0.0	98	0.00	3.23
110		TVHC as equiv Pentane	4.246	4.421	-4.1	102	0.00	2.27

(#) = Out of Range SPCC's out = 0 CCC's out = 0
7w11240.D M7W405.M Mon Dec 30 11:08:54 2024

6.9.13

6

Continuing Calibration Summary

Job Number: JE2491 **Sample:** V7W414-CC405
Account: GESNYP Groundwater & Environmental Services **Lab FileID:** 7W11535.D
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\g...2025\V7W414\7w11535.D Vial: 3
Acq On : 6 Jan 2025 8:54 pm Operator: benk
Sample : cc405-10 Inst : MS7W
Misc : MS88278,v7w414,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7W405.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
Last Update : Sun Dec 29 19:41:17 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	99	0.00	3.23
2	T	FREON 115	0.000	0.912	0.0	0#	0.00	1.60
3	T	FREON 152A	0.476	0.499	-4.8	99	0.00	1.63
4	T	CHLORODIFLUOROMETHANE	0.242	0.265	-9.5	108	0.00	1.64
5	T	CHLOROTRIFLUOROETHENE	1.165	1.209	-3.8	98	0.00	1.65
6	T	DICHLORODIFLUOROMETHANE	2.493	2.756	-10.5	105	0.00	1.67
7	T	PROPYLENE	0.656	0.683	-4.1	110	0.00	1.65
8	T	1-CHLORO-1,1-DIFLUOROETHA	1.847	2.059	-11.5	107	0.00	1.71
9	T	FREON 114	1.978	2.254	-14.0	107	0.00	1.74
10	T	CHLOROMETHANE	0.259	0.304	-17.4	123	0.00	1.71
11	T	VINYL CHLORIDE	0.836	1.047	-25.2	118	0.00	1.77
12	t	1,3-BUTADIENE	0.713	0.804	-12.8	120	0.00	1.81
13	T	N-BUTANE	1.297	1.535	-18.4	124	0.00	1.83
14	T	BROMOMETHANE	0.748	0.794	-6.1	105	0.00	1.89
15	T	CHLOROETHANE	0.453	0.535	-18.1	117	0.00	1.93
16	T	DICHLOROFLUOROMETHANE	1.763	2.066	-17.2	113	0.00	1.96
17	T	ACETONITRILE	0.804	0.965	-20.0	128	0.00	2.03
18	T	ACROLEIN	0.422	0.462	-9.5	117	0.00	2.07
19	T	FREON 123	1.903	2.079	-9.2	108	0.00	2.08
20	T	FREON 123A	1.185	1.240	-4.6	102	0.00	2.10
21	T	TRICHLOROFLUOROMETHANE	2.196	2.427	-10.5	102	0.00	2.16
22	T	ISOPROPYL ALCOHOL	1.853	2.101	-13.4	117	0.00	2.18
23	T	ACETONE	0.581	0.539	7.2	118	0.00	2.10
24	T	PENTANE	0.890	1.103	-23.9	124	0.00	2.27
25	T	IODOMETHANE	2.012	2.121	-5.4	98	0.00	2.34
26	T	1,1-DICHLOROETHYLENE	0.867	0.865	0.2	104	0.00	2.36
27	T	CARBON DISULFIDE	2.159	2.519	-16.7	110	0.00	2.50
28	T	ETHANOL	0.507	0.610	-20.3	130	0.00	1.96
29	T	BROMOETHENE	0.797	0.821	-3.0	100	0.00	2.03
30	T	ACRYLONITRILE	0.719	0.733	-1.9	119	0.00	2.25
31	T	METHYLENE CHLORIDE	0.791	0.789	0.3	106	0.00	2.40
32	T	3-CHLOROPROPENE	0.412	0.445	-8.0	106	0.00	2.44
33	T	FREON 113	1.313	1.355	-3.2	97	0.00	2.50
34	T	TRANS-1,2-DICHLOROETHENE	0.903	0.926	-2.5	104	0.00	2.72
35	T	TERTIARY BUTYL ALCOHOL	2.131	2.380	-11.7	109	0.00	2.38
36	t	METHYL TERTIARY BUTYL ETH	2.581	2.611	-1.2	98	0.00	2.83
37	T	TETRAHYDROFURAN	0.400	0.445	-11.2	101	0.00	3.51
38	T	HEXANE	1.647	1.800	-9.3	110	0.00	3.28
39	T	VINYL ACETATE	0.244	0.244	0.0	96	0.00	2.87
40	T	1,1-DICHLOROETHANE	1.615	1.791	-10.9	105	0.00	2.80
41	T	METHYL ETHYL KETONE	0.444	0.465	-4.7	100	0.00	2.96
42	T	CIS-1,2-DICHLOROETHENE	0.930	0.952	-2.4	97	0.00	3.16

Continuing Calibration Summary

Job Number: JE2491 **Sample:** V7W414-CC405
Account: GESNYP Groundwater & Environmental Services **Lab FileID:** 7W11535.D
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

43	T	DIISOPROPYL ETHER	0.456	0.503	-10.3	109	0.00	3.28
44	T	ETHYL ACETATE	0.316	0.349	-10.4	104	0.00	3.29
45	T	METHYL ACRYLATE	1.850	2.099	-13.5	108	0.00	3.28
46	T	CHLOROFORM	1.828	1.982	-8.4	102	0.00	3.30
47	T	2,4-DIMETHYLPENTANE	1.821	2.025	-11.2	108	0.00	3.79
48	T	1,1,1-TRICHLOROETHANE	1.960	2.058	-5.0	99	0.00	3.87
49	T	CARBON TETRACHLORIDE	1.944	2.103	-8.2	95	0.00	4.29
50	T	1,2-DICHLOROETHANE	1.368	1.592	-16.4	109	0.00	3.71
51	t	BENZENE	2.671	2.721	-1.9	100	0.00	4.17
52	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	96	0.00	4.50
53	T	CYCLOHEXANE	0.236	0.250	-5.9	97	0.00	4.38
54	T	2,3-DIMETHYLPENTANE	0.124	0.132	-6.5	100	0.00	4.63
55	T	TRICHLOROETHENE	0.254	0.277	-9.1	99	0.00	5.07
56	T	1,2-DICHLOROPROPANE	0.217	0.247	-13.8	105	0.00	4.83
57	T	DIBROMOMETHANE	0.239	0.244	-2.1	99	0.00	4.79
58	T	ETHYL ACRYLATE	0.461	0.536	-16.3	104	0.00	4.95
59	T	BROMODICHLOROMETHANE	0.405	0.460	-13.6	100	0.00	5.01
60	T	2,2,4-TRIMETHYLPENTANE	0.962	1.129	-17.4	108	0.00	5.16
61	T	1,4-DIOXANE	0.142	0.143	-0.7	96	0.00	5.08
62	T	HEPTANE	0.338	0.411	-21.6	113	0.00	5.47
63	T	METHYL METHACRYLATE	0.217	0.220	-1.4	98	0.00	5.37
64	T	METHYL ISOBUTYL KETONE	0.202	0.216	-6.9	105	0.00	6.10
65	T	CIS-1,3-DICHLOROPROPENE	0.340	0.371	-9.1	96	0.00	5.99
66	T	TOLUENE	0.707	0.735	-4.0	98	0.00	7.19
67	T	1,3-DICHLOROPROPANE	0.330	0.373	-13.0	101	0.00	7.25
68	T	TRANS-1,3-DICHLOROPROPENE	0.319	0.343	-7.5	95	0.00	6.67
69	T	1,1,2-TRICHLOROETHANE	0.194	0.213	-9.8	100	0.00	6.82
70	T	2-HEXANONE	0.315	0.303	3.8	104	0.00	7.76
71	T	ETHYL METHACRYLATE	0.378	0.386	-2.1	99	0.00	7.89
72	T	TETRACHLOROETHENE	0.268	0.292	-9.0	101	0.00	8.91
73	T	DIBROMOCHLOROMETHANE	0.408	0.447	-9.6	96	0.00	7.72
74	T	1,2-DIBROMOETHANE	0.356	0.395	-11.0	98	0.00	8.06
75	T	OCTANE	0.479	0.576	-20.3	113	0.00	9.06
76	I	CHLOROBENZENE-D5	1.000	1.000	0.0	99	0.00	10.03
77	T	1,1,1,2-TETRACHLOROETHANE	0.320	0.331	-3.4	95	0.00	10.12
78	T	CHLOROBENZENE	0.582	0.617	-6.0	98	0.00	10.11
79	t	ETHYLBENZENE	0.985	0.994	-0.9	99	0.00	10.99
80	t	M,P-XYLENE	0.772	0.812	-5.2	101	0.00	11.42
81	t	O-XYLENE	0.775	0.816	-5.3	101	0.00	12.35
82	T	STYRENE	0.555	0.607	-9.4	98	0.00	12.14
83	T	NONANE	0.533	0.642	-20.5	115	0.00	13.47
84	T	BROMOFORM	0.383	0.407	-6.3	95	0.00	11.23
85	T	1,1,2,2-TETRACHLOROETHANE	0.516	0.577	-11.8	103	0.00	12.36
86	T	1,2,3-TRICHLOROPROPANE	0.412	0.473	-14.8	104	0.00	12.65
87	S	4-BROMOFLUOROBENZENE	0.726	0.741	-2.1	101	0.00	13.39
88	T	ISOPROPYLBENZENE	0.296	0.318	-7.4	99	0.00	13.86
89	T	BROMOBENZENE	0.552	0.594	-7.6	100	0.00	13.73
90	T	2-CHLOROTOLUENE	0.269	0.288	-7.1	96	0.00	14.85
91	T	N-PROPYLBENZENE	0.300	0.331	-10.3	98	0.00	15.20
92	T	4-ETHYLTOLUENE	1.077	1.184	-9.9	101	0.00	15.64
93	T	1,3,5-TRIMETHYLBENZENE	0.906	0.996	-9.9	102	0.00	15.91
94	T	ALPHA-METHYLSTYRENE	0.463	0.523	-13.0	101	0.00	16.21
95	T	TERT-BUTYLBENZENE	0.217	0.234	-7.8	100	0.00	16.53
96	T	1,2,4-TRIMETHYLBENZENE	0.914	1.036	-13.3	105	0.00	16.54
97	T	BENZYL CHLORIDE	0.810	0.779	3.8	84	0.00	16.63
98	T	M-DICHLOROBENZENE	0.624	0.699	-12.0	102	0.00	16.60
99	T	P-DICHLOROBENZENE	0.607	0.677	-11.5	103	0.00	16.69
100	T	O-DICHLOROBENZENE	0.589	0.649	-10.2	103	0.00	17.01

Continuing Calibration Summary

Job Number: JE2491 **Sample:** V7W414-CC405
Account: GESNYP Groundwater & Environmental Services **Lab FileID:** 7W11535.D
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

101	T	SEC-BUTYLBENZENE	0.270	0.302	-11.9	102	0.00	16.84
102	T	1,2,3-TRIMETHYLBENZENE	0.916	1.028	-12.2	105	0.00	16.96
103	T	P-ISOPROPYLTOLUENE	0.300	0.332	-10.7	101	0.00	17.03
104	T	N-BUTYLBENZENE	0.293	0.324	-10.6	100	0.00	17.39
105	T	HEXACHLOROETHANE	0.349	0.342	2.0	86	0.00	17.57
106	T	HEXACHLOROBUTADIENE	0.438	0.527	-20.3	110	0.00	18.62
107	T	1,2,4-TRICHLOROBENZENE	0.503	0.607	-20.7	103	0.00	18.32
108	T	NAPHTHALENE	1.117	1.300	-16.4	100	0.00	18.36
109	I	BROMOCHLOROMETHANE (A)	1.000	1.000	0.0	99	0.00	3.23
110		TVHC as equiv Pentane	4.246	5.180	-22.0	122	0.00	2.27

(#) = Out of Range SPCC's out = 0 CCC's out = 0
7w11240.D M7W405.M Tue Jan 07 18:50:42 2025

6.9.14

6

Continuing Calibration Summary

Job Number: JE2491 **Sample:** V7W415-CC405
Account: GESNYP Groundwater & Environmental Services **Lab FileID:** 7W11571.D
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\g...2025\V7W415\7w11571.D Vial: 3
Acq On : 7 Jan 2025 9:29 pm Operator: benk
Sample : cc405-10 Inst : MS7W
Misc : MS88278,v7w415,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7W405.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
Last Update : Sun Dec 29 19:41:17 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	99	0.00	3.23
2	T	FREON 115		----------NA----------				
3	T	FREON 152A	0.476	0.505	-6.1	100	0.00	1.63
4	T	CHLORODIFLUOROMETHANE	0.242	0.265	-9.5	107	0.00	1.64
5	T	CHLOROTRIFLUOROETHENE	1.165	1.191	-2.2	96	0.00	1.65
6	T	DICHLORODIFLUOROMETHANE	2.493	2.770	-11.1	106	0.00	1.67
7	T	PROPYLENE	0.656	0.690	-5.2	111	0.00	1.65
8	T	1-CHLORO-1,1-DIFLUOROETHA	1.847	2.074	-12.3	107	0.00	1.71
9	T	FREON 114	1.978	2.271	-14.8	108	0.00	1.74
10	T	CHLOROMETHANE	0.259	0.308	-18.9	124	0.00	1.71
11	T	VINYL CHLORIDE	0.836	1.063	-27.2	120	0.00	1.77
12	t	1,3-BUTADIENE	0.713	0.821	-15.1	123	0.00	1.81
13	T	N-BUTANE	1.297	1.570	-21.0	126	0.00	1.82
14	T	BROMOMETHANE	0.748	0.807	-7.9	107	0.00	1.89
15	T	CHLOROETHANE	0.453	0.537	-18.5	117	0.00	1.93
16	T	DICHLOROFLUOROMETHANE	1.763	2.093	-18.7	114	0.00	1.96
17	T	ACETONITRILE	0.804	0.988	-22.9	131	0.00	2.02
18	T	ACROLEIN	0.422	0.473	-12.1	120	0.00	2.06
19	T	FREON 123	1.903	2.097	-10.2	109	0.00	2.08
20	T	FREON 123A	1.185	1.242	-4.8	102	0.00	2.09
21	T	TRICHLOROFLUOROMETHANE	2.196	2.435	-10.9	103	0.00	2.16
22	T	ISOPROPYL ALCOHOL	1.853	2.146	-15.8	120	0.00	2.17
23	T	ACETONE	0.581	0.543	6.5	119	0.00	2.10
24	T	PENTANE	0.890	1.122	-26.1	126	0.00	2.27
25	T	IODOMETHANE	2.012	2.105	-4.6	97	0.00	2.33
26	T	1,1-DICHLOROETHYLENE	0.867	0.863	0.5	104	0.00	2.36
27	T	CARBON DISULFIDE	2.159	2.531	-17.2	110	0.00	2.49
28	T	ETHANOL	0.507	0.618	-21.9	132	0.00	1.96
29	T	BROMOETHENE	0.797	0.834	-4.6	102	0.00	2.03
30	T	ACRYLONITRILE	0.719	0.749	-4.2	122	0.00	2.24
31	T	METHYLENE CHLORIDE	0.791	0.794	-0.4	107	0.00	2.40
32	T	3-CHLOROPROPENE	0.412	0.437	-6.1	104	0.00	2.44
33	T	FREON 113	1.313	1.356	-3.3	97	0.00	2.49
34	T	TRANS-1,2-DICHLOROETHENE	0.903	0.929	-2.9	104	0.00	2.72
35	T	TERTIARY BUTYL ALCOHOL	2.131	2.378	-11.6	109	0.00	2.37
36	t	METHYL TERTIARY BUTYL ETH	2.581	2.603	-0.9	98	0.00	2.82
37	T	TETRAHYDROFURAN	0.400	0.448	-12.0	102	0.00	3.51
38	T	HEXANE	1.647	1.805	-9.6	111	0.00	3.28
39	T	VINYL ACETATE	0.244	0.236	3.3	93	0.00	2.86
40	T	1,1-DICHLOROETHANE	1.615	1.789	-10.8	105	0.00	2.79
41	T	METHYL ETHYL KETONE	0.444	0.459	-3.4	98	0.00	2.96
42	T	CIS-1,2-DICHLOROETHENE	0.930	0.954	-2.6	97	0.00	3.15

Continuing Calibration Summary

Job Number: JE2491 **Sample:** V7W415-CC405
Account: GESNYP Groundwater & Environmental Services **Lab FileID:** 7W11571.D
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

43	T	DIISOPROPYL ETHER	0.456	0.510	-11.8	110	0.00	3.28
44	T	ETHYL ACETATE	0.316	0.349	-10.4	104	0.00	3.28
45	T	METHYL ACRYLATE	1.850	2.109	-14.0	108	0.00	3.27
46	T	CHLOROFORM	1.828	1.991	-8.9	103	0.00	3.30
47	T	2,4-DIMETHYLPENTANE	1.821	2.030	-11.5	108	0.00	3.79
48	T	1,1,1-TRICHLOROETHANE	1.960	2.051	-4.6	99	0.00	3.87
49	T	CARBON TETRACHLORIDE	1.944	2.052	-5.6	92	0.00	4.28
50	T	1,2-DICHLOROETHANE	1.368	1.597	-16.7	109	0.00	3.70
51	t	BENZENE	2.671	2.753	-3.1	101	0.00	4.17
52	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	96	0.00	4.49
53	T	CYCLOHEXANE	0.236	0.251	-6.4	97	0.00	4.38
54	T	2,3-DIMETHYLPENTANE	0.124	0.133	-7.3	101	0.00	4.63
55	T	TRICHLOROETHENE	0.254	0.277	-9.1	99	0.00	5.06
56	T	1,2-DICHLOROPROPANE	0.217	0.246	-13.4	104	0.00	4.83
57	T	DIBROMOMETHANE	0.239	0.245	-2.5	100	0.00	4.79
58	T	ETHYL ACRYLATE	0.461	0.532	-15.4	104	0.00	4.95
59	T	BROMODICHLOROMETHANE	0.405	0.456	-12.6	99	0.00	5.01
60	T	2,2,4-TRIMETHYLPENTANE	0.962	1.138	-18.3	109	0.00	5.16
61	T	1,4-DIOXANE	0.142	0.144	-1.4	97	0.00	5.08
62	T	HEPTANE	0.338	0.418	-23.7	115	0.00	5.47
63	T	METHYL METHACRYLATE	0.217	0.219	-0.9	97	0.00	5.37
64	T	METHYL ISOBUTYL KETONE	0.202	0.219	-8.4	106	0.00	6.09
65	T	CIS-1,3-DICHLOROPROPENE	0.340	0.367	-7.9	95	0.00	5.99
66	T	TOLUENE	0.707	0.736	-4.1	98	0.00	7.19
67	T	1,3-DICHLOROPROPANE	0.330	0.373	-13.0	101	0.00	7.25
68	T	TRANS-1,3-DICHLOROPROPENE	0.319	0.335	-5.0	93	0.00	6.66
69	T	1,1,2-TRICHLOROETHANE	0.194	0.213	-9.8	100	0.00	6.82
70	T	2-HEXANONE	0.315	0.304	3.5	104	0.00	7.76
71	T	ETHYL METHACRYLATE	0.378	0.381	-0.8	97	0.00	7.89
72	T	TETRACHLOROETHENE	0.268	0.293	-9.3	101	0.00	8.90
73	T	DIBROMOCHLOROMETHANE	0.408	0.439	-7.6	95	0.00	7.72
74	T	1,2-DIBROMOETHANE	0.356	0.394	-10.7	97	0.00	8.06
75	T	OCTANE	0.479	0.583	-21.7	114	0.00	9.06
76	I	CHLOROBENZENE-D5	1.000	1.000	0.0	98	0.00	10.03
77	T	1,1,1,2-TETRACHLOROETHANE	0.320	0.331	-3.4	93	0.00	10.12
78	T	CHLOROBENZENE	0.582	0.627	-7.7	98	0.00	10.11
79	t	ETHYLBENZENE	0.985	1.008	-2.3	98	0.00	10.98
80	t	M,P-XYLENE	0.772	0.824	-6.7	100	0.00	11.42
81	t	O-XYLENE	0.775	0.830	-7.1	101	0.00	12.35
82	T	STYRENE	0.555	0.617	-11.2	98	0.00	12.13
83	T	NONANE	0.533	0.658	-23.5	116	0.00	13.47
84	T	BROMOFORM	0.383	0.401	-4.7	92	0.00	11.23
85	T	1,1,2,2-TETRACHLOROETHANE	0.516	0.588	-14.0	103	0.00	12.36
86	T	1,2,3-TRICHLOROPROPANE	0.412	0.482	-17.0	104	0.00	12.64
87	S	4-BROMOFLUOROBENZENE	0.726	0.745	-2.6	100	0.00	13.38
88	T	ISOPROPYLBENZENE	0.296	0.319	-7.8	97	0.00	13.86
89	T	BROMOBENZENE	0.552	0.608	-10.1	101	0.00	13.72
90	T	2-CHLOROTOLUENE	0.269	0.293	-8.9	96	0.00	14.85
91	T	N-PROPYLBENZENE	0.300	0.337	-12.3	98	0.00	15.19
92	T	4-ETHYLTOLUENE	1.077	1.199	-11.3	101	0.00	15.64
93	T	1,3,5-TRIMETHYLBENZENE	0.906	1.011	-11.6	102	0.00	15.91
94	T	ALPHA-METHYLSTYRENE	0.463	0.529	-14.3	101	0.00	16.22
95	T	TERT-BUTYLBENZENE	0.217	0.241	-11.1	101	0.00	16.53
96	T	1,2,4-TRIMETHYLBENZENE	0.914	1.052	-15.1	105	0.00	16.54
97	T	BENZYL CHLORIDE	0.810	0.751	7.3	80	0.00	16.63
98	T	M-DICHLOROBENZENE	0.624	0.712	-14.1	103	0.00	16.60
99	T	P-DICHLOROBENZENE	0.607	0.689	-13.5	103	0.00	16.69
100	T	O-DICHLOROBENZENE	0.589	0.661	-12.2	103	0.00	17.01

Continuing Calibration Summary

Job Number: JE2491 **Sample:** V7W415-CC405
Account: GESNYP Groundwater & Environmental Services **Lab FileID:** 7W11571.D
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

101	T	SEC-BUTYLBENZENE	0.270	0.304	-12.6	100	0.00	16.84
102	T	1,2,3-TRIMETHYLBENZENE	0.916	1.042	-13.8	104	0.00	16.96
103	T	P-ISOPROPYLTOLUENE	0.300	0.334	-11.3	100	0.00	17.03
104	T	N-BUTYLBENZENE	0.293	0.331	-13.0	100	0.00	17.39
105	T	HEXACHLOROETHANE	0.349	0.337	3.4	83	0.00	17.57
106	T	HEXACHLOROBUTADIENE	0.438	0.534	-21.9	110	0.00	18.62
107	T	1,2,4-TRICHLOROBENZENE	0.503	0.616	-22.5	102	0.00	18.32
108	T	NAPHTHALENE	1.117	1.314	-17.6	100	0.00	18.36
109	I	BROMOCHLOROMETHANE (A)	1.000	1.000	0.0	99	0.00	3.23
110		TVHC as equiv Pentane	4.246	5.174	-21.9	121	0.00	2.27

(#) = Out of Range SPCC's out = 0 CCC's out = 0
7w11240.D M7W405.M Wed Jan 08 21:38:04 2025

Run Sequence Report

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Run ID: V5W2125	**Method:** TO-15	**Instrument ID:** GCMS5W

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V5W2125-BFB	5W55458.D	12/09/24 03:34	n/a	BFB Tune
V5W2125-IC2125	5W55459.D	12/09/24 04:14	n/a	Initial cal 0.04
V5W2125-IC2125	5W55460.D	12/09/24 04:54	n/a	Initial cal 0.1
V5W2125-IC2125	5W55461.D	12/09/24 05:35	n/a	Initial cal 0.2
V5W2125-IC2125	5W55463.D	12/09/24 06:59	n/a	Initial cal 0.5
V5W2125-IC2125	5W55464.D	12/09/24 07:45	n/a	Initial cal 5
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	n/a	Initial cal 10
V5W2125-IC2125	5W55467.D	12/09/24 09:45	n/a	Initial cal 20
V5W2125-IC2125	5W55468.D	12/09/24 10:29	n/a	Initial cal 40
V5W2125-IC2125	5W55469.D	12/09/24 11:14	n/a	Initial cal 50
V5W2125-ICV2125	5W55473.D	12/09/24 13:55	n/a	Initial cal verification 10

Run Sequence Report

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Run ID: V5W2132 **Method:** TO-15 **Instrument ID:** GCMS5W

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V5W2132-BFB	5W55663.D	12/16/24 12:41	n/a	BFB Tune
V5W2132-CC2125	5W55664.D	12/16/24 13:21	n/a	Continuing cal 10
V5W2132-BS	5W55665.D	12/16/24 14:48	n/a	Blank Spike
V5W2132-BSD	5W55666.D	12/16/24 15:29	n/a	Blank Spike Duplicate
V5W2132-MB	5W55670.D	12/16/24 18:38	n/a	Method Blank
V5W2132-SCC	5W55670A.D	12/16/24 18:38	n/a	Summa Cleaning Certification
V5W2132-SCC	5W55671.D	12/16/24 19:23	n/a	Summa Cleaning Certification
V5W2132-SCC	5W55672.D	12/16/24 20:09	n/a	Summa Cleaning Certification
ZZZZZZ	5W55673.D	12/16/24 20:57	n/a	(unrelated sample)
JE2487-4	5W55674.D	12/16/24 21:45	n/a	(used for QC only; not part of job JE2491)
JE2487-4DUP	5W55675.D	12/16/24 22:33	n/a	Duplicate
ZZZZZZ	5W55676.D	12/16/24 23:21	n/a	(unrelated sample)
ZZZZZZ	5W55677.D	12/17/24 00:02	n/a	(unrelated sample)
ZZZZZZ	5W55678.D	12/17/24 00:43	n/a	(unrelated sample)
ZZZZZZ	5W55679.D	12/17/24 01:22	n/a	(unrelated sample)
ZZZZZZ	5W55680.D	12/17/24 02:03	n/a	(unrelated sample)
ZZZZZZ	5W55681.D	12/17/24 02:43	n/a	(unrelated sample)
ZZZZZZ	5W55682.D	12/17/24 03:24	n/a	(unrelated sample)
ZZZZZZ	5W55683.D	12/17/24 04:05	n/a	(unrelated sample)
ZZZZZZ	5W55684.D	12/17/24 04:46	n/a	(unrelated sample)
ZZZZZZ	5W55685.D	12/17/24 05:27	n/a	(unrelated sample)
ZZZZZZ	5W55686.D	12/17/24 06:08	n/a	(unrelated sample)
V5W2132-SCC	5W55688.D	12/17/24 07:34	n/a	Summa Cleaning Certification
ZZZZZZ	5W55689.D	12/17/24 08:21	n/a	(unrelated sample)
ZZZZZZ	5W55690.D	12/17/24 09:07	n/a	(unrelated sample)
ZZZZZZ	5W55691.D	12/17/24 09:53	n/a	(unrelated sample)
ZZZZZZ	5W55692.D	12/17/24 10:53	n/a	(unrelated sample)
ZZZZZZ	5W55693.D	12/17/24 11:40	n/a	(unrelated sample)

Run Sequence Report

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Run ID: V5W2133	**Method:** TO-15	**Instrument ID:** GCMS5W

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V5W2133-BFB	5W55699.D	12/17/24 19:52	n/a	BFB Tune
V5W2133-CC2125	5W55700.D	12/17/24 20:32	n/a	Continuing cal 10
V5W2133-BS	5W55701.D	12/17/24 21:13	n/a	Blank Spike
V5W2133-BSD	5W55703.D	12/17/24 22:35	n/a	Blank Spike Duplicate
V5W2133-MB	5W55706.D	12/18/24 00:51	n/a	Method Blank
V5W2133-SCC	5W55707.D	12/18/24 01:36	n/a	Summa Cleaning Certification
V5W2133-SCC	5W55709.D	12/18/24 03:08	n/a	Summa Cleaning Certification
V5W2133-SCC	5W55712.D	12/18/24 05:29	n/a	Summa Cleaning Certification
V5W2133-SCC	5W55713.D	12/18/24 06:16	n/a	Summa Cleaning Certification
V5W2133-SCC	5W55714.D	12/18/24 07:02	n/a	Summa Cleaning Certification
JE2488-2	5W55716.D	12/18/24 08:40	n/a	(used for QC only; not part of job JE2491)
JE2488-2DUP	5W55717.D	12/18/24 09:29	n/a	Duplicate
ZZZZZZ	5W55721.D	12/18/24 12:42	n/a	(unrelated sample)
JE2491-2	5W55722.D	12/18/24 13:30	n/a	IA-3
ZZZZZZ	5W55724.D	12/18/24 14:59	n/a	(unrelated sample)
ZZZZZZ	5W55725.D	12/18/24 15:40	n/a	(unrelated sample)

Run Sequence Report

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Run ID: V5W2136	**Method:** TO-15	**Instrument ID:** GCMS5W

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V5W2136-BFB	5W55777.D	12/20/24 12:26	n/a	BFB Tune
V5W2136-CC2125	5W55778.D	12/20/24 13:06	n/a	Continuing cal 10
V5W2136-BS	5W55779.D	12/20/24 13:55	n/a	Blank Spike
V5W2136-BSD	5W55781.D	12/20/24 15:34	n/a	Blank Spike Duplicate
V5W2136-MB	5W55783.D	12/20/24 17:06	n/a	Method Blank
JE2665-1	5W55784.D	12/20/24 18:21	n/a	(used for QC only; not part of job JE2491)
JE2665-1DUP	5W55785.D	12/20/24 19:03	n/a	Duplicate
ZZZZZZ	5W55786.D	12/20/24 19:55	n/a	(unrelated sample)
ZZZZZZ	5W55788.D	12/20/24 21:22	n/a	(unrelated sample)
ZZZZZZ	5W55789.D	12/20/24 22:14	n/a	(unrelated sample)
ZZZZZZ	5W55790.D	12/20/24 22:55	n/a	(unrelated sample)
ZZZZZZ	5W55791.D	12/20/24 23:46	n/a	(unrelated sample)
ZZZZZZ	5W55792.D	12/21/24 00:26	n/a	(unrelated sample)
ZZZZZZ	5W55793.D	12/21/24 01:09	n/a	(unrelated sample)
ZZZZZZ	5W55794.D	12/21/24 01:49	n/a	(unrelated sample)
JE2491-1	5W55795.D	12/21/24 02:30	n/a	SS-3
JE2491-2	5W55796.D	12/21/24 03:11	n/a	IA-3
JE2491-3	5W55797.D	12/21/24 03:54	n/a	SS-4
ZZZZZZ	5W55799.D	12/21/24 05:21	n/a	(unrelated sample)
ZZZZZZ	5W55800.D	12/21/24 06:08	n/a	(unrelated sample)

Run Sequence Report

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Run ID: V5W2138	**Method:** TO-15	**Instrument ID:** GCMS5W

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V5W2138-BFB	5W55818.D	12/23/24 08:13	n/a	BFB Tune
V5W2138-CC2125	5W55819.D	12/23/24 09:11	n/a	Continuing cal 10
V5W2138-BS	5W55820.D	12/23/24 10:07	n/a	Blank Spike
V5W2138-BSD	5W55821.D	12/23/24 11:17	n/a	Blank Spike Duplicate
V5W2138-MB	5W55823.D	12/23/24 12:54	n/a	Method Blank
V5W2138-SCC	5W55824.D	12/23/24 14:29	n/a	Summa Cleaning Certification
JE2315-1	5W55825.D	12/23/24 15:24	n/a	(used for QC only; not part of job JE2491)
JE2315-1DUP	5W55826.D	12/23/24 16:11	n/a	Duplicate
ZZZZZZ	5W55827.D	12/23/24 16:52	n/a	(unrelated sample)
ZZZZZZ	5W55828.D	12/23/24 17:34	n/a	(unrelated sample)
ZZZZZZ	5W55829.D	12/23/24 18:20	n/a	(unrelated sample)
ZZZZZZ	5W55830.D	12/23/24 19:01	n/a	(unrelated sample)
JE2491-2	5W55831.D	12/23/24 19:43	n/a	IA-3
ZZZZZZ	5W55833.D	12/23/24 21:09	n/a	(unrelated sample)
ZZZZZZ	5W55834.D	12/23/24 21:56	n/a	(unrelated sample)
ZZZZZZ	5W55835.D	12/23/24 22:42	n/a	(unrelated sample)
ZZZZZZ	5W55836.D	12/23/24 23:28	n/a	(unrelated sample)
ZZZZZZ	5W55837.D	12/24/24 00:14	n/a	(unrelated sample)
ZZZZZZ	5W55838.D	12/24/24 01:01	n/a	(unrelated sample)
ZZZZZZ	5W55839.D	12/24/24 01:54	n/a	(unrelated sample)

Run Sequence Report

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Run ID: V7W305	**Method:** TO-15	**Instrument ID:** GCMS7W

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V7W305-BFB	7W07974.D	08/18/24 21:06	n/a	BFB Tune
V7W305-IC305	7W07975.D	08/18/24 21:40	n/a	Initial cal 0.04
V7W305-IC305	7W07976.D	08/18/24 22:13	n/a	Initial cal 0.10
V7W305-IC305	7W07977.D	08/18/24 22:49	n/a	Initial cal 0.20
V7W305-IC305	7W07978.D	08/18/24 23:22	n/a	Initial cal 0.50
V7W305-IC305	7W07979.D	08/19/24 00:01	n/a	Initial cal 5
V7W305-ICC305	7W07980.D	08/19/24 00:35	n/a	Initial cal 10
V7W305-IC305	7W07981.D	08/19/24 01:10	n/a	Initial cal 20
V7W305-IC305	7W07982.D	08/19/24 01:48	n/a	Initial cal 40
V7W305-IC305	7W07983.D	08/19/24 02:28	n/a	Initial cal 50
V7W305-ICV305	7W07990.D	08/19/24 06:28	n/a	Initial cal verification 10

Run Sequence Report

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Run ID: V7W387 **Method:** TO-15 **Instrument ID:** GCMS7W

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V7W387-BFB	7W10575.D	11/18/24 08:59	n/a	BFB Tune
V7W387-CC305	7W10576.D	11/18/24 09:35	n/a	Continuing cal 10
V7W387-BS	7W10577.D	11/18/24 10:11	n/a	Blank Spike
V7W387-BSD	7W10578.D	11/18/24 10:46	n/a	Blank Spike Duplicate
V7W387-MB	7W10580.D	11/18/24 12:04	n/a	Method Blank
JD99820-1	7W10582.D	11/18/24 13:59	n/a	(used for QC only; not part of job JE2491)
JD99820-1DUP	7W10583.D	11/18/24 14:40	n/a	Duplicate
ZZZZZZ	7W10584.D	11/18/24 15:21	n/a	(unrelated sample)
ZZZZZZ	7W10586.D	11/18/24 16:44	n/a	(unrelated sample)
ZZZZZZ	7W10587.D	11/18/24 17:25	n/a	(unrelated sample)
ZZZZZZ	7W10588.D	11/18/24 18:07	n/a	(unrelated sample)
ZZZZZZ	7W10590.D	11/18/24 19:30	n/a	(unrelated sample)
ZZZZZZ	7W10591.D	11/18/24 20:11	n/a	(unrelated sample)
ZZZZZZ	7W10592.D	11/18/24 20:52	n/a	(unrelated sample)
ZZZZZZ	7W10593.D	11/18/24 21:28	n/a	(unrelated sample)
ZZZZZZ	7W10594.D	11/18/24 22:04	n/a	(unrelated sample)
ZZZZZZ	7W10595.D	11/18/24 22:41	n/a	(unrelated sample)
ZZZZZZ	7W10597.D	11/18/24 23:53	n/a	(unrelated sample)
ZZZZZZ	7W10598.D	11/19/24 00:29	n/a	(unrelated sample)
ZZZZZZ	7W10599.D	11/19/24 01:06	n/a	(unrelated sample)
ZZZZZZ	7W10601.D	11/19/24 02:18	n/a	(unrelated sample)
ZZZZZZ	7W10602.D	11/19/24 02:55	n/a	(unrelated sample)
V7W387-SCC	7W10603.D	11/19/24 03:31	n/a	Summa Cleaning Certification
V7W387-SCC	7W10604.D	11/19/24 04:07	n/a	Summa Cleaning Certification
V7W387-SCC	7W10605.D	11/19/24 04:48	n/a	Summa Cleaning Certification
V7W387-SCC	7W10606.D	11/19/24 05:29	n/a	Summa Cleaning Certification
V7W387-SCC	7W10607.D	11/19/24 06:10	n/a	Summa Cleaning Certification
ZZZZZZ	7W10608.D	11/19/24 06:51	n/a	(unrelated sample)

Run Sequence Report

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Run ID: V7W392 **Method:** TO-15 **Instrument ID:** GCMS7W

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V7W392-BFB	7W10742.D	11/25/24 08:36	n/a	BFB Tune
V7W392-CC305	7W10743.D	11/25/24 09:11	n/a	Continuing cal 10
V7W392-BS	7W10744.D	11/25/24 09:50	n/a	Blank Spike
V7W392-BSD	7W10745.D	11/25/24 10:26	n/a	Blank Spike Duplicate
V7W392-MB	7W10747.D	11/25/24 11:46	n/a	Method Blank
ZZZZZZ	7W10748.D	11/25/24 12:29	n/a	(unrelated sample)
ZZZZZZ	7W10749.D	11/25/24 13:04	n/a	(unrelated sample)
ZZZZZZ	7W10750.D	11/25/24 13:39	n/a	(unrelated sample)
ZZZZZZ	7W10751.D	11/25/24 14:14	n/a	(unrelated sample)
ZZZZZZ	7W10752.D	11/25/24 14:56	n/a	(unrelated sample)
JE994-2	7W10754.D	11/25/24 16:07	n/a	(used for QC only; not part of job JE2491)
ZZZZZZ	7W10757.D	11/25/24 17:55	n/a	(unrelated sample)
ZZZZZZ	7W10758.D	11/25/24 18:30	n/a	(unrelated sample)
ZZZZZZ	7W10759.D	11/25/24 19:05	n/a	(unrelated sample)
ZZZZZZ	7W10760.D	11/25/24 19:40	n/a	(unrelated sample)
ZZZZZZ	7W10761.D	11/25/24 20:16	n/a	(unrelated sample)
ZZZZZZ	7W10763.D	11/25/24 21:26	n/a	(unrelated sample)
ZZZZZZ	7W10764.D	11/25/24 22:01	n/a	(unrelated sample)
JE1061-10	7W10765.D	11/25/24 22:38	n/a	(used for QC only; not part of job JE2491)
ZZZZZZ	7W10766.D	11/25/24 23:19	n/a	(unrelated sample)
ZZZZZZ	7W10767.D	11/26/24 00:00	n/a	(unrelated sample)
ZZZZZZ	7W10768.D	11/26/24 00:42	n/a	(unrelated sample)
ZZZZZZ	7W10771.D	11/26/24 02:42	n/a	(unrelated sample)
V7W392-SCC	7W10772.D	11/26/24 03:23	n/a	Summa Cleaning Certification
V7W392-SCC	7W10773.D	11/26/24 04:04	n/a	Summa Cleaning Certification
V7W392-SCC	7W10774.D	11/26/24 04:44	n/a	Summa Cleaning Certification
V7W392-SCC	7W10775.D	11/26/24 05:25	n/a	Summa Cleaning Certification
V7W392-SCC	7W10777.D	11/26/24 06:47	n/a	Summa Cleaning Certification
JE1061-10DUP	7W10779.D	11/26/24 08:24	n/a	Duplicate

Run Sequence Report

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Run ID: V7W394 **Method:** TO-15 **Instrument ID:** GCMS7W

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V7W394-BFB	7W10809.D	11/27/24 18:19	n/a	BFB Tune
V7W394-CC305	7W10810.D	11/27/24 18:54	n/a	Continuing cal 10
V7W394-BS	7W10811.D	11/27/24 19:39	n/a	Blank Spike
V7W394-BSD	7W10812.D	11/27/24 20:15	n/a	Blank Spike Duplicate
V7W394-MB	7W10814.D	11/27/24 21:31	n/a	Method Blank
V7W394-SCC	7W10816.D	11/27/24 22:42	n/a	Summa Cleaning Certification
V7W394-SCC	7W10817.D	11/27/24 23:18	n/a	Summa Cleaning Certification
V7W394-SCC	7W10818.D	11/27/24 23:53	n/a	Summa Cleaning Certification
V7W394-SCC	7W10819.D	11/28/24 00:29	n/a	Summa Cleaning Certification
V7W394-SCC	7W10820.D	11/28/24 01:04	n/a	Summa Cleaning Certification
V7W394-SCC	7W10822.D	11/28/24 02:14	n/a	Summa Cleaning Certification
V7W394-SCC	7W10823.D	11/28/24 02:50	n/a	Summa Cleaning Certification
V7W394-SCC	7W10824.D	11/28/24 03:26	n/a	Summa Cleaning Certification
V7W394-SCC	7W10825.D	11/28/24 04:02	n/a	Summa Cleaning Certification
V7W394-SCC	7W10826.D	11/28/24 04:38	n/a	Summa Cleaning Certification
V7W394-SCC	7W10828.D	11/28/24 05:49	n/a	Summa Cleaning Certification
V7W394-SCC	7W10831.D	11/28/24 07:35	n/a	Summa Cleaning Certification
V7W394-SCC	7W10833.D	11/28/24 08:46	n/a	Summa Cleaning Certification
V7W394-SCC	7W10836.D	11/28/24 10:34	n/a	Summa Cleaning Certification
V7W394-SCC	7W10837.D	11/28/24 11:09	n/a	Summa Cleaning Certification
V7W394-SCC	7W10838.D	11/28/24 11:45	n/a	Summa Cleaning Certification
V7W394-SCC	7W10839.D	11/28/24 12:20	n/a	Summa Cleaning Certification
V7W394-SCC	7W10840.D	11/28/24 12:55	n/a	Summa Cleaning Certification
V7W394-SCC	7W10841.D	11/28/24 13:31	n/a	Summa Cleaning Certification
V7W394-SCC	7W10842.D	11/28/24 14:08	n/a	Summa Cleaning Certification
V7W394-SCC	7W10843.D	11/28/24 14:44	n/a	Summa Cleaning Certification
V7W394-SCC	7W10844.D	11/28/24 15:19	n/a	Summa Cleaning Certification
V7W394-SCC	7W10845.D	11/28/24 15:55	n/a	Summa Cleaning Certification
V7W394-SCC	7W10846.D	11/28/24 16:32	n/a	Summa Cleaning Certification
V7W394-SCC	7W10847.D	11/28/24 17:07	n/a	Summa Cleaning Certification

Run Sequence Report

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Run ID: V7W405	**Method:** TO-15	**Instrument ID:** GCMS7W

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V7W405-BFB	7W11232.D	12/28/24 08:40	n/a	BFB Tune
V7W405-IC405	7W11233.D	12/28/24 09:16	n/a	Initial cal 0.04
V7W405-IC405	7W11234.D	12/28/24 09:53	n/a	Initial cal 0.10
V7W405-IC405	7W11235.D	12/28/24 10:32	n/a	Initial cal 0.20
V7W405-IC405	7W11237.D	12/28/24 11:51	n/a	Initial cal 0.50
V7W405-IC405	7W11238.D	12/28/24 12:34	n/a	Initial cal 5
V7W405-ICC405	7W11240.D	12/28/24 13:47	n/a	Initial cal 10
V7W405-IC405	7W11241.D	12/28/24 14:25	n/a	Initial cal 20
V7W405-IC405	7W11242.D	12/28/24 15:08	n/a	Initial cal 40
V7W405-IC405	7W11243.D	12/28/24 15:52	n/a	Initial cal 50
V7W405-ICV405	7W11247.D	12/28/24 18:36	n/a	Initial cal verification 10

Run Sequence Report

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Run ID: V7W414 **Method:** TO-15 **Instrument ID:** GCMS7W

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V7W414-BFB	7W11534.D	01/06/25 20:16	n/a	BFB Tune
V7W414-CC405	7W11535.D	01/06/25 20:54	n/a	Continuing cal 10
V7W414-BS	7W11536.D	01/06/25 21:31	n/a	Blank Spike
V7W414-BSD	7W11537.D	01/06/25 22:08	n/a	Blank Spike Duplicate
V7W414-MB	7W11539.D	01/06/25 23:35	n/a	Method Blank
V7W414-SCC	7W11540.D	01/07/25 00:19	n/a	Summa Cleaning Certification
V7W414-SCC	7W11542.D	01/07/25 01:41	n/a	Summa Cleaning Certification
JE2491-4	7W11545.D	01/07/25 03:36	n/a	IA-4
ZZZZZZ	7W11546.D	01/07/25 04:17	n/a	(unrelated sample)
ZZZZZZ	7W11547.D	01/07/25 04:56	n/a	(unrelated sample)
JE2792-5	7W11548.D	01/07/25 05:40	n/a	(used for QC only; not part of job JE2491)
JE2792-5DUP	7W11549.D	01/07/25 06:24	n/a	Duplicate
ZZZZZZ	7W11550.D	01/07/25 07:03	n/a	(unrelated sample)
ZZZZZZ	7W11551.D	01/07/25 07:42	n/a	(unrelated sample)
ZZZZZZ	7W11552.D	01/07/25 08:22	n/a	(unrelated sample)
ZZZZZZ	7W11553.D	01/07/25 09:01	n/a	(unrelated sample)
ZZZZZZ	7W11554.D	01/07/25 09:40	n/a	(unrelated sample)
ZZZZZZ	7W11555.D	01/07/25 10:19	n/a	(unrelated sample)
ZZZZZZ	7W11556.D	01/07/25 10:58	n/a	(unrelated sample)
ZZZZZZ	7W11557.D	01/07/25 11:42	n/a	(unrelated sample)
ZZZZZZ	7W11558.D	01/07/25 12:21	n/a	(unrelated sample)
ZZZZZZ	7W11559.D	01/07/25 13:03	n/a	(unrelated sample)
ZZZZZZ	7W11560.D	01/07/25 13:50	n/a	(unrelated sample)
ZZZZZZ	7W11561.D	01/07/25 14:36	n/a	(unrelated sample)
JE3178-5	7W11562.D	01/07/25 15:14	n/a	(used for QC only; not part of job JE2491)
JE3178-5DUP	7W11563.D	01/07/25 15:53	n/a	Duplicate
ZZZZZZ	7W11566.D	01/07/25 17:55	n/a	(unrelated sample)
ZZZZZZ	7W11567.D	01/07/25 18:33	n/a	(unrelated sample)
ZZZZZZ	7W11568.D	01/07/25 19:13	n/a	(unrelated sample)
ZZZZZZ	7W11569.D	01/07/25 19:55	n/a	(unrelated sample)

Run Sequence Report

Job Number: JE2491
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Run ID: V7W415	**Method:** TO-15	**Instrument ID:** GCMS7W

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V7W415-BFB	7W11570.D	01/07/25 20:52	n/a	BFB Tune
V7W415-CC405	7W11571.D	01/07/25 21:29	n/a	Continuing cal 10
V7W415-BS	7W11572.D	01/07/25 22:06	n/a	Blank Spike
V7W415-BSD	7W11573.D	01/07/25 22:43	n/a	Blank Spike Duplicate
V7W415-MB	7W11575.D	01/08/25 00:11	n/a	Method Blank
V7W415-SCC	7W11576.D	01/08/25 00:54	n/a	Summa Cleaning Certification
V7W415-SCC	7W11578.D	01/08/25 02:16	n/a	Summa Cleaning Certification
V7W415-SCC	7W11579.D	01/08/25 02:59	n/a	Summa Cleaning Certification
ZZZZZZ	7W11580.D	01/08/25 03:38	n/a	(unrelated sample)
ZZZZZZ	7W11581.D	01/08/25 04:23	n/a	(unrelated sample)
V7W415-SCC	7W11582.D	01/08/25 05:06	n/a	Summa Cleaning Certification
ZZZZZZ	7W11583.D	01/08/25 05:50	n/a	(unrelated sample)
ZZZZZZ	7W11584.D	01/08/25 06:34	n/a	(unrelated sample)
JE3433-3	7W11585.D	01/08/25 07:18	n/a	(used for QC only; not part of job JE2491)
JE3433-3DUP	7W11588.D	01/08/25 15:57	n/a	Duplicate
ZZZZZZ	7W11589.D	01/08/25 16:34	n/a	(unrelated sample)
ZZZZZZ	7W11591.D	01/08/25 18:06	n/a	(unrelated sample)
ZZZZZZ	7W11592.D	01/08/25 18:52	n/a	(unrelated sample)
ZZZZZZ	7W11593.D	01/08/25 19:37	n/a	(unrelated sample)
JE2491-4	7W11594.D	01/08/25 20:22	n/a	IA-4

MS Volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55795.D
Acq On : 21 Dec 2024 2:30 am
Operator : thomash
Sample : je2491-1 Inst : GCMS5W
Misc : MS88104,V5W2136,100,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 23 07:52:56 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

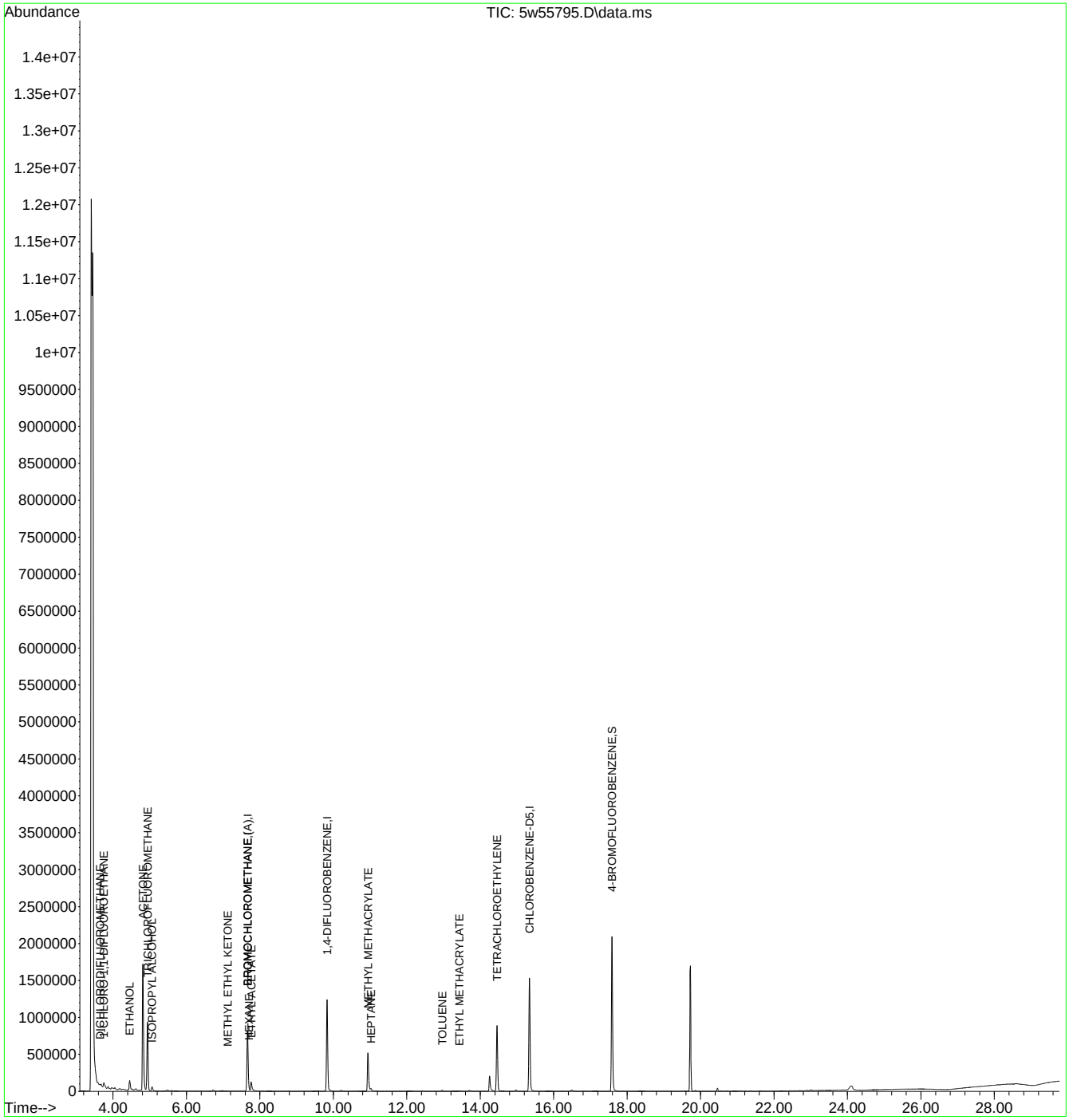
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	7.663	128	216763	10.00	PPBV	# 0.00
51) 1,4-DIFLUOROBENZENE	9.829	114	1073025	10.00	PPBV	0.00
70) CHLOROBENZENE-D5	15.341	82	603430	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	7.663	128	216763	10.00	PPBV	# 0.00
System Monitoring Compounds						
85) 4-BROMOFLUOROBENZENE	17.586	95	751325	11.13	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 111.30%			
Target Compounds						Qvalue
6) DICHLORODIFLUOROMETHANE	3.644	85	11627	0.1468	PPBV	86
8) 1-CHLORO-1,1-DIFLUOROE...	3.748	65	18362	0.2264	PPBV	94
21) TRICHLOROFLUOROMETHANE	4.940	101	763310	10.4272	PPBV	100
22) ISOPROPYL ALCOHOL	5.063	45	78372	1.6897	PPBV	90
23) ACETONE	4.812	58	615907	35.2294	PPBV #	81
28) ETHANOL	4.451	45	166488	9.7941	PPBV	98
38) HEXANE	7.700	57	4140	0.1219	PPBV	84
41) METHYL ETHYL KETONE	7.118	72	1100	0.1170	PPBV #	96
44) ETHYL ACETATE	7.767	61	23993	3.4592	PPBV #	76
62) HEPTANE	11.028	43	14433	0.3499	PPBV	93
63) METHYL METHACRYLATE	10.942	69	245664	9.5013	PPBV	87
66) TOLUENE	12.967	92	9105	0.1674	PPBV	97
72) ETHYL METHACRYLATE	13.426	69	5225	0.1254	PPBV #	89
73) TETRACHLOROETHYLENE	14.460	164	238577	6.0530	PPBV	87

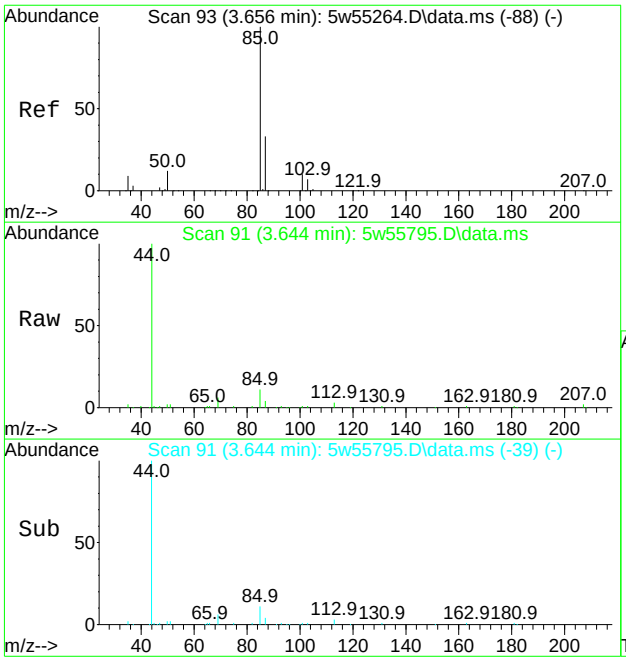
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55795.D
Acq On : 21 Dec 2024 2:30 am
Operator : thomash
Sample : je2491-1 Inst : GCMS5W
Misc : MS88104,V5W2136,100,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 23 07:52:56 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

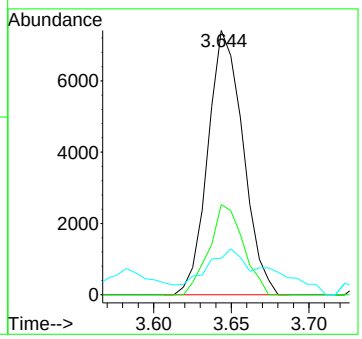


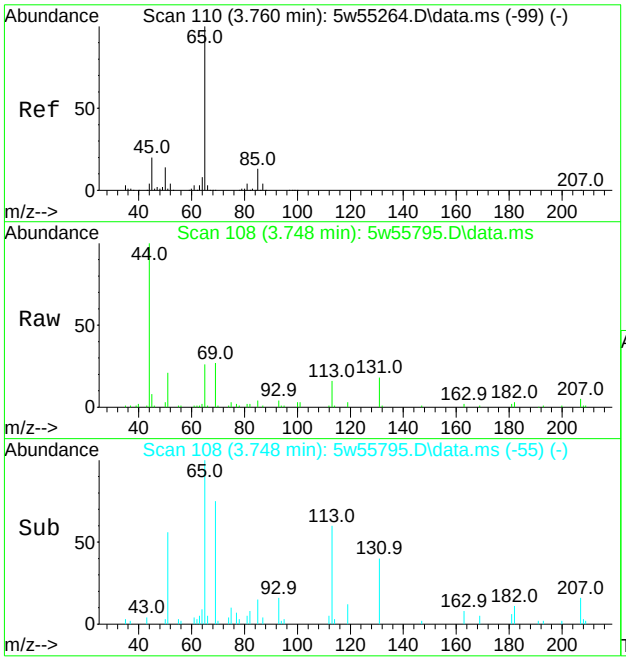


#6
DICHLORODIFLUOROMETHANE
Concen: 0.1468 PPBV
RT: 3.644 min Scan# 91
Delta R.T. -0.012 min
Lab File: 5w55795.D
Acq: 21 Dec 2024 2:30 am

Tgt Ion: 85 Resp: 11627

Ion	Ratio	Lower	Upper
85	100		
87	33.1	2.6	62.6
50	31.8	0.0	43.0

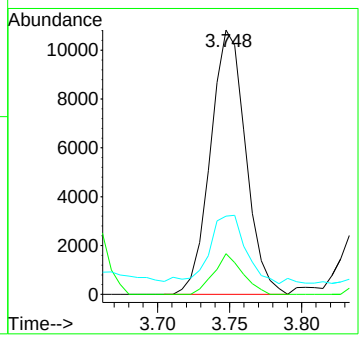


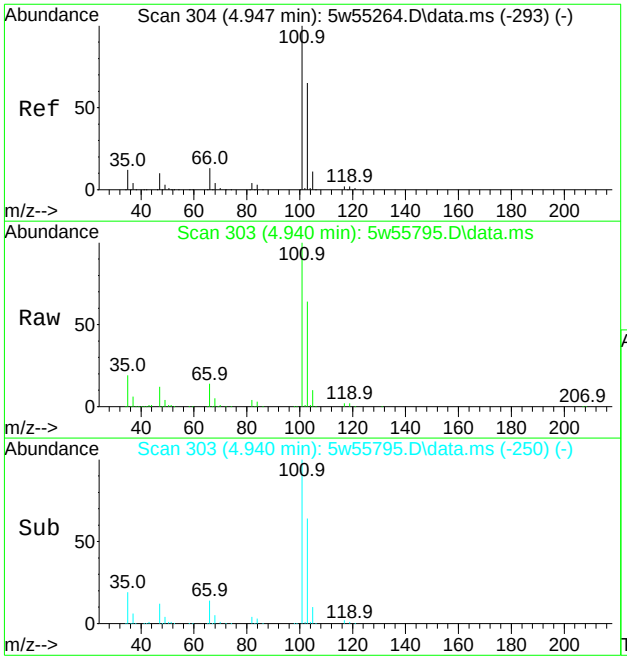


#8
1-CHLORO-1,1-DIFLUOROETHANE
Concen: 0.2264 PPBV
RT: 3.748 min Scan# 108
Delta R.T. -0.006 min
Lab File: 5w55795.D
Acq: 21 Dec 2024 2:30 am

Tgt Ion: 65 Resp: 18362

Ion	Ratio	Lower	Upper
65	100		
85	12.6	10.1	18.7
45	26.5	15.9	29.5

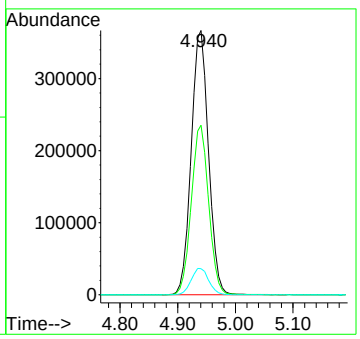


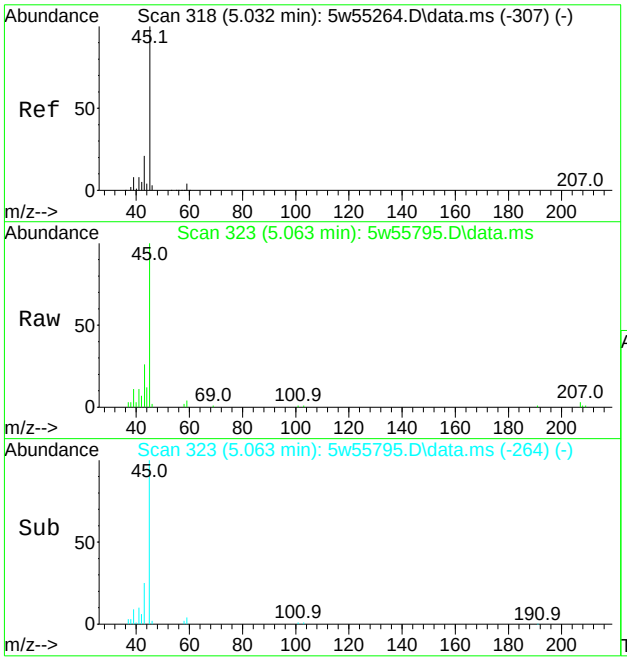


#21
TRICHLOROFLUOROMETHANE
Concen: 10.4272 PPBV
RT: 4.940 min Scan# 303
Delta R.T. -0.006 min
Lab File: 5w55795.D
Acq: 21 Dec 2024 2:30 am

Tgt Ion:101 Resp: 763310

Ion	Ratio	Lower	Upper
101	100		
103	64.4	34.7	94.7
105	10.2	0.0	40.5

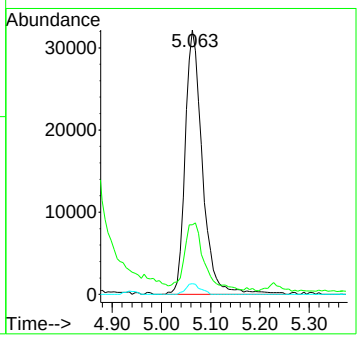


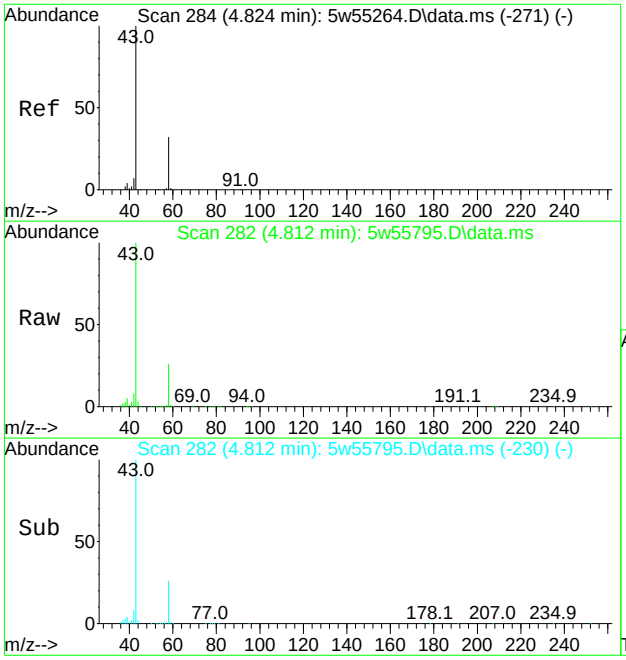


#22
ISOPROPYL ALCOHOL
Concen: 1.6897 PPBV
RT: 5.063 min Scan# 323
Delta R.T. 0.030 min
Lab File: 5w55795.D
Acq: 21 Dec 2024 2:30 am

Tgt Ion: 45 Resp: 78372

Ion	Ratio	Lower	Upper
45	100		
43	26.3	0.0	50.8
59	4.1	0.0	33.8

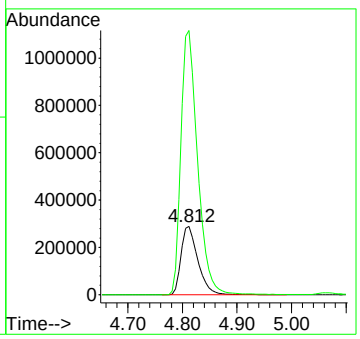


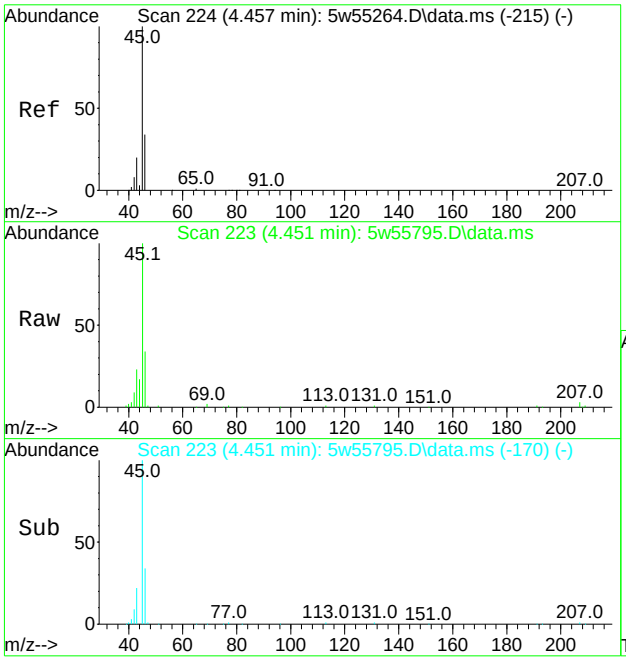


#23
ACETONE
Concen: 35.2294 PPBV
RT: 4.812 min Scan# 282
Delta R.T. -0.012 min
Lab File: 5w55795.D
Acq: 21 Dec 2024 2:30 am

Tgt Ion: 58 Resp: 615907

Ion	Ratio	Lower	Upper
58	100		
43	383.8	312.3	372.3#

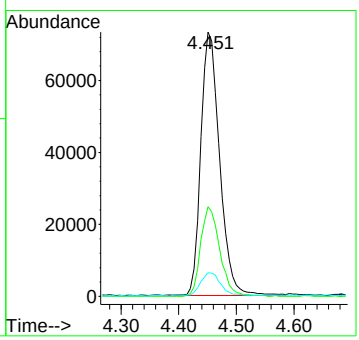


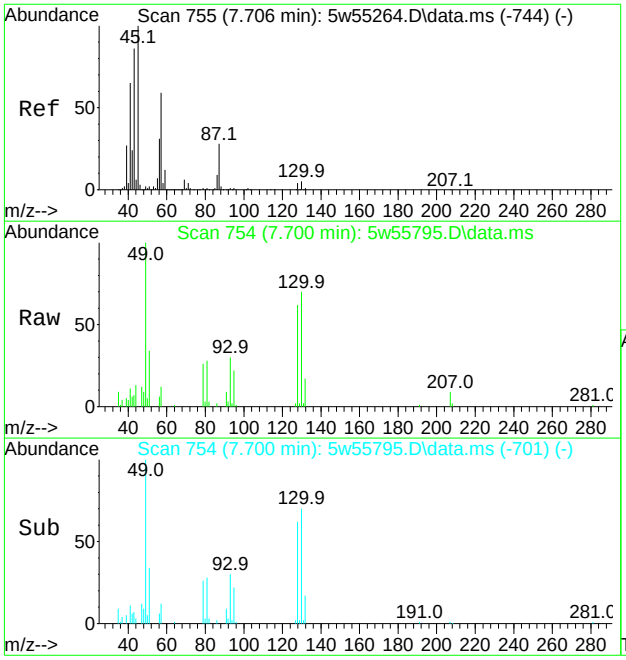


#28
ETHANOL
Concen: 9.7941 PPBV
RT: 4.451 min Scan# 223
Delta R.T. -0.006 min
Lab File: 5w55795.D
Acq: 21 Dec 2024 2:30 am

Tgt Ion: 45 Resp: 166488

Ion	Ratio	Lower	Upper
45	100		
46	34.5	4.5	64.5
42	12.1	0.0	38.6

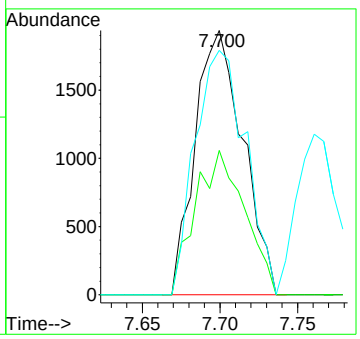


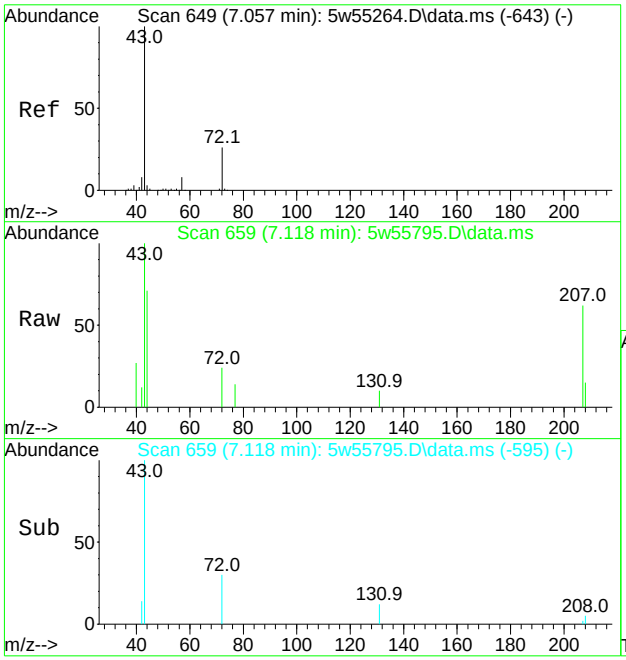


#38
HEXANE
Concen: 0.1219 PPBV
RT: 7.700 min Scan# 754
Delta R.T. -0.006 min
Lab File: 5w55795.D
Acq: 21 Dec 2024 2:30 am

Tgt Ion: 57 Resp: 4140

Ion	Ratio	Lower	Upper
57	100		
56	56.3	24.2	84.2
41	97.9	92.1	152.1

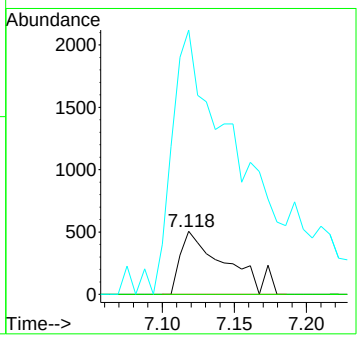


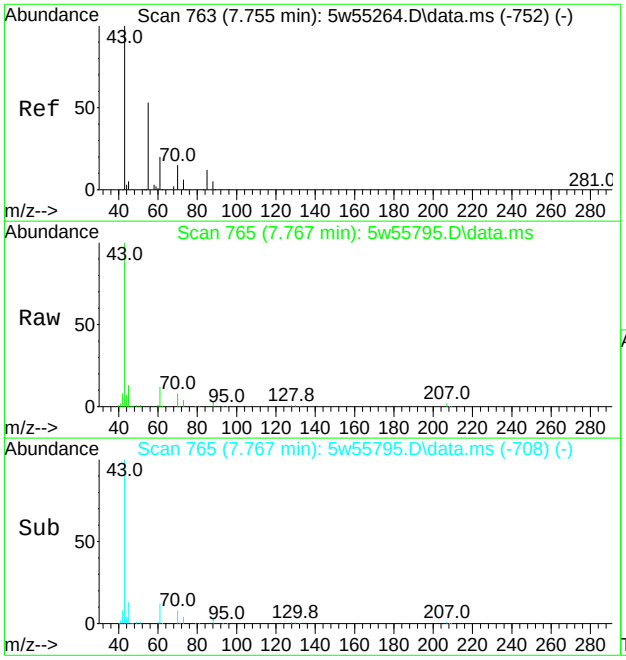


#41
METHYL ETHYL KETONE
Concen: 0.1170 PPBV
RT: 7.118 min Scan# 659
Delta R.T. 0.061 min
Lab File: 5w55795.D
Acq: 21 Dec 2024 2:30 am

Tgt Ion: 72 Resp: 1100

Ion	Ratio	Lower	Upper
72	100		
57	0.0	1.1	61.1#
43	419.2	390.6	450.6

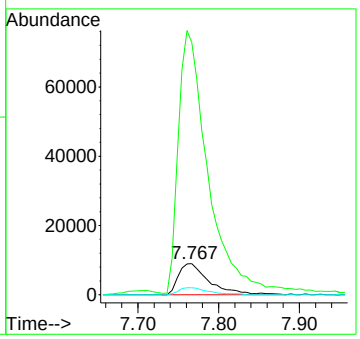


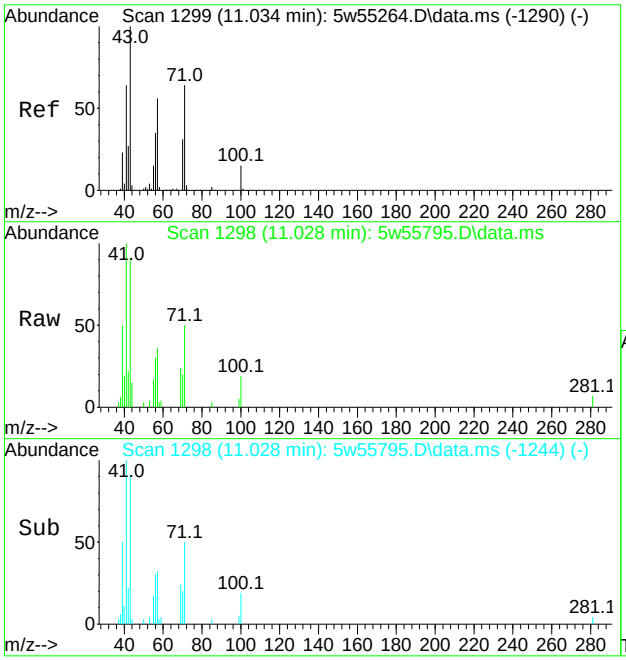


#44
ETHYL ACETATE
Concen: 3.4592 PPBV
RT: 7.767 min Scan# 765
Delta R.T. 0.018 min
Lab File: 5w55795.D
Acq: 21 Dec 2024 2:30 am

Tgt Ion: 61 Resp: 23993

Ion	Ratio	Lower	Upper
61	100		
43	835.3	0.0	30.0#
88	22.7	7.3	67.3

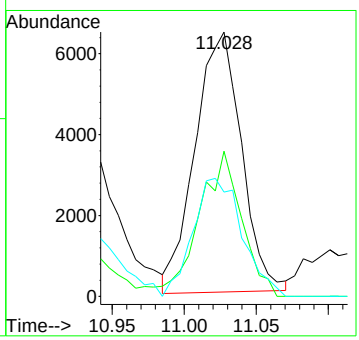


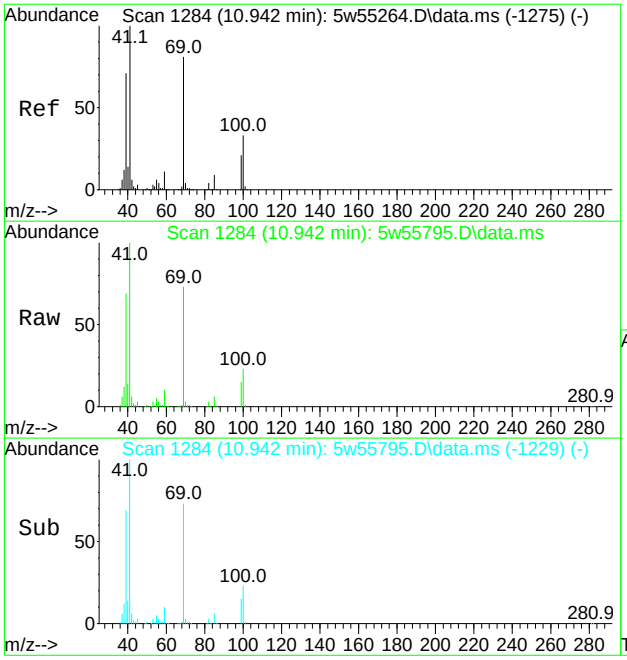


#62
HEPTANE
Concen: 0.3499 PPBV
RT: 11.028 min Scan# 1298
Delta R.T. -0.000 min
Lab File: 5w55795.D
Acq: 21 Dec 2024 2:30 am

Tgt Ion: 43 Resp: 14433

Ion	Ratio	Lower	Upper
43	100		
71	51.0	27.2	87.2
57	48.1	22.5	82.5

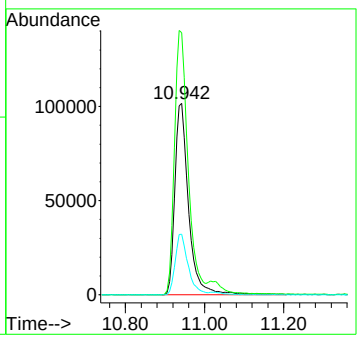


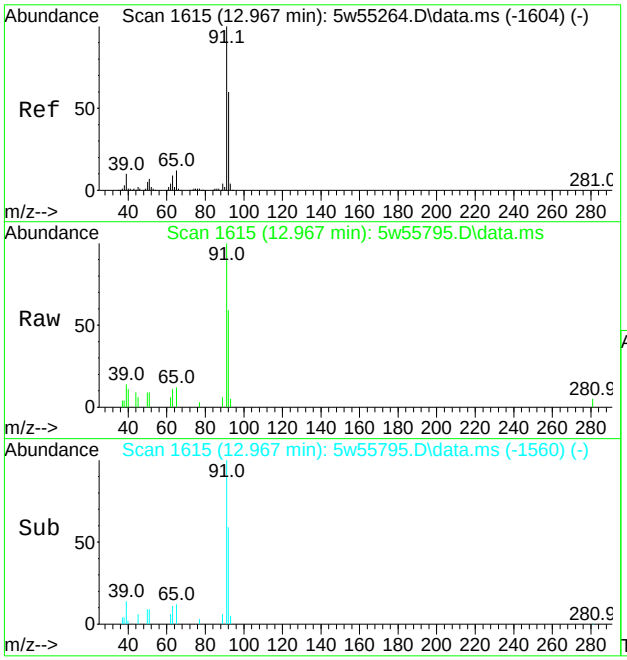


#63
METHYL METHACRYLATE
Concen: 9.5013 PPBV
RT: 10.942 min Scan# 1284
Delta R.T. 0.006 min
Lab File: 5w55795.D
Acq: 21 Dec 2024 2:30 am

Tgt Ion: 69 Resp: 245664

Ion	Ratio	Lower	Upper
69	100		
41	145.0	97.3	157.3
100	31.2	3.0	63.0

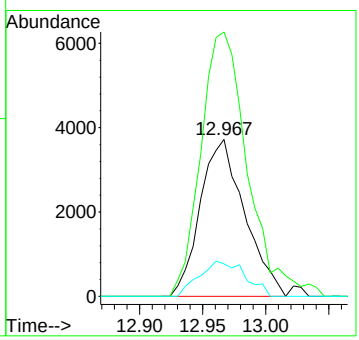


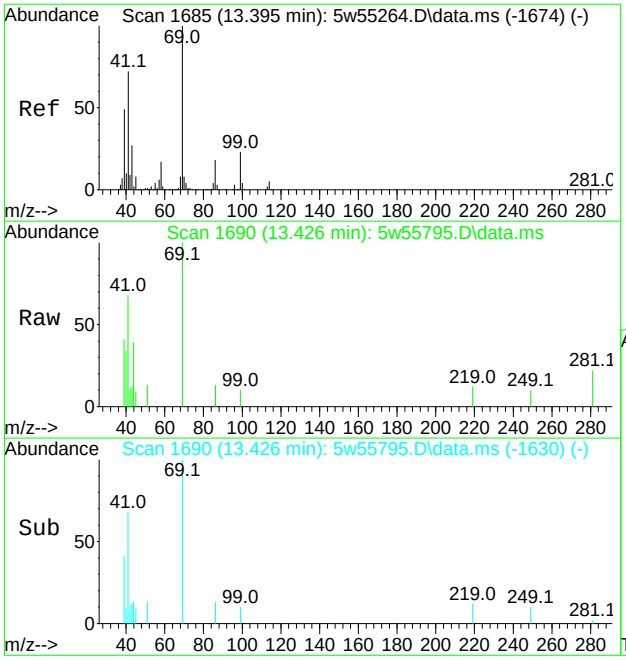


#66
TOLUENE
Concen: 0.1674 PPBV
RT: 12.967 min Scan# 1615
Delta R.T. 0.006 min
Lab File: 5w55795.D
Acq: 21 Dec 2024 2:30 am

Tgt Ion: 92 Resp: 9105

Ion	Ratio	Lower	Upper
92	100		
91	177.5	143.4	203.4
65	23.2	0.0	53.8

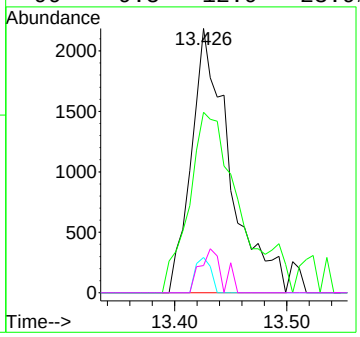


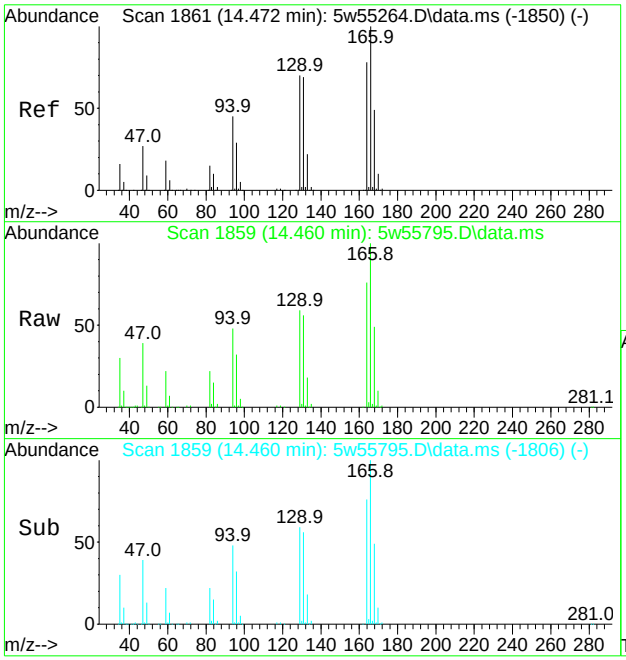


#72
ETHYL METHACRYLATE
Concen: 0.1254 PPBV
RT: 13.426 min Scan# 1690
Delta R.T. 0.037 min
Lab File: 5w55795.D
Acq: 21 Dec 2024 2:30 am

Tgt Ion: 69 Resp: 5225

Ion	Ratio	Lower	Upper
69	100		
41	89.5	67.8	125.8
86	5.3	11.3	20.9#
99	9.5	12.9	23.9#

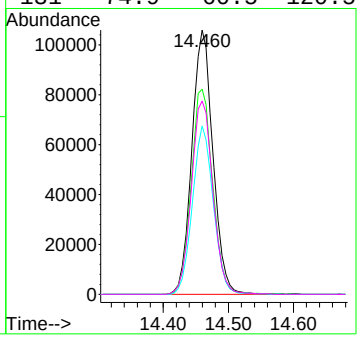




#73
TETRACHLOROETHYLENE
Concen: 6.0530 PPBV
RT: 14.460 min Scan# 1859
Delta R.T. -0.006 min
Lab File: 5w55795.D
Acq: 21 Dec 2024 2:30 am

Tgt Ion:164 Resp: 238577

Ion	Ratio	Lower	Upper
164	100		
129	79.2	64.4	124.4
168	63.1	31.2	91.2
131	74.9	60.5	120.5



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 12/24/24 18:00

Quantitation Report (QT Reviewed)

Data Path : G:\Dayton\MSAIR\Done\2024\December\19 Dec 2024\v5w2133\
Data File : 5w55722.D
Acq On : 18 Dec 2024 1:30 pm
Operator : thomash
Sample : je2491-2
Misc : MS88104,V5W2133,500,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 24 17:26:24 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

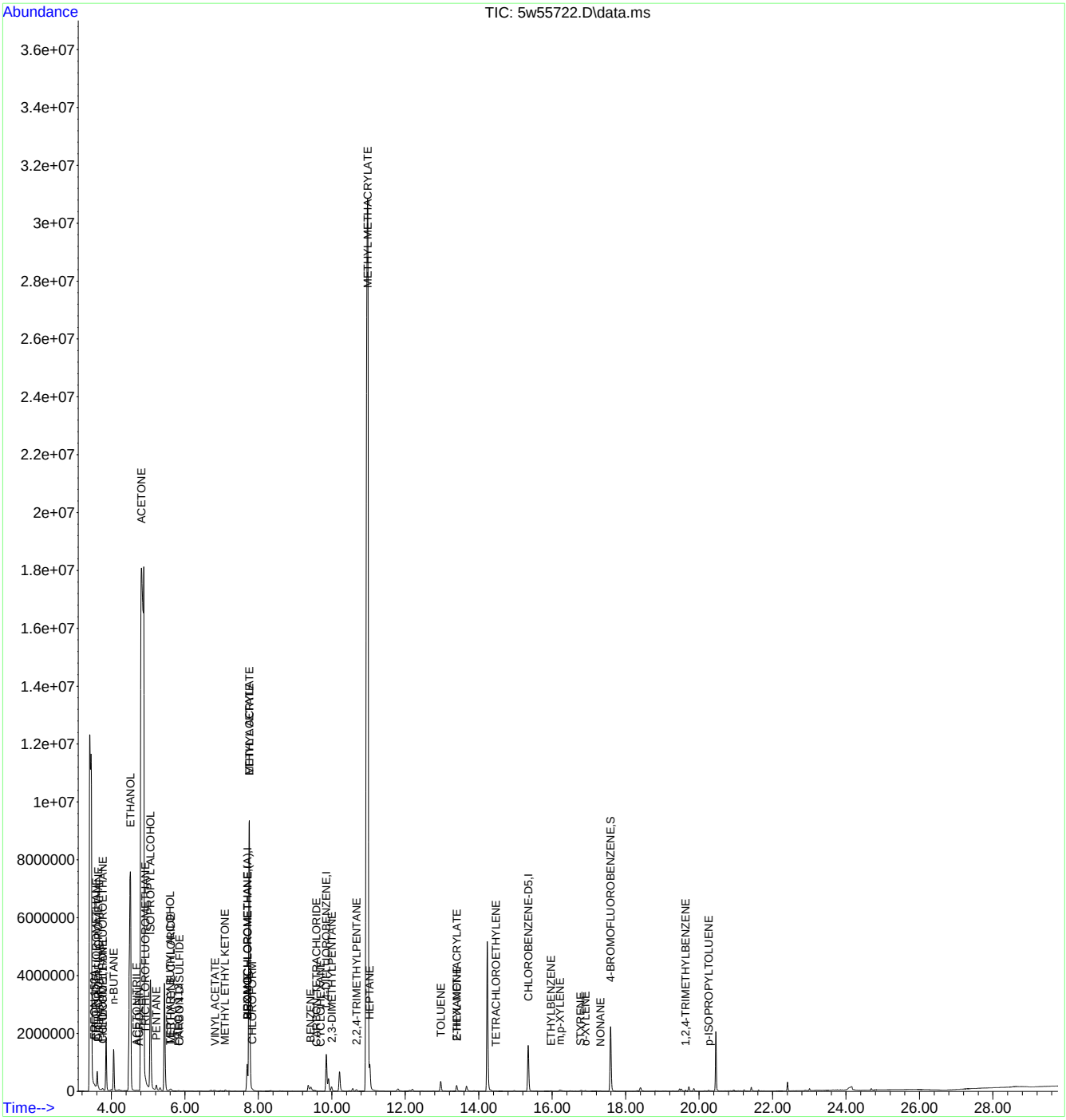
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	7.700	128	233544	10.00	PPBV		0.03
51) 1,4-DIFLUOROBENZENE	9.847	114	1103107	10.00	PPBV		0.01
70) CHLOROBENZENE-D5	15.347	82	630888	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.700	128	233544	10.00	PPBV		0.03
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	17.586	95	832273	11.79	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 117.90%				
Target Compounds							Qvalue
3) FREON 152A	3.540	65	20873	1.21	PPBV		86
4) CHLORODIFLUOROMETHANE	3.576	67	6699	0.75	PPBV		90
6) DICHLORODIFLUOROMETHANE	3.644	85	54343	0.64	PPBV		99
8) 1-CHLORO-1,1-DIFLUOROE...	3.754	65	20475	0.23	PPBV	#	18
10) CHLOROMETHANE	3.766	52	9160	0.83	PPBV		97
13) n-BUTANE	4.060	43	1214830	24.35	PPBV		94
17) ACETONITRILE	4.690	41	22667	0.79	PPBV	#	91
18) ACROLEIN	4.745	56	21740	1.73	PPBV		97
21) TRICHLOROFLUOROMETHANE	4.928	101	58757	0.74	PPBV		99
22) ISOPROPYL ALCOHOL	5.063	45	5404666	108.15	PPBV		93
23) ACETONE	4.818	58	23949205	1271.44	PPBV	#	47
24) PENTANE	5.222	42	74935	3.02	PPBV		100
27) CARBON DISULFIDE	5.846	76	12393	0.18	PPBV		75
28) ETHANOL	4.512	45	12661202	691.31	PPBV		97
31) METHYLENE CHLORIDE	5.626	84	19807	0.81	PPBV		93
33) FREON 113	5.815	151	3992	0.10	PPBV		96
35) TERTIARY BUTYL ALCOHOL	5.589	59	42686	0.91	PPBV	#	1
38) HEXANE	7.700	57	31629	0.86	PPBV	#	79
39) VINYL ACETATE	6.825	86	2444	0.58	PPBV	#	1
41) METHYL ETHYL KETONE	7.094	72	17203	1.70	PPBV	#	79
44) ETHYL ACETATE	7.755	61	1865597	249.64	PPBV	#	76
45) METHYL ACRYLATE	7.748	55	13329	0.30	PPBV	#	15
46) CHLOROFORM	7.840	83	27489	0.46	PPBV		96
49) CARBON TETRACHLORIDE	9.578	117	8431	0.13	PPBV		90
52) BENZENE	9.419	78	67367	0.84	PPBV		98
53) CYCLOHEXANE	9.688	84	3732	0.12	PPBV	#	41
54) 2,3-DIMETHYLPENTANE	9.994	71	26677	1.65	PPBV		95
60) 2,2,4-TRIMETHYLPENTANE	10.679	57	33439	0.28	PPBV	#	41
62) HEPTANE	11.034	43	835842m	19.71	PPBV		
63) METHYL METHACRYLATE	10.966	69	23744079	893.28	PPBV		88
66) TOLUENE	12.967	92	171422	3.07	PPBV		99
71) 2-HEXANONE	13.401	58	6660	0.22	PPBV	#	78
72) ETHYL METHACRYLATE	13.395	69	125679	2.88	PPBV		87
73) TETRACHLOROETHYLENE	14.466	164	1898	0.05	PPBV		80
79) ETHYLBENZENE	15.965	91	20227	0.17	PPBV		92
80) m,p-XYLENE	16.215	106	19843	0.45	PPBV		92
81) o-XYLENE	16.907	106	7810	0.18	PPBV		83
82) STYRENE	16.766	104	11394	0.19	PPBV		94
83) NONANE	17.304	43	9905	0.17	PPBV	#	79
96) 1,2,4-TRIMETHYLBENZENE	19.629	105	13239	0.12	PPBV	#	38
102) p-ISOPROPYLTOLUENE	20.265	134	3765	0.12	PPBV		88

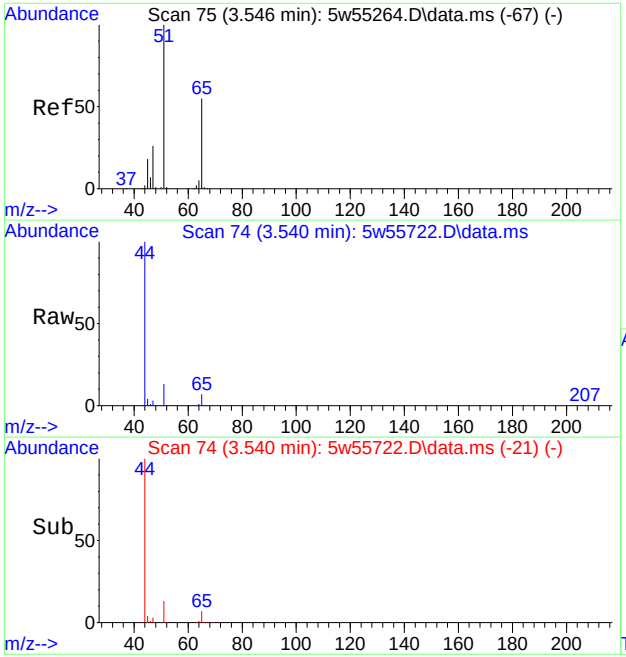
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : G:\Dayton\MSAIR\Done\2024\December\19 Dec 2024\v5w2133\
Data File : 5w55722.D
Acq On : 18 Dec 2024 1:30 pm
Operator : thomash
Sample : je2491-2
Misc : MS88104,V5W2133,500,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 24 17:26:24 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

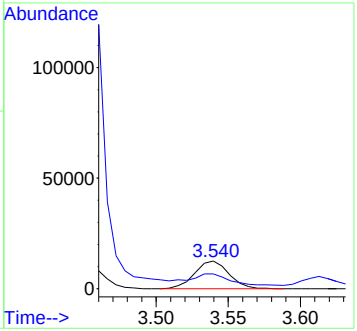


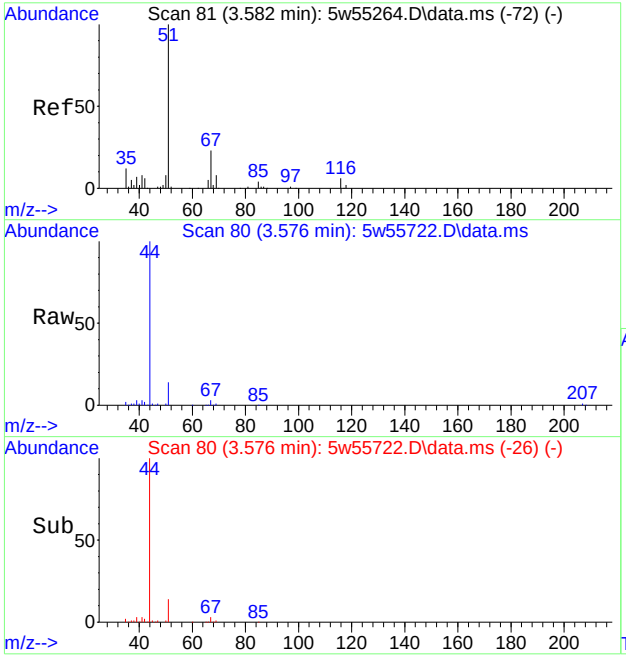


#3
FREON 152A
Concen: 1.21 PPBV
RT: 3.540 min Scan# 74
Delta R.T. -0.006 min
Lab File: 5w55722.D
Acq: 18 Dec 2024 1:30 pm

Tgt Ion: 65 Resp: 20873

Ion	Ratio	Lower	Upper
65	100		
45	39.4	1.8	61.8

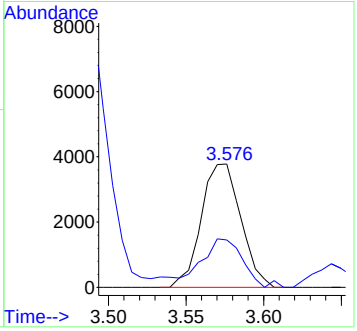


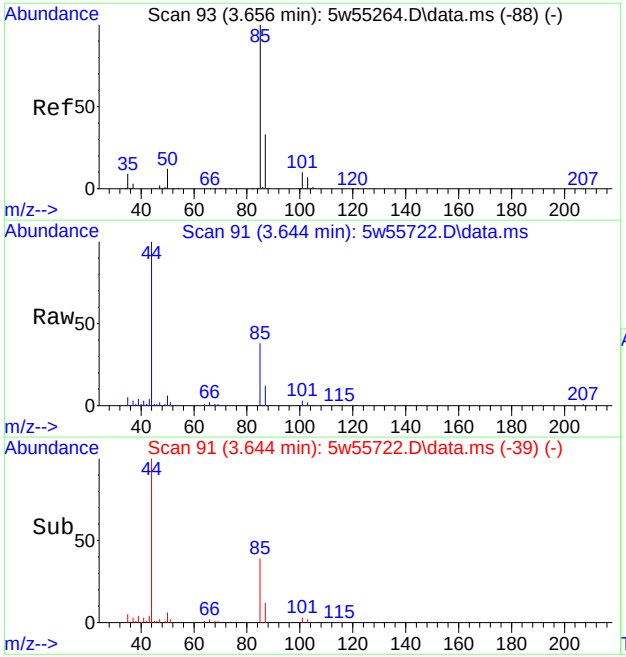


#4
CHLORODIFLUOROMETHANE
Concen: 0.75 PPBV
RT: 3.576 min Scan# 80
Delta R.T. -0.000 min
Lab File: 5w55722.D
Acq: 18 Dec 2024 1:30 pm

Tgt Ion: 67 Resp: 6699

Ion	Ratio	Lower	Upper
67	100		
69	38.4	2.9	62.9

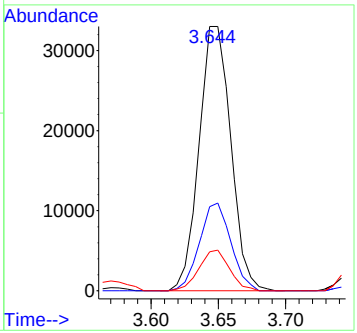


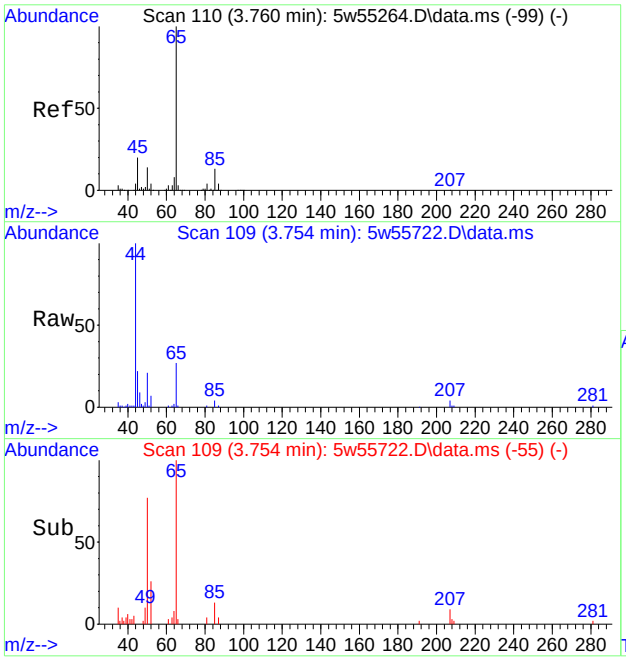


#6
DICHLORODIFLUOROMETHANE
Concen: 0.64 PPBV
RT: 3.644 min Scan# 91
Delta R.T. -0.012 min
Lab File: 5w55722.D
Acq: 18 Dec 2024 1:30 pm

Tgt Ion: 85 Resp: 54343

Ion	Ratio	Lower	Upper
85	100		
87	32.8	2.6	62.6
50	14.8	0.0	43.0

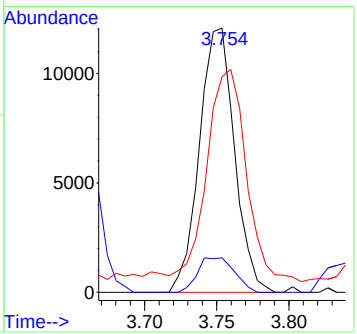


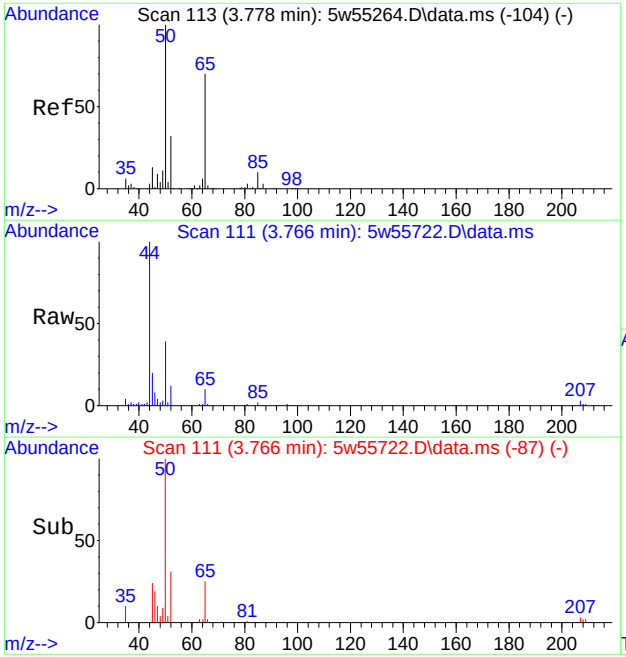


#8
1-CHLORO-1,1-DIFLUOROETHANE
Concen: 0.23 PPBV
RT: 3.754 min Scan# 109
Delta R.T. -0.000 min
Lab File: 5w55722.D
Acq: 18 Dec 2024 1:30 pm

Tgt Ion: 65 Resp: 20475

Ion	Ratio	Lower	Upper
65	100		
85	13.8	10.1	18.7
45	87.0	15.9	29.5#

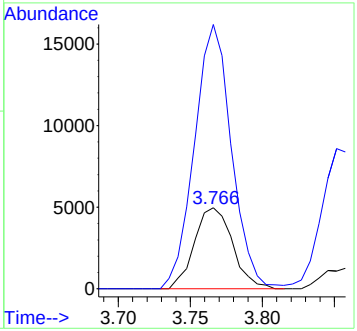


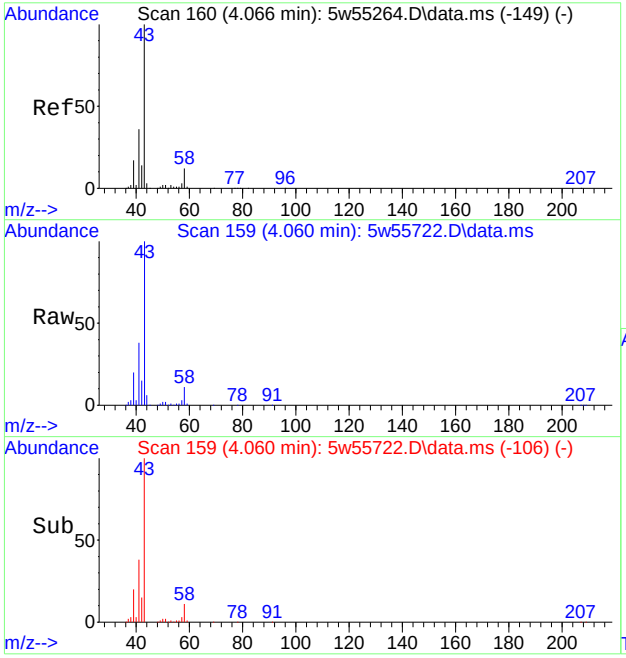


#10
CHLOROMETHANE
Concen: 0.83 PPBV
RT: 3.766 min Scan# 111
Delta R.T. -0.006 min
Lab File: 5w55722.D
Acq: 18 Dec 2024 1:30 pm

Tgt Ion: 52 Resp: 9160

Ion	Ratio	Lower	Upper
52	100		
50	323.9	287.9	347.9

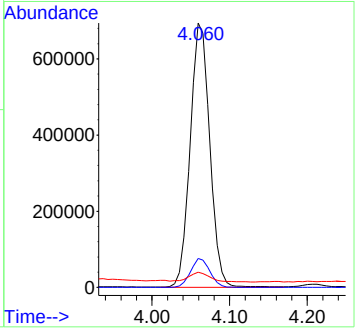


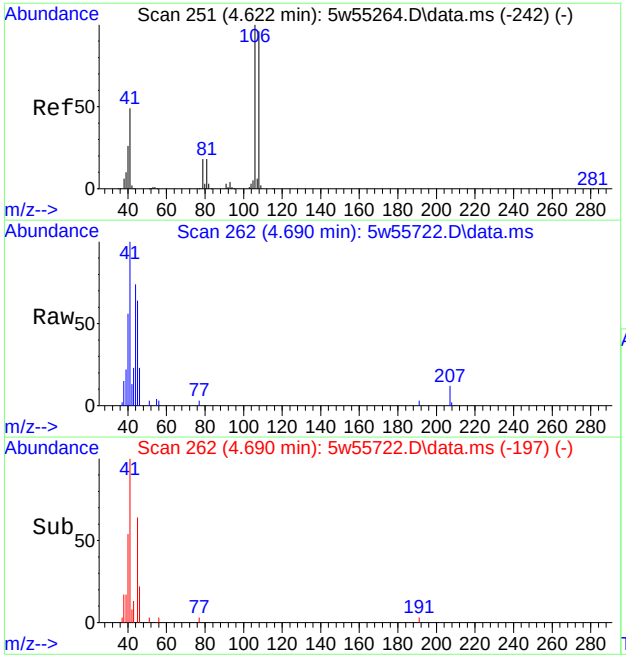


#13
n-BUTANE
Concen: 24.35 PPBV
RT: 4.060 min Scan# 159
Delta R.T. -0.006 min
Lab File: 5w55722.D
Acq: 18 Dec 2024 1:30 pm

Tgt Ion: 43 Resp: 1214830

Ion	Ratio	Lower	Upper
43	100		
58	10.8	0.0	41.6
44	9.9	0.0	34.7

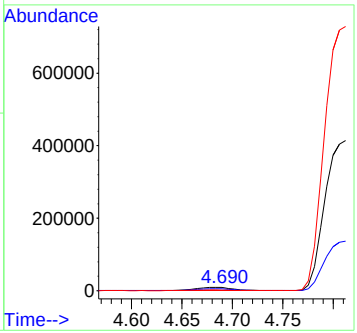


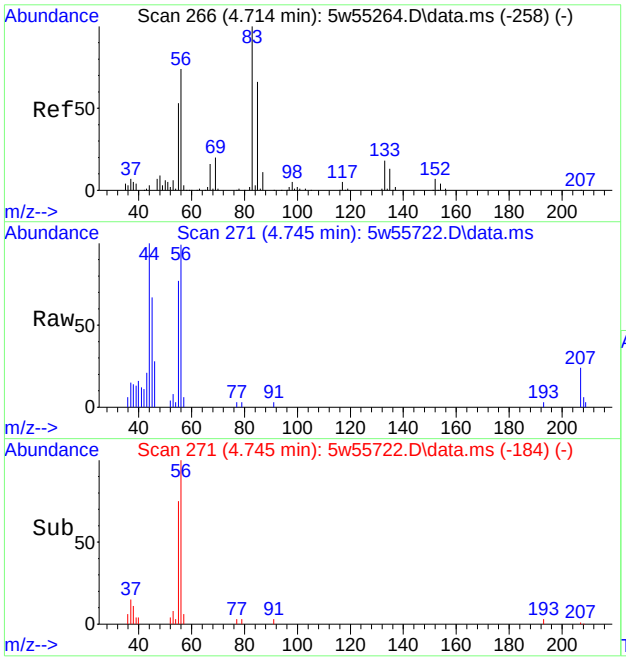


#17
ACETONITRILE
Concen: 0.79 PPBV
RT: 4.690 min Scan# 262
Delta R.T. 0.067 min
Lab File: 5w55722.D
Acq: 18 Dec 2024 1:30 pm

Tgt Ion: 41 Resp: 22667

Ion	Ratio	Lower	Upper
41	100		
40	57.9	38.4	71.4
39	30.7	13.7	25.5#

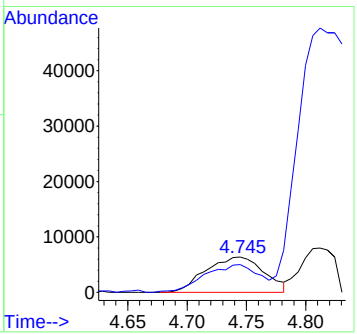


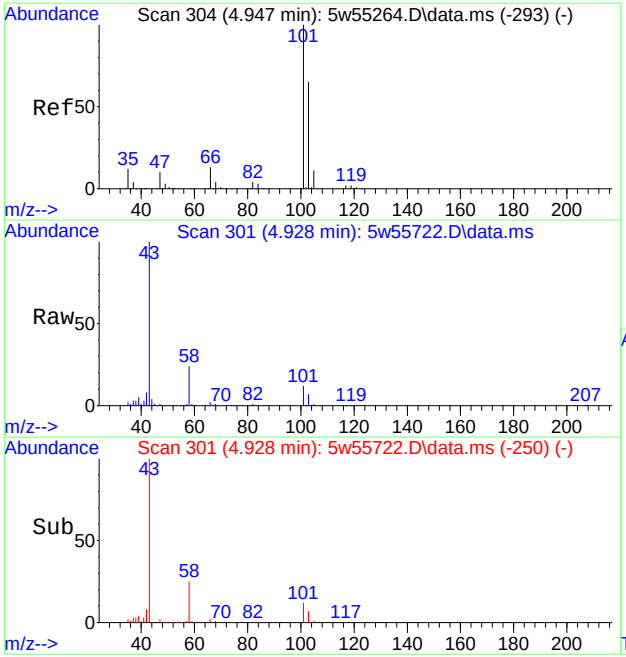


#18
ACROLEIN
Concen: 1.73 PPBV
RT: 4.745 min Scan# 271
Delta R.T. 0.030 min
Lab File: 5w55722.D
Acq: 18 Dec 2024 1:30 pm

Tgt Ion: 56 Resp: 21740

Ion	Ratio	Lower	Upper
56	100		
55	73.3	49.8	92.6

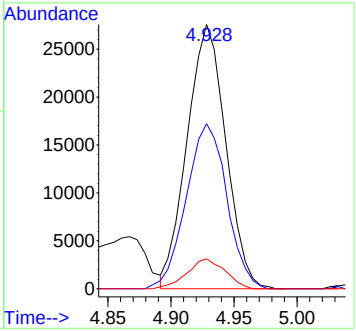


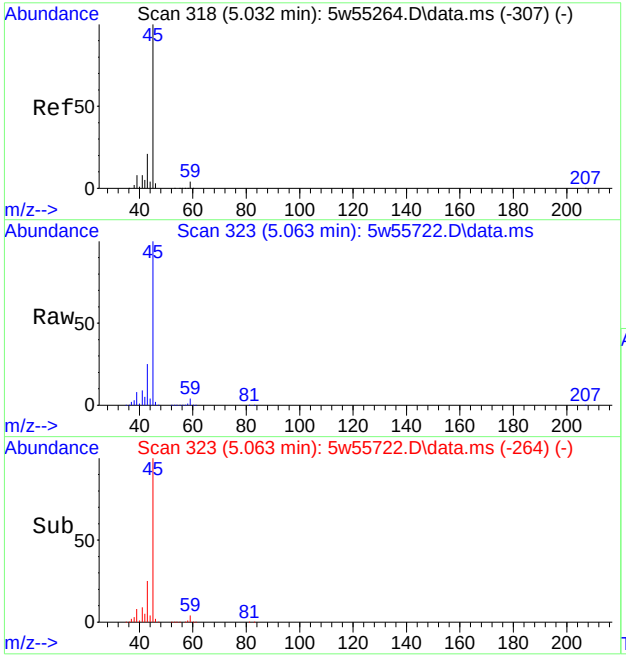


#21
TRICHLOROFLUOROMETHANE
Concen: 0.74 PPBV
RT: 4.928 min Scan# 301
Delta R.T. -0.018 min
Lab File: 5w55722.D
Acq: 18 Dec 2024 1:30 pm

Tgt Ion:101 Resp: 58757

Ion	Ratio	Lower	Upper
101	100		
103	65.5	34.7	94.7
105	11.2	0.0	40.5

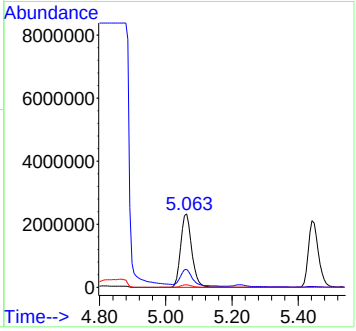


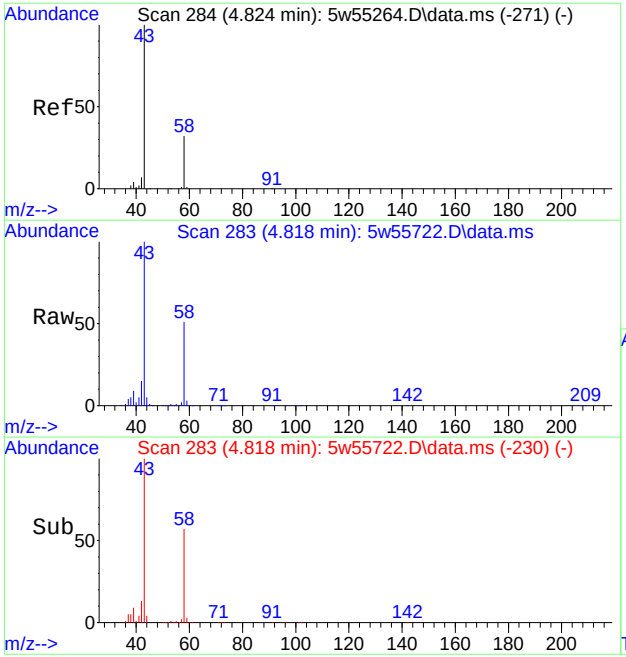


#22
ISOPROPYL ALCOHOL
Concen: 108.15 PPBV
RT: 5.063 min Scan# 323
Delta R.T. 0.030 min
Lab File: 5w55722.D
Acq: 18 Dec 2024 1:30 pm

Tgt Ion: 45 Resp: 5404666

Ion	Ratio	Lower	Upper
45	100		
43	24.6	0.0	50.8
59	3.6	0.0	33.8

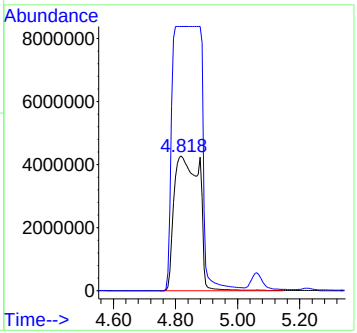


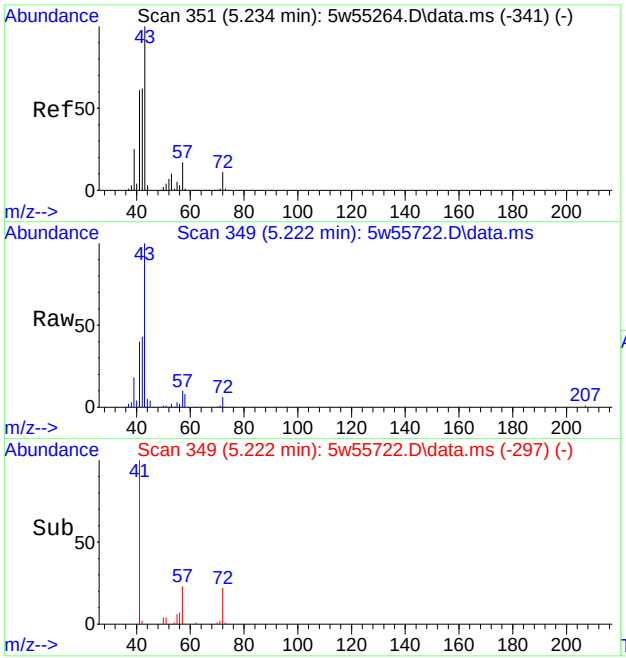


#23
ACETONE
Concen: 1271.44 PPBV
RT: 4.818 min Scan# 283
Delta R.T. -0.006 min
Lab File: 5w55722.D
Acq: 18 Dec 2024 1:30 pm

Tgt Ion: 58 Resp:23949205

Ion	Ratio	Lower	Upper
58	100		
43	228.9	312.3	372.3#

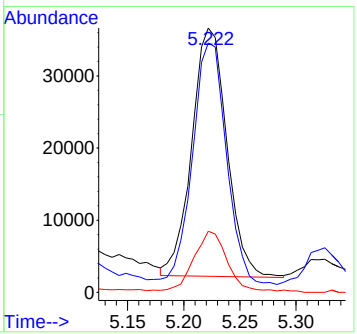


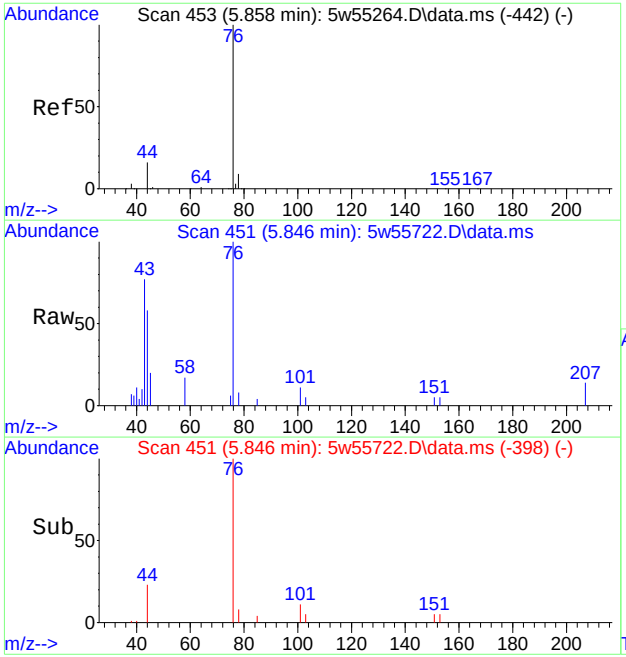


#24
PENTANE
Concen: 3.02 PPBV
RT: 5.222 min Scan# 349
Delta R.T. -0.012 min
Lab File: 5w55722.D
Acq: 18 Dec 2024 1:30 pm

Tgt Ion: 42 Resp: 74935

Ion	Ratio	Lower	Upper
42	100		
41	94.3	64.4	124.4
57	24.1	0.0	55.0

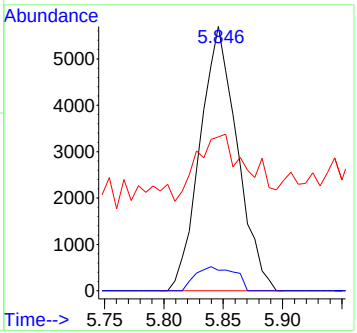


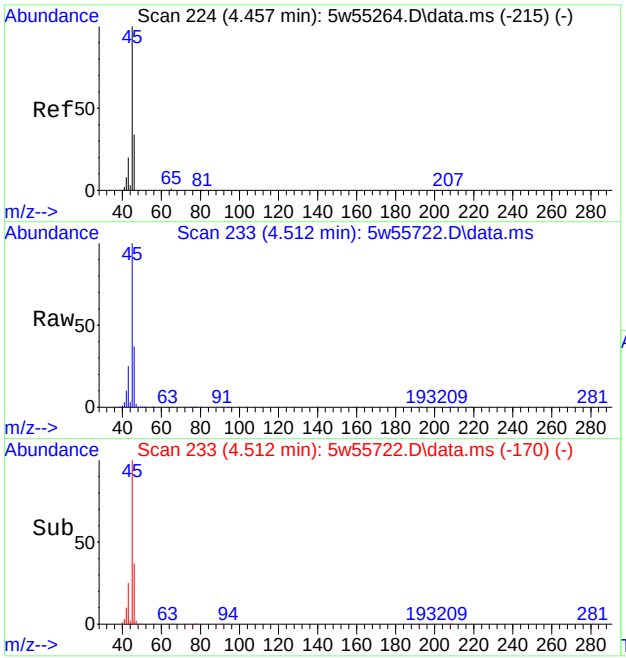


#27
CARBON DISULFIDE
Concen: 0.18 PPBV
RT: 5.846 min Scan# 451
Delta R.T. -0.006 min
Lab File: 5w55722.D
Acq: 18 Dec 2024 1:30 pm

Tgt Ion: 76 Resp: 12393

Ion	Ratio	Lower	Upper
76	100		
78	9.6	0.0	41.5
44	33.6	0.0	47.2

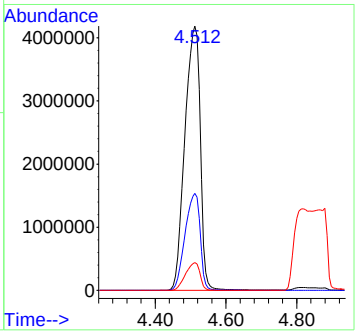


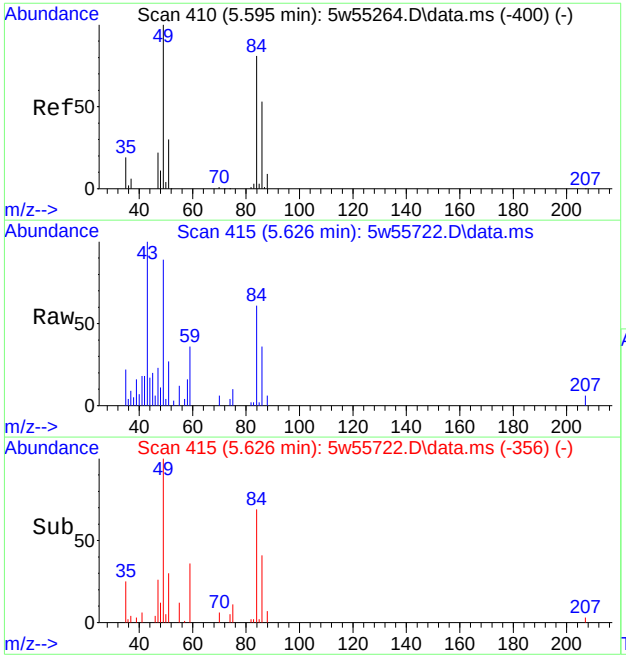


#28
ETHANOL
Concen: 691.31 PPBV
RT: 4.512 min Scan# 233
Delta R.T. 0.055 min
Lab File: 5w55722.D
Acq: 18 Dec 2024 1:30 pm

Tgt Ion: 45 Resp:12661202

Ion	Ratio	Lower	Upper
45	100		
46	36.1	4.5	64.5
42	10.0	0.0	38.6

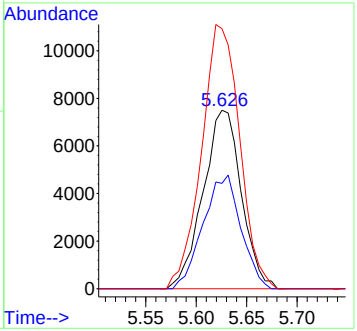


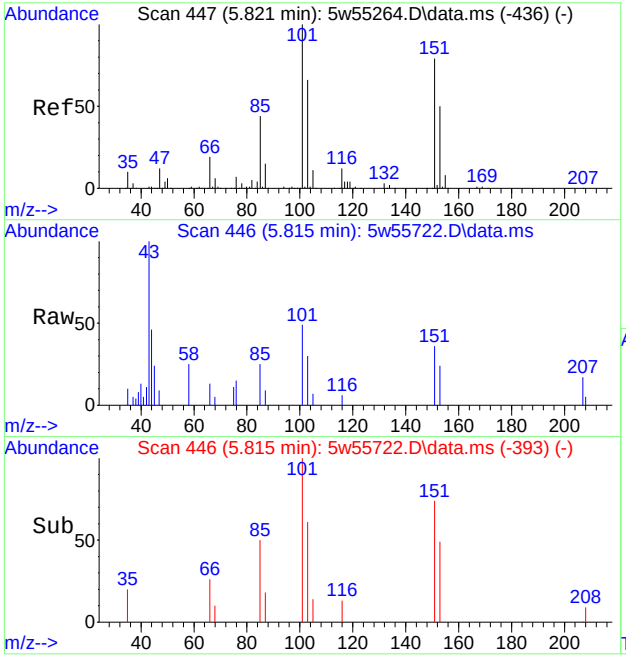


#31
METHYLENE CHLORIDE
Concen: 0.81 PPBV
RT: 5.626 min Scan# 415
Delta R.T. 0.030 min
Lab File: 5w55722.D
Acq: 18 Dec 2024 1:30 pm

Tgt Ion: 84 Resp: 19807

Ion	Ratio	Lower	Upper
84	100		
86	62.8	34.0	94.0
49	147.4	105.8	165.8

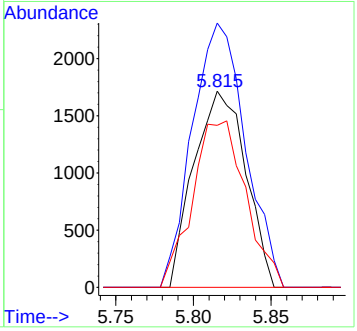


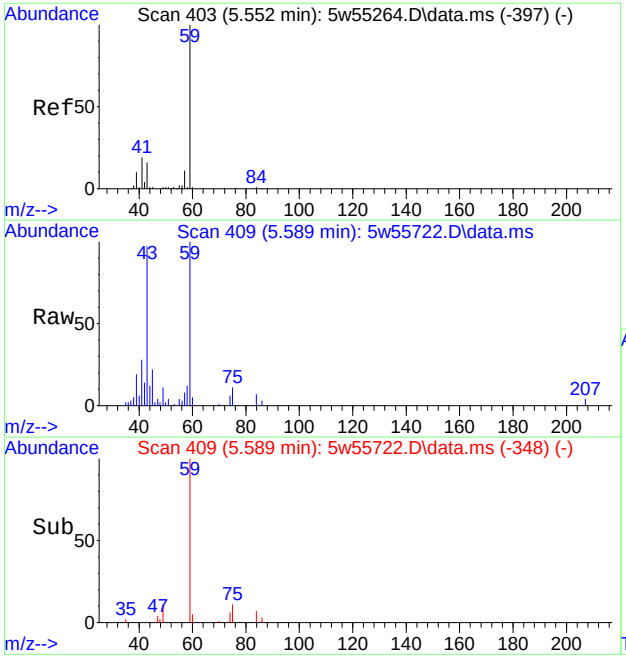


#33
FREON 113
Concen: 0.10 PPBV
RT: 5.815 min Scan# 446
Delta R.T. -0.006 min
Lab File: 5w55722.D
Acq: 18 Dec 2024 1:30 pm

Tgt Ion:151 Resp: 3992

Ion	Ratio	Lower	Upper
151	100		
101	137.9	112.2	172.2
103	86.8	62.0	122.0

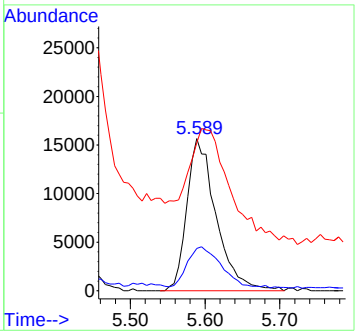


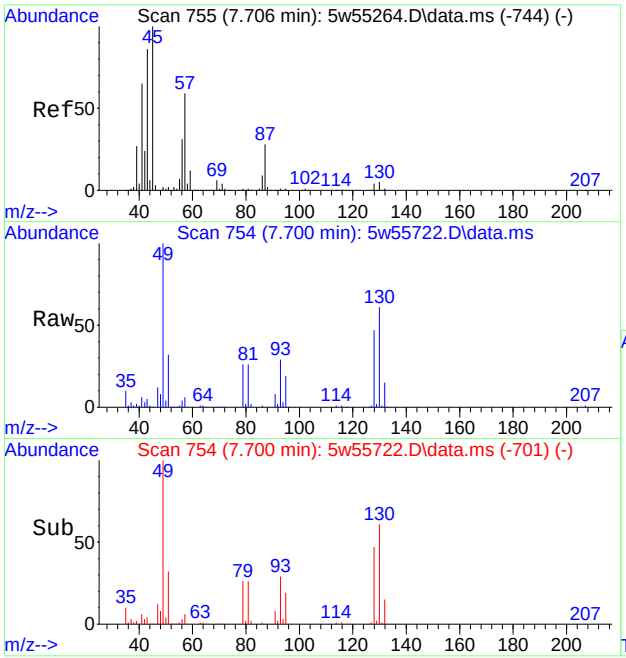


#35
TERTIARY BUTYL ALCOHOL
Concen: 0.91 PPBV
RT: 5.589 min Scan# 409
Delta R.T. 0.043 min
Lab File: 5w55722.D
Acq: 18 Dec 2024 1:30 pm

Tgt Ion: 59 Resp: 42686

Ion	Ratio	Lower	Upper
59	100		
41	43.5	0.0	53.1
43	147.8	0.0	47.1#

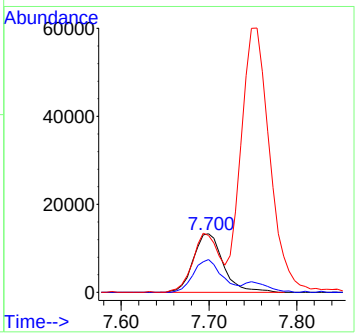


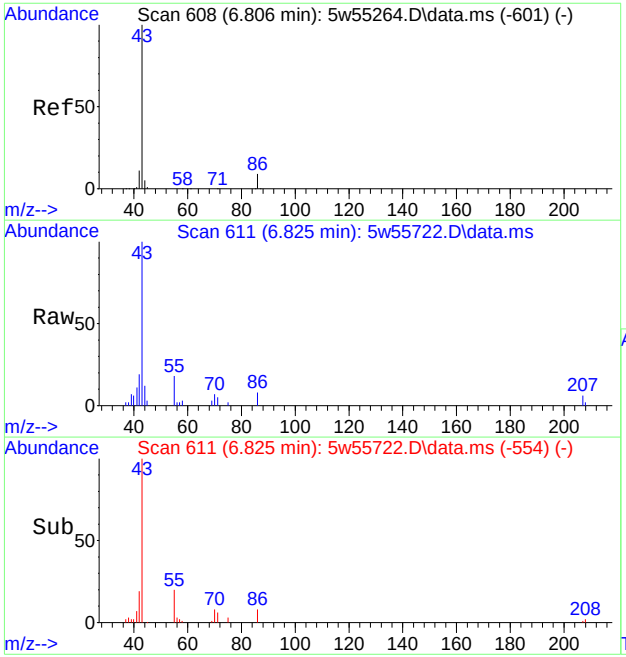


#38
HEXANE
Concen: 0.86 PPBV
RT: 7.700 min Scan# 754
Delta R.T. -0.006 min
Lab File: 5w55722.D
Acq: 18 Dec 2024 1:30 pm

Tgt Ion: 57 Resp: 31629

Ion	Ratio	Lower	Upper
57	100		
56	54.2	24.2	84.2
41	88.9	92.1	152.1#

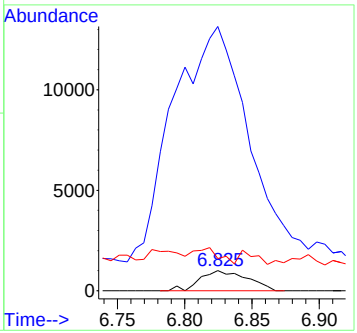


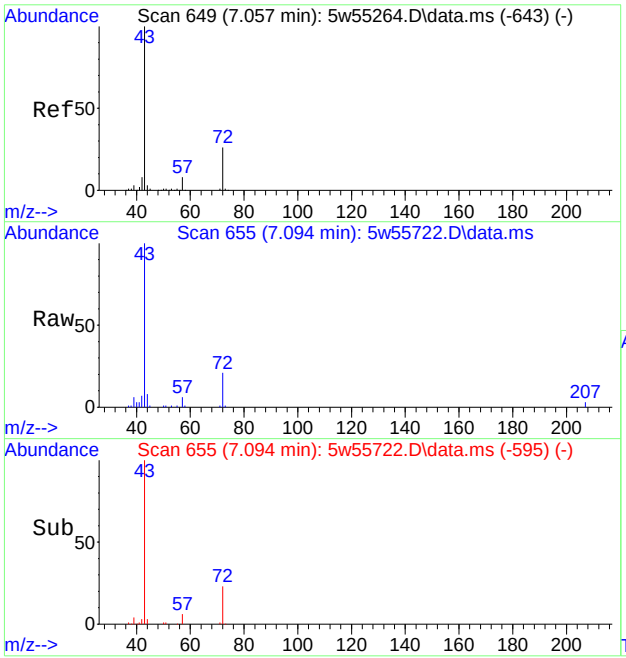


#39
VINYL ACETATE
Concen: 0.58 PPBV
RT: 6.825 min Scan# 611
Delta R.T. 0.018 min
Lab File: 5w55722.D
Acq: 18 Dec 2024 1:30 pm

Tgt Ion: 86 Resp: 2444

Ion	Ratio	Lower	Upper
86	100		
43	1936.6	1335.5	1395.5#
44	41.6	40.9	100.9

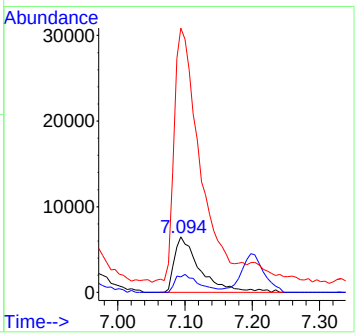


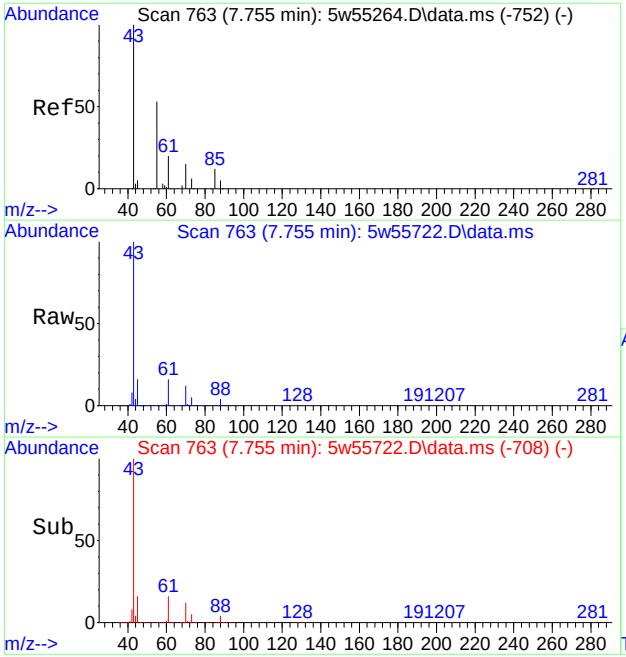


#41
METHYL ETHYL KETONE
Concen: 1.70 PPBV
RT: 7.094 min Scan# 655
Delta R.T. 0.037 min
Lab File: 5w55722.D
Acq: 18 Dec 2024 1:30 pm

Tgt Ion: 72 Resp: 17203

Ion	Ratio	Lower	Upper
72	100		
57	28.0	1.1	61.1
43	476.0	390.6	450.6#

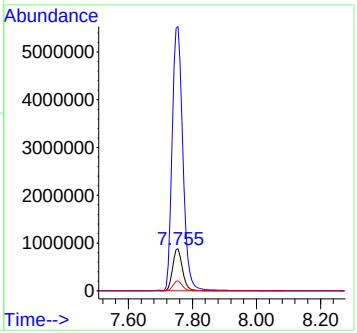


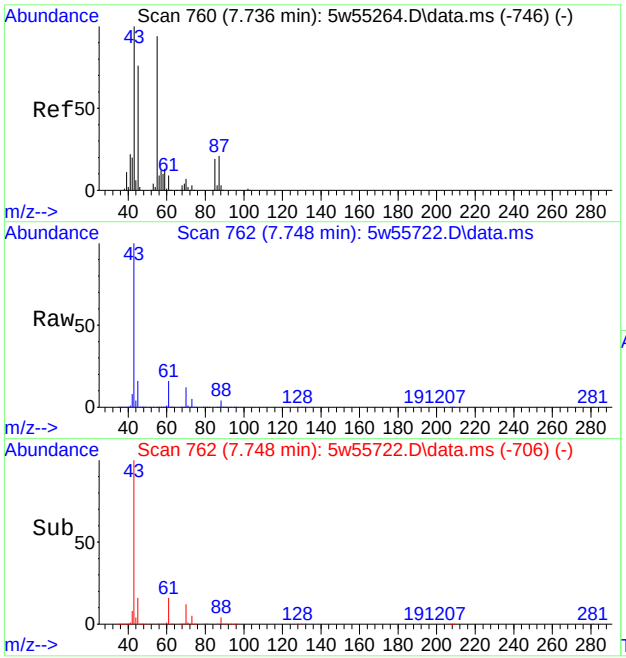


#44
ETHYL ACETATE
Concen: 249.64 PPBV
RT: 7.755 min Scan# 763
Delta R.T. 0.006 min
Lab File: 5w55722.D
Acq: 18 Dec 2024 1:30 pm

Tgt Ion: 61 Resp: 1865597

Ion	Ratio	Lower	Upper
61	100		
43	689.9	0.0	30.0#
88	22.8	7.3	67.3

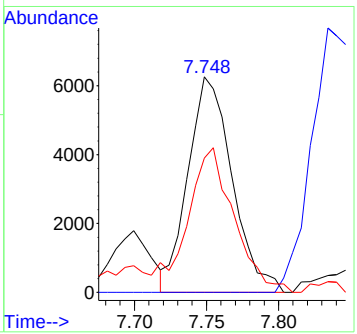


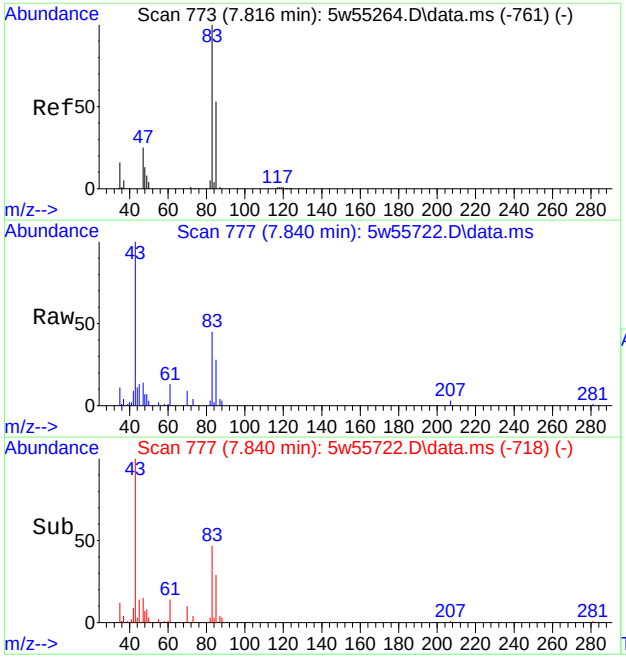


#45
METHYL ACRYLATE
Concen: 0.30 PPBV
RT: 7.748 min Scan# 762
Delta R.T. 0.012 min
Lab File: 5w55722.D
Acq: 18 Dec 2024 1:30 pm

Tgt Ion: 55 Resp: 13329

Ion	Ratio	Lower	Upper
55	100		
85	0.0	11.4	21.2#
58	70.4	9.7	17.9#

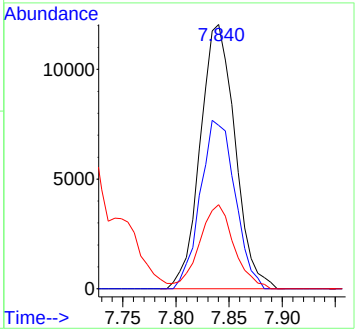


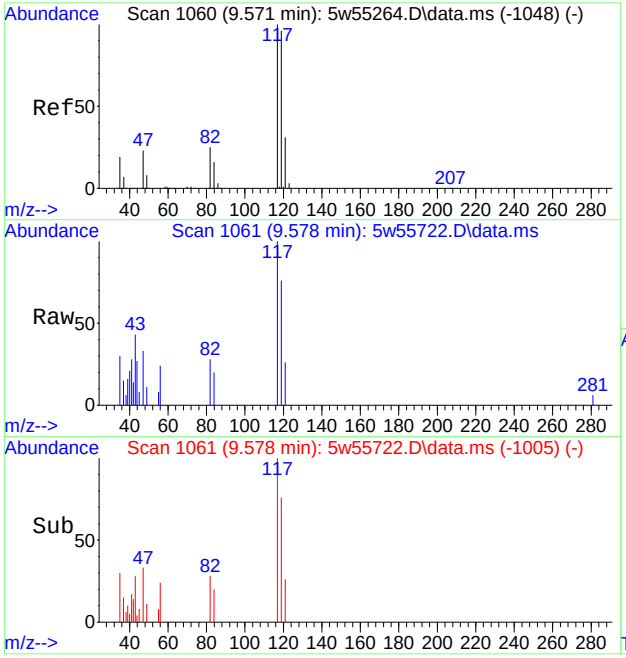


#46
CHLOROFORM
Concen: 0.46 PPBV
RT: 7.840 min Scan# 777
Delta R.T. 0.030 min
Lab File: 5w55722.D
Acq: 18 Dec 2024 1:30 pm

Tgt Ion: 83 Resp: 27489

Ion	Ratio	Lower	Upper
83	100		
85	63.6	35.5	95.5
47	31.4	0.0	56.8

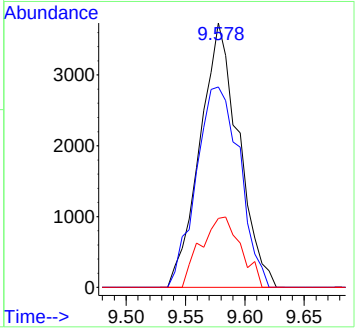


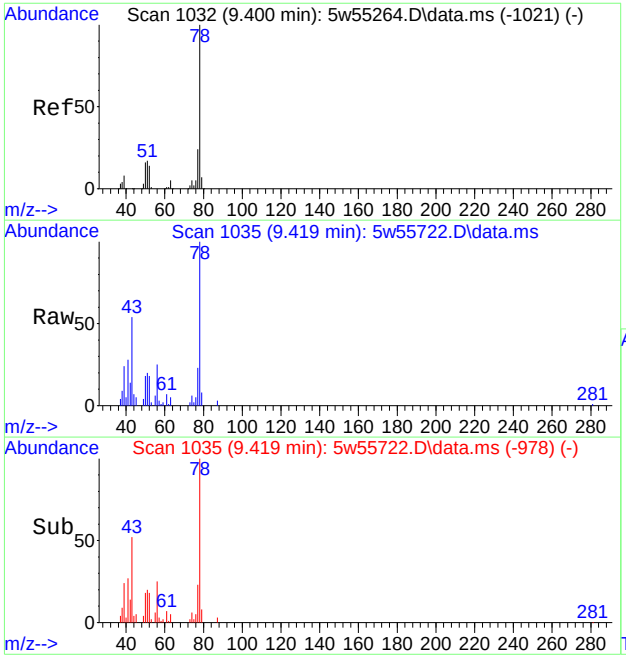


#49
CARBON TETRACHLORIDE
Concen: 0.13 PPBV
RT: 9.578 min Scan# 1061
Delta R.T. 0.012 min
Lab File: 5w55722.D
Acq: 18 Dec 2024 1:30 pm

Tgt Ion:117 Resp: 8431

Ion	Ratio	Lower	Upper
117	100		
119	85.4	65.9	125.9
121	27.5	0.7	60.7

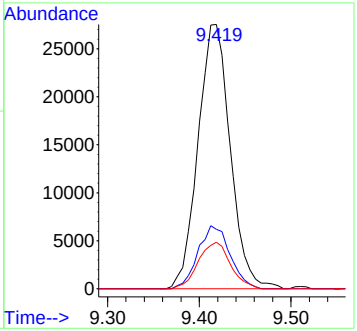


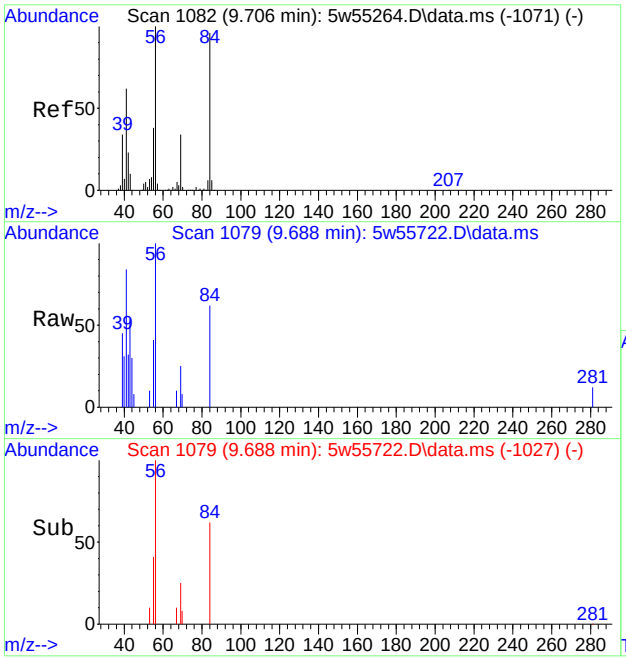


#52
BENZENE
Concen: 0.84 PPBV
RT: 9.419 min Scan# 1035
Delta R.T. 0.018 min
Lab File: 5w55722.D
Acq: 18 Dec 2024 1:30 pm

Tgt Ion: 78 Resp: 67367

Ion	Ratio	Lower	Upper
78	100		
77	23.8	0.0	54.0
52	17.6	0.0	45.6

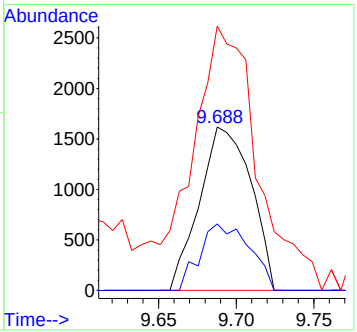


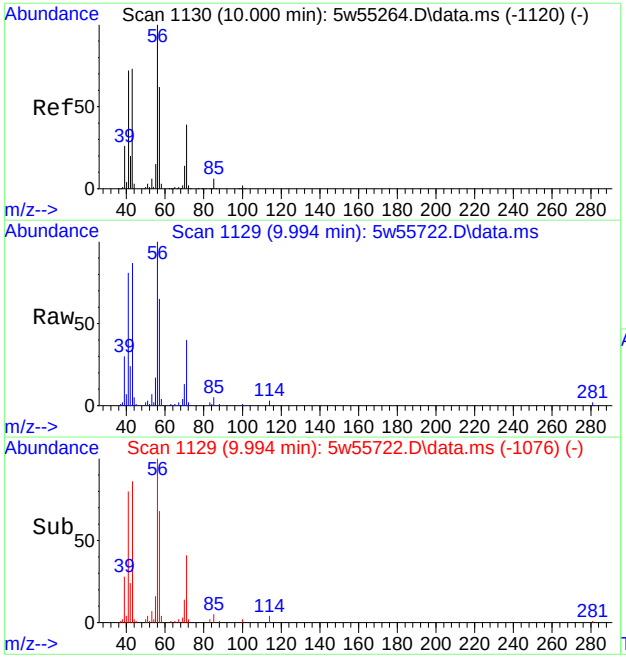


#53
CYCLOHEXANE
Concen: 0.12 PPBV
RT: 9.688 min Scan# 1079
Delta R.T. -0.012 min
Lab File: 5w55722.D
Acq: 18 Dec 2024 1:30 pm

Tgt Ion: 84 Resp: 3732

Ion	Ratio	Lower	Upper
84	100		
69	39.2	7.0	67.0
56	200.2	86.5	146.5#

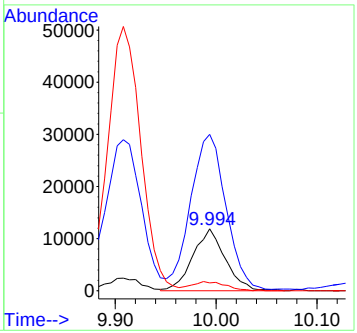


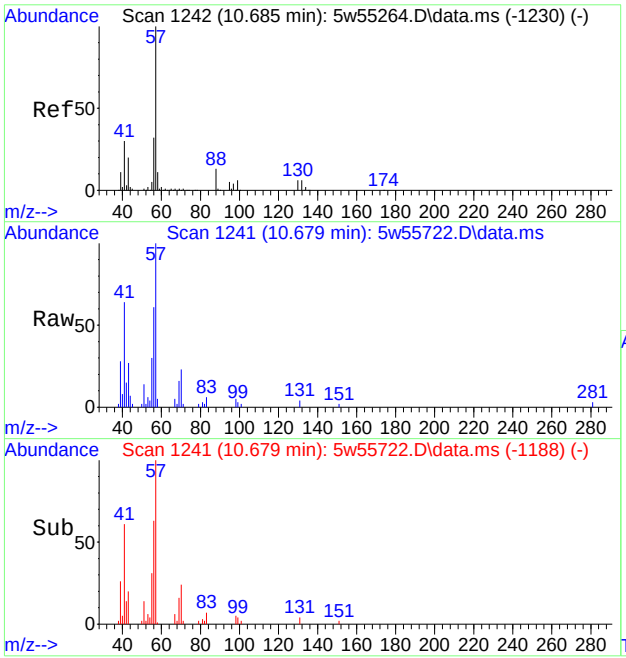


#54
2,3-DIMETHYLPENTANE
Concen: 1.65 PPBV
RT: 9.994 min Scan# 1129
Delta R.T. -0.006 min
Lab File: 5w55722.D
Acq: 18 Dec 2024 1:30 pm

Tgt Ion: 71 Resp: 26677

Ion	Ratio	Lower	Upper
71	100		
56	274.4	235.4	295.4
85	15.9	0.0	45.3

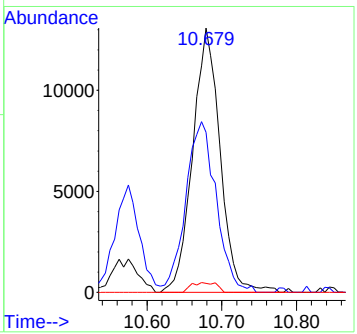


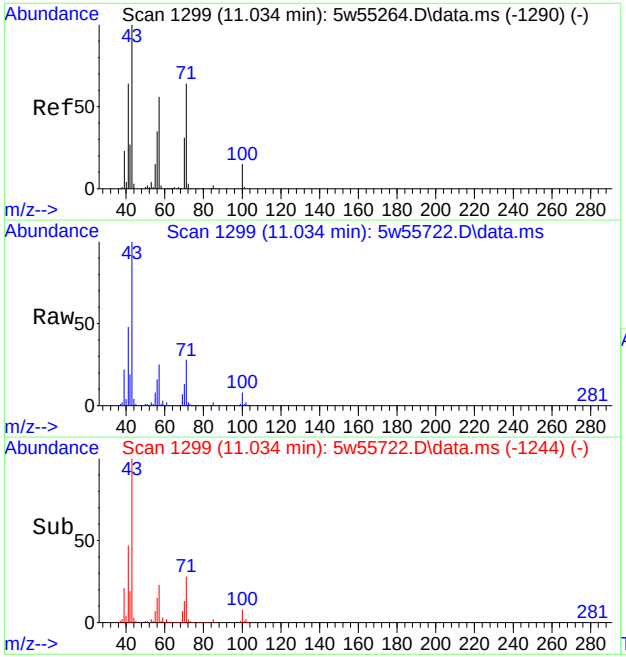


#60
2,2,4-TRIMETHYLPENTANE
Concen: 0.28 PPBV
RT: 10.679 min Scan# 1241
Delta R.T. -0.006 min
Lab File: 5w55722.D
Acq: 18 Dec 2024 1:30 pm

Tgt Ion: 57 Resp: 33439

Ion	Ratio	Lower	Upper
57	100		
56	71.6	2.2	62.2#
99	3.4	0.0	37.6

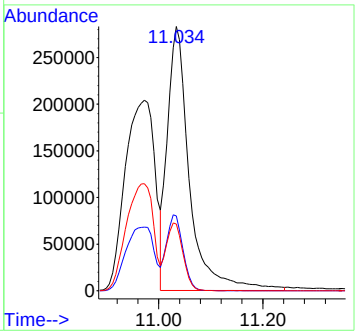


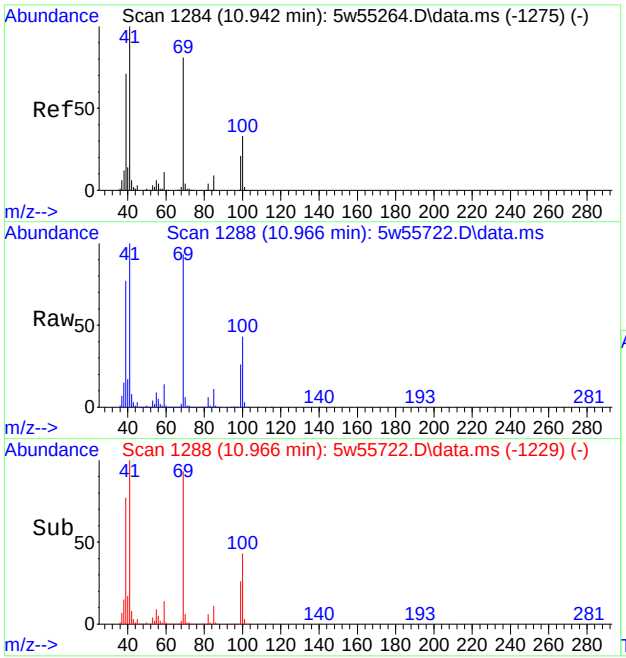


#62
HEPTANE
Concen: 19.71 PPBV m
RT: 11.034 min Scan# 1299
Delta R.T. 0.006 min
Lab File: 5w55722.D
Acq: 18 Dec 2024 1:30 pm

Tgt Ion: 43 Resp: 835842

Ion	Ratio	Lower	Upper
43	100		
71	31.2	27.2	87.2
57	49.8	22.5	82.5

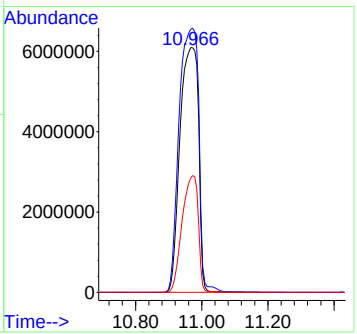


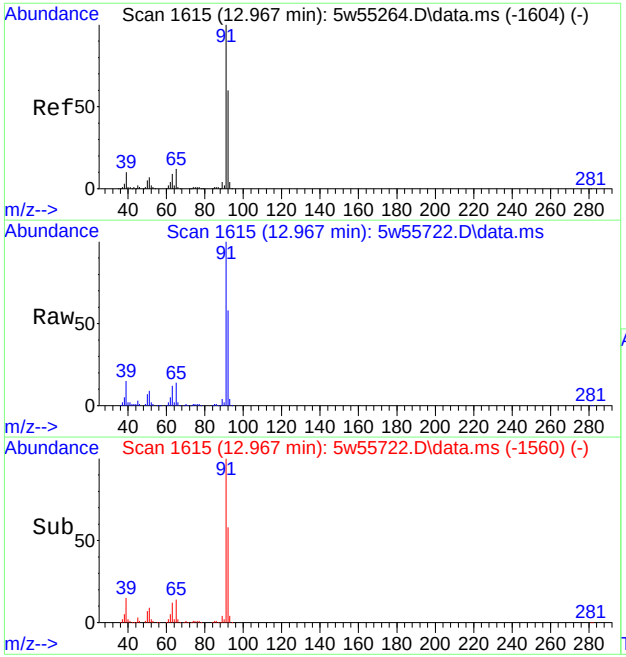


#63
METHYL METHACRYLATE
Concen: 893.28 PPBV
RT: 10.966 min Scan# 1288
Delta R.T. 0.030 min
Lab File: 5w55722.D
Acq: 18 Dec 2024 1:30 pm

Tgt Ion: 69 Resp:23744079

Ion	Ratio	Lower	Upper
69	100		
41	114.5	97.3	157.3
100	41.5	3.0	63.0

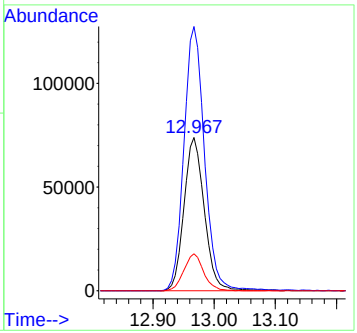


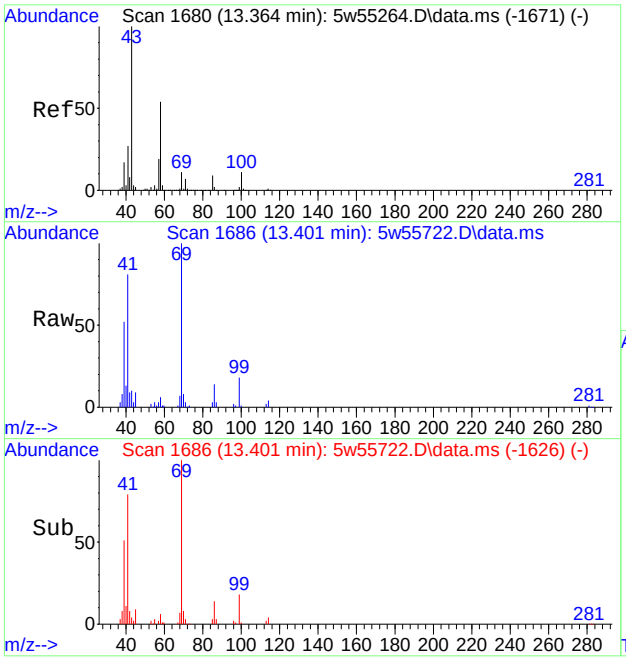


#66
TOLUENE
Concen: 3.07 PPBV
RT: 12.967 min Scan# 1615
Delta R.T. 0.006 min
Lab File: 5w55722.D
Acq: 18 Dec 2024 1:30 pm

Tgt Ion: 92 Resp: 171422

Ion	Ratio	Lower	Upper
92	100		
91	174.6	143.4	203.4
65	23.4	0.0	53.8

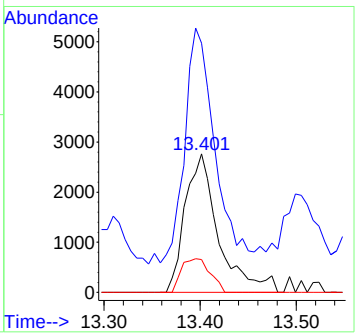


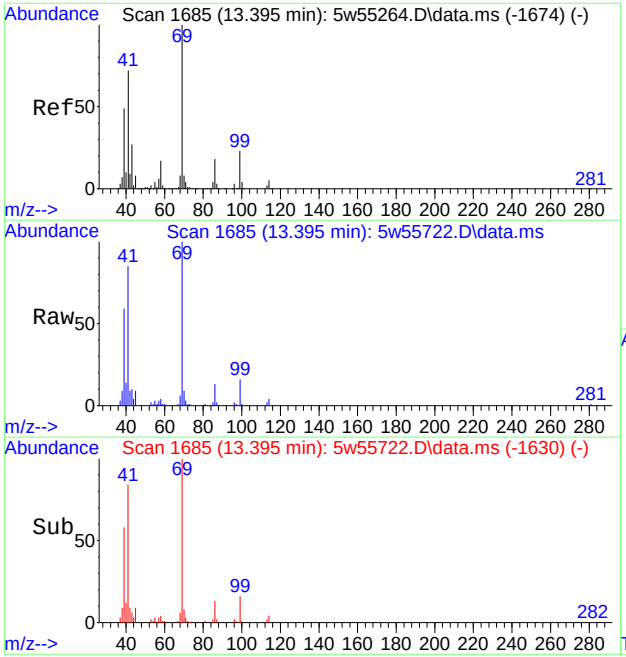


#71
2-HEXANONE
Concen: 0.22 PPBV
RT: 13.401 min Scan# 1686
Delta R.T. 0.037 min
Lab File: 5w55722.D
Acq: 18 Dec 2024 1:30 pm

Tgt Ion: 58 Resp: 6660

Ion	Ratio	Lower	Upper
58	100		
43	155.0	159.0	219.0#
100	21.0	0.0	47.8

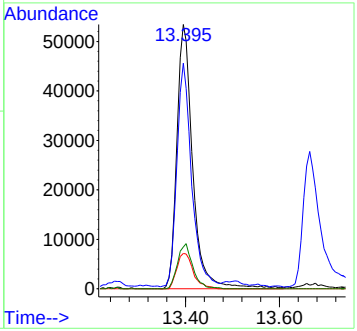


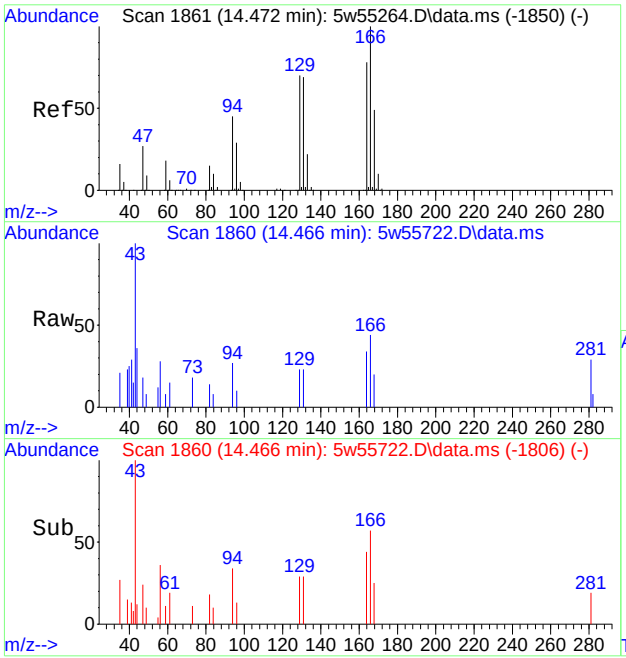


#72
ETHYL METHACRYLATE
Concen: 2.88 PPBV
RT: 13.395 min Scan# 1685
Delta R.T. 0.006 min
Lab File: 5w55722.D
Acq: 18 Dec 2024 1:30 pm

Tgt Ion: 69 Resp: 125679

Ion	Ratio	Lower	Upper
69	100		
41	81.7	67.8	125.8
86	13.8	11.3	20.9
99	16.4	12.9	23.9

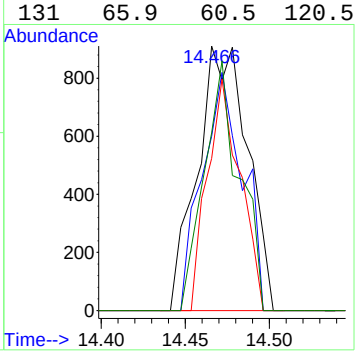


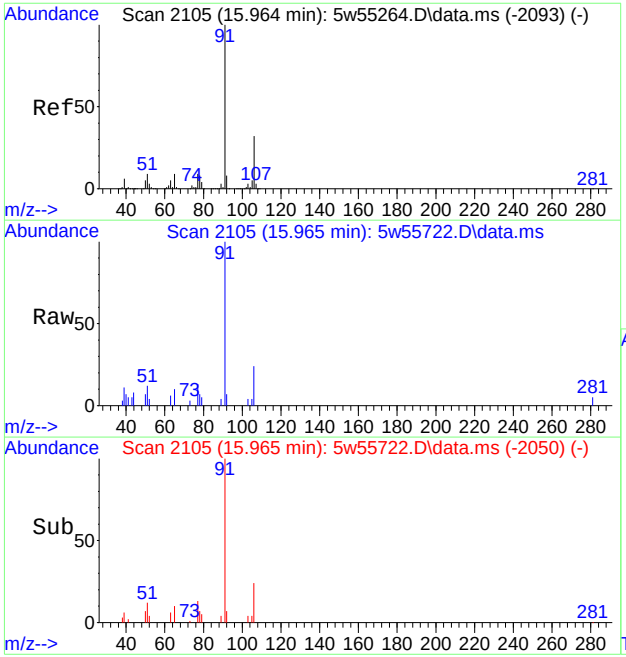


#73
TETRACHLOROETHYLENE
Concen: 0.05 PPBV
RT: 14.466 min Scan# 1860
Delta R.T. -0.000 min
Lab File: 5w55722.D
Acq: 18 Dec 2024 1:30 pm

Tgt Ion:164 Resp: 1898

Ion	Ratio	Lower	Upper
164	100		
129	72.0	64.4	124.4
168	57.0	31.2	91.2
131	65.9	60.5	120.5

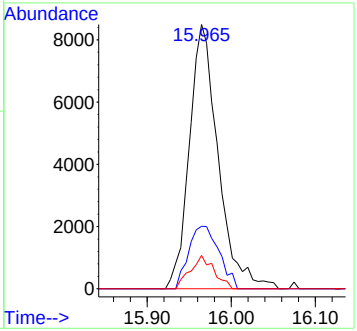


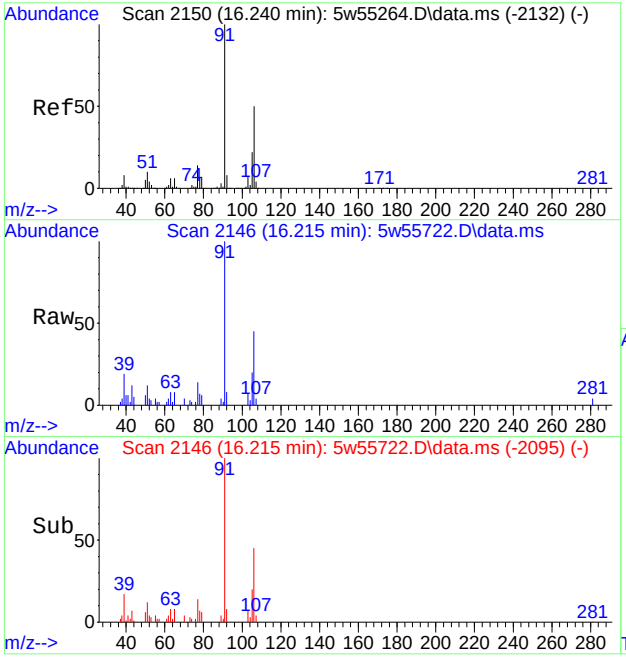


#79
ETHYLBENZENE
Concen: 0.17 PPBV
RT: 15.965 min Scan# 2105
Delta R.T. 0.006 min
Lab File: 5w55722.D
Acq: 18 Dec 2024 1:30 pm

Tgt Ion: 91 Resp: 20227

Ion	Ratio	Lower	Upper
91	100		
106	25.0	0.0	59.9
77	10.3	0.0	39.1

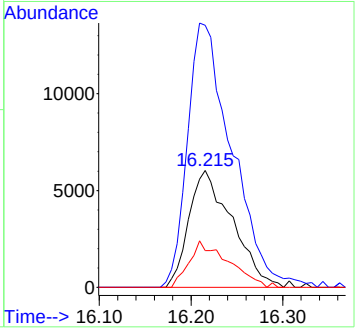


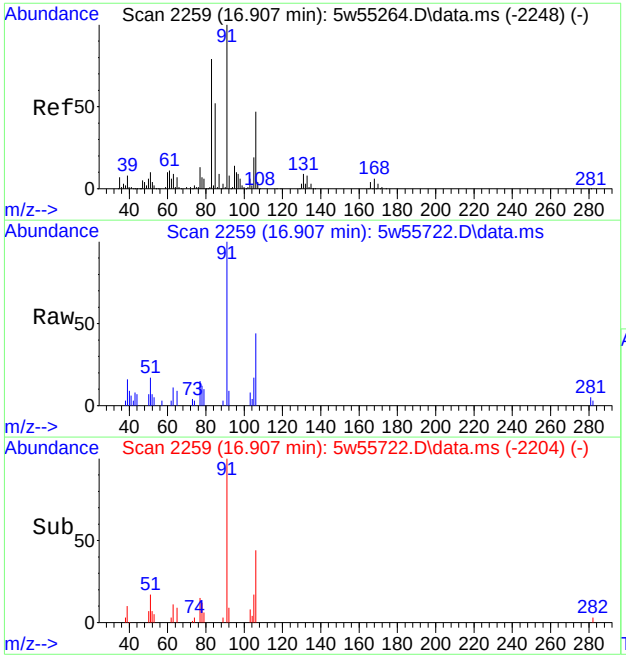


#80
m,p-XYLENE
Concen: 0.45 PPBV
RT: 16.215 min Scan# 2146
Delta R.T. -0.018 min
Lab File: 5w55722.D
Acq: 18 Dec 2024 1:30 pm

Tgt Ion:106 Resp: 19843

Ion	Ratio	Lower	Upper
106	100		
91	224.2	181.2	241.2
77	31.6	0.1	60.1

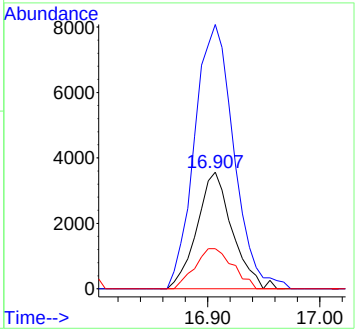


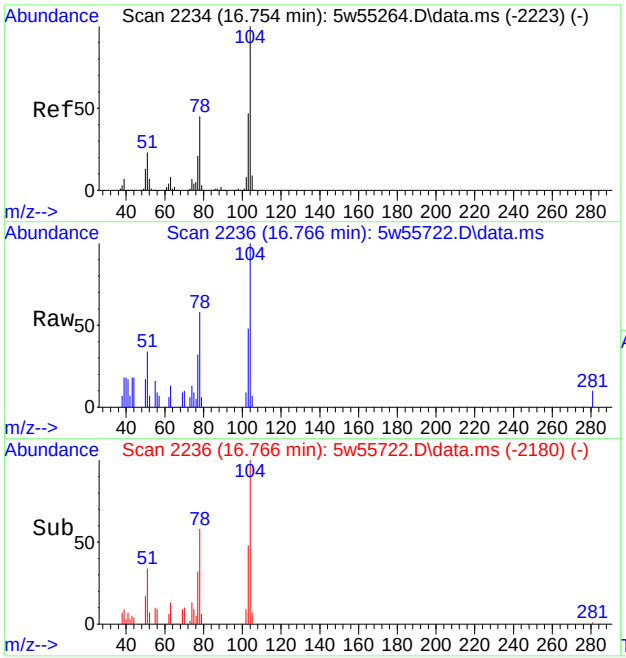


#81
o-XYLENE
Concen: 0.18 PPBV
RT: 16.907 min Scan# 2259
Delta R.T. 0.006 min
Lab File: 5w55722.D
Acq: 18 Dec 2024 1:30 pm

Tgt Ion:106 Resp: 7810

Ion	Ratio	Lower	Upper
106	100		
91	251.5	193.4	253.4
77	37.1	0.0	59.8

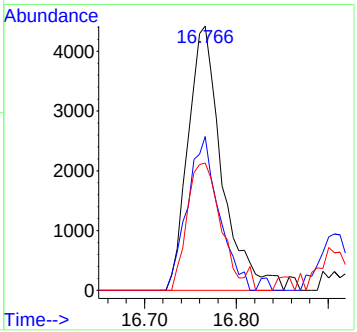


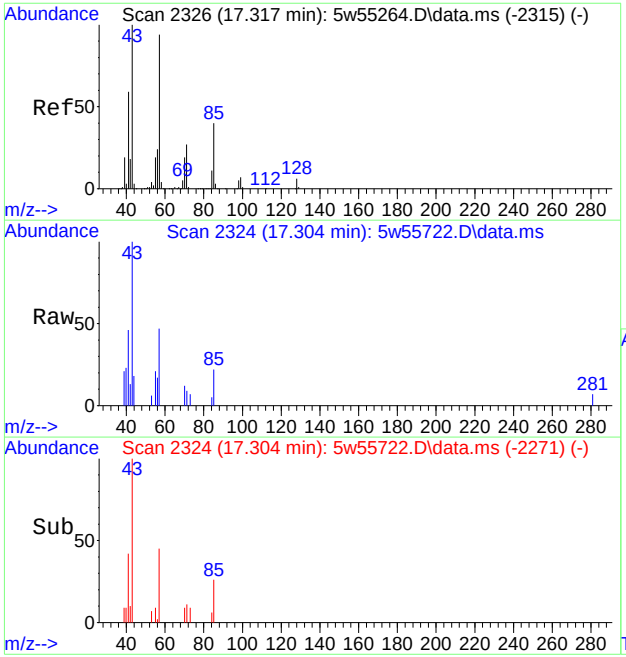


#82
STYRENE
Concen: 0.19 PPBV
RT: 16.766 min Scan# 2236
Delta R.T. 0.012 min
Lab File: 5w55722.D
Acq: 18 Dec 2024 1:30 pm

Tgt Ion:104 Resp: 11394

Ion	Ratio	Lower	Upper
104	100		
78	54.4	16.5	76.5
103	48.6	18.1	78.1

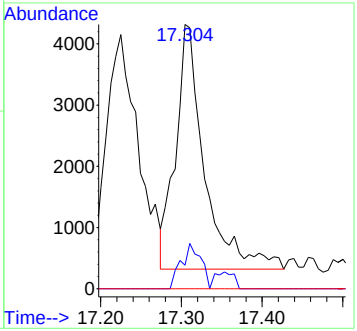


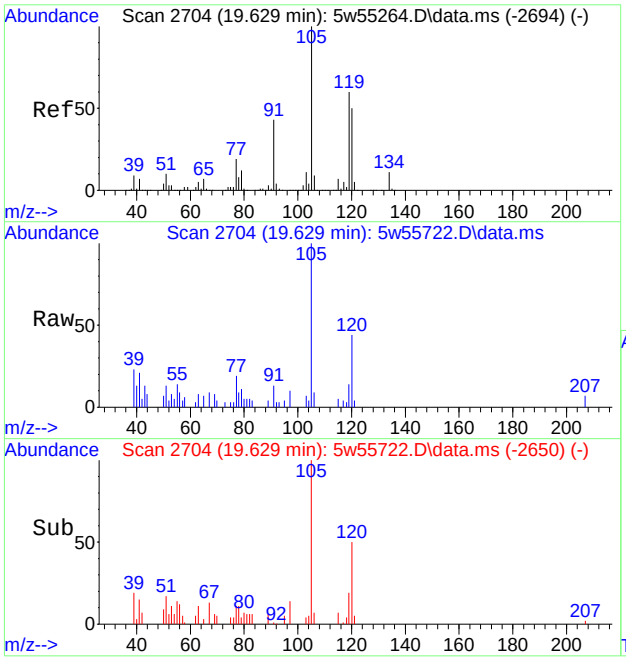


#83
NONANE
Concen: 0.17 PPBV
RT: 17.304 min Scan# 2324
Delta R.T. -0.006 min
Lab File: 5w55722.D
Acq: 18 Dec 2024 1:30 pm

Tgt Ion: 43 Resp: 9905

Ion	Ratio	Lower	Upper
43	100		
71	12.6	0.0	53.8
128	0.0	0.0	34.3

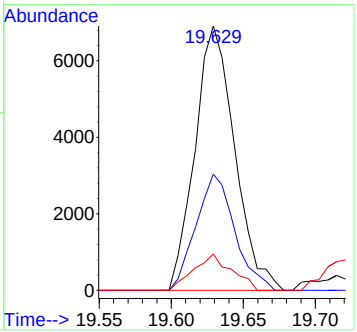


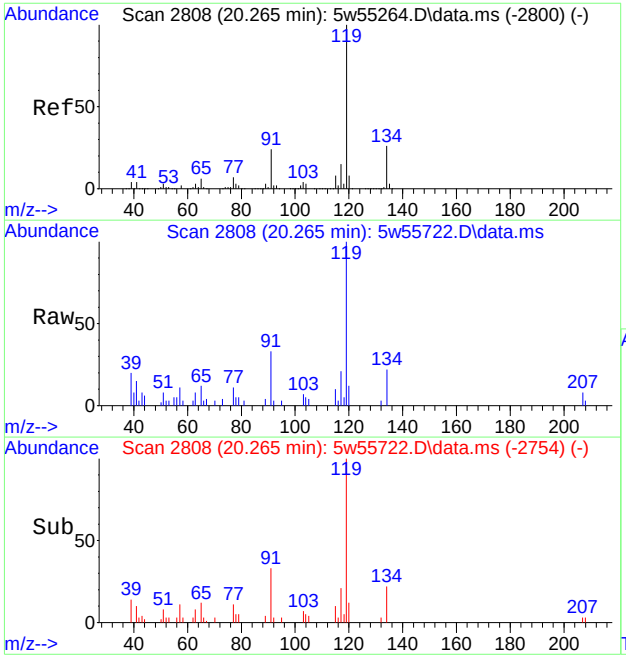


#96
1,2,4-TRIMETHYLBENZENE
Concen: 0.12 PPBV
RT: 19.629 min Scan# 2704
Delta R.T. -0.000 min
Lab File: 5w55722.D
Acq: 18 Dec 2024 1:30 pm

Tgt Ion:105 Resp: 13239

Ion	Ratio	Lower	Upper
105	100		
120	42.9	22.6	82.6
119	13.1	69.7	129.7#

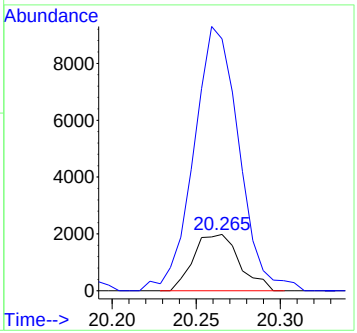




#102
p-ISOPROPYLTOLUENE
Concen: 0.12 PPBV
RT: 20.265 min Scan# 2808
Delta R.T. -0.000 min
Lab File: 5w55722.D
Acq: 18 Dec 2024 1:30 pm

Tgt Ion:134 Resp: 3765

Ion	Ratio	Lower	Upper
134	100		
119	463.1	403.4	463.4



Manual Integration Approval Summary

Sample Number: JE2491-2
Lab FileID: 5W55722.D
Injection Time: 12/18/24 13:30

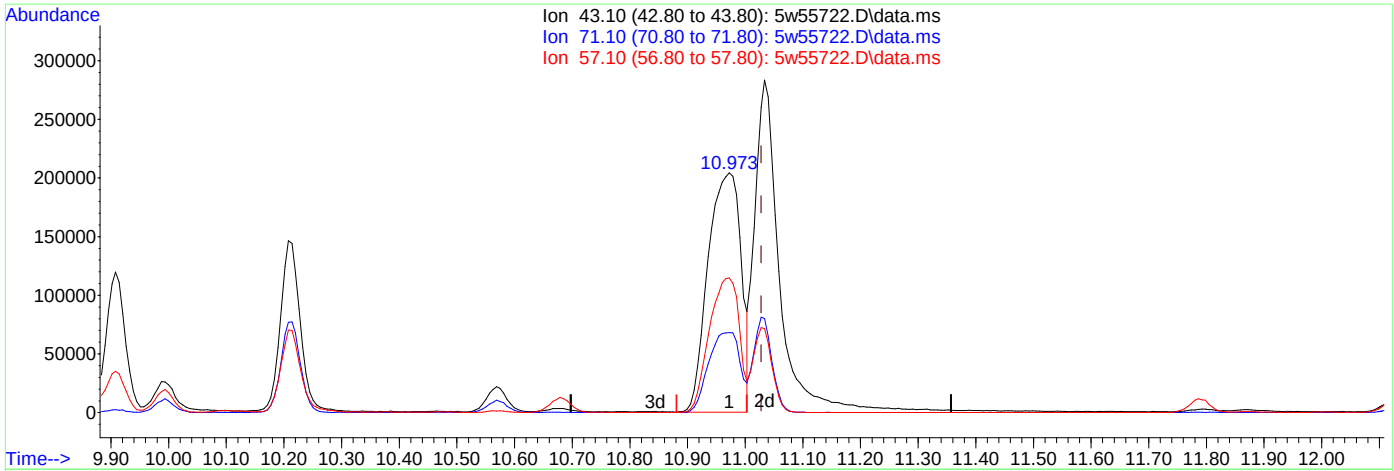
Method: TO-15
Analyst approved: 12/24/24 17:36 Kanya Veerawat
Supervisor approved: 12/24/24 18:00 Kanya Veerawat

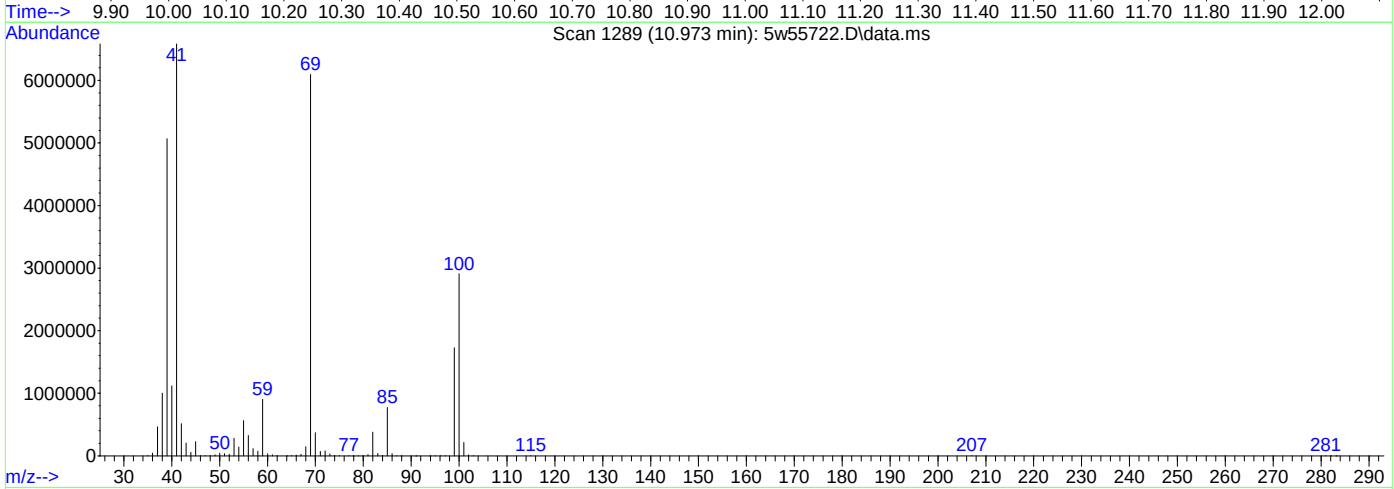
Parameter	CAS	Sig#	R.T. (min.)	Reason
Heptane	142-82-5		11.03	Missed peak

Quantitation Report (Qedit)

Data Path : G:\Dayton\MSAIR\Done\2024\December\19 Dec 2024\v5w2133\
Data File : 5w55722.D
Acq On : 18 Dec 2024 1:30 pm
Operator : thomash
Sample : je2491-2
Misc : MS88104,V5W2133,500,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 18 19:16:54 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration





TIC: 5w55722.D\data.ms

(62) HEPTANE

10.973min (-0.055) 19.11PPBV

response 810259

Ion	Exp%	Act%
43.10	100	100
71.10	57.20	32.22
57.10	52.50	51.38
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55796.D
Acq On : 21 Dec 2024 3:11 am
Operator : thomash
Sample : je2491-2 Inst : GCMS5W
Misc : MS88104,V5W2136,10,,,,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 23 07:54:01 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

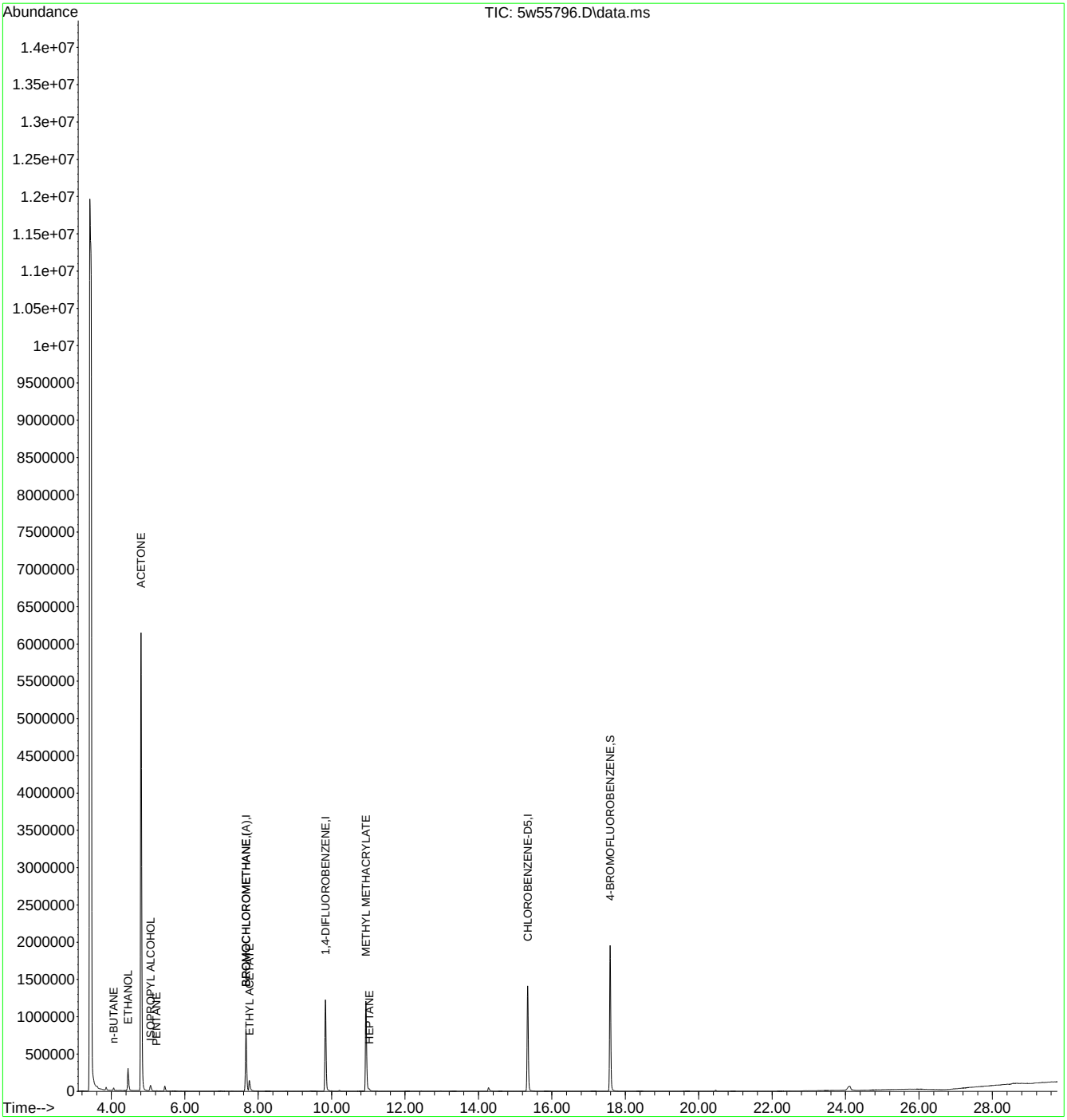
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	7.669	128	214306	10.00	PPBV	# 0.00
51) 1,4-DIFLUOROBENZENE	9.829	114	1052666	10.00	PPBV	0.00
70) CHLOROBENZENE-D5	15.341	82	558080	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	7.669	128	214306	10.00	PPBV	# 0.00
System Monitoring Compounds						
85) 4-BROMOFLUOROBENZENE	17.586	95	693592	11.11	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 111.10%			
Target Compounds						Qvalue
13) n-BUTANE	4.060	43	27245	0.5951	PPBV #	93
22) ISOPROPYL ALCOHOL	5.069	45	120762	2.6335	PPBV	83
23) ACETONE	4.806	58	2266719	131.1409	PPBV #	85
24) PENTANE	5.228	42	2609	0.1145	PPBV	88
28) ETHANOL	4.451	45	394688	23.4847	PPBV	99
44) ETHYL ACETATE	7.761	61	27488	4.0085	PPBV #	76
62) HEPTANE	11.021	43	9307	0.2300	PPBV	94
63) METHYL METHACRYLATE	10.930	69	543981	21.4458	PPBV	89

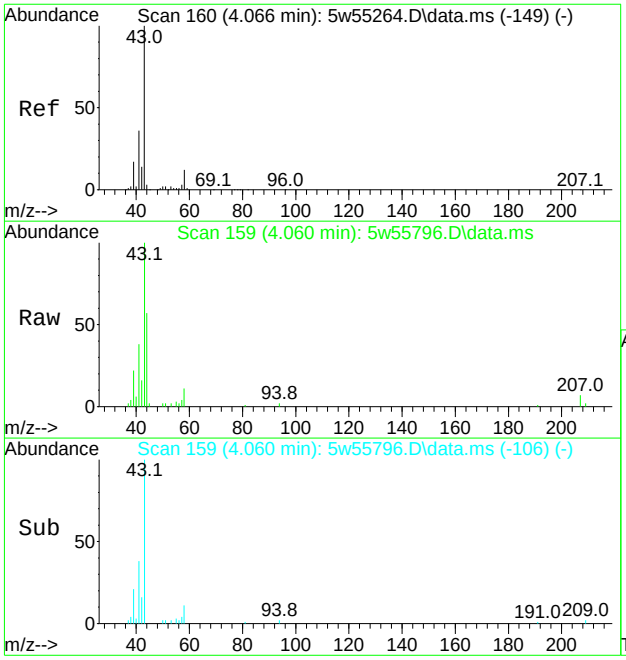
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55796.D
Acq On : 21 Dec 2024 3:11 am
Operator : thomash
Sample : je2491-2 Inst : GCMS5W
Misc : MS88104,V5W2136,10,,,,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 23 07:54:01 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

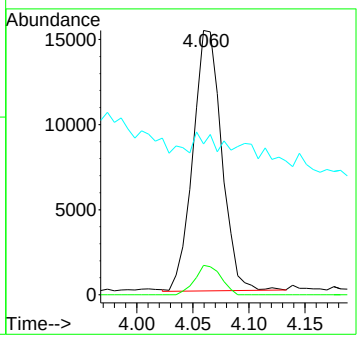


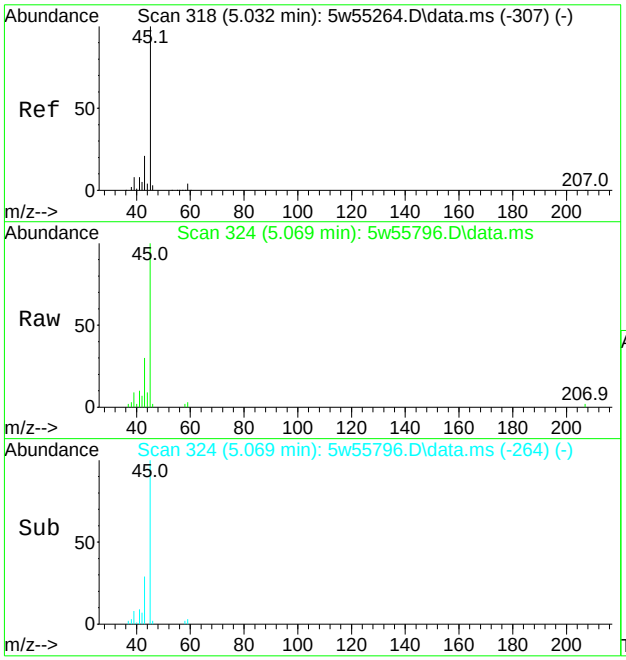


#13
n-BUTANE
Concen: 0.5951 PPBV
RT: 4.060 min Scan# 159
Delta R.T. -0.006 min
Lab File: 5w55796.D
Acq: 21 Dec 2024 3:11 am

Tgt Ion: 43 Resp: 27245

Ion	Ratio	Lower	Upper
43	100		
58	10.2	0.0	41.6
44	0.0	0.0	34.7

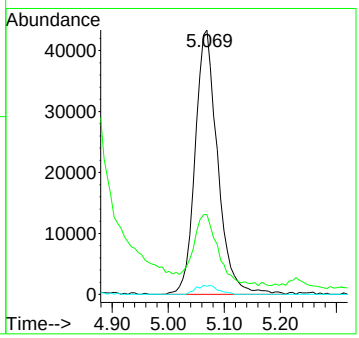


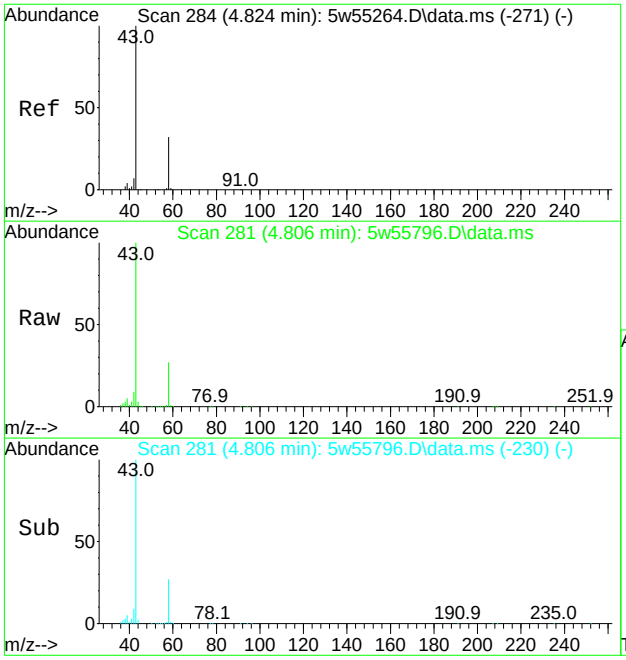


#22
ISOPROPYL ALCOHOL
Concen: 2.6335 PPBV
RT: 5.069 min Scan# 324
Delta R.T. 0.037 min
Lab File: 5w55796.D
Acq: 21 Dec 2024 3:11 am

Tgt Ion: 45 Resp: 120762

Ion	Ratio	Lower	Upper
45	100		
43	30.2	0.0	50.8
59	3.1	0.0	33.8

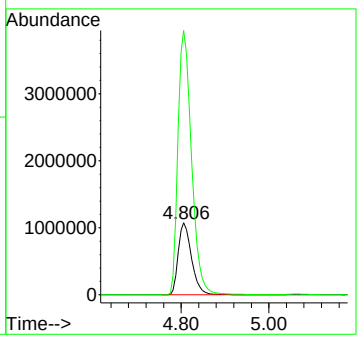


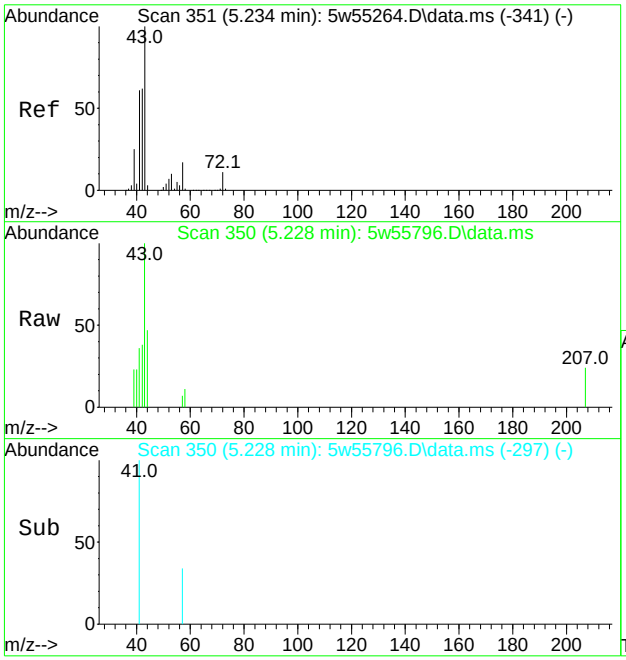


#23
ACETONE
Concen: 131.1409 PPBV
RT: 4.806 min Scan# 281
Delta R.T. -0.018 min
Lab File: 5w55796.D
Acq: 21 Dec 2024 3:11 am

Tgt Ion: 58 Resp: 2266719

Ion	Ratio	Lower	Upper
58	100		
43	374.5	312.3	372.3#

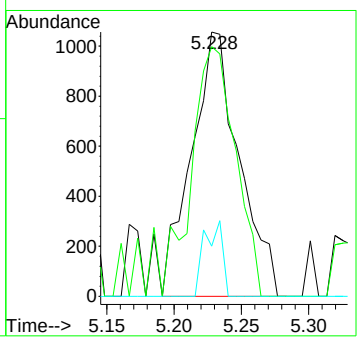


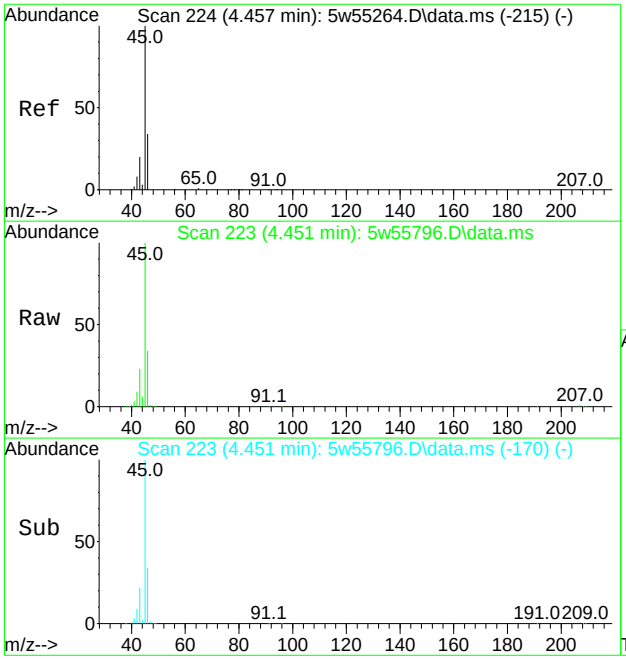


#24
PENTANE
Concen: 0.1145 PPBV
RT: 5.228 min Scan# 350
Delta R.T. -0.006 min
Lab File: 5w55796.D
Acq: 21 Dec 2024 3:11 am

Tgt Ion: 42 Resp: 2609

Ion	Ratio	Lower	Upper
42	100		
41	87.0	64.4	124.4
57	10.8	0.0	55.0

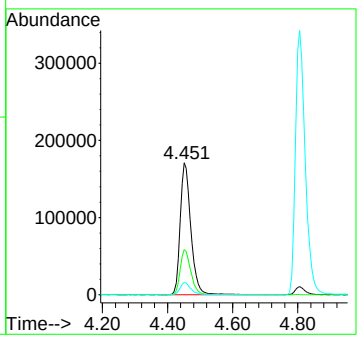


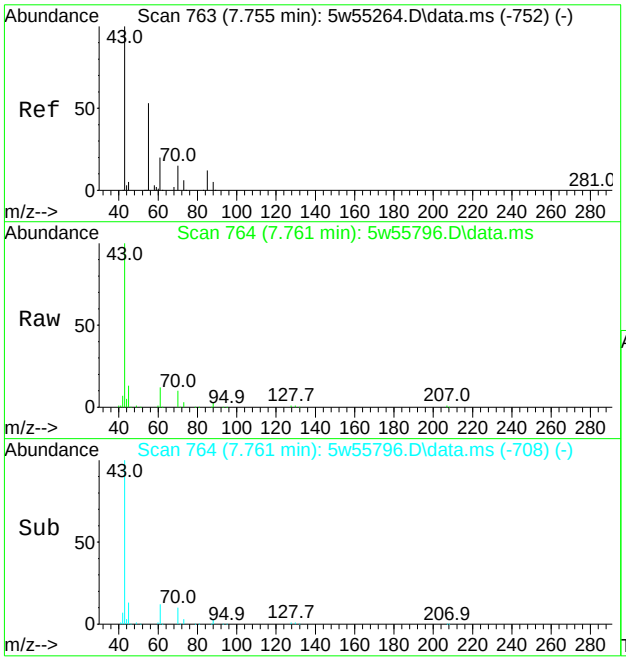


#28
ETHANOL
Concen: 23.4847 PPBV
RT: 4.451 min Scan# 223
Delta R.T. -0.006 min
Lab File: 5w55796.D
Acq: 21 Dec 2024 3:11 am

Tgt Ion: 45 Resp: 394688

Ion	Ratio	Lower	Upper
45	100		
46	34.1	4.5	64.5
42	9.1	0.0	38.6

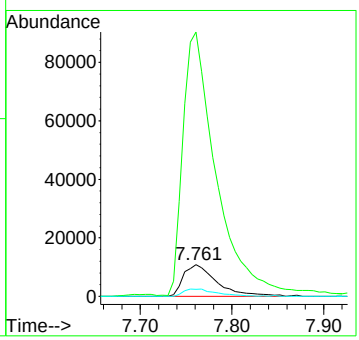


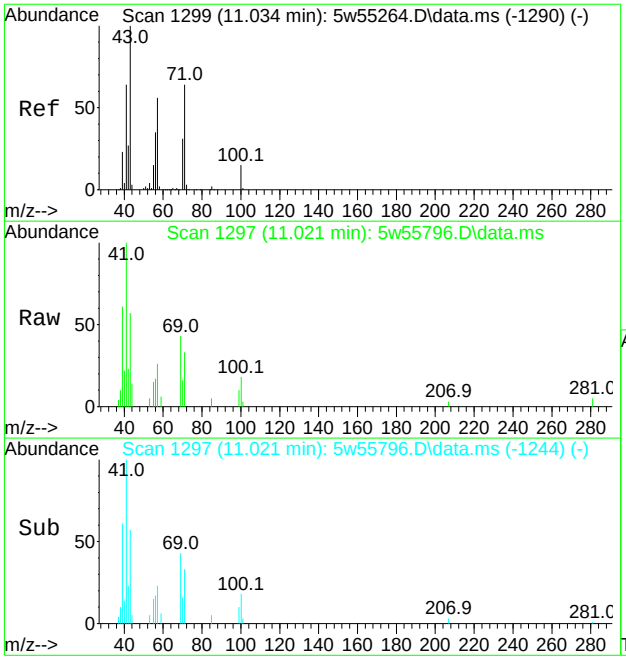


#44
ETHYL ACETATE
Concen: 4.0085 PPBV
RT: 7.761 min Scan# 764
Delta R.T. 0.012 min
Lab File: 5w55796.D
Acq: 21 Dec 2024 3:11 am

Tgt Ion: 61 Resp: 27488

Ion	Ratio	Lower	Upper
61	100		
43	858.5	0.0	30.0#
88	23.1	7.3	67.3

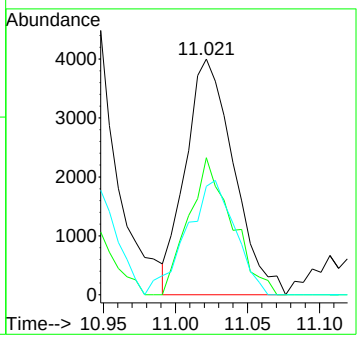


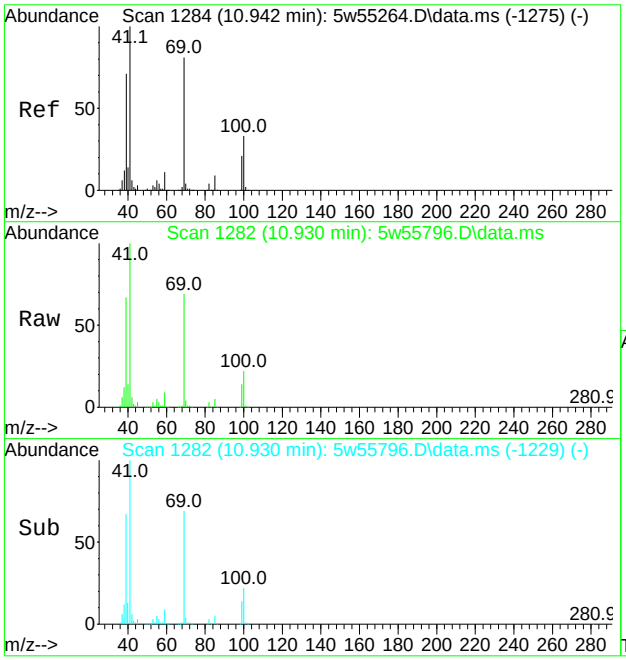


#62
HEPTANE
Concen: 0.2300 PPBV
RT: 11.021 min Scan# 1297
Delta R.T. -0.006 min
Lab File: 5w55796.D
Acq: 21 Dec 2024 3:11 am

Tgt Ion: 43 Resp: 9307

Ion	Ratio	Lower	Upper
43	100		
71	52.3	27.2	87.2
57	48.7	22.5	82.5

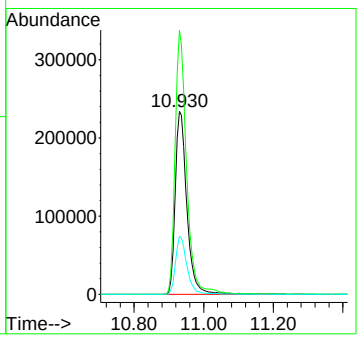




#63
METHYL METHACRYLATE
Concen: 21.4458 PPBV
RT: 10.930 min Scan# 1282
Delta R.T. -0.006 min
Lab File: 5w55796.D
Acq: 21 Dec 2024 3:11 am

Tgt Ion: 69 Resp: 543981

Ion	Ratio	Lower	Upper
69	100		
41	142.2	97.3	157.3
100	31.4	3.0	63.0



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\122424\v5w2138\
Data File : 5w55831.D
Acq On : 23 Dec 2024 7:43 pm
Operator : thomash
Sample : je2491-2(a1735,m442) Inst : GCMS5W
Misc : MS88104,V5W2138,200,,,,135
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 24 17:09:16 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

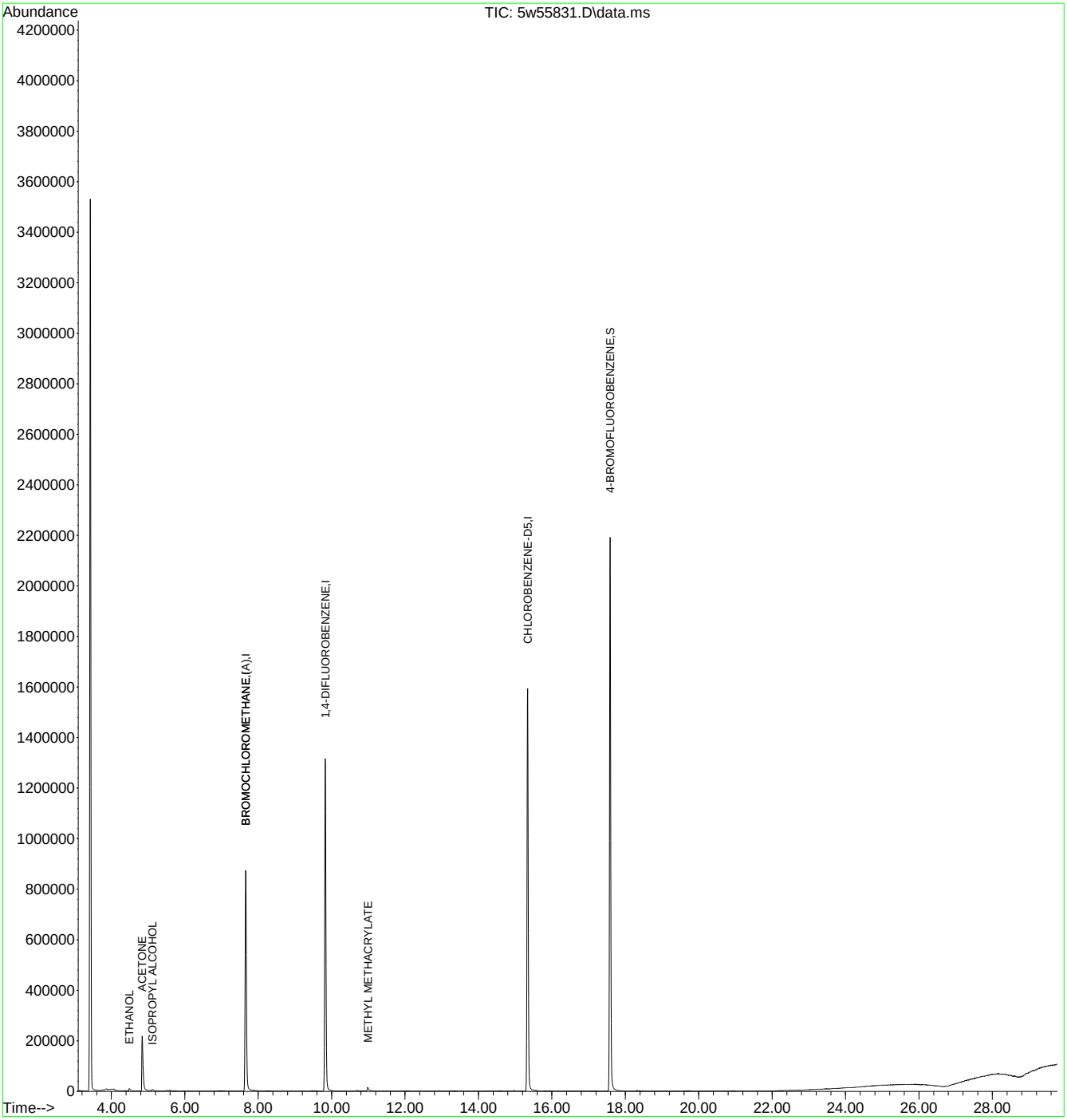
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	7.657	128	244806	10.00	PPBV	#-0.01
51) 1,4-DIFLUOROBENZENE	9.829	114	1174993	10.00	PPBV	0.00
70) CHLOROBENZENE-D5	15.341	82	645042	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	7.657	128	244806	10.00	PPBV	#-0.01
System Monitoring Compounds						
85) 4-BROMOFLUOROBENZENE	17.586	95	775008	10.74	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 107.40%			
Target Compounds						Qvalue
22) ISOPROPYL ALCOHOL	5.118	45	9462	0.1806	PPBV	71
23) ACETONE	4.837	58	87234	4.4181	PPBV #	73
28) ETHANOL	4.488	45	13165	0.6857	PPBV	94
63) METHYL METHACRYLATE	10.985	69	10488	0.3704	PPBV	86

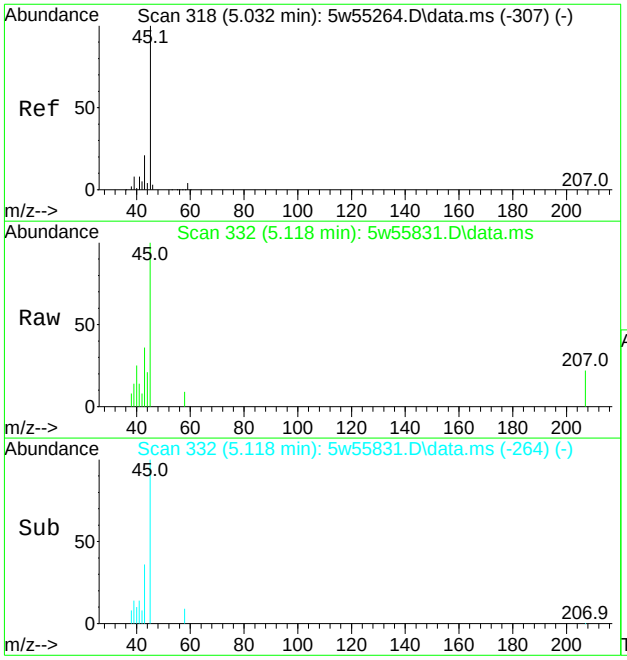
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\122424\v5w2138\
Data File : 5w55831.D
Acq On : 23 Dec 2024 7:43 pm
Operator : thomash
Sample : je2491-2(a1735,m442) Inst : GCMS5W
Misc : MS88104,V5W2138,200,,,,135
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 24 17:09:16 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

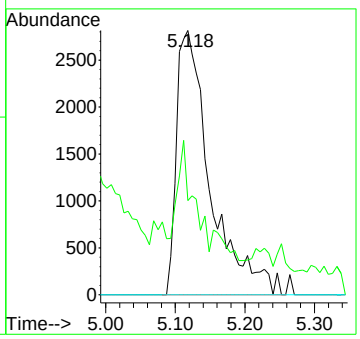


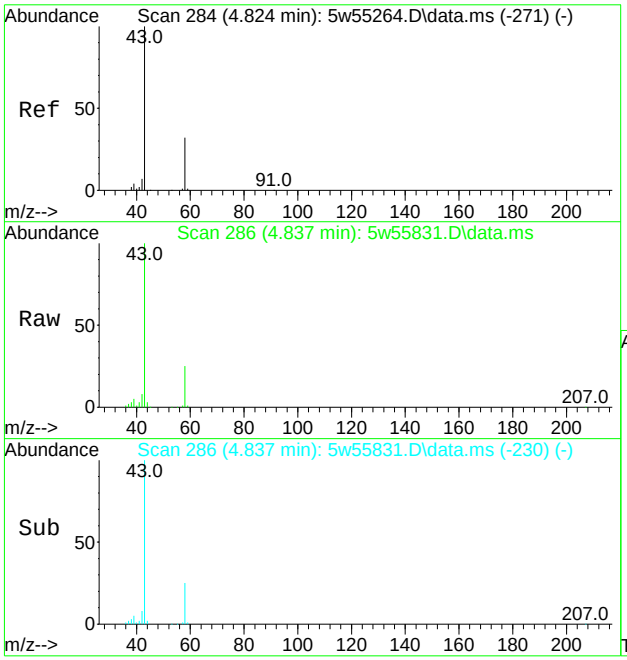


#22
ISOPROPYL ALCOHOL
Concen: 0.1806 PPBV
RT: 5.118 min Scan# 332
Delta R.T. 0.086 min
Lab File: 5w55831.D
Acq: 23 Dec 2024 7:43 pm

Tgt Ion: 45 Resp: 9462

Ion	Ratio	Lower	Upper
45	100		
43	35.6	0.0	50.8
59	0.0	0.0	33.8

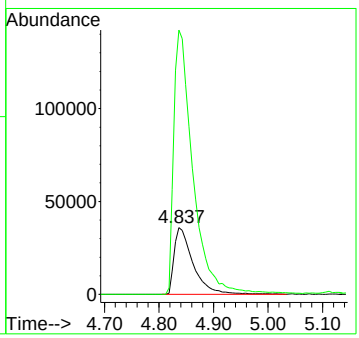


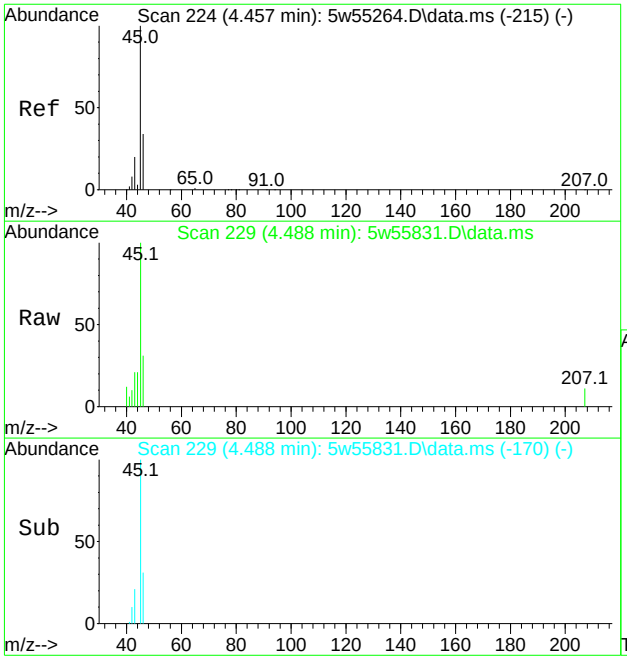


#23
ACETONE
Concen: 4.4181 PPBV
RT: 4.837 min Scan# 286
Delta R.T. 0.012 min
Lab File: 5w55831.D
Acq: 23 Dec 2024 7:43 pm

Tgt Ion: 58 Resp: 87234

Ion	Ratio	Lower	Upper
58	100		
43	400.5	312.3	372.3#

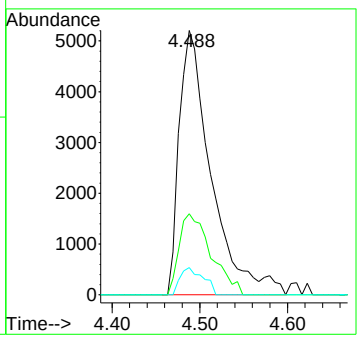


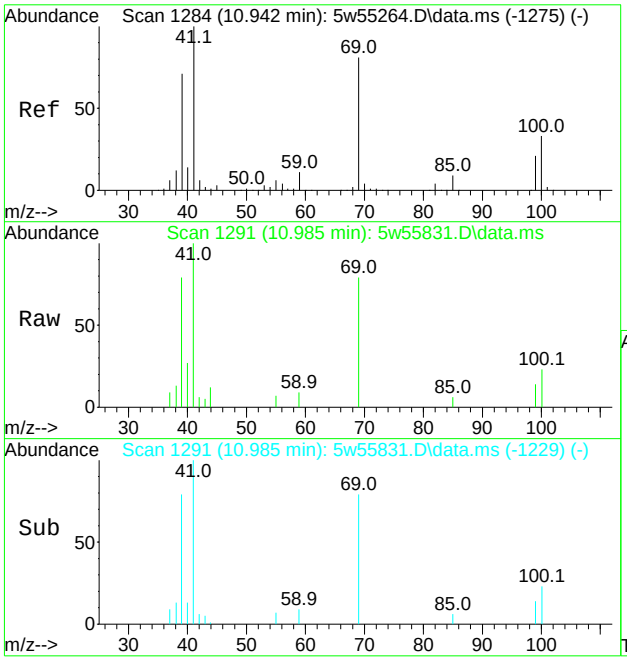


#28
ETHANOL
Concen: 0.6857 PPBV
RT: 4.488 min Scan# 229
Delta R.T. 0.031 min
Lab File: 5w55831.D
Acq: 23 Dec 2024 7:43 pm

Tgt Ion: 45 Resp: 13165

Ion	Ratio	Lower	Upper
45	100		
46	30.7	4.5	64.5
42	7.5	0.0	38.6

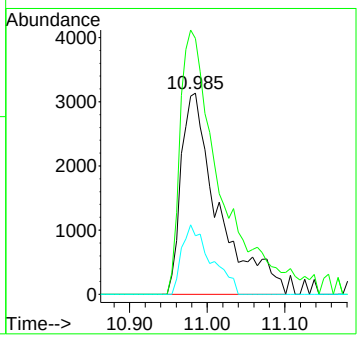




#63
METHYL METHACRYLATE
Concen: 0.3704 PPBV
RT: 10.985 min Scan# 1291
Delta R.T. 0.049 min
Lab File: 5w55831.D
Acq: 23 Dec 2024 7:43 pm

Tgt Ion: 69 Resp: 10488

Ion	Ratio	Lower	Upper
69	100		
41	144.5	97.3	157.3
100	27.1	3.0	63.0



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55797.D
Acq On : 21 Dec 2024 3:54 am
Operator : thomash
Sample : je2491-3 Inst : GCMS5W
Misc : MS88104,V5W2136,200,,,,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 23 07:56:11 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

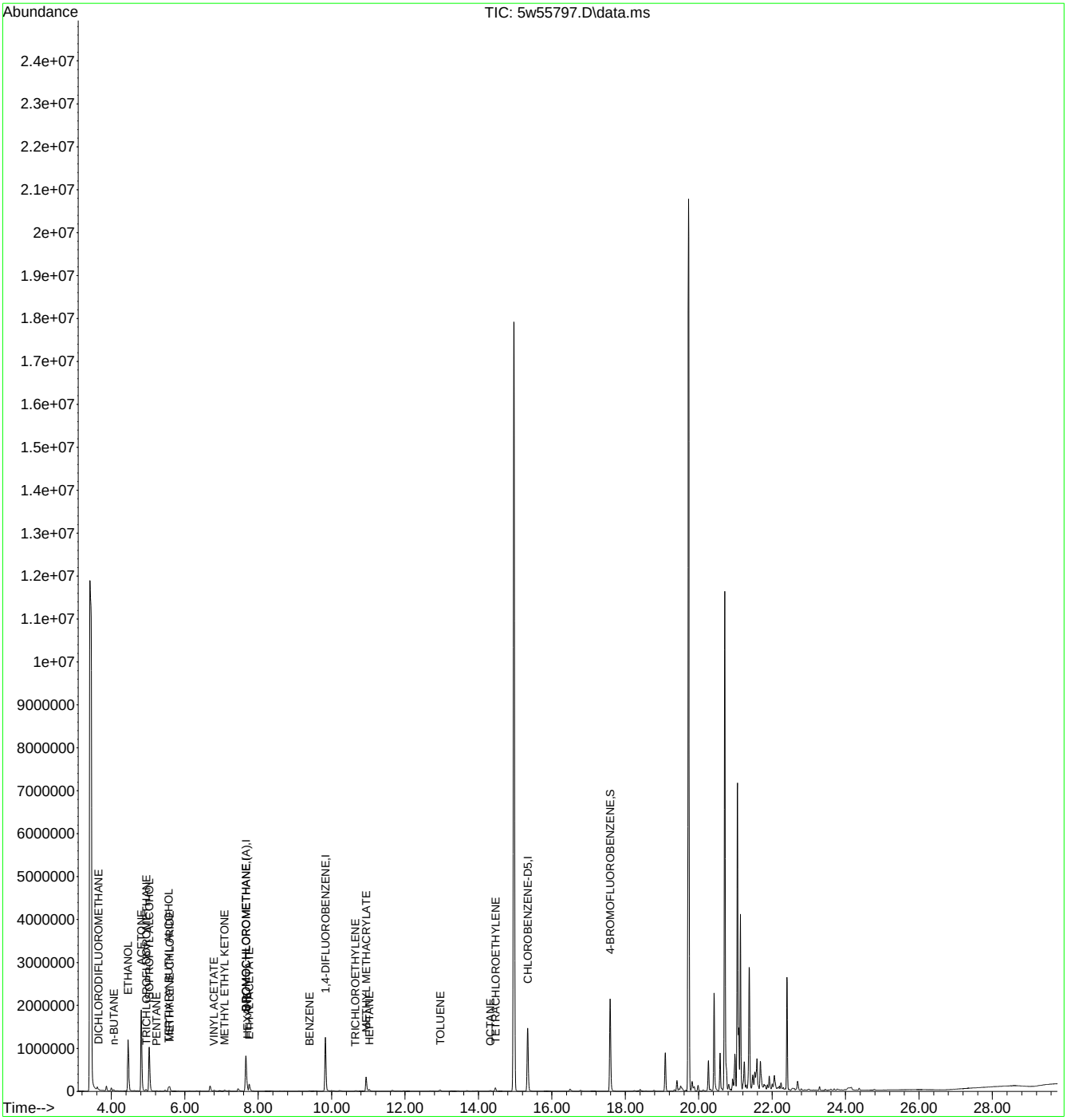
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	7.663	128	219702	10.00	PPBV	# 0.00
51) 1,4-DIFLUOROBENZENE	9.829	114	1077760	10.00	PPBV	0.00
70) CHLOROBENZENE-D5	15.341	82	597639	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	7.663	128	219702	10.00	PPBV	# 0.00
System Monitoring Compounds						
85) 4-BROMOFLUOROBENZENE	17.586	95	752483	11.25	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 112.50%			
Target Compounds						Qvalue
6) DICHLORODIFLUOROMETHANE	3.650	85	19833	0.2470	PPBV	97
13) n-BUTANE	4.066	43	23371	0.4979	PPBV #	94
21) TRICHLOROFLUOROMETHANE	4.947	101	29705	0.4004	PPBV	100
22) ISOPROPYL ALCOHOL	5.032	45	1431104	30.4421	PPBV	98
23) ACETONE	4.812	58	663541	37.4463	PPBV #	81
24) PENTANE	5.228	42	5092	0.2180	PPBV	87
28) ETHANOL	4.457	45	1505030	87.3529	PPBV	99
31) METHYLENE CHLORIDE	5.589	84	34228	1.4854	PPBV	92
35) TERTIARY BUTYL ALCOHOL	5.558	59	116658	2.6380	PPBV	83
38) HEXANE	7.700	57	41598	1.2084	PPBV	93
39) VINYL ACETATE	6.794	86	1849	0.4699	PPBV #	62
41) METHYL ETHYL KETONE	7.076	72	11128	1.1677	PPBV	94
44) ETHYL ACETATE	7.755	61	30653	4.3602	PPBV #	73
52) BENZENE	9.400	78	14933	0.1912	PPBV	98
55) TRICHLOROETHYLENE	10.648	95	1915	0.0465	PPBV	88
62) HEPTANE	11.021	43	19199	0.4634	PPBV	90
63) METHYL METHACRYLATE	10.936	69	152860	5.8860	PPBV	93
66) TOLUENE	12.961	92	15318	0.2803	PPBV	95
73) TETRACHLOROETHYLENE	14.466	164	22029	0.5643	PPBV	85
76) OCTANE	14.325	43	17246	0.3285	PPBV	60

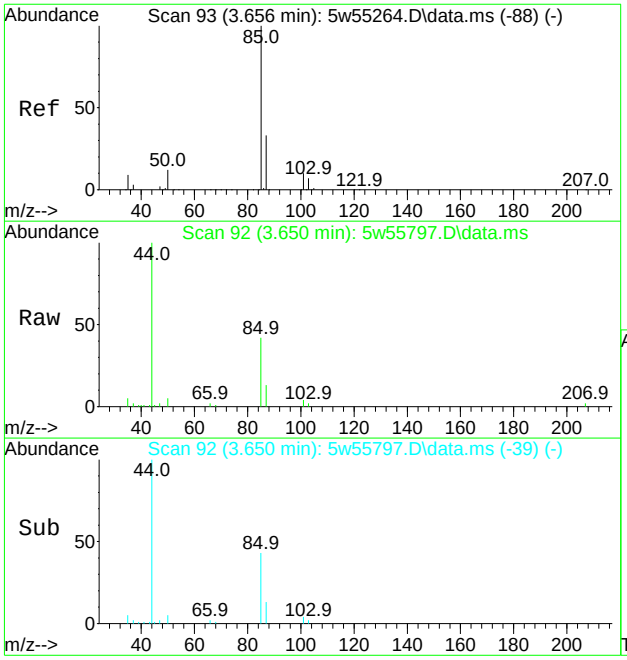
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55797.D
Acq On : 21 Dec 2024 3:54 am
Operator : thomash
Sample : je2491-3 Inst : GCMS5W
Misc : MS88104,V5W2136,200,,,,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 23 07:56:11 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

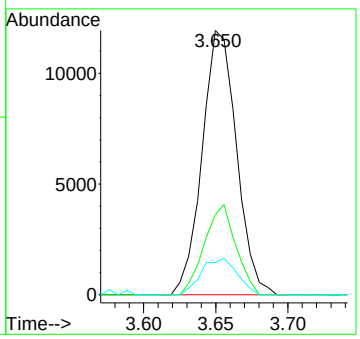


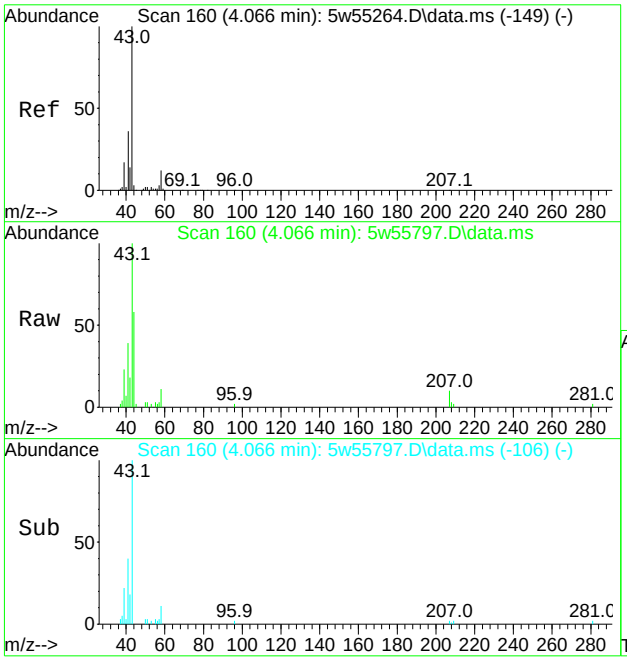


#6
DICHLORODIFLUOROMETHANE
Concen: 0.2470 PPBV
RT: 3.650 min Scan# 92
Delta R.T. -0.006 min
Lab File: 5w55797.D
Acq: 21 Dec 2024 3:54 am

Tgt Ion: 85 Resp: 19833

Ion	Ratio	Lower	Upper
85	100		
87	31.2	2.6	62.6
50	14.4	0.0	43.0

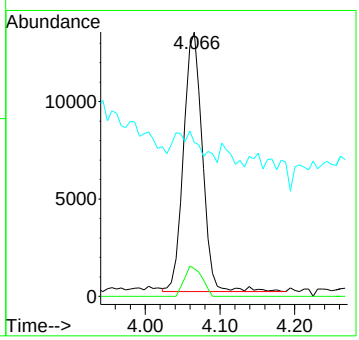


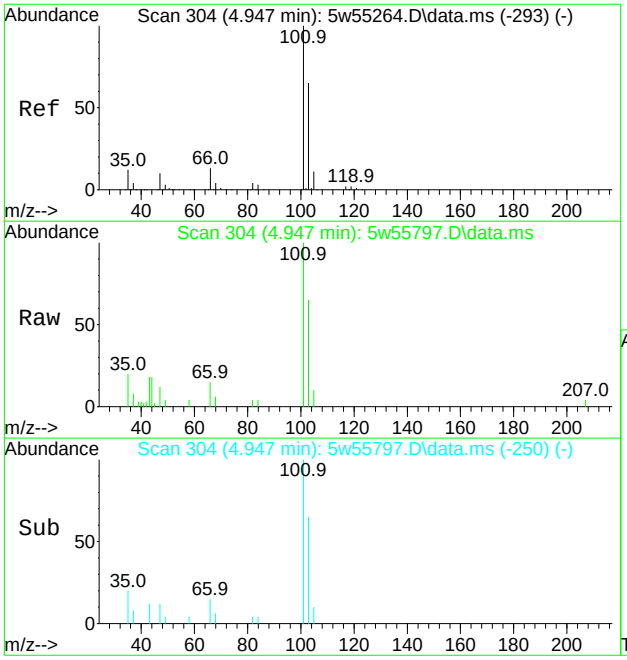


#13
n-BUTANE
Concen: 0.4979 PPBV
RT: 4.066 min Scan# 160
Delta R.T. -0.000 min
Lab File: 5w55797.D
Acq: 21 Dec 2024 3:54 am

Tgt Ion: 43 Resp: 23371

Ion	Ratio	Lower	Upper
43	100		
58	10.8	0.0	41.6
44	0.0	0.0	34.7

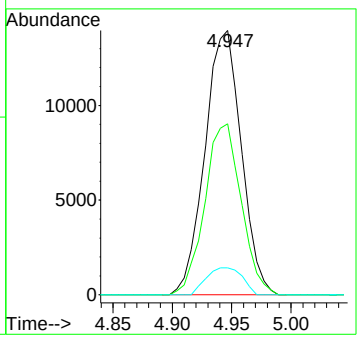


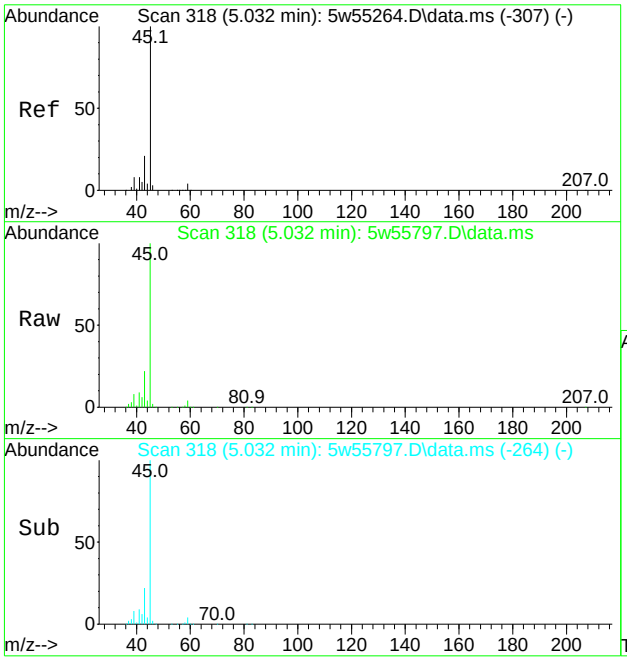


#21
TRICHLOROFLUOROMETHANE
Concen: 0.4004 PPBV
RT: 4.947 min Scan# 304
Delta R.T. -0.000 min
Lab File: 5w55797.D
Acq: 21 Dec 2024 3:54 am

Tgt Ion:101 Resp: 29705

Ion	Ratio	Lower	Upper
101	100		
103	64.6	34.7	94.7
105	10.1	0.0	40.5

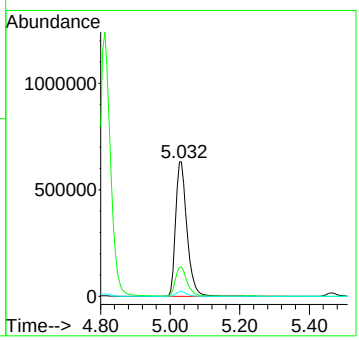


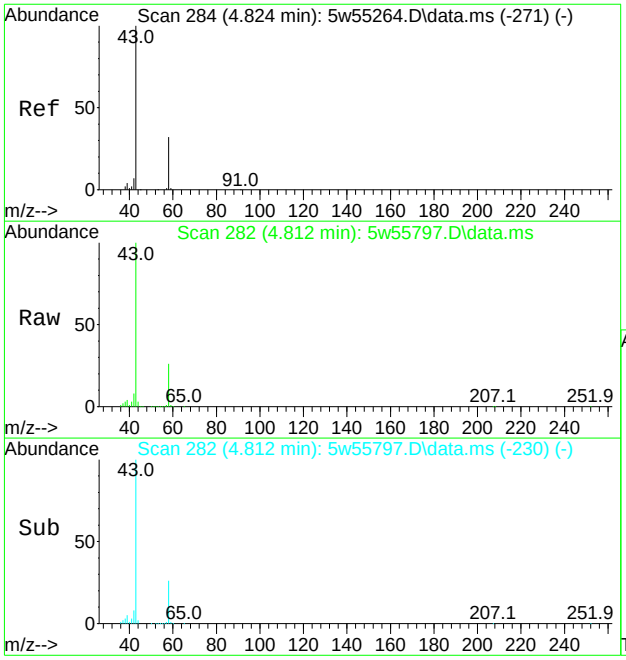


#22
ISOPROPYL ALCOHOL
Concen: 30.4421 PPBV
RT: 5.032 min Scan# 318
Delta R.T. -0.000 min
Lab File: 5w55797.D
Acq: 21 Dec 2024 3:54 am

Tgt Ion: 45 Resp: 1431104

Ion	Ratio	Lower	Upper
45	100		
43	21.9	0.0	50.8
59	3.6	0.0	33.8

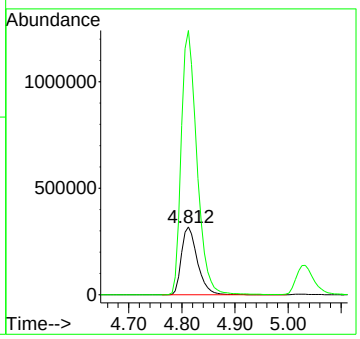


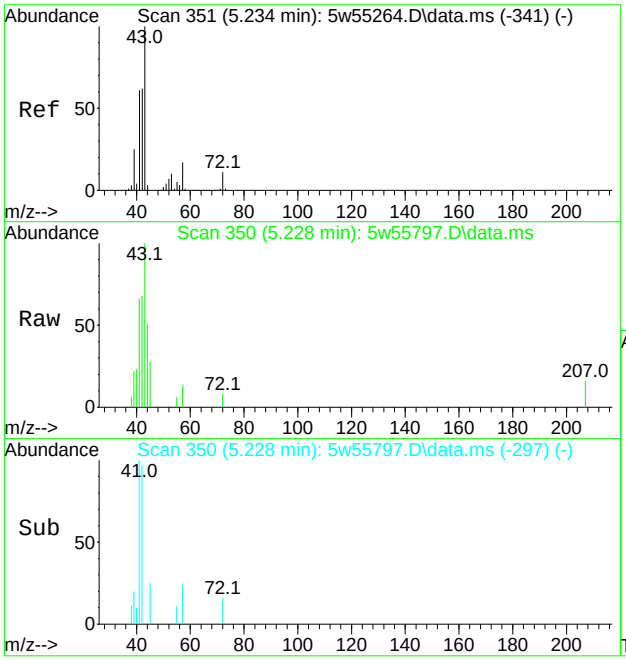


#23
ACETONE
Concen: 37.4463 PPBV
RT: 4.812 min Scan# 282
Delta R.T. -0.012 min
Lab File: 5w55797.D
Acq: 21 Dec 2024 3:54 am

Tgt Ion: 58 Resp: 663541

Ion	Ratio	Lower	Upper
58	100		
43	383.0	312.3	372.3#

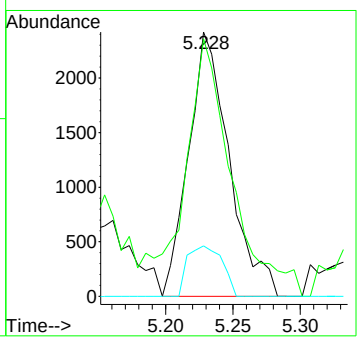


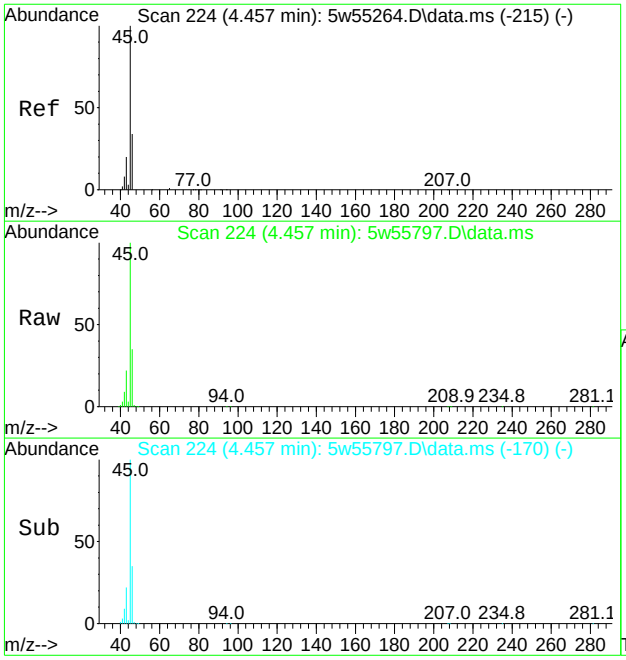


#24
PENTANE
Concen: 0.2180 PPBV
RT: 5.228 min Scan# 350
Delta R.T. -0.006 min
Lab File: 5w55797.D
Acq: 21 Dec 2024 3:54 am

Tgt Ion: 42 Resp: 5092

Ion	Ratio	Lower	Upper
42	100		
41	105.4	64.4	124.4
57	16.3	0.0	55.0

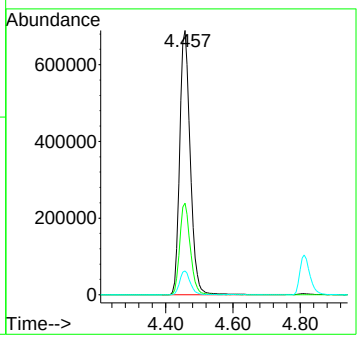


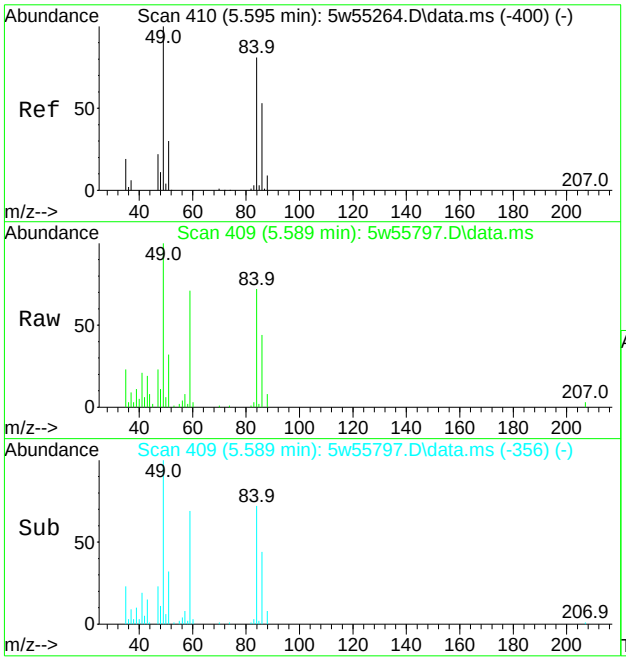


#28
ETHANOL
Concen: 87.3529 PPBV
RT: 4.457 min Scan# 224
Delta R.T. -0.000 min
Lab File: 5w55797.D
Acq: 21 Dec 2024 3:54 am

Tgt Ion: 45 Resp: 1505030

Ion	Ratio	Lower	Upper
45	100		
46	34.8	4.5	64.5
42	9.2	0.0	38.6

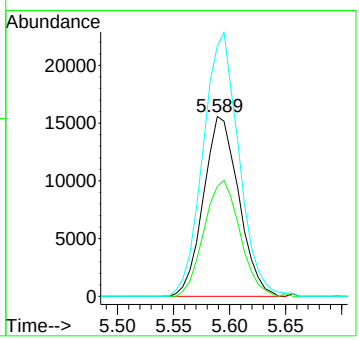


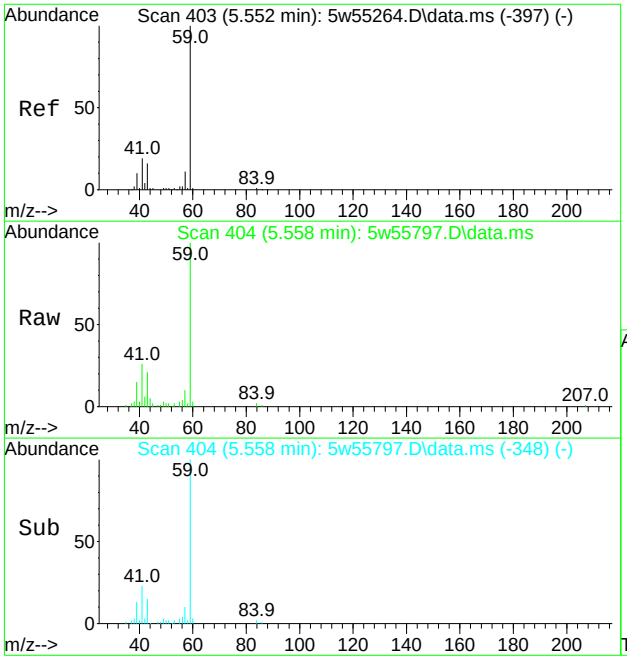


#31
METHYLENE CHLORIDE
Concen: 1.4854 PPBV
RT: 5.589 min Scan# 409
Delta R.T. -0.006 min
Lab File: 5w55797.D
Acq: 21 Dec 2024 3:54 am

Tgt Ion: 84 Resp: 34228

Ion	Ratio	Lower	Upper
84	100		
86	65.7	34.0	94.0
49	148.6	105.8	165.8

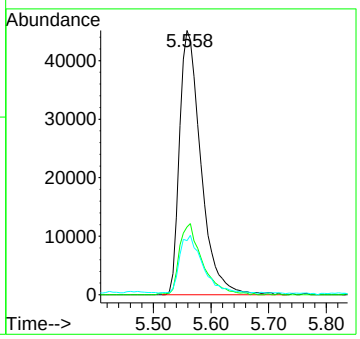


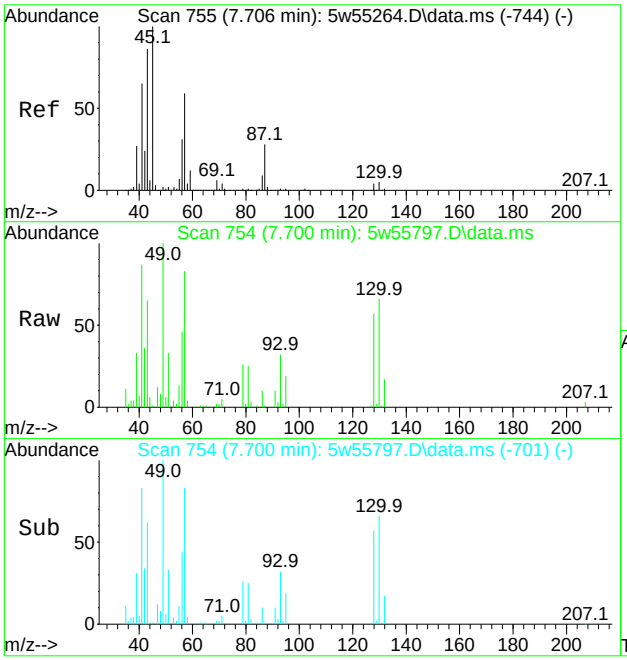


#35
TERTIARY BUTYL ALCOHOL
Concen: 2.6380 PPBV
RT: 5.558 min Scan# 404
Delta R.T. 0.012 min
Lab File: 5w55797.D
Acq: 21 Dec 2024 3:54 am

Tgt Ion: 59 Resp: 116658

Ion	Ratio	Lower	Upper
59	100		
41	28.8	0.0	53.1
43	27.3	0.0	47.1

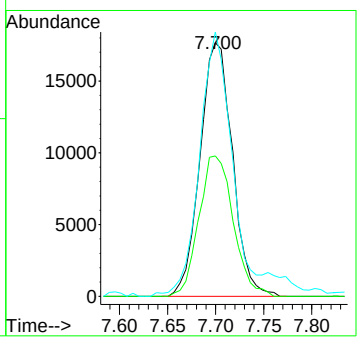


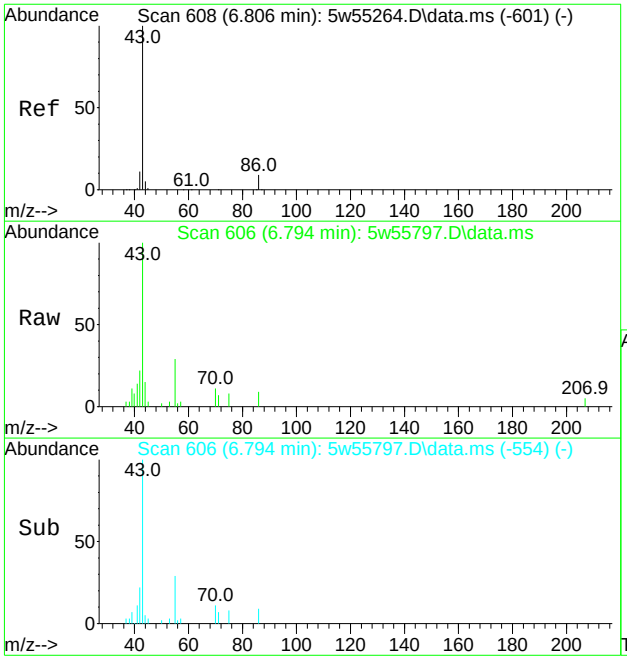


#38
HEXANE
Concen: 1.2084 PPBV
RT: 7.700 min Scan# 754
Delta R.T. -0.006 min
Lab File: 5w55797.D
Acq: 21 Dec 2024 3:54 am

Tgt Ion: 57 Resp: 41598

Ion	Ratio	Lower	Upper
57	100		
56	58.6	24.2	84.2
41	113.4	92.1	152.1

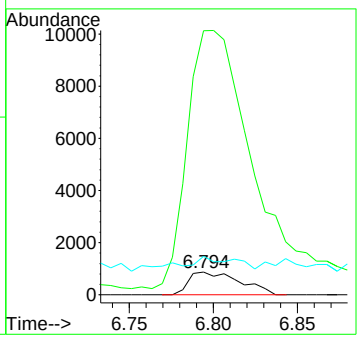


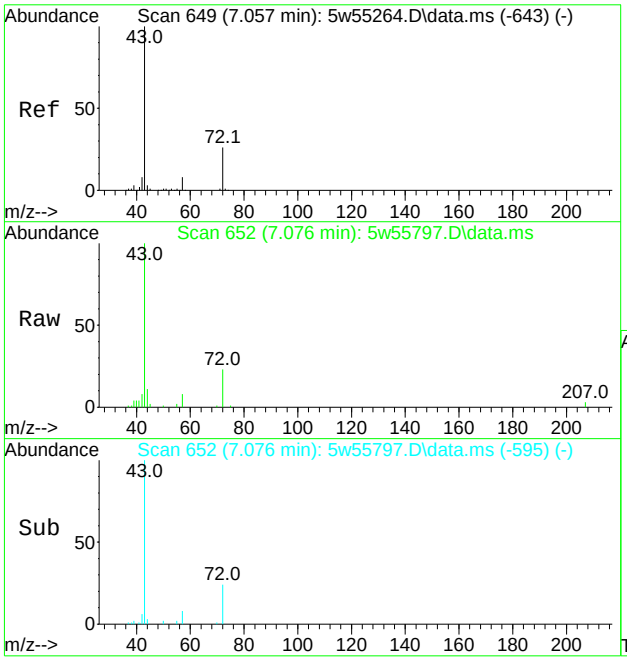


#39
VINYL ACETATE
Concen: 0.4699 PPBV
RT: 6.794 min Scan# 606
Delta R.T. -0.012 min
Lab File: 5w55797.D
Acq: 21 Dec 2024 3:54 am

Tgt Ion: 86 Resp: 1849

Ion	Ratio	Lower	Upper
86	100		
43	1579.9	1335.5	1395.5#
44	48.0	40.9	100.9

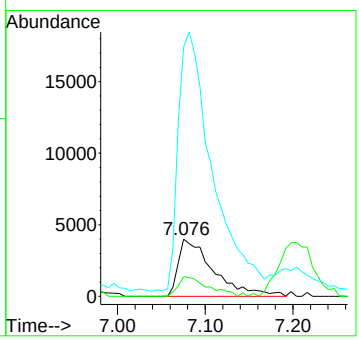


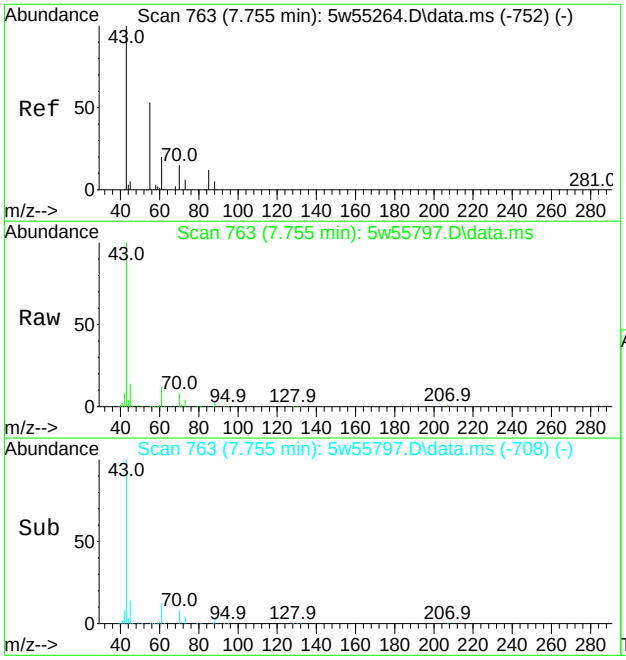


#41
METHYL ETHYL KETONE
Concen: 1.1677 PPBV
RT: 7.076 min Scan# 652
Delta R.T. 0.018 min
Lab File: 5w55797.D
Acq: 21 Dec 2024 3:54 am

Tgt Ion: 72 Resp: 11128

Ion	Ratio	Lower	Upper
72	100		
57	34.5	1.1	61.1
43	435.4	390.6	450.6

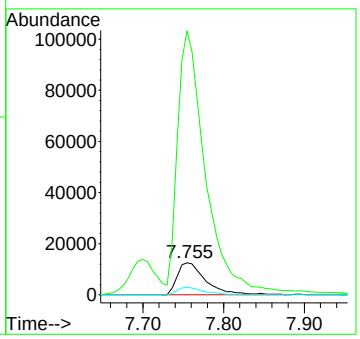


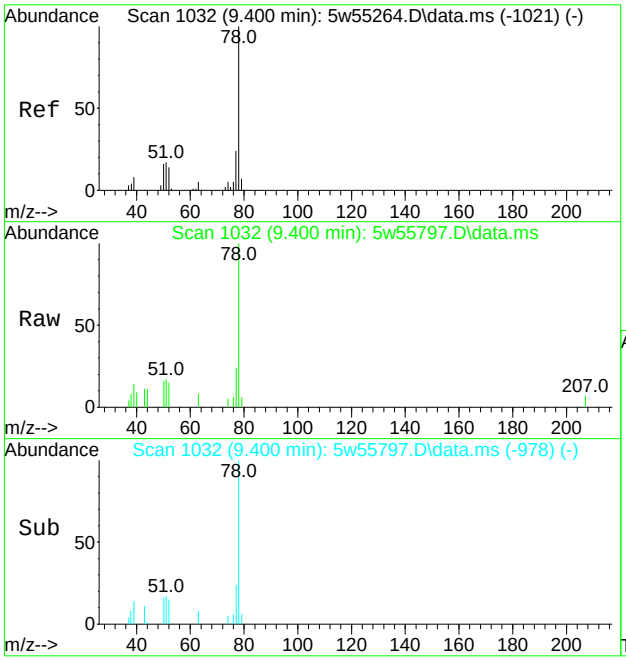


#44
ETHYL ACETATE
Concen: 4.3602 PPBV
RT: 7.755 min Scan# 763
Delta R.T. 0.006 min
Lab File: 5w55797.D
Acq: 21 Dec 2024 3:54 am

Tgt Ion: 61 Resp: 30653

Ion	Ratio	Lower	Upper
61	100		
43	804.0	0.0	30.0#
88	21.3	7.3	67.3

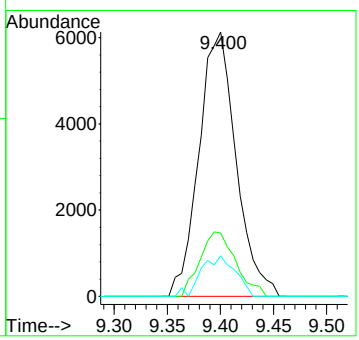


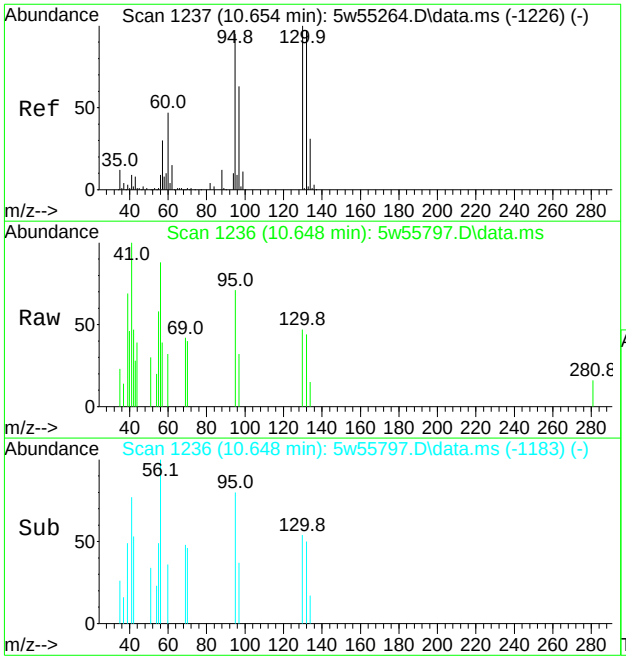


#52
BENZENE
Concen: 0.1912 PPBV
RT: 9.400 min Scan# 1032
Delta R.T. -0.000 min
Lab File: 5w55797.D
Acq: 21 Dec 2024 3:54 am

Tgt Ion: 78 Resp: 14933

Ion	Ratio	Lower	Upper
78	100		
77	23.5	0.0	54.0
52	14.1	0.0	45.6

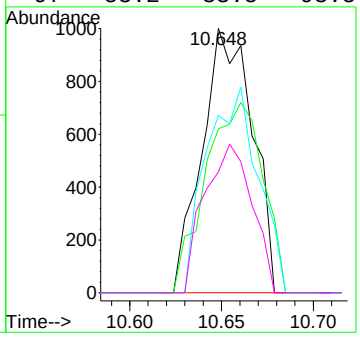


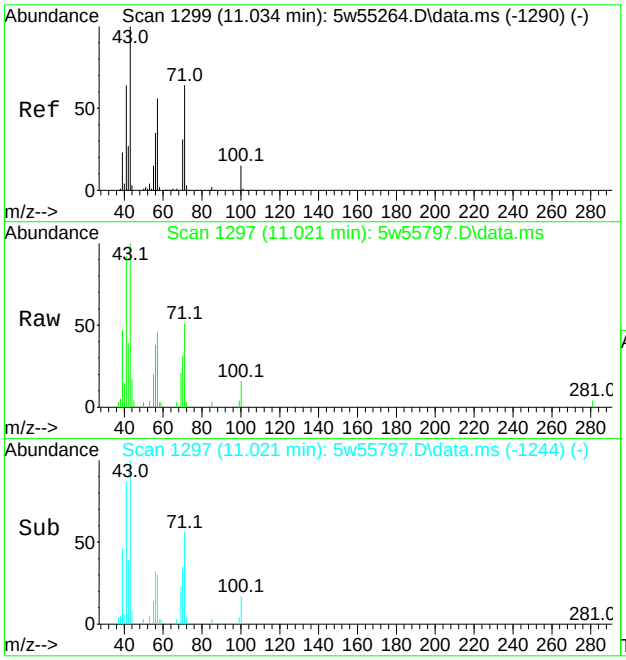


#55
TRICHLOROETHYLENE
Concen: 0.0465 PPBV
RT: 10.648 min Scan# 1236
Delta R.T. -0.006 min
Lab File: 5w55797.D
Acq: 21 Dec 2024 3:54 am

Tgt Ion: 95 Resp: 1915

Ion	Ratio	Lower	Upper
95	100		
132	82.2	60.0	120.0
130	79.7	64.1	124.1
97	53.2	33.5	93.5

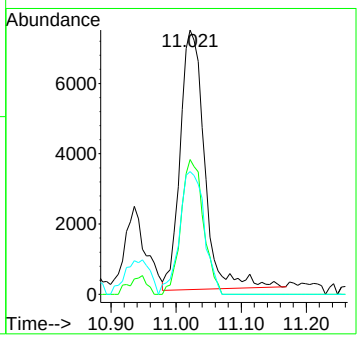


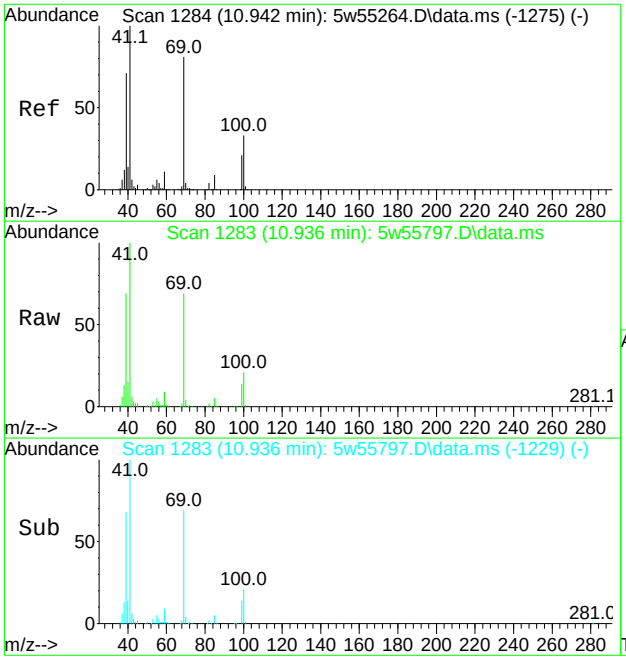


#62
HEPTANE
Concen: 0.4634 PPBV
RT: 11.021 min Scan# 1297
Delta R.T. -0.006 min
Lab File: 5w55797.D
Acq: 21 Dec 2024 3:54 am

Tgt Ion: 43 Resp: 19199

Ion	Ratio	Lower	Upper
43	100		
71	47.8	27.2	87.2
57	48.1	22.5	82.5

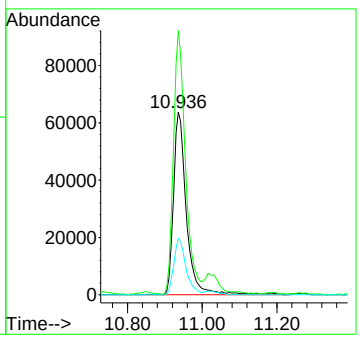


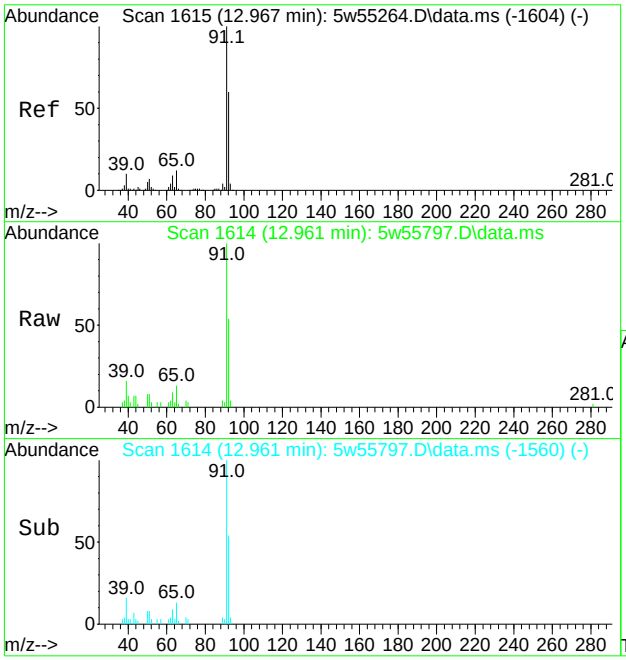


#63
METHYL METHACRYLATE
Concen: 5.8860 PPBV
RT: 10.936 min Scan# 1283
Delta R.T. -0.000 min
Lab File: 5w55797.D
Acq: 21 Dec 2024 3:54 am

Tgt Ion: 69 Resp: 152860

Ion	Ratio	Lower	Upper
69	100		
41	135.1	97.3	157.3
100	29.3	3.0	63.0

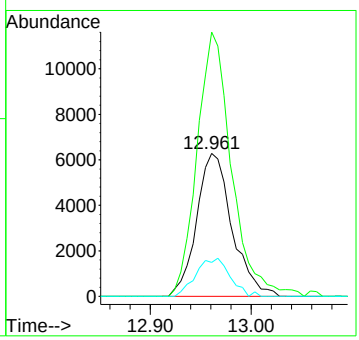


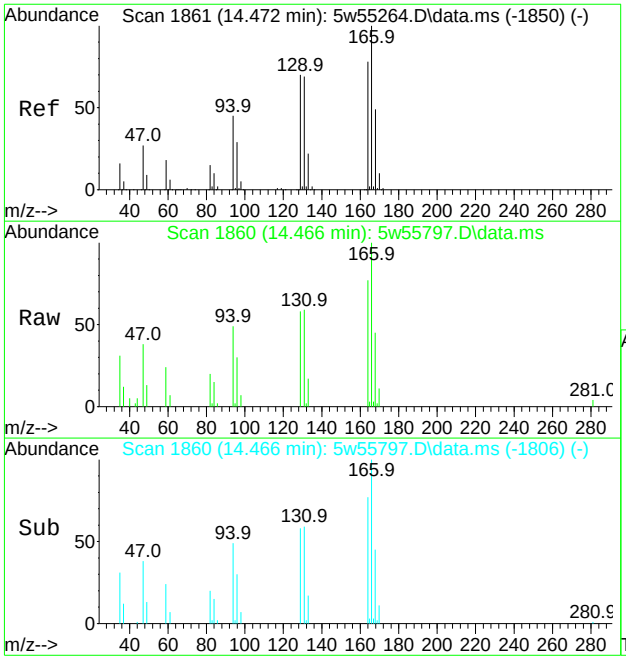


#66
TOLUENE
Concen: 0.2803 PPBV
RT: 12.961 min Scan# 1614
Delta R.T. -0.000 min
Lab File: 5w55797.D
Acq: 21 Dec 2024 3:54 am

Tgt Ion: 92 Resp: 15318

Ion	Ratio	Lower	Upper
92	100		
91	180.1	143.4	203.4
65	25.6	0.0	53.8

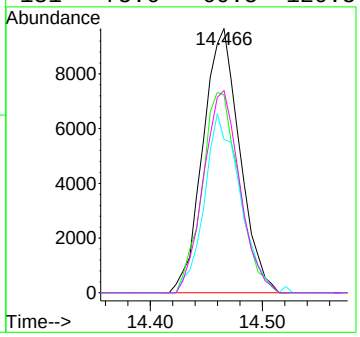


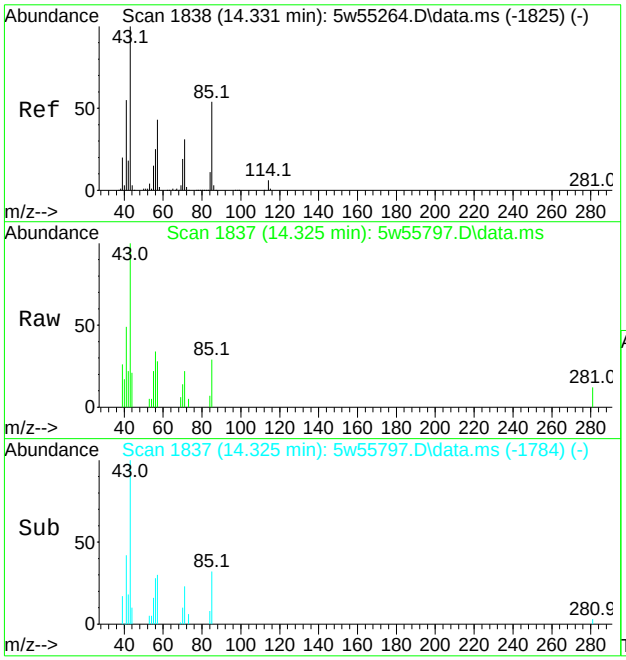


#73
TETRACHLOROETHYLENE
Concen: 0.5643 PPBV
RT: 14.466 min Scan# 1860
Delta R.T. -0.000 min
Lab File: 5w55797.D
Acq: 21 Dec 2024 3:54 am

Tgt Ion:164 Resp: 22029

Ion	Ratio	Lower	Upper
164	100		
129	76.1	64.4	124.4
168	65.8	31.2	91.2
131	75.6	60.5	120.5

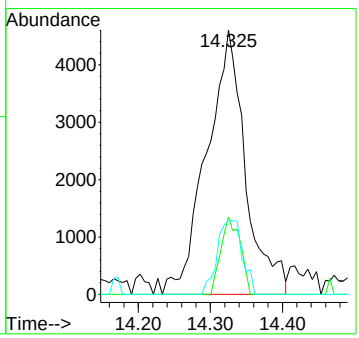




#76
OCTANE
Concen: 0.3285 PPBV
RT: 14.325 min Scan# 1837
Delta R.T. -0.006 min
Lab File: 5w55797.D
Acq: 21 Dec 2024 3:54 am

Tgt Ion: 43 Resp: 17246

Ion	Ratio	Lower	Upper
43	100		
85	14.6	13.7	73.7
57	18.2	9.9	69.9



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\01-07-2025\V7W414\
Data File : 7w11545.D
Acq On : 7 Jan 2025 3:36 am
Operator : benk
Sample : je2491-4 Inst : MS7W
Misc : MS88104,v7w414,5,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 07 19:59:59 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

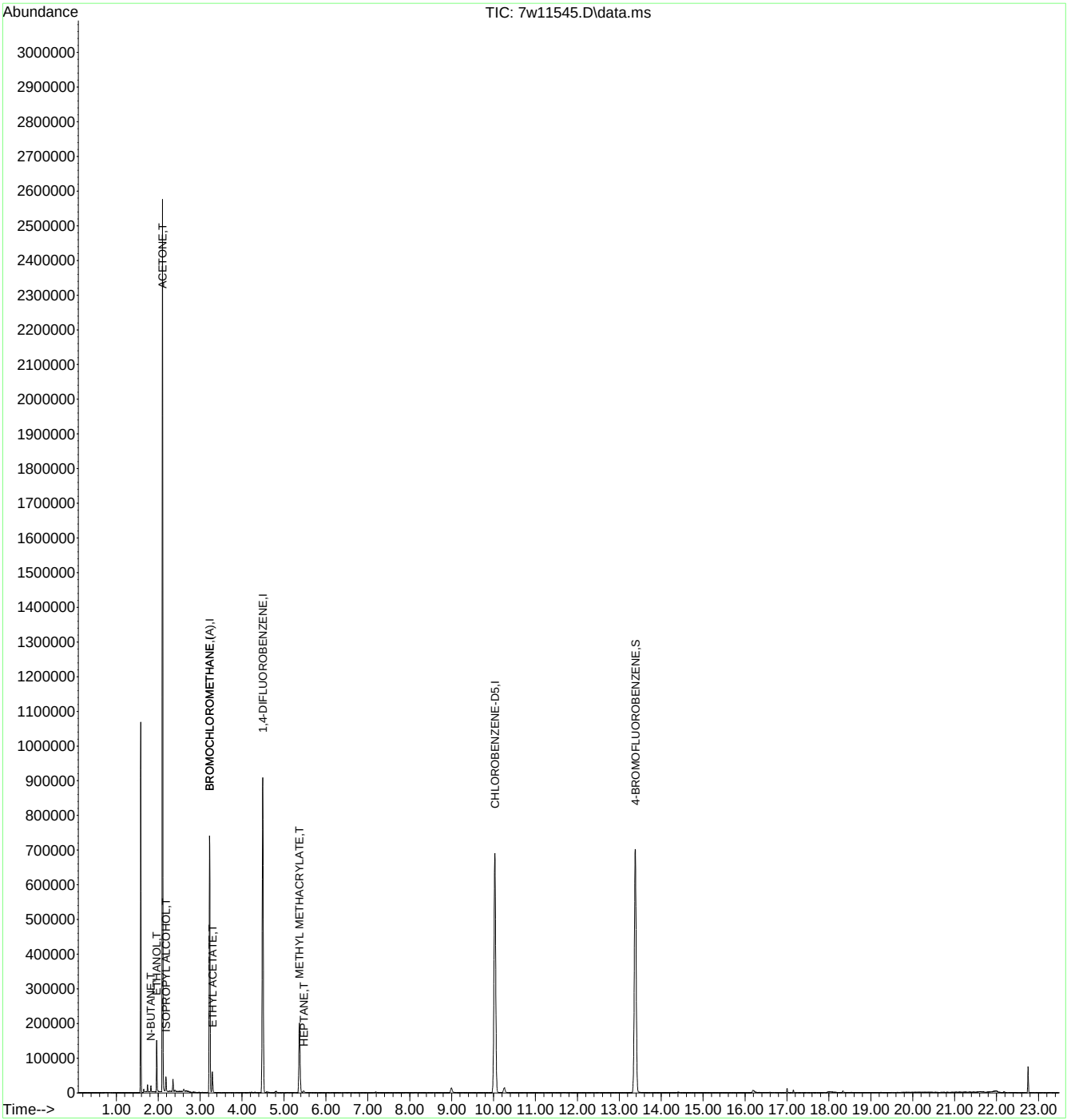
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.226	128	129627	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.493	114	634201	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.030	117	600502	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.226	128	129627	10.00	PPBV	0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.383	95	429372	9.85	PPBV	0.00
Target Compounds						Qvalue
13) N-BUTANE	1.824	43	7317	0.4352	PPBV #	73
22) ISOPROPYL ALCOHOL	2.184	45	31017	1.2916	PPBV #	85
23) ACETONE	2.101	58	498483	66.1869	PPBV	97
28) ETHANOL	1.962	45	85041	12.9363	PPBV	100
44) ETHYL ACETATE	3.290	61	6539	1.5986	PPBV #	1
62) HEPTANE	5.470	43	4281	0.1997	PPBV #	55
63) METHYL METHACRYLATE	5.367	69	75648	5.4920	PPBV	89

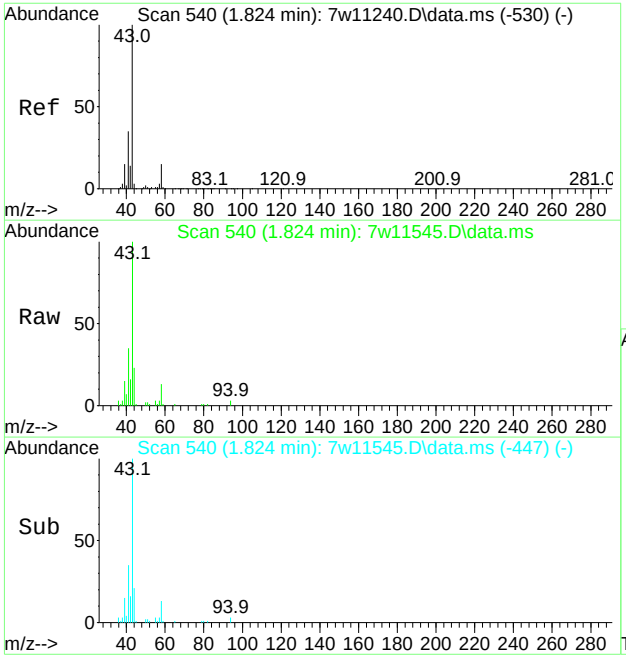
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\01-07-2025\V7W414\
Data File : 7w11545.D
Acq On : 7 Jan 2025 3:36 am
Operator : benk
Sample : je2491-4 Inst : MS7W
Misc : MS88104,v7w414,5,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 07 19:59:59 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

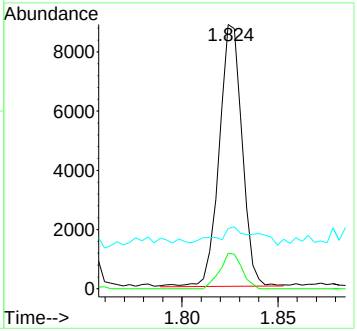


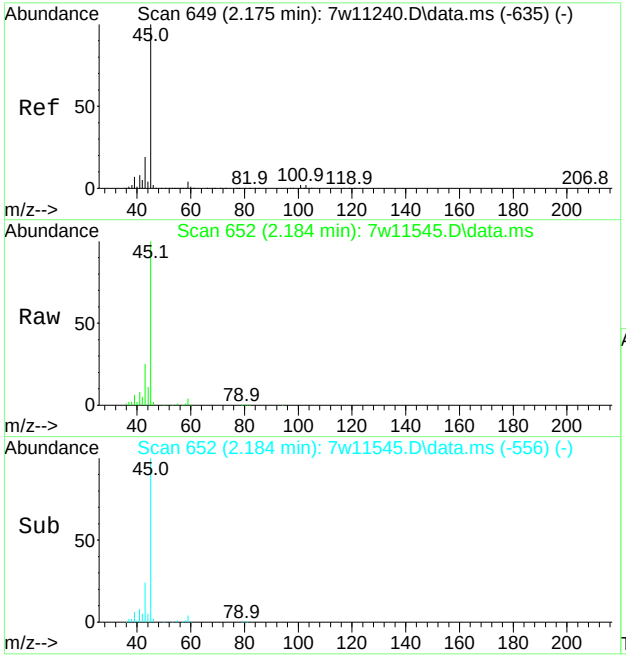


#13
N-BUTANE
Concen: 0.4352 PPBV
RT: 1.824 min Scan# 540
Delta R.T. 0.000 min
Lab File: 7w11545.D
Acq: 7 Jan 2025 3:36 am

Tgt Ion: 43 Resp: 7317

Ion	Ratio	Lower	Upper
43	100		
58	13.2	10.4	19.2
44	39.0	3.0	5.6#

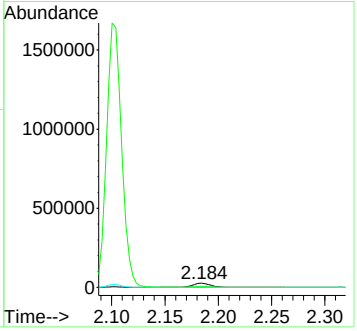


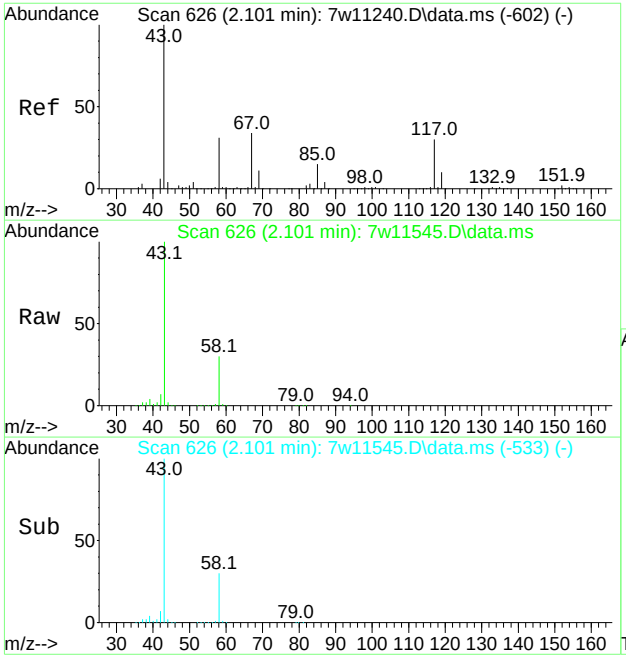


#22
ISOPROPYL ALCOHOL
Concen: 1.2916 PPBV
RT: 2.184 min Scan# 652
Delta R.T. 0.009 min
Lab File: 7w11545.D
Acq: 7 Jan 2025 3:36 am

Tgt Ion: 45 Resp: 31017

Ion	Ratio	Lower	Upper
45	100		
43	28.1	13.9	25.9#
59	3.9	2.8	5.2

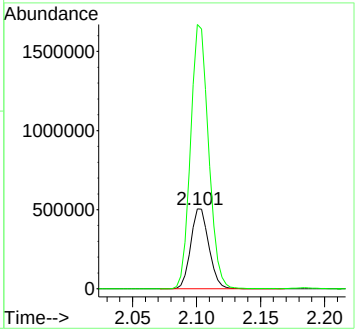


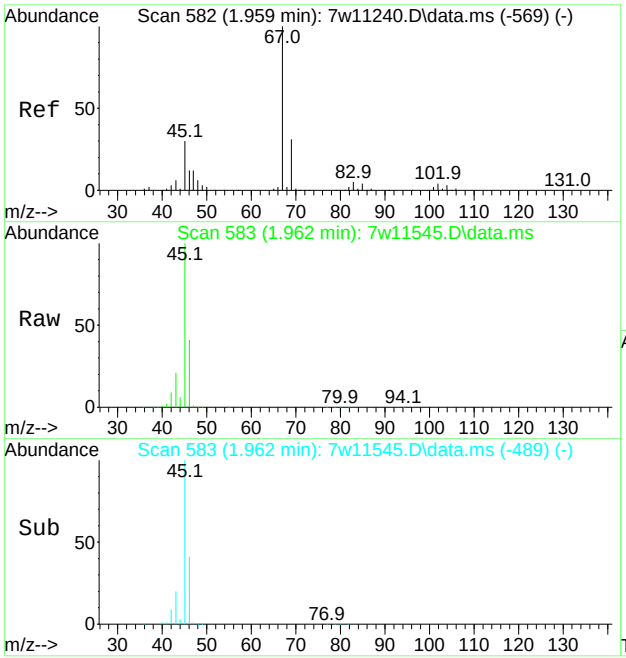


#23
ACETONE
Concen: 66.1869 PPBV
RT: 2.101 min Scan# 626
Delta R.T. -0.000 min
Lab File: 7w11545.D
Acq: 7 Jan 2025 3:36 am

Tgt Ion: 58 Resp: 498483

Ion	Ratio	Lower	Upper
58	100		
43	328.5	234.4	435.2

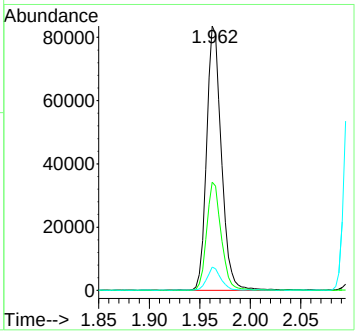


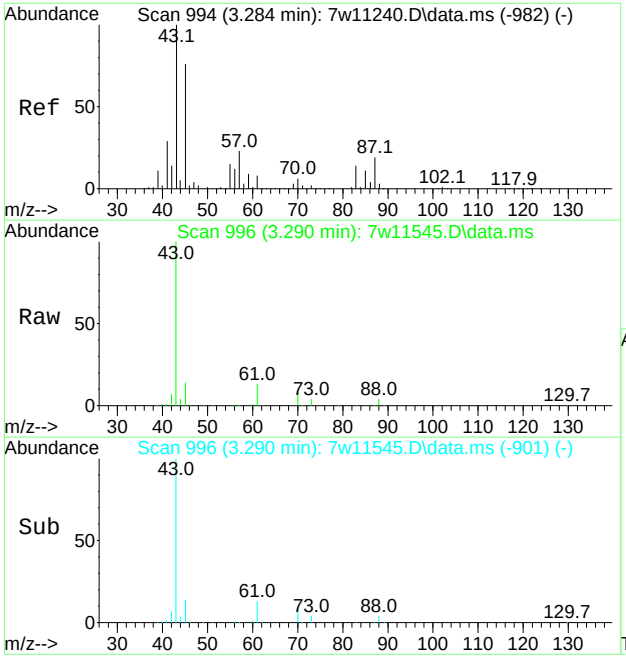


#28
ETHANOL
Concen: 12.9363 PPBV
RT: 1.962 min Scan# 583
Delta R.T. 0.003 min
Lab File: 7w11545.D
Acq: 7 Jan 2025 3:36 am

Tgt Ion: 45 Resp: 85041

Ion	Ratio	Lower	Upper
45	100		
46	40.6	28.6	53.0
42	8.6	6.3	11.7

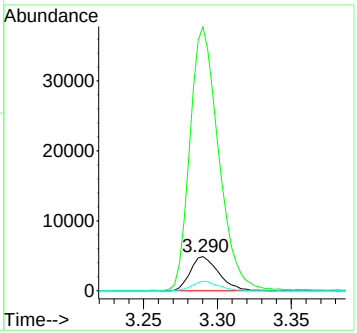


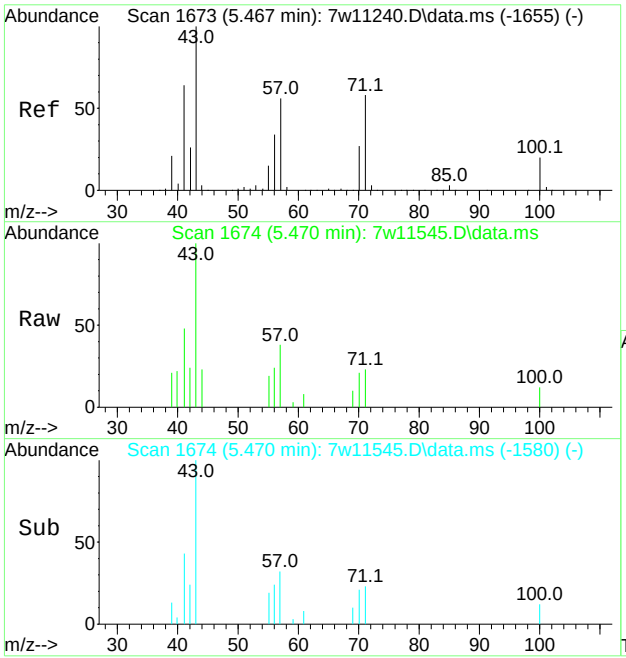


#44
ETHYL ACETATE
Concen: 1.5986 PPBV
RT: 3.290 min Scan# 996
Delta R.T. 0.006 min
Lab File: 7w11545.D
Acq: 7 Jan 2025 3:36 am

Tgt Ion: 61 Resp: 6539

Ion	Ratio	Lower	Upper
61	100		
43	789.4	1005.1	1866.5#
88	26.7	29.3	54.5#

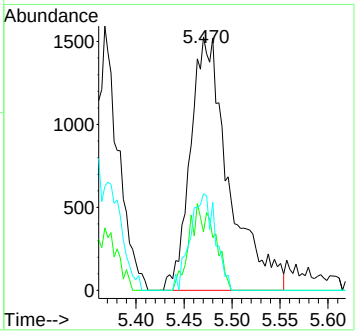


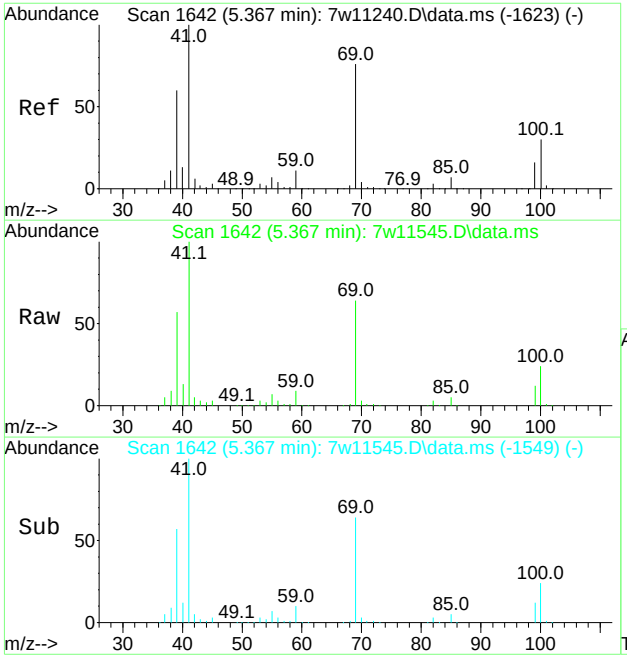


#62
HEPTANE
Concen: 0.1997 PPBV
RT: 5.470 min Scan# 1674
Delta R.T. 0.003 min
Lab File: 7w11545.D
Acq: 7 Jan 2025 3:36 am

Tgt Ion: 43 Resp: 4281

Ion	Ratio	Lower	Upper
43	100		
71	22.3	40.0	74.4#
57	25.1	38.9	72.2#

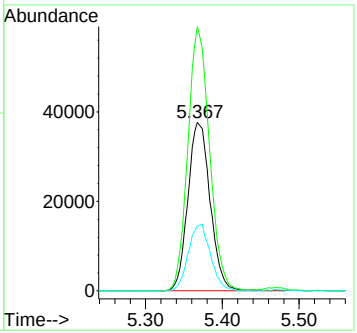




#63
METHYL METHACRYLATE
Concen: 5.4920 PPBV
RT: 5.367 min Scan# 1642
Delta R.T. 0.000 min
Lab File: 7w11545.D
Acq: 7 Jan 2025 3:36 am

Tgt Ion: 69 Resp: 75648

Ion	Ratio	Lower	Upper
69	100		
41	152.2	95.5	177.4
100	39.4	28.3	52.7



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\010925\v7w415\
Data File : 7w11594.D
Acq On : 8 Jan 2025 8:22 pm
Operator : benk
Sample : je2491-4(a1688,m143) Inst : MS7W
Misc : MS88104,v7w415,400,,,,143
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jan 09 04:37:32 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

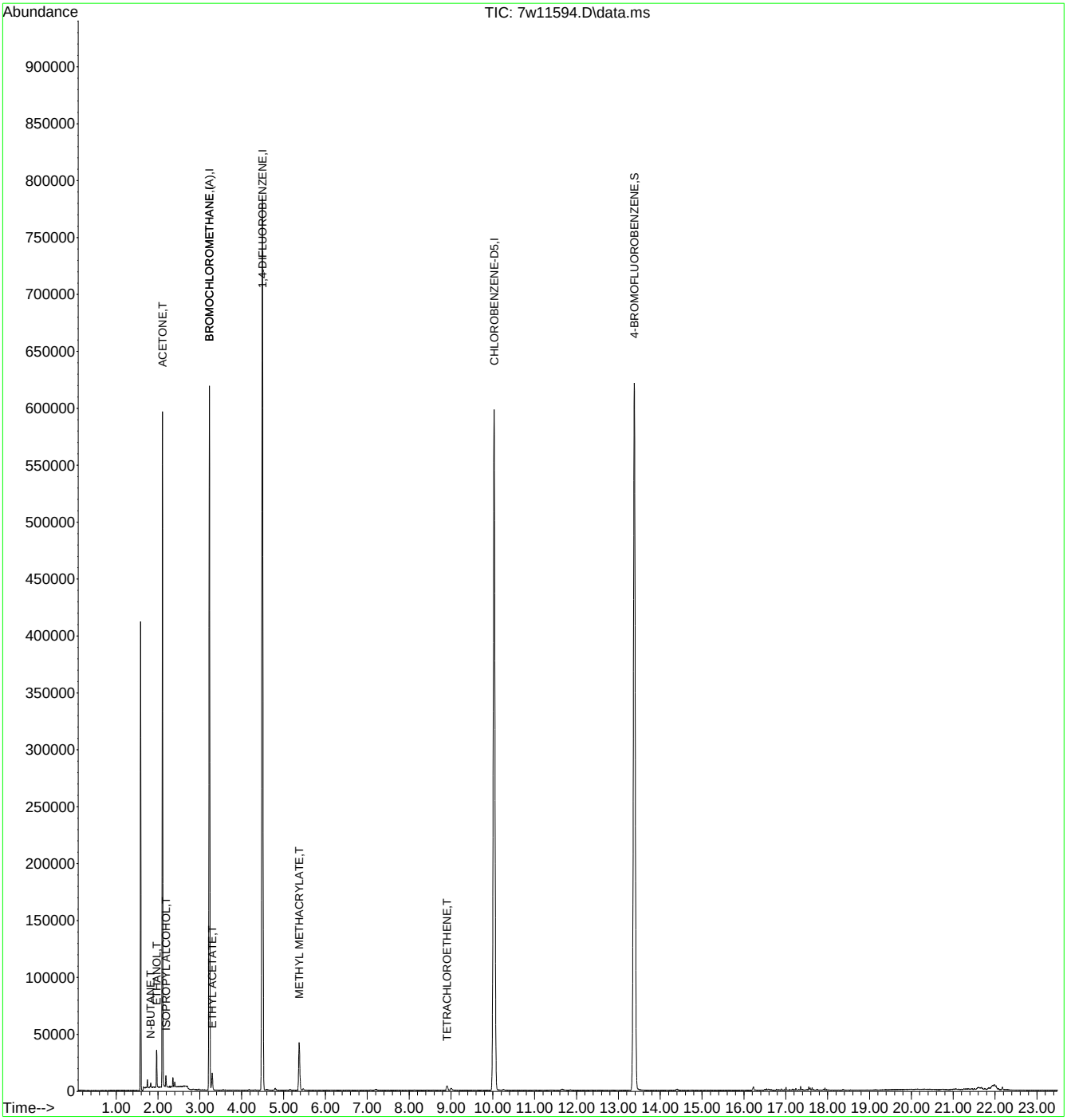
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.229	128	117130	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.496	114	572033	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.029	117	544669	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.229	128	117130	10.00	PPBV	0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.380	95	391283	9.90	PPBV	0.00
Target Compounds						Qvalue
13) N-BUTANE	1.827	43	2349	0.1546	PPBV #	34
22) ISOPROPYL ALCOHOL	2.187	45	6865	0.3164	PPBV #	78
23) ACETONE	2.107	58	116563	17.1281	PPBV	88
28) ETHANOL	1.969	45	19182	3.2293	PPBV	99
44) ETHYL ACETATE	3.293	61	1709	0.4624	PPBV #	1
63) METHYL METHACRYLATE	5.374	69	17247	1.3882	PPBV	98
72) TETRACHLOROETHENE	8.904	164	1493	0.0975	PPBV	96

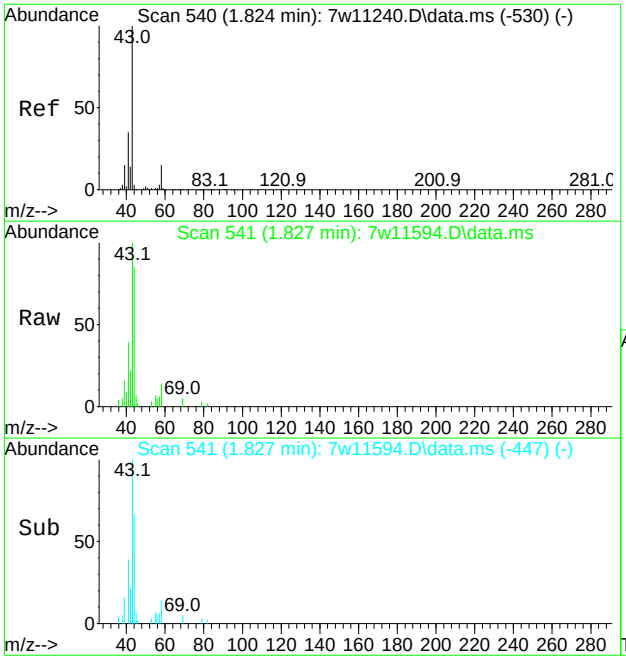
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\010925\v7w415\
Data File : 7w11594.D
Acq On : 8 Jan 2025 8:22 pm
Operator : benk
Sample : je2491-4(a1688,m143) Inst : MS7W
Misc : MS88104,v7w415,400,,,,143
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jan 09 04:37:32 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

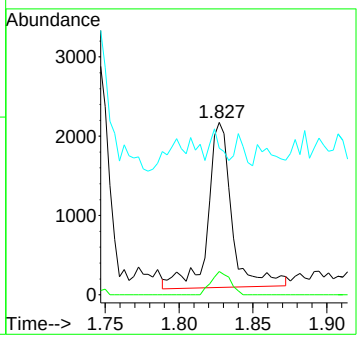


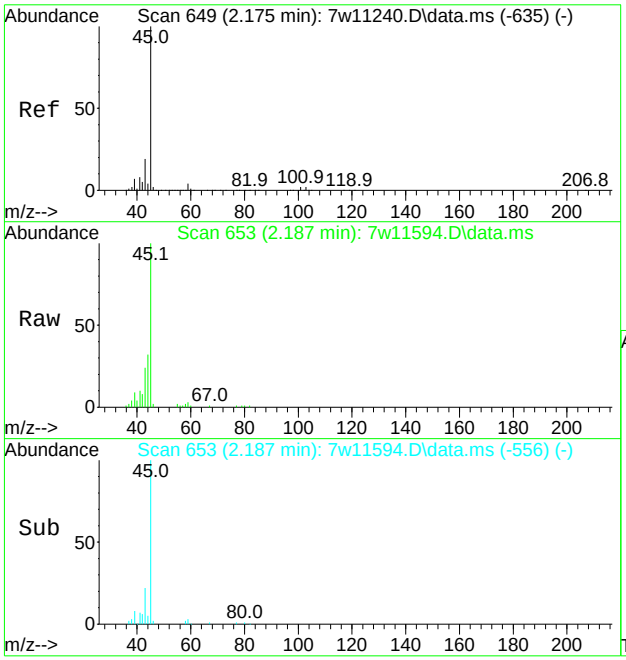


#13
N-BUTANE
Concen: 0.1546 PPBV
RT: 1.827 min Scan# 541
Delta R.T. 0.003 min
Lab File: 7w11594.D
Acq: 8 Jan 2025 8:22 pm

Tgt Ion: 43 Resp: 2349

Ion	Ratio	Lower	Upper
43	100		
58	11.3	10.4	19.2
44	90.8	3.0	5.6#

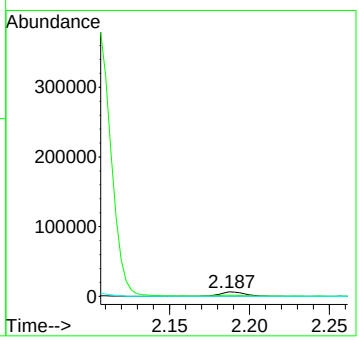


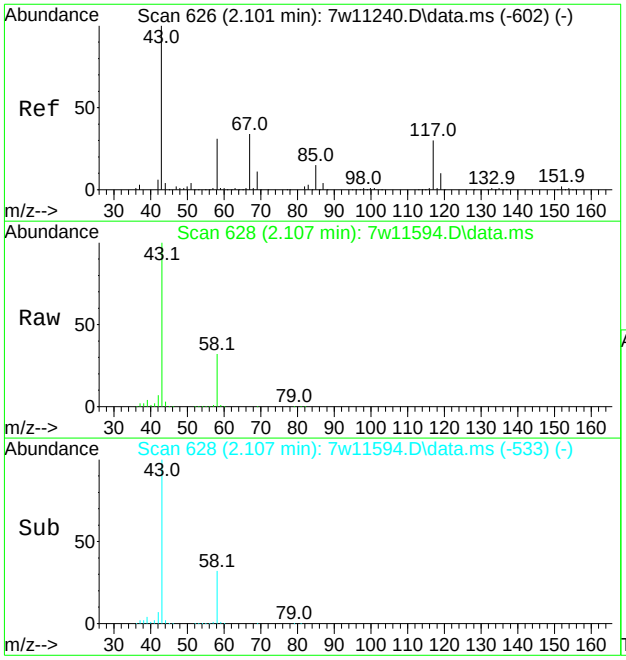


#22
ISOPROPYL ALCOHOL
Concen: 0.3164 PPBV
RT: 2.187 min Scan# 653
Delta R.T. 0.012 min
Lab File: 7w11594.D
Acq: 8 Jan 2025 8:22 pm

Tgt Ion: 45 Resp: 6865

Ion	Ratio	Lower	Upper
45	100		
43	32.2	13.9	25.9#
59	4.0	2.8	5.2

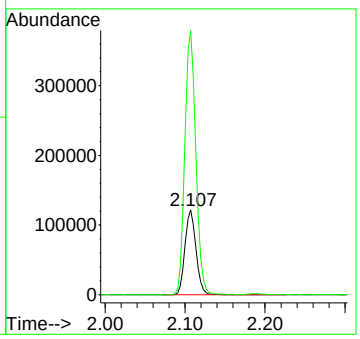


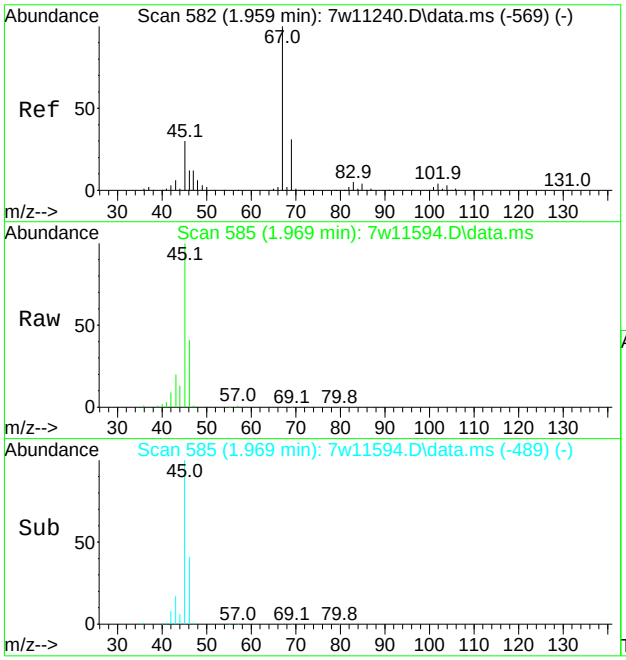


#23
ACETONE
Concen: 17.1281 PPBV
RT: 2.107 min Scan# 628
Delta R.T. 0.006 min
Lab File: 7w11594.D
Acq: 8 Jan 2025 8:22 pm

Tgt Ion: 58 Resp: 116563

Ion	Ratio	Lower	Upper
58	100		
43	310.5	234.4	435.2

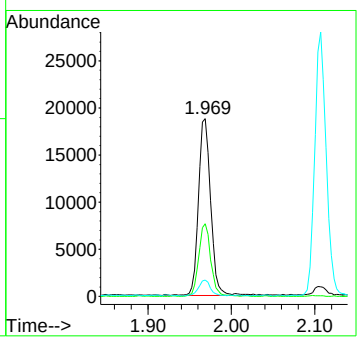


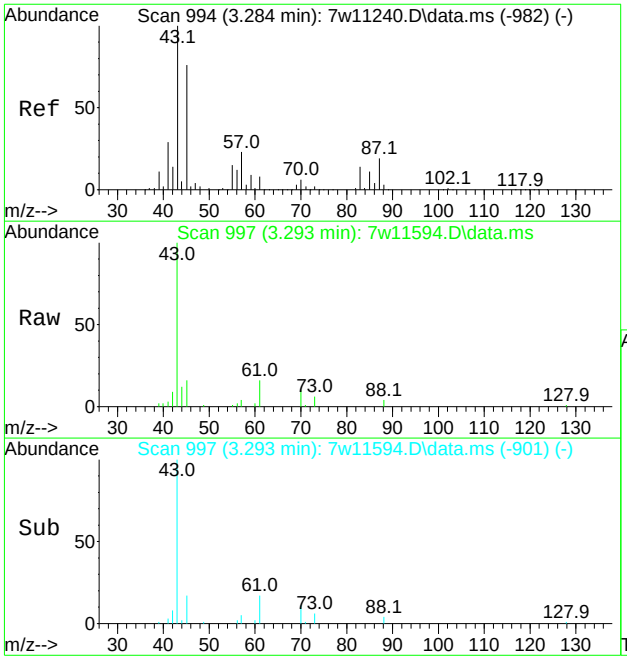


#28
ETHANOL
Concen: 3.2293 PPBV
RT: 1.969 min Scan# 585
Delta R.T. 0.010 min
Lab File: 7w11594.D
Acq: 8 Jan 2025 8:22 pm

Tgt Ion: 45 Resp: 19182

Ion	Ratio	Lower	Upper
45	100		
46	40.4	28.6	53.0
42	8.7	6.3	11.7

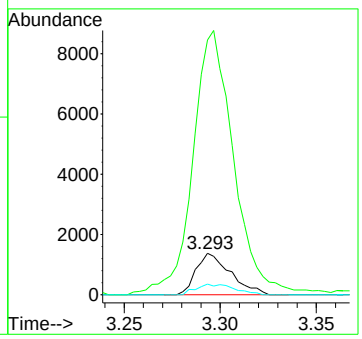


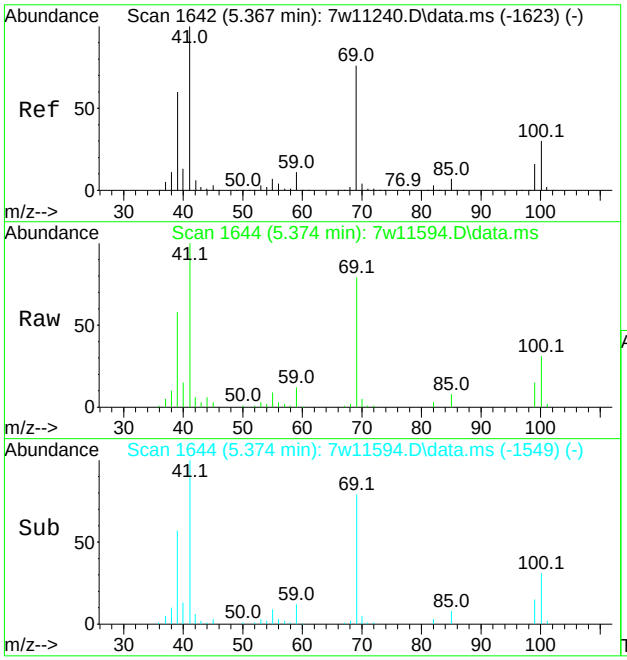


#44
ETHYL ACETATE
Concen: 0.4624 PPBV
RT: 3.293 min Scan# 997
Delta R.T. 0.009 min
Lab File: 7w11594.D
Acq: 8 Jan 2025 8:22 pm

Tgt Ion: 61 Resp: 1709

Ion	Ratio	Lower	Upper
61	100		
43	765.6	1005.1	1866.5#
88	28.8	29.3	54.5#

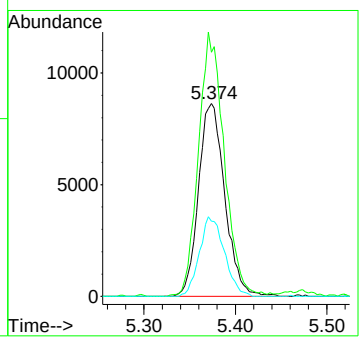


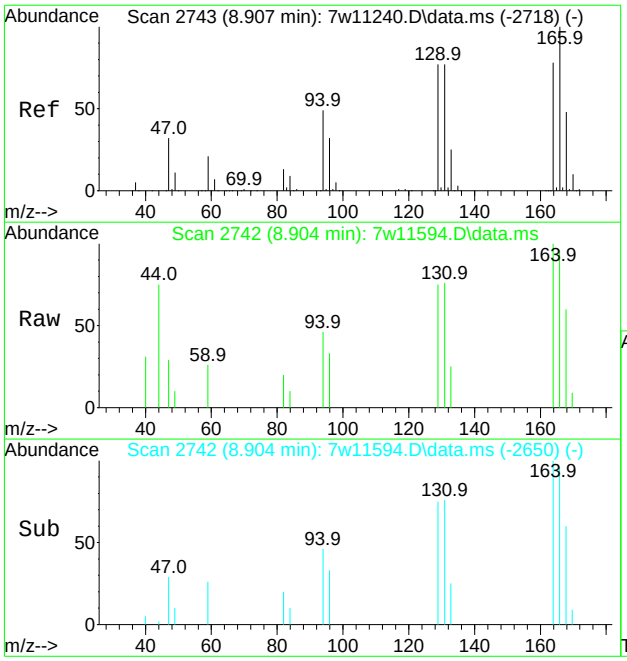


#63
METHYL METHACRYLATE
Concen: 1.3882 PPBV
RT: 5.374 min Scan# 1644
Delta R.T. 0.007 min
Lab File: 7w11594.D
Acq: 8 Jan 2025 8:22 pm

Tgt Ion: 69 Resp: 17247

Ion	Ratio	Lower	Upper
69	100		
41	134.5	95.5	177.4
100	39.1	28.3	52.7

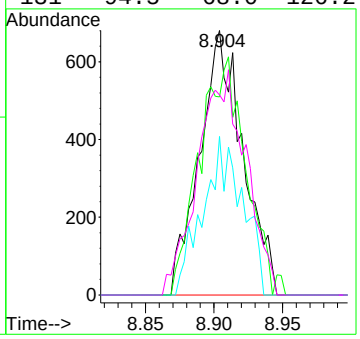




#72
TETRACHLOROETHENE
Concen: 0.0975 PPBV
RT: 8.904 min Scan# 2742
Delta R.T. -0.003 min
Lab File: 7w11594.D
Acq: 8 Jan 2025 8:22 pm

Tgt Ion:164 Resp: 1493

Ion	Ratio	Lower	Upper
164	100		
129	96.6	68.9	127.9
168	54.5	42.3	78.5
131	94.5	68.0	126.2



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55706.D
Acq On : 18 Dec 2024 12:51 am
Operator : thomash
Sample : mb Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 18 19:27:35 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

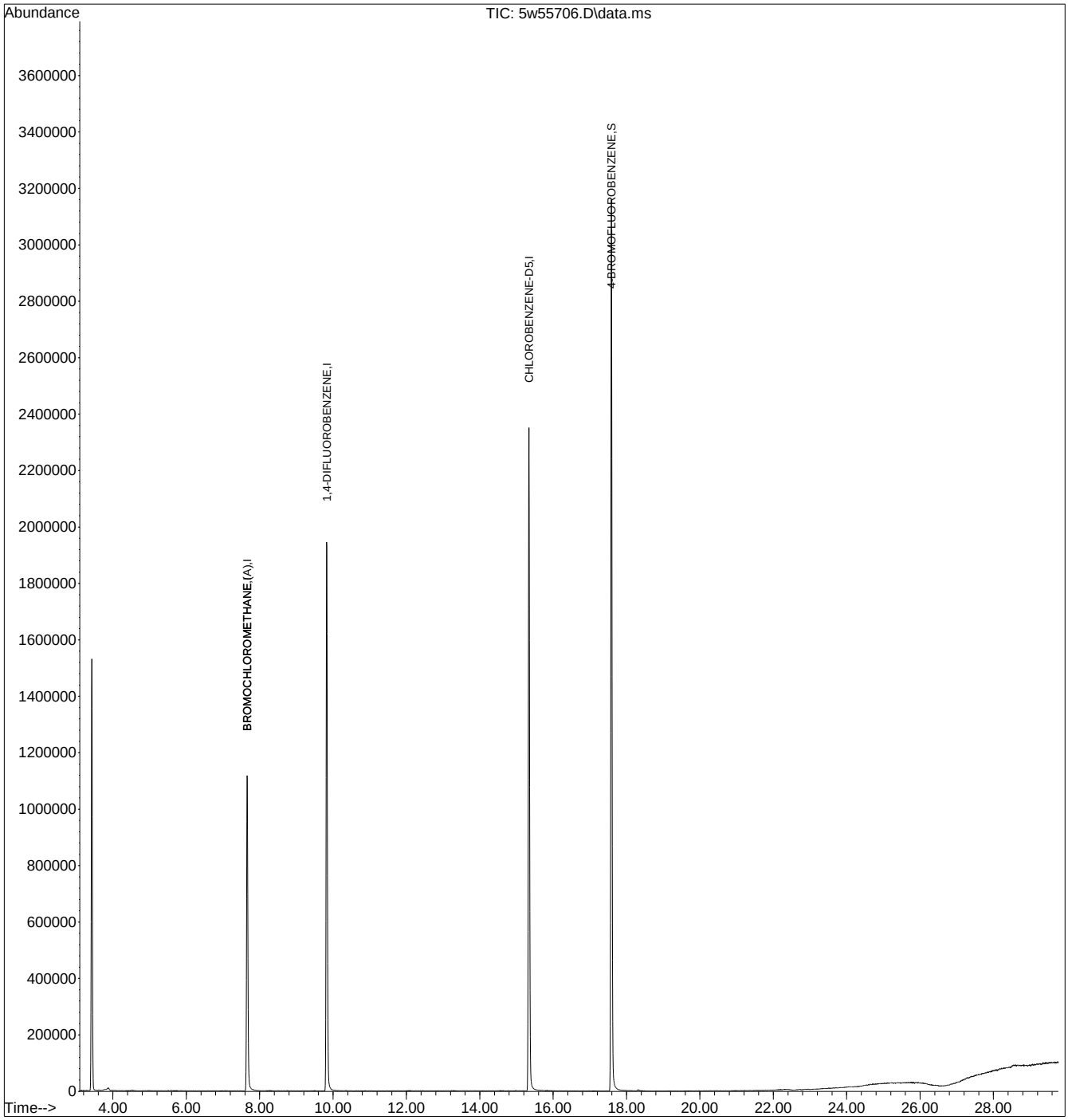
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	7.657	128	295908	10.00	PPBV	#-0.01
51) 1,4-DIFLUOROBENZENE	9.829	114	1754729	10.00	PPBV	0.00
70) CHLOROBENZENE-D5	15.341	82	953484	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	7.657	128	295908	10.00	PPBV	#-0.01
System Monitoring Compounds						
85) 4-BROMOFLUOROBENZENE	17.586	95	1170287	10.97	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 109.70%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55706.D
Acq On : 18 Dec 2024 12:51 am
Operator : thomash
Sample : mb Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 18 19:27:35 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55783.D
Acq On : 20 Dec 2024 5:06 pm
Operator : thomash
Sample : mb Inst : GCMS5W
Misc : MS88104,V5W2136,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 23 07:17:43 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

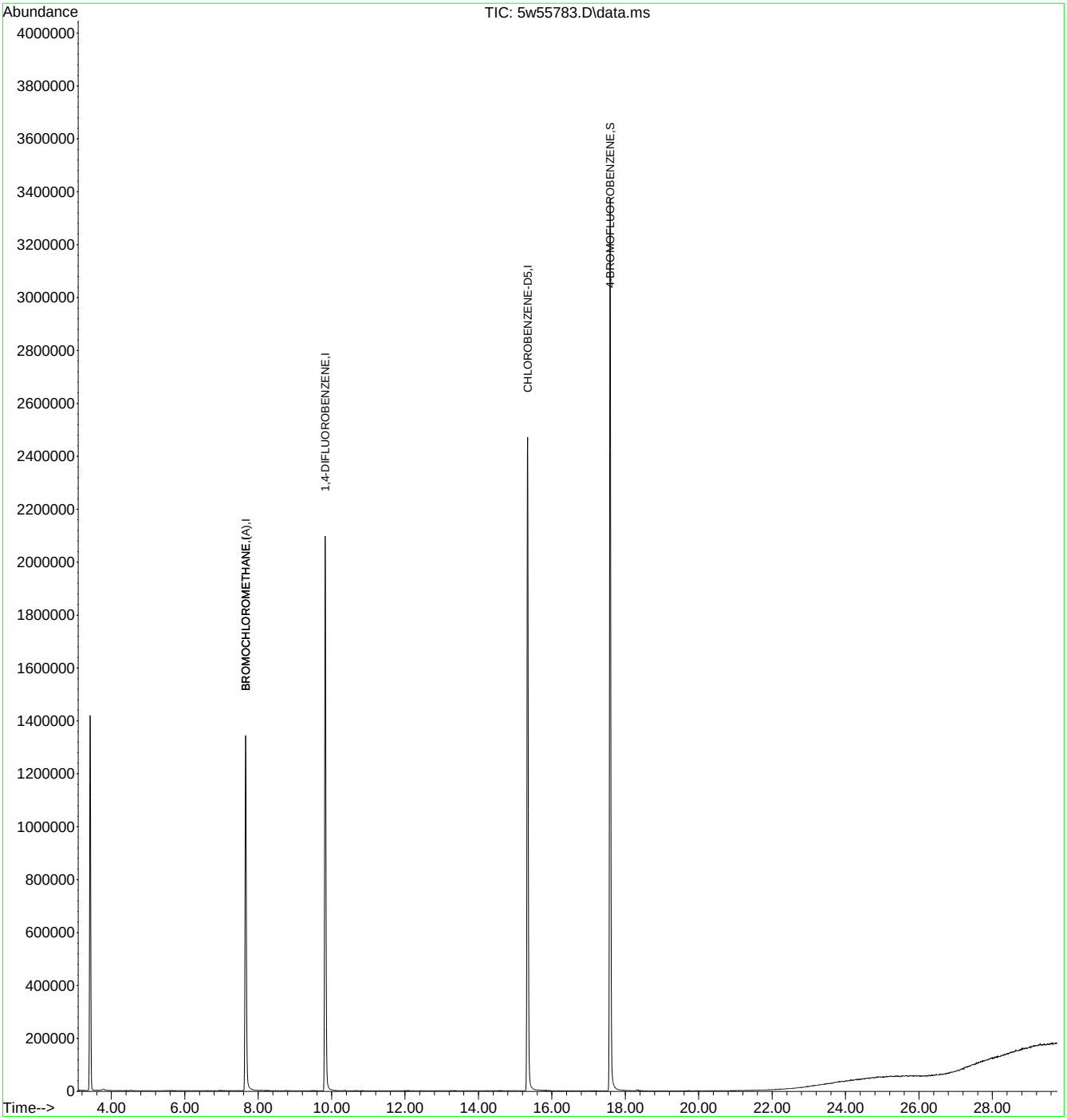
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	7.657	128	420264	10.00	PPBV	-0.01
51) 1,4-DIFLUOROBENZENE	9.823	114	1982756	10.00	PPBV	-0.01
70) CHLOROBENZENE-D5	15.341	82	1052285	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	7.657	128	420264	10.00	PPBV	#-0.01
System Monitoring Compounds						
85) 4-BROMOFLUOROBENZENE	17.586	95	1308462	11.11	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 111.10%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55783.D
Acq On : 20 Dec 2024 5:06 pm
Operator : thomash
Sample : mb Inst : GCMS5W
Misc : MS88104,V5W2136,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 23 07:17:43 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55823.D
Acq On : 23 Dec 2024 12:54 pm
Operator : thomash
Sample : mb Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 24 04:46:04 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

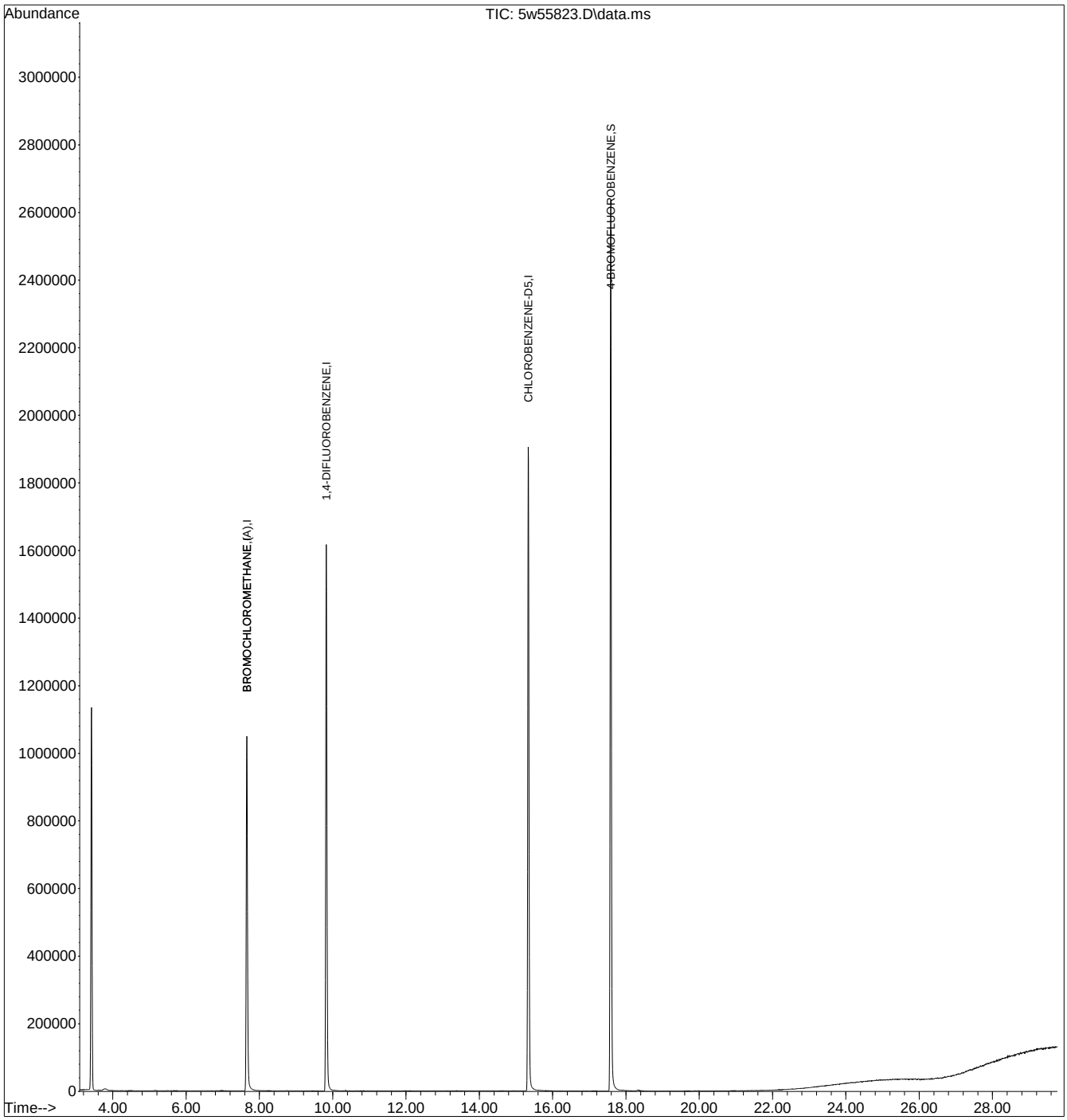
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	7.657	128	311710	10.00	PPBV	-0.01
51) 1,4-DIFLUOROBENZENE	9.822	114	1493158	10.00	PPBV	-0.01
70) CHLOROBENZENE-D5	15.334	82	781178	10.00	PPBV	-0.01
109) BROMOCHLOROMETHANE (A)	7.657	128	311710	10.00	PPBV	#-0.01
System Monitoring Compounds						
85) 4-BROMOFLUOROBENZENE	17.586	95	951244	10.88	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 108.80%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55823.D
Acq On : 23 Dec 2024 12:54 pm
Operator : thomash
Sample : mb Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 24 04:46:04 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Quantitation Report (QT/LSC Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\01-07-2025\V7W414\
Data File : 7w11539.D
Acq On : 6 Jan 2025 11:35 pm
Operator : benk
Sample : mb Inst : MS7W
Misc : MS88386,v7w414,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 07 19:08:23 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

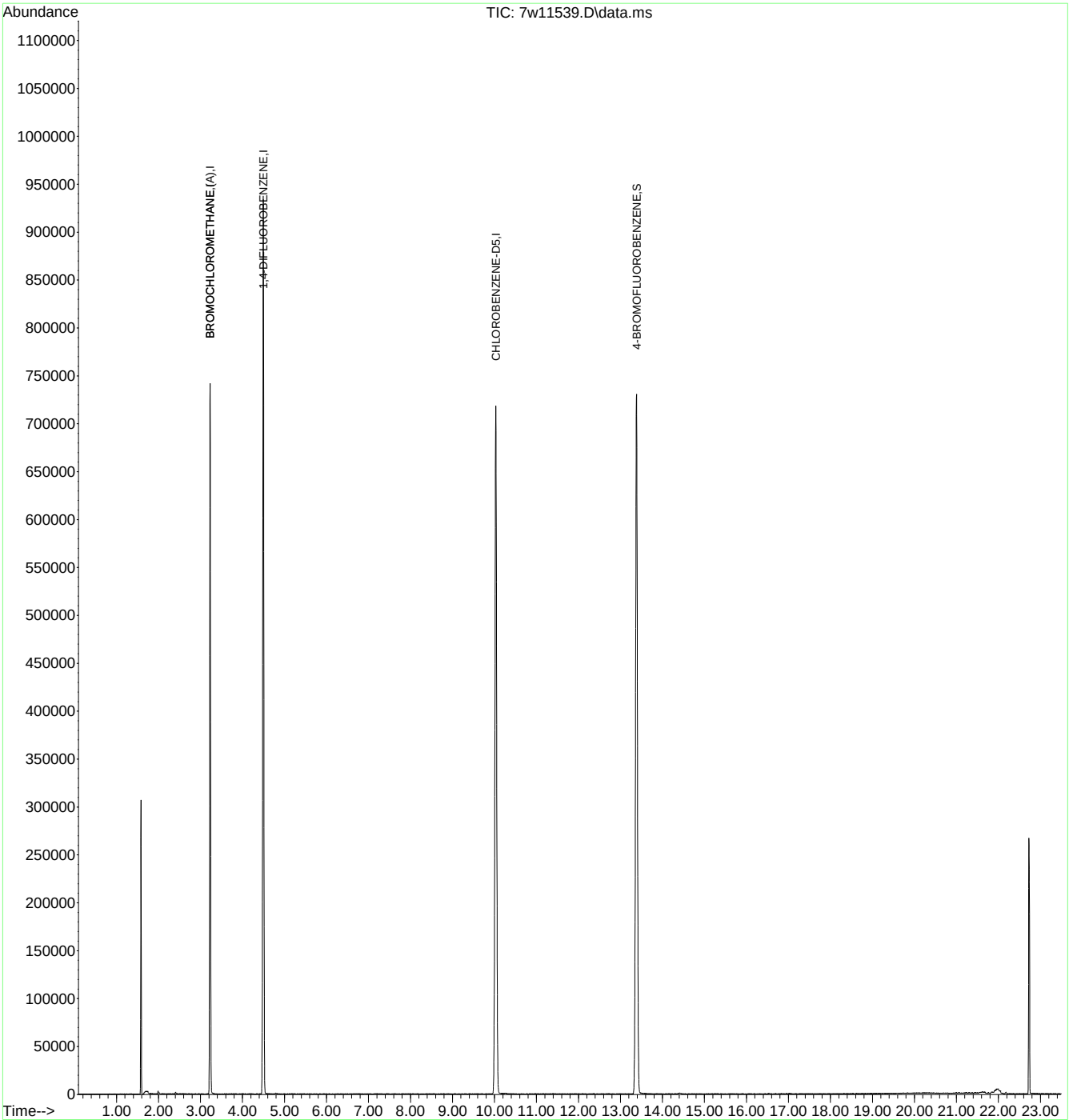
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.229	128	136836	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.493	114	669533	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.033	117	630911	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.229	128	136836	10.00	PPBV	0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.383	95	448798	9.80	PPBV	0.00
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\01-07-2025\V7W414\
Data File : 7w11539.D
Acq On : 6 Jan 2025 11:35 pm
Operator : benk
Sample : mb Inst : MS7W
Misc : MS88386,v7w414,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 07 19:08:23 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration



Quantitation Report (QT/LSC Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\01-07-2025\V7W415\
Data File : 7w11575.D
Acq On : 8 Jan 2025 12:11 am
Operator : benk
Sample : mb Inst : MS7W
Misc : MS88386,v7w415,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 08 21:40:00 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

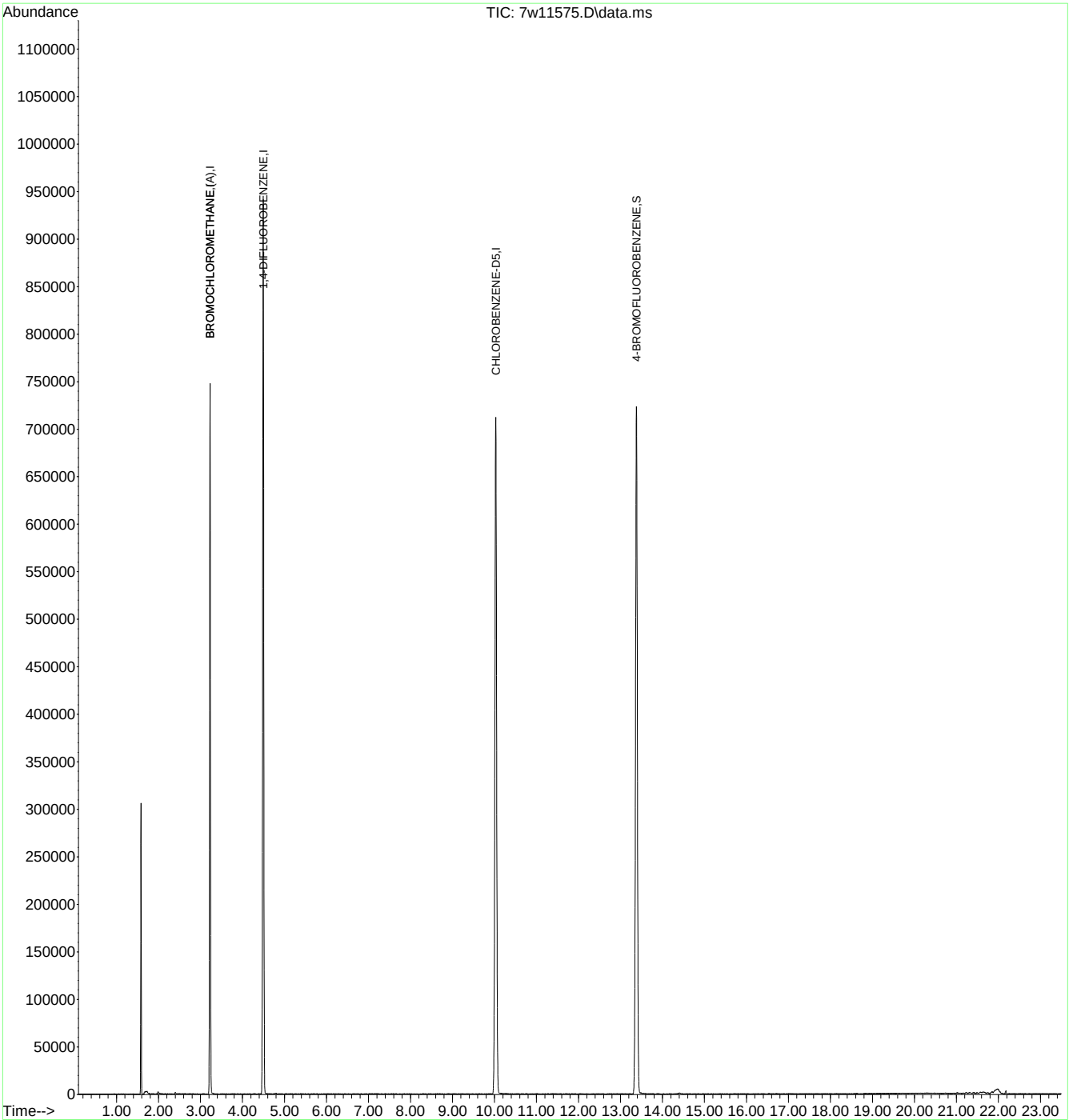
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.226	128	136449	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.493	114	666104	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.033	117	629238	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.226	128	136449	10.00	PPBV	0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.380	95	442137	9.68	PPBV	0.00
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\01-07-2025\V7W415\
Data File : 7w11575.D
Acq On : 8 Jan 2025 12:11 am
Operator : benk
Sample : mb Inst : MS7W
Misc : MS88386,v7w415,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 08 21:40:00 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\luckyc\
Data File : 7w10580.D
Acq On : 18 Nov 2024 12:04 pm
Operator : bkim
Sample : mb
Misc : MS87131,v7w387,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 19 11:51:48 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	3.277	128	64026	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.553	114	327182	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.122	117	306459	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.277	128	64026	10.00	PPBV	0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.476	95	198631	8.84	PPBV	0.00

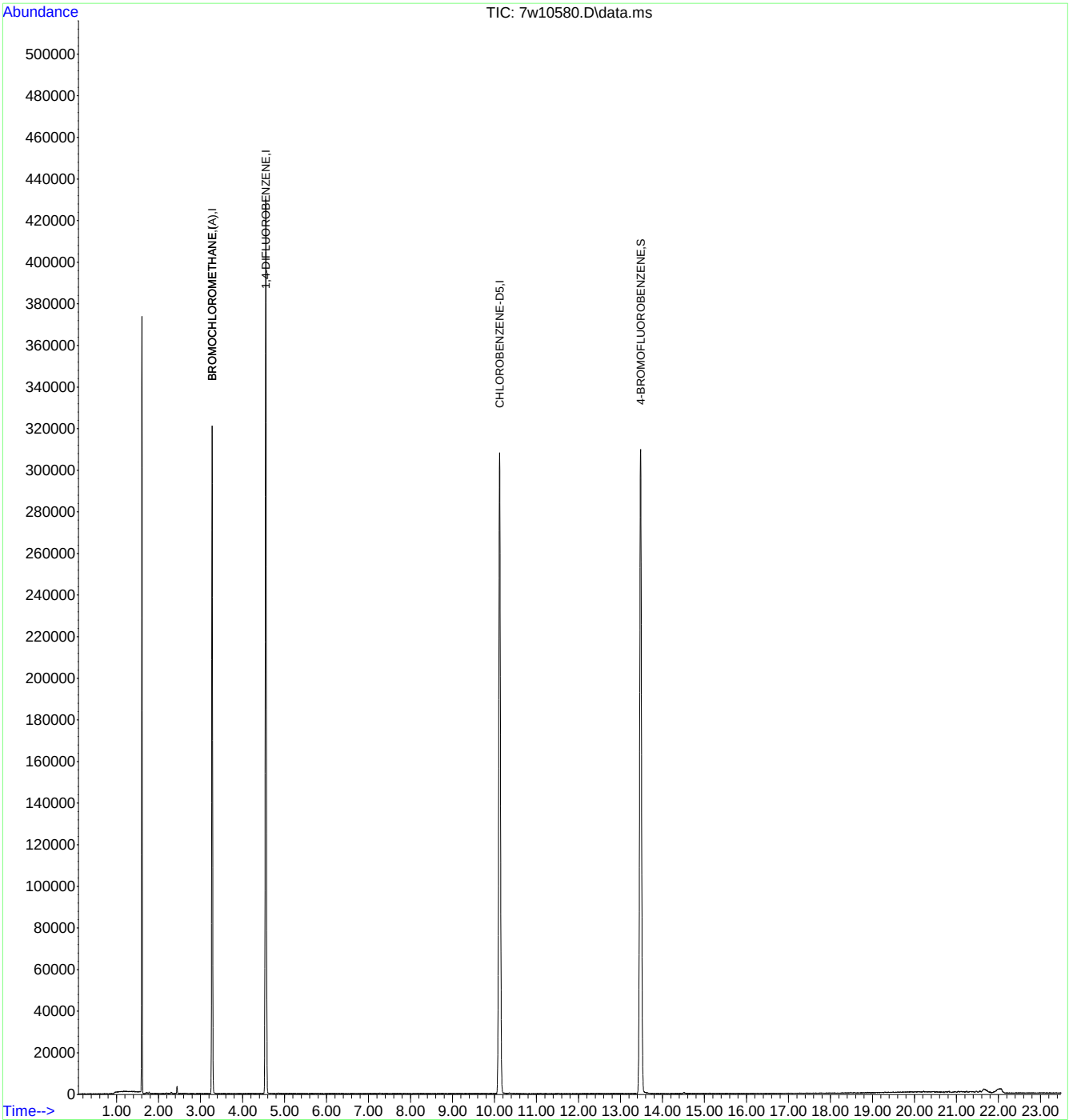
Target Compounds	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\luckyc\
Data File : 7w10580.D
Acq On : 18 Nov 2024 12:04 pm
Operator : bkim
Sample : mb
Misc : MS87131,v7w387,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 19 11:51:48 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V7W392\
Data File : 7w10747.D
Acq On : 25 Nov 2024 11:46 am
Operator : williamc
Sample : mb Inst : MS7W
Misc : MS87372,v7w392,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 25 21:32:35 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

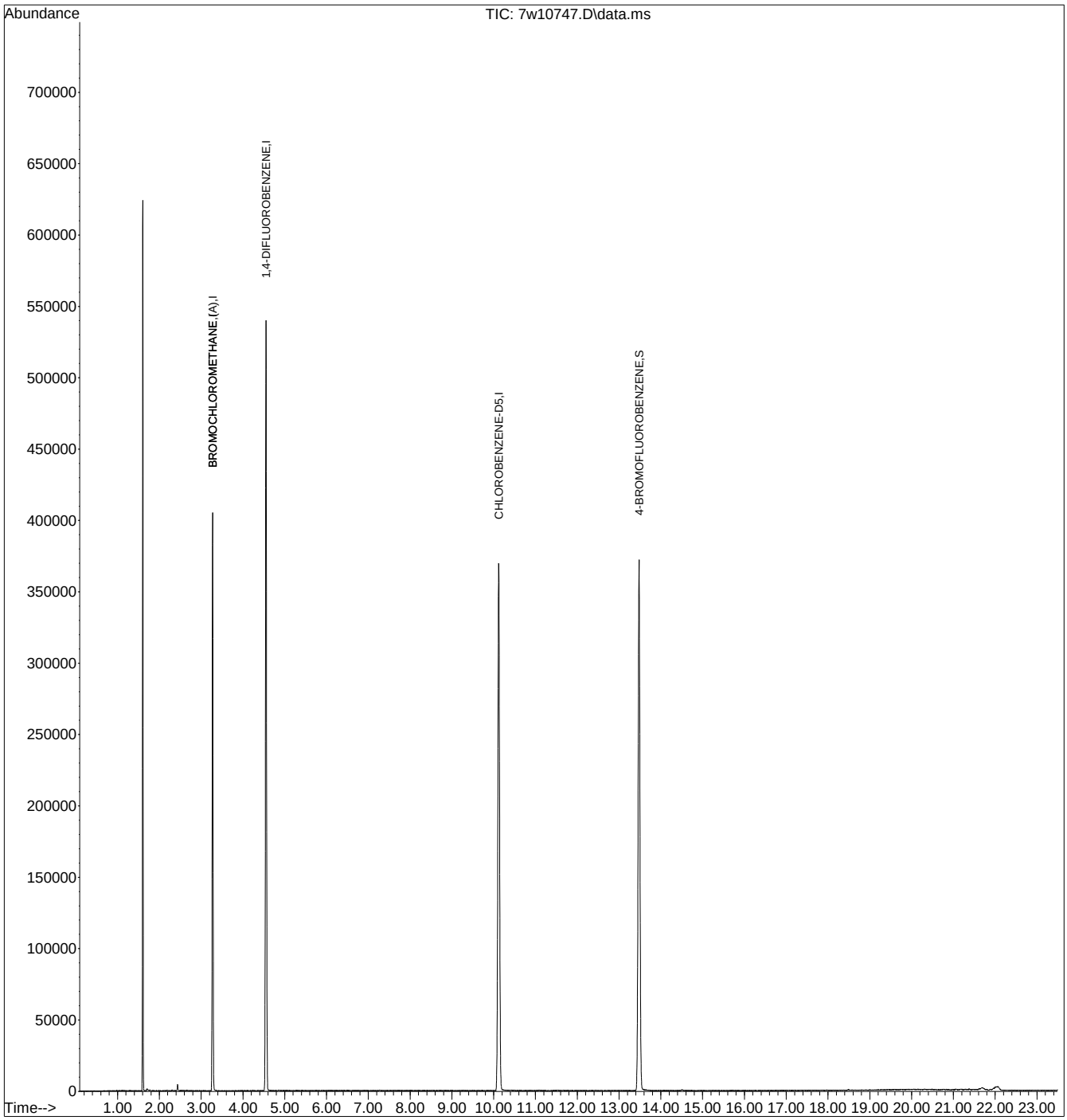
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.274	128	77496	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.553	114	407451	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.122	117	332375	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.274	128	77496	10.00	PPBV	0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.479	95	229102	9.40	PPBV	0.00
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V7W392\
Data File : 7w10747.D
Acq On : 25 Nov 2024 11:46 am
Operator : williamc
Sample : mb Inst : MS7W
Misc : MS87372,v7w392,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 25 21:32:35 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w10814.D
Acq On : 27 Nov 2024 9:31 pm
Operator : benk
Sample : mb
Misc : MS87455,v7w394,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 30 14:47:53 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

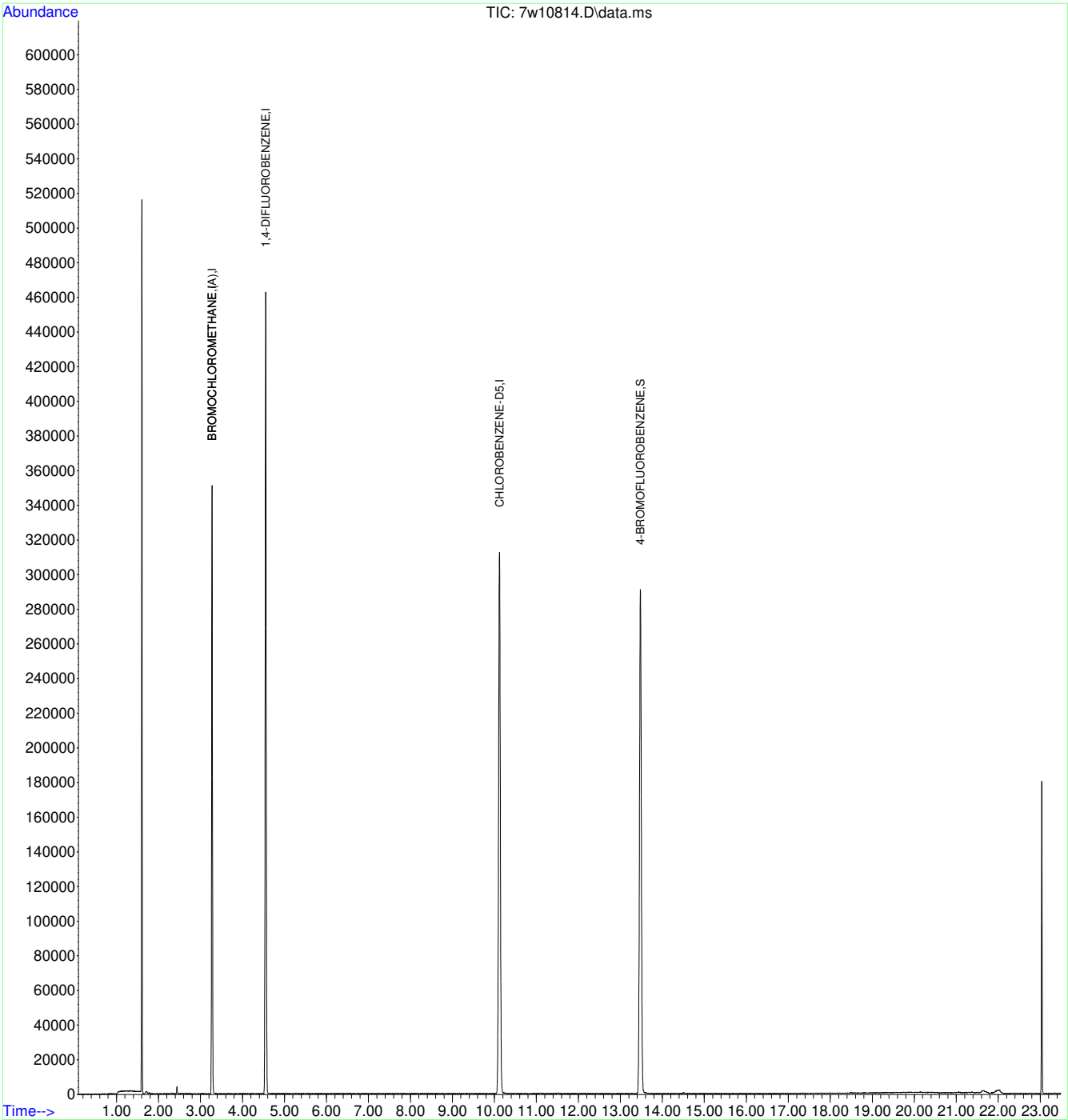
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.274	128	63513	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.553	114	345001	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.122	117	281984	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.274	128	63513	10.00	PPBV	0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.476	95	193103	9.34	PPBV	0.00
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w10814.D
Acq On : 27 Nov 2024 9:31 pm
Operator : benk
Sample : mb
Misc : MS87455,v7w394,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 30 14:47:53 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\17 December 2024\v5w2132\
Data File : 5w55670.D
Acq On : 16 Dec 2024 6:38 pm
Operator : thomash
Sample : mb Inst : GCMS5W
Misc : MS87842,V5W2132,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 17 11:35:09 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	7.663	128	351933	10.00	PPBV	# 0.00
51) 1,4-DIFLUOROBENZENE	9.828	114	1652348	10.00	PPBV	0.00
70) CHLOROBENZENE-D5	15.340	82	979891	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	7.663	128	351933	10.00	PPBV	# 0.00
System Monitoring Compounds						
85) 4-BROMOFLUOROBENZENE	17.586	95	1238048	11.29	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 112.90%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

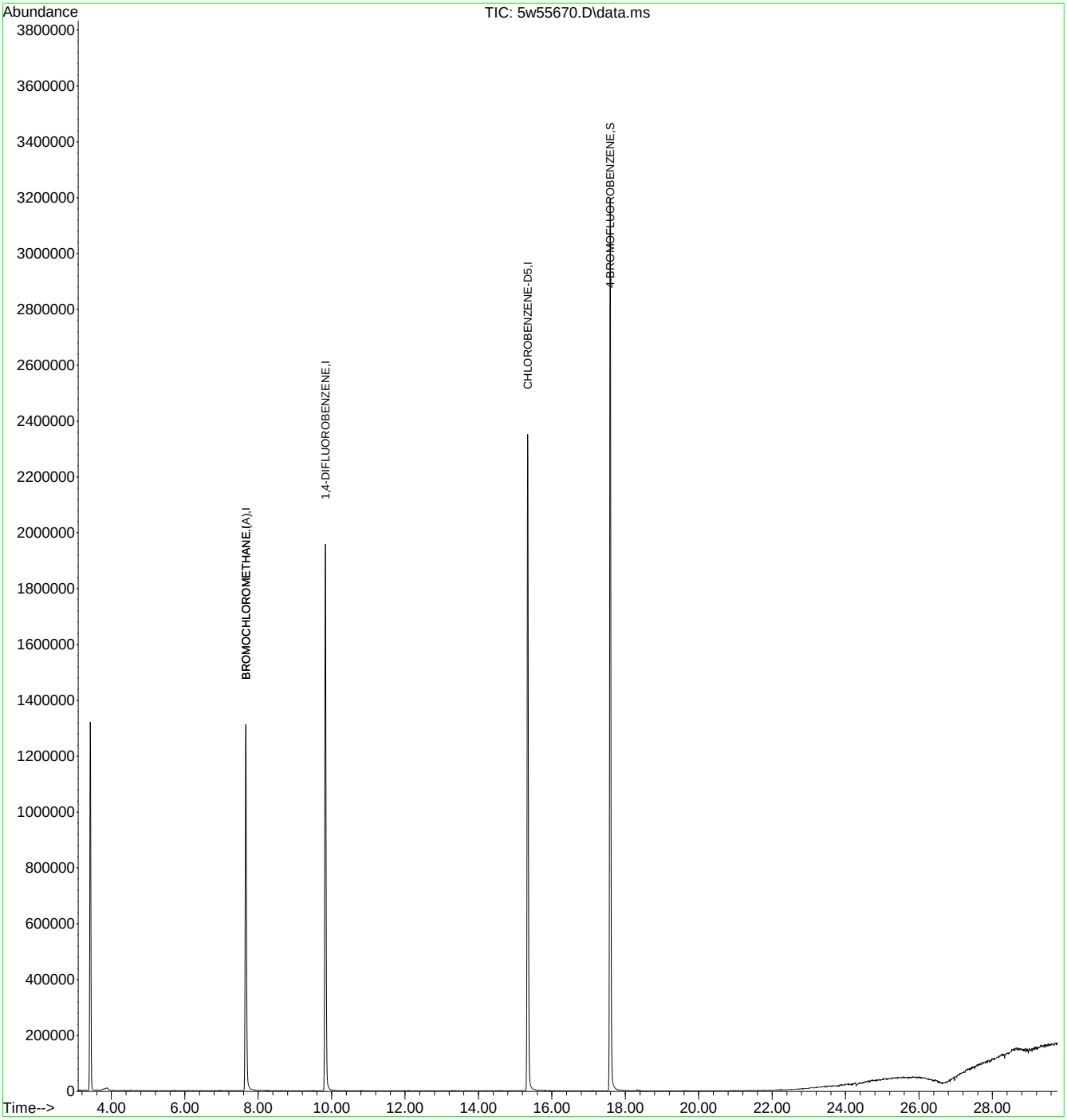
7.2.9

7

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\17 December 2024\v5w2132\
Data File : 5w55670.D
Acq On : 16 Dec 2024 6:38 pm
Operator : thomash
Sample : mb Inst : GCMS5W
Misc : MS87842,V5W2132,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 17 11:35:09 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55701.D
Acq On : 17 Dec 2024 9:13 pm
Operator : thomash
Sample : bs Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 18:33:17 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	7.669	128	313892	10.00	PPBV	# 0.00
51) 1,4-DIFLUOROBENZENE	9.835	114	1454050	10.00	PPBV	0.00
70) CHLOROBENZENE-D5	15.347	82	902926	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	7.669	128	313892	10.00	PPBV	# 0.00
System Monitoring Compounds						
85) 4-BROMOFLUOROBENZENE	17.586	95	1012991	10.02	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 100.20%			
Target Compounds						Qvalue
2) FREON 115	3.460	119	565739	13.1668	PPBV	91
3) FREON 152A	3.539	65	284375	12.2452	PPBV	94
4) CHLORODIFLUOROMETHANE	3.576	67	159275	13.2268	PPBV	98
5) CHLOROTRIFLUOROETHENE	3.601	116	564184	10.3804	PPBV	98
6) DICHLORODIFLUOROMETHANE	3.650	85	1415187	12.3372	PPBV	99
7) PROPYLENE	3.594	41	354111	12.2570	PPBV	97
8) 1-CHLORO-1,1-DIFLUOROE...	3.754	65	1323070	11.2633	PPBV	98
9) FREON 114	3.839	85	1523848	10.8301	PPBV	95
10) CHLOROMETHANE	3.766	52	140759	9.5156	PPBV	96
11) VINYL CHLORIDE	3.925	62	501674	9.6309	PPBV	99
12) 1,3-BUTADIENE	4.023	54	328641	9.4013	PPBV #	81
13) n-BUTANE	4.059	43	677176	10.0983	PPBV	98
14) BROMOMETHANE	4.225	94	501334	9.1337	PPBV	99
15) CHLOROETHANE	4.353	64	221160	9.2911	PPBV	96
16) DICHLOROFLUOROMETHANE	4.420	67	1186539	10.0844	PPBV	98
17) ACETONITRILE	4.616	41	382031	9.8628	PPBV	99
18) ACROLEIN	4.708	56	172478	10.1971	PPBV	99
19) FREON 123	4.732	83	1197754	10.1145	PPBV	99
20) FREON 123A	4.775	117	626407	9.9483	PPBV	87
21) TRICHLOROFLUOROMETHANE	4.940	101	1226758	11.5726	PPBV	100
22) ISOPROPYL ALCOHOL	5.020	45	790681	11.7722	PPBV	97
23) ACETONE	4.818	58	188311	7.4382	PPBV #	75
24) PENTANE	5.228	42	412053	12.3497	PPBV	96
25) IODOMETHANE	5.411	142	1095345	12.3862	PPBV	98
26) 1,1-DICHLOROETHYLENE	5.479	96	369495	11.2461	PPBV	92
27) CARBON DISULFIDE	5.846	76	1178475	12.3977	PPBV	97
28) ETHANOL	4.451	45	234765	9.5372	PPBV	98
29) BROMOETHENE	4.616	106	463255	9.9074	PPBV	97
30) ACRYLONITRILE	5.197	52	244683	9.3040	PPBV	99
31) METHYLENE CHLORIDE	5.589	84	349487	10.6154	PPBV	94
32) 3-CHLOROPROPENE	5.693	76	190768	12.5662	PPBV #	87
33) FREON 113	5.815	151	700101	12.8166	PPBV	90
34) TRANS-1,2-DICHLOROETHY...	6.445	96	391118	11.2651	PPBV	94
35) TERTIARY BUTYL ALCOHOL	5.540	59	757111	11.9832	PPBV	95
36) METHYL TERTIARY BUTYL ...	6.702	73	1179737	13.2568	PPBV	97
37) TETRAHYDROFURAN	8.238	72	184127	13.5162	PPBV	90
38) HEXANE	7.699	57	608636	12.3752	PPBV	89
39) VINYL ACETATE	6.806	86	69299	12.3275	PPBV #	78
40) 1,1-DICHLOROETHANE	6.647	63	782820	12.1315	PPBV	99
41) METHYL ETHYL KETONE	7.051	72	193409	14.2049	PPBV #	82
42) cis-1,2-DICHLOROETHYLENE	7.498	96	420664	11.6767	PPBV	94
43) DIISOPROPYL ETHER	7.712	59	186180	12.4621	PPBV #	85
44) ETHYL ACETATE	7.742	61	140521	13.9905	PPBV #	97
45) METHYL ACRYLATE	7.730	55	787676	13.1741	PPBV	98
46) CHLOROFORM	7.803	83	999111	12.3991	PPBV	99
47) 2,4-DIMETHYLPENTANE	8.660	57	691755	12.8610	PPBV	100
48) 1,1,1-TRICHLOROETHANE	8.874	97	1006425	12.3007	PPBV	98

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55701.D
Acq On : 17 Dec 2024 9:13 pm
Operator : thomash
Sample : bs Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 18:33:17 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
49)	CARBON TETRACHLORIDE	9.559	117	1065043	12.3166	PPBV		99
50)	1,2-DICHLOROETHANE	8.599	62	713469	13.6130	PPBV		98
52)	BENZENE	9.394	78	1257021	11.9271	PPBV		99
53)	CYCLOHEXANE	9.694	84	486536	12.2895	PPBV		97
54)	2,3-DIMETHYLPENTANE	9.994	71	259732	12.1515	PPBV		98
55)	TRICHLOROETHYLENE	10.648	95	606209	10.9106	PPBV		93
56)	1,2-DICHLOROPROPANE	10.355	63	487323	10.8937	PPBV		96
57)	DIBROMOMETHANE	10.330	174	698985	12.8515	PPBV		85
58)	ETHYL ACRYLATE	10.410	55	966249	13.6926	PPBV		99
59)	BROMODICHLOROMETHANE	10.599	83	1178495	12.1464	PPBV		100
60)	2,2,4-TRIMETHYLPENTANE	10.679	57	1917970	11.9840	PPBV		98
61)	1,4-DIOXANE	10.667	88	278430	11.3444	PPBV		92
62)	HEPTANE	11.027	43	734912	13.1469	PPBV		95
63)	METHYL METHACRYLATE	10.936	69	466996	13.3286	PPBV		92
64)	METHYL ISOBUTYL KETONE	11.786	58	380109	12.7624	PPBV	#	84
65)	cis-1,3-DICHLOROPROPENE	11.725	75	867878	12.7711	PPBV		93
66)	TOLUENE	12.955	92	833668	11.3092	PPBV		99
67)	1,3-DICHLOROPROPANE	13.003	76	782394	12.0642	PPBV	#	99
68)	trans-1,3-DICHLOROPROPENE	12.404	75	789840	12.6276	PPBV		94
69)	1,1,2-TRICHLOROETHANE	12.606	83	514691	11.5580	PPBV		96
71)	2-HEXANONE	13.358	58	543573	12.7616	PPBV		83
72)	ETHYL METHACRYLATE	13.383	69	807428	12.9466	PPBV		93
73)	TETRACHLOROETHYLENE	14.460	164	702048	11.9038	PPBV		84
74)	DIBROMOCHLOROMETHANE	13.505	129	1035622	10.7992	PPBV		99
75)	1,2-DIBROMOETHANE	13.823	107	887287	11.1580	PPBV		99
76)	OCTANE	14.325	43	1070818	13.5020	PPBV		94
77)	1,1,1,2-TETRACHLOROETHANE	15.383	131	668416	10.0948	PPBV		90
78)	CHLOROBENZENE	15.402	112	1154772	9.9346	PPBV		93
79)	ETHYLBENZENE	15.952	91	1956239	11.7515	PPBV		97
80)	m,p-XYLENE	16.234	106	1371318	21.7102	PPBV		92
81)	o-XYLENE	16.900	106	681674	11.1179	PPBV		92
82)	STYRENE	16.748	104	1052497	11.9681	PPBV		95
83)	NONANE	17.310	43	1118669	13.5163	PPBV		97
84)	BROMOFORM	16.289	173	1443015	14.7072	PPBV		99
86)	1,1,2,2-TETRACHLOROETHANE	16.900	83	1389683	11.2759	PPBV		100
87)	1,2,3-TRICHLOROPROPANE	17.090	75	990307	11.1286	PPBV		95
88)	ISOPROPYLBENZENE	17.812	105	1992471	10.5020	PPBV		97
89)	BROMOBENZENE	17.904	77	1163694	10.8599	PPBV		98
90)	2-CHLOROTOLUENE	18.546	126	481256	10.1243	PPBV		100
91)	n-PROPYLBENZENE	18.632	120	515888	10.7259	PPBV		99
92)	4-ETHYLTOLUENE	18.876	105	2026620	11.5739	PPBV		98
93)	1,3,5-TRIMETHYLBENZENE	19.005	105	1698402	11.3495	PPBV		97
94)	ALPHA-METHYLSTYRENE	19.256	118	797961	9.8784	PPBV		97
95)	tert-BUTYLBENZENE	19.611	134	342276	10.4760	PPBV		94
96)	1,2,4-TRIMETHYLBENZENE	19.623	105	1838391	11.7088	PPBV		98
97)	m-DICHLOROBENZENE	19.813	146	1339814	10.8375	PPBV		98
98)	BENZYL CHLORIDE	19.806	91	1865291	11.0684	PPBV		97
99)	p-DICHLOROBENZENE	19.923	146	1301886	11.2793	PPBV		98
100)	sec-BUTYLBENZENE	20.014	134	412760	10.5885	PPBV	#	89
101)	1,2,3-TRIMETHYLBENZENE	20.235	105	1793961	11.2501	PPBV	#	98
102)	p-ISOPROPYLTOLUENE	20.259	134	475123	10.3705	PPBV		95
103)	o-DICHLOROBENZENE	20.400	146	1223964	10.9062	PPBV		98
104)	n-BUTYLBENZENE	20.852	134	455939	10.8186	PPBV	#	77
105)	HEXACHLOROETHANE	21.317	117	953521	12.1375	PPBV	#	81
106)	HEXACHLOROBUTADIENE	23.361	225	1732900	16.4128	PPBV		100
107)	1,2,4-TRICHLOROBENZENE	23.214	180	1430193	14.3025	PPBV		96
108)	NAPHTHALENE	22.877	128	2358681	10.7459	PPBV		100
110)	TVHC as equiv Pentane	5.228	TIC	2726987	11.0975	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55701.D
Acq On : 17 Dec 2024 9:13 pm
Operator : thomash
Sample : bs Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 18:33:17 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

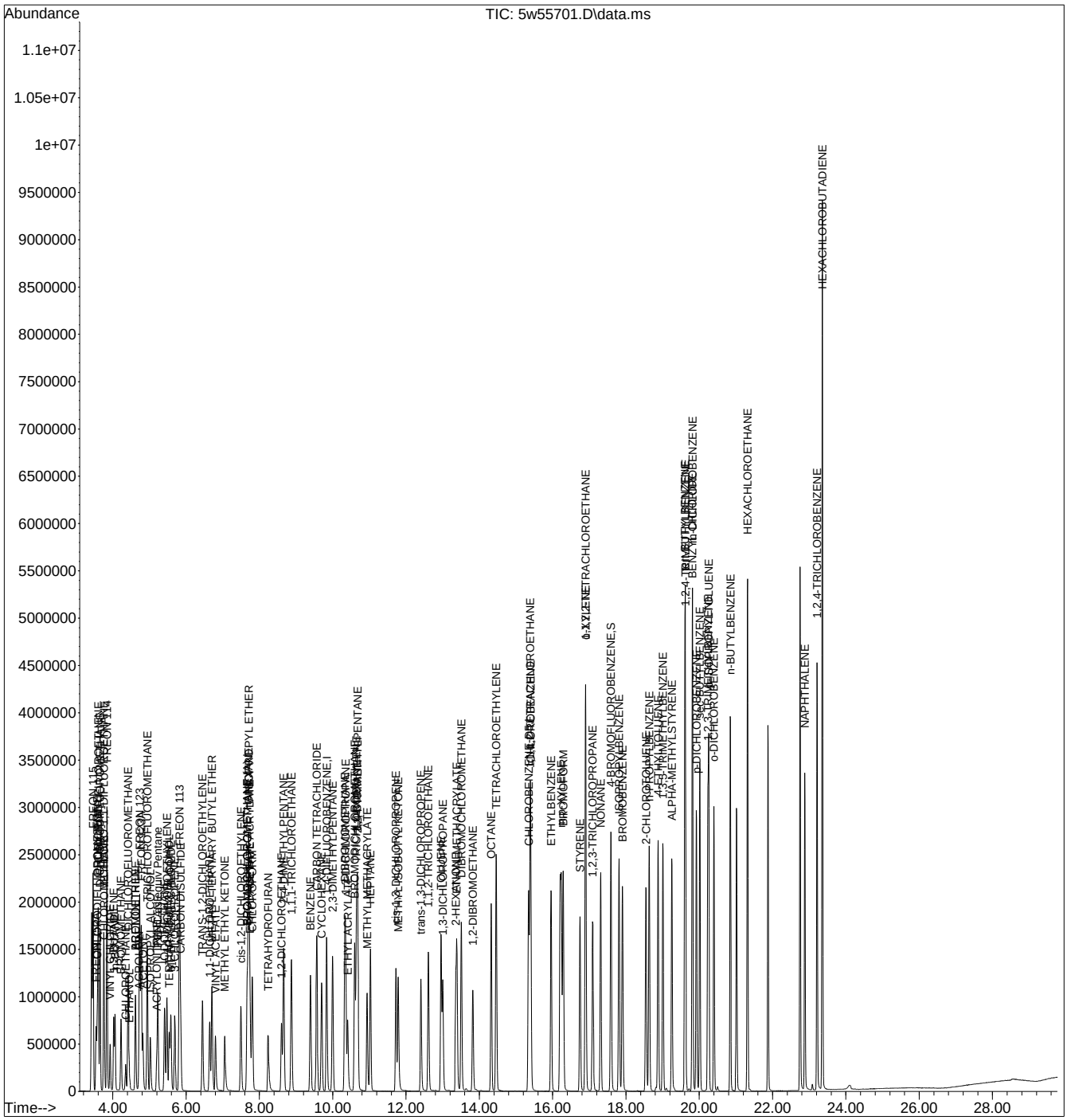
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55701.D
Acq On : 17 Dec 2024 9:13 pm
Operator : thomash
Sample : bs Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 18:33:17 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55703.D
Acq On : 17 Dec 2024 10:35 pm
Operator : thomash
Sample : bsd Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 18:33:56 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.663	128	319491	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.829	114	1462454	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	15.341	82	906713	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.663	128	319491	10.00	PPBV	#	0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	17.586	95	1005252	9.91	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 99.10%				
Target Compounds							Qvalue
2) FREON 115	3.454	119	523028	11.9594	PPBV		88
3) FREON 152A	3.533	65	278056	11.7633	PPBV		93
4) CHLORODIFLUOROMETHANE	3.564	67	155658	12.6999	PPBV		95
5) CHLOROTRIFLUOROETHENE	3.595	116	549136	9.9265	PPBV		97
6) DICHLORODIFLUOROMETHANE	3.644	85	1386093	11.8718	PPBV		99
7) PROPYLENE	3.588	41	355035	12.0736	PPBV		97
8) 1-CHLORO-1,1-DIFLUOROE...	3.748	65	1414411	11.8298	PPBV		98
9) FREON 114	3.833	85	1603406	11.1958	PPBV		95
10) CHLOROMETHANE	3.760	52	152620	10.1366	PPBV		100
11) VINYL CHLORIDE	3.919	62	535334	10.0970	PPBV		98
12) 1,3-BUTADIENE	4.017	54	348917	9.8064	PPBV	#	83
13) n-BUTANE	4.053	43	718682	10.5294	PPBV		97
14) BROMOMETHANE	4.219	94	516272	9.2410	PPBV		99
15) CHLOROETHANE	4.347	64	224643	9.2721	PPBV		95
16) DICHLOROFLUOROMETHANE	4.408	67	1207581	10.0834	PPBV		97
17) ACETONITRILE	4.610	41	384779	9.7597	PPBV		98
18) ACROLEIN	4.702	56	172931	10.0447	PPBV		99
19) FREON 123	4.726	83	1196430	9.9263	PPBV		99
20) FREON 123A	4.763	117	630011	9.8302	PPBV		88
21) TRICHLOROFLUOROMETHANE	4.934	101	1229725	11.3973	PPBV		99
22) ISOPROPYL ALCOHOL	5.014	45	763115	11.1627	PPBV		97
23) ACETONE	4.812	58	190310	7.3855	PPBV	#	73
24) PENTANE	5.222	42	395773	11.6539	PPBV		95
25) IODOMETHANE	5.405	142	1000997	11.1209	PPBV		100
26) 1,1-DICHLOROETHYLENE	5.473	96	389796	11.6561	PPBV		90
27) CARBON DISULFIDE	5.840	76	1221179	12.6219	PPBV		97
28) ETHANOL	4.445	45	240425	9.5959	PPBV		98
29) BROMOETHENE	4.610	106	479535	10.0759	PPBV		97
30) ACRYLONITRILE	5.191	52	233936	8.7395	PPBV		99
31) METHYLENE CHLORIDE	5.577	84	372212	11.1075	PPBV		94
32) 3-CHLOROPROPENE	5.681	76	197475	12.7801	PPBV	#	86
33) FREON 113	5.809	151	716925	12.8946	PPBV		91
34) TRANS-1,2-DICHLOROETHY...	6.439	96	404836	11.4559	PPBV		94
35) TERTIARY BUTYL ALCOHOL	5.534	59	802450	12.4782	PPBV		95
36) METHYL TERTIARY BUTYL ...	6.702	73	1222293	13.4943	PPBV		97
37) TETRAHYDROFURAN	8.232	72	194280	14.0116	PPBV		92
38) HEXANE	7.693	57	631896	12.6230	PPBV		89
39) VINYL ACETATE	6.800	86	72188	12.6164	PPBV	#	74
40) 1,1-DICHLOROETHANE	6.641	63	803245	12.2299	PPBV		98
41) METHYL ETHYL KETONE	7.045	72	200051	14.4352	PPBV	#	76
42) cis-1,2-DICHLOROETHYLENE	7.492	96	434125	11.8391	PPBV		93
43) DIISOPROPYL ETHER	7.706	59	192063	12.6306	PPBV	#	83
44) ETHYL ACETATE	7.736	61	147247	14.4032	PPBV	#	38
45) METHYL ACRYLATE	7.724	55	811813	13.3399	PPBV		98
46) CHLOROFORM	7.804	83	1037123	12.6453	PPBV		98
47) 2,4-DIMETHYLPENTANE	8.654	57	720377	13.1585	PPBV		99
48) 1,1,1-TRICHLOROETHANE	8.868	97	1037001	12.4523	PPBV		98

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55703.D
Acq On : 17 Dec 2024 10:35 pm
Operator : thomash
Sample : bsd Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 18:33:56 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
49)	CARBON TETRACHLORIDE	9.559	117	1093220	12.4209	PPBV		99
50)	1,2-DICHLOROETHANE	8.599	62	736647	13.8089	PPBV		98
52)	BENZENE	9.394	78	1307486	12.3347	PPBV		99
53)	CYCLOHEXANE	9.694	84	503829	12.6532	PPBV		98
54)	2,3-DIMETHYLPENTANE	9.994	71	275093	12.7962	PPBV		100
55)	TRICHLOROETHYLENE	10.648	95	626809	11.2165	PPBV		93
56)	1,2-DICHLOROPROPANE	10.355	63	506804	11.2641	PPBV		97
57)	DIBROMOMETHANE	10.330	174	714172	13.0552	PPBV		86
58)	ETHYL ACRYLATE	10.404	55	1004441	14.1520	PPBV		99
59)	BROMODICHLOROMETHANE	10.599	83	1210939	12.4090	PPBV		99
60)	2,2,4-TRIMETHYLPENTANE	10.679	57	1992264	12.3767	PPBV		98
61)	1,4-DIOXANE	10.667	88	295490	11.9703	PPBV	#	88
62)	HEPTANE	11.021	43	764169	13.5917	PPBV		94
63)	METHYL METHACRYLATE	10.930	69	482843	13.7017	PPBV		92
64)	METHYL ISOBUTYL KETONE	11.786	58	392461	13.1014	PPBV	#	83
65)	cis-1,3-DICHLOROPROPENE	11.725	75	895059	13.0954	PPBV		92
66)	TOLUENE	12.955	92	853406	11.5104	PPBV		98
67)	1,3-DICHLOROPROPANE	13.004	76	799011	12.2496	PPBV	#	99
68)	trans-1,3-DICHLOROPROPENE	12.404	75	820148	13.0368	PPBV		94
69)	1,1,2-TRICHLOROETHANE	12.606	83	531421	11.8651	PPBV		95
71)	2-HEXANONE	13.352	58	565228	13.2145	PPBV		82
72)	ETHYL METHACRYLATE	13.383	69	832567	13.2939	PPBV		93
73)	TETRACHLOROETHYLENE	14.460	164	713567	12.0486	PPBV		84
74)	DIBROMOCHLOROMETHANE	13.505	129	1064490	11.0538	PPBV		99
75)	1,2-DIBROMOETHANE	13.817	107	904377	11.3254	PPBV		100
76)	OCTANE	14.325	43	1098704	13.7958	PPBV		94
77)	1,1,1,2-TETRACHLOROETHANE	15.383	131	683441	10.2786	PPBV		90
78)	CHLOROBENZENE	15.402	112	1173195	10.0509	PPBV		94
79)	ETHYLBENZENE	15.952	91	1995933	11.9399	PPBV		97
80)	m,p-XYLENE	16.228	106	1397327	22.0296	PPBV		92
81)	o-XYLENE	16.894	106	689056	11.1913	PPBV		92
82)	STYRENE	16.748	104	1070082	12.1172	PPBV		96
83)	NONANE	17.304	43	1142765	13.7498	PPBV		97
84)	BROMOFORM	16.289	173	1447121	14.6874	PPBV		99
86)	1,1,2,2-TETRACHLOROETHANE	16.901	83	1420053	11.4742	PPBV		99
87)	1,2,3-TRICHLOROPROPANE	17.090	75	999791	11.1883	PPBV		94
88)	ISOPROPYLBENZENE	17.812	105	2005084	10.5243	PPBV		96
89)	BROMOBENZENE	17.904	77	1178775	10.9547	PPBV		99
90)	2-CHLOROTOLUENE	18.546	126	478616	10.0267	PPBV		100
91)	n-PROPYLBENZENE	18.632	120	512163	10.6039	PPBV		100
92)	4-ETHYLTOLUENE	18.877	105	2023010	11.5050	PPBV		98
93)	1,3,5-TRIMETHYLBENZENE	19.005	105	1692790	11.2647	PPBV		97
94)	ALPHA-METHYLSTYRENE	19.256	118	799215	9.8526	PPBV		98
95)	tert-BUTYLBENZENE	19.611	134	342490	10.4388	PPBV		95
96)	1,2,4-TRIMETHYLBENZENE	19.623	105	1839909	11.6695	PPBV		98
97)	m-DICHLOROBENZENE	19.813	146	1324406	10.6681	PPBV		99
98)	BENZYL CHLORIDE	19.807	91	1867818	11.0371	PPBV		96
99)	p-DICHLOROBENZENE	19.917	146	1270477	10.9612	PPBV		99
100)	sec-BUTYLBENZENE	20.015	134	402854	10.2912	PPBV	#	85
101)	1,2,3-TRIMETHYLBENZENE	20.235	105	1789023	11.1722	PPBV	#	97
102)	p-ISOPROPYLTOLUENE	20.259	134	473759	10.2976	PPBV		95
103)	o-DICHLOROBENZENE	20.400	146	1198677	10.6362	PPBV		98
104)	n-BUTYLBENZENE	20.853	134	451413	10.6664	PPBV	#	76
105)	HEXACHLOROETHANE	21.318	117	916453	11.6169	PPBV	#	83
106)	HEXACHLOROBUTADIENE	23.361	225	1608418	15.1702	PPBV		100
107)	1,2,4-TRICHLOROBENZENE	23.214	180	1301197	12.9582	PPBV		96
108)	NAPHTHALENE	22.878	128	2226962	10.1034	PPBV		100
110)	TVHC as equiv Pentane	5.222	TIC	2569000	10.2713	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55703.D
Acq On : 17 Dec 2024 10:35 pm
Operator : thomash
Sample : bsd Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 18:33:56 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

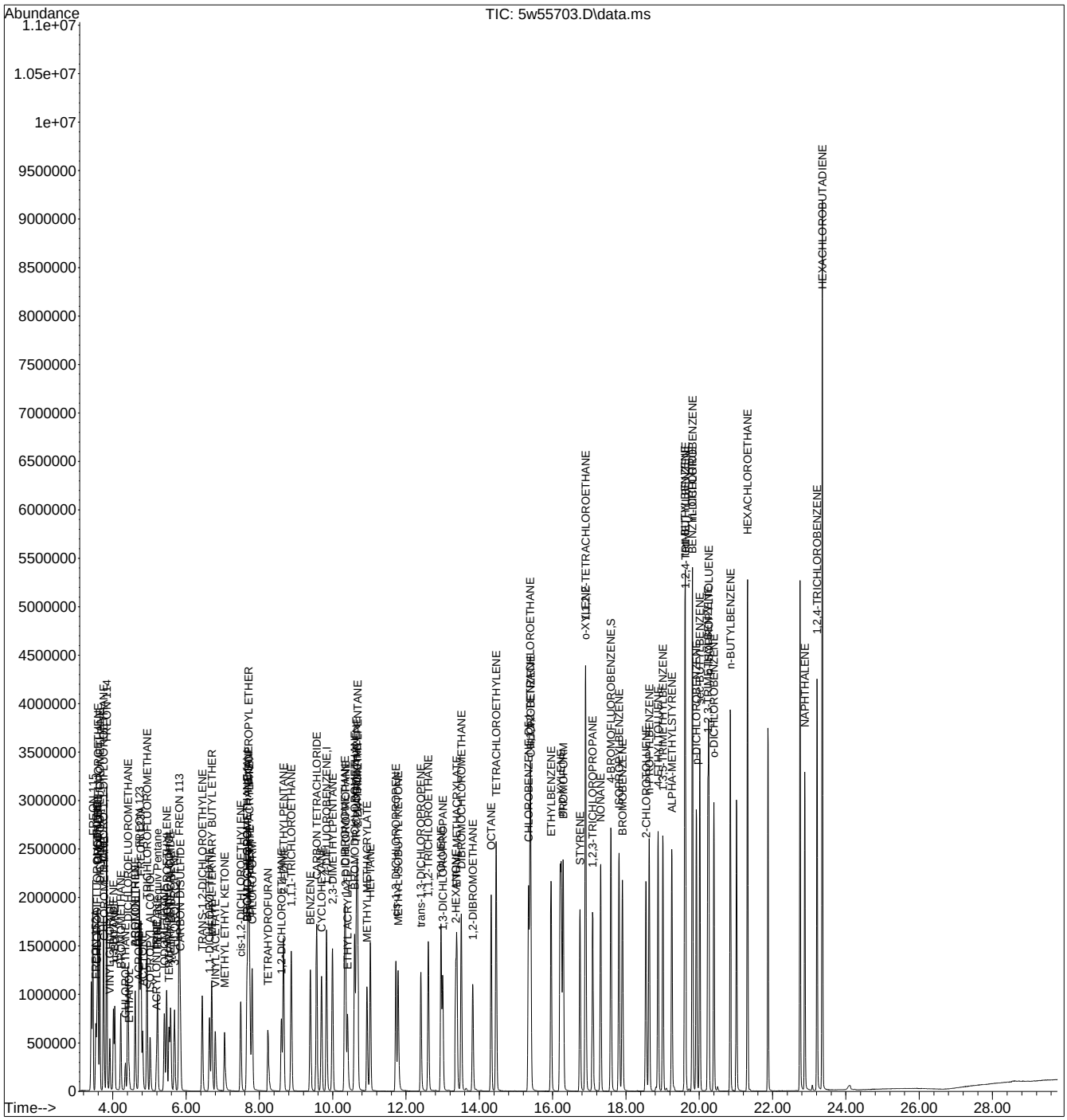
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55703.D
Acq On : 17 Dec 2024 10:35 pm
Operator : thomash
Sample : bsd Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 18:33:56 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55779.D
Acq On : 20 Dec 2024 1:55 pm
Operator : thomash
Sample : bs Inst : GCMS5W
Misc : MS88104,V5W2136,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 23 07:06:29 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.663	128	349857	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.829	114	1633756	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	15.341	82	962940	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.663	128	349857	10.00	PPBV	#	0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	17.586	95	1093279	10.15	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 101.50%				
Target Compounds							Qvalue
2) FREON 115	3.460	119	668446	13.9579	PPBV		96
3) FREON 152A	3.540	65	334393	12.9188	PPBV		98
4) CHLORODIFLUOROMETHANE	3.576	67	167162	12.4548	PPBV		99
5) CHLOROTRIFLUOROETHENE	3.601	116	693274	11.4443	PPBV		100
6) DICHLORODIFLUOROMETHANE	3.650	85	1525866	11.9346	PPBV		99
7) PROPYLENE	3.595	41	400344	12.4328	PPBV		100
8) 1-CHLORO-1,1-DIFLUOROE...	3.754	65	1228092	9.3800	PPBV		99
9) FREON 114	3.839	85	1400695	8.9315	PPBV		96
10) CHLOROMETHANE	3.766	52	129999	7.8848	PPBV	#	75
11) VINYL CHLORIDE	3.925	62	443987	7.6473	PPBV		99
12) 1,3-BUTADIENE	4.023	54	286476	7.3527	PPBV	#	82
13) n-BUTANE	4.060	43	581553	7.7808	PPBV		98
14) BROMOMETHANE	4.225	94	463147	7.5706	PPBV		99
15) CHLOROETHANE	4.347	64	196810	7.4182	PPBV		97
16) DICHLOROFLUOROMETHANE	4.414	67	1056181	8.0537	PPBV		98
17) ACETONITRILE	4.610	41	320467	7.4229	PPBV		98
18) ACROLEIN	4.708	56	148968	7.9018	PPBV		99
19) FREON 123	4.726	83	1088425	8.2464	PPBV		99
20) FREON 123A	4.769	117	603546	8.5999	PPBV		98
21) TRICHLOROFLUOROMETHANE	4.934	101	1293637	10.9490	PPBV		100
22) ISOPROPYL ALCOHOL	5.020	45	831155	11.1027	PPBV		99
23) ACETONE	4.812	58	168768	5.9810	PPBV	#	76
24) PENTANE	5.222	42	454972	12.2343	PPBV		98
25) IODOMETHANE	5.412	142	1294788	13.1364	PPBV		94
26) 1,1-DICHLOROETHYLENE	5.473	96	432726	11.8167	PPBV		99
27) CARBON DISULFIDE	5.846	76	1321614	12.4743	PPBV		99
28) ETHANOL	4.445	45	202750	7.3899	PPBV		97
29) BROMOETHENE	4.610	106	439306	8.4294	PPBV		98
30) ACRYLONITRILE	5.197	52	270767	9.2375	PPBV		99
31) METHYLENE CHLORIDE	5.583	84	404329	11.0187	PPBV		99
32) 3-CHLOROPROPENE	5.687	76	220115	13.0088	PPBV		98
33) FREON 113	5.809	151	798279	13.1117	PPBV		87
34) TRANS-1,2-DICHLOROETHY...	6.446	96	456547	11.7979	PPBV		99
35) TERTIARY BUTYL ALCOHOL	5.540	59	822785	11.6839	PPBV		98
36) METHYL TERTIARY BUTYL ...	6.702	73	1330725	13.4163	PPBV		98
37) TETRAHYDROFURAN	8.232	72	216466	14.2566	PPBV		100
38) HEXANE	7.694	57	662491	12.0855	PPBV		96
39) VINYL ACETATE	6.800	86	83207	13.2800	PPBV		96
40) 1,1-DICHLOROETHANE	6.641	63	873079	12.1394	PPBV		98
41) METHYL ETHYL KETONE	7.051	72	224723	14.8080	PPBV		98
42) cis-1,2-DICHLOROETHYLENE	7.492	96	488762	12.1723	PPBV		98
43) DIISOPROPYL ETHER	7.712	59	199164	11.9607	PPBV	#	89
44) ETHYL ACETATE	7.742	61	150677	13.4595	PPBV	#	99
45) METHYL ACRYLATE	7.724	55	847729	12.7210	PPBV		99
46) CHLOROFORM	7.804	83	1104554	12.2986	PPBV		99
47) 2,4-DIMETHYLPENTANE	8.654	57	775642	12.9382	PPBV		98
48) 1,1,1-TRICHLOROETHANE	8.868	97	1114918	12.2259	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55779.D
Acq On : 20 Dec 2024 1:55 pm
Operator : thomash
Sample : bs Inst : GCMS5W
Misc : MS88104,V5W2136,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 23 07:06:29 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
49)	CARBON TETRACHLORIDE	9.559	117	1197111	12.4207	PPBV		100
50)	1,2-DICHLOROETHANE	8.599	62	743486	12.7274	PPBV		99
52)	BENZENE	9.394	78	1466428	12.3836	PPBV		99
53)	CYCLOHEXANE	9.694	84	572471	12.8696	PPBV		98
54)	2,3-DIMETHYLPENTANE	9.994	71	306384	12.7574	PPBV		95
55)	TRICHLOROETHYLENE	10.642	95	675373	10.8184	PPBV		97
56)	1,2-DICHLOROPROPANE	10.355	63	544941	10.8418	PPBV		98
57)	DIBROMOMETHANE	10.330	174	840847	13.7592	PPBV		78
58)	ETHYL ACRYLATE	10.404	55	1048650	13.2257	PPBV		99
59)	BROMODICHLOROMETHANE	10.599	83	1271551	11.6639	PPBV		100
60)	2,2,4-TRIMETHYLPENTANE	10.679	57	2088781	11.6157	PPBV		99
61)	1,4-DIOXANE	10.661	88	319854	11.5987	PPBV	#	66
62)	HEPTANE	11.022	43	798745	12.7171	PPBV		98
63)	METHYL METHACRYLATE	10.930	69	528775	13.4318	PPBV		98
64)	METHYL ISOBUTYL KETONE	11.786	58	414066	12.3733	PPBV		89
65)	cis-1,3-DICHLOROPROPENE	11.725	75	983544	12.8812	PPBV		99
66)	TOLUENE	12.955	92	982519	11.8624	PPBV		99
67)	1,3-DICHLOROPROPANE	13.004	76	889736	12.2103	PPBV	#	100
68)	trans-1,3-DICHLOROPROPENE	12.404	75	892331	12.6969	PPBV		99
69)	1,1,2-TRICHLOROETHANE	12.606	83	577507	11.5421	PPBV		97
71)	2-HEXANONE	13.352	58	593592	13.0673	PPBV		89
72)	ETHYL METHACRYLATE	13.383	69	903808	13.5888	PPBV		99
73)	TETRACHLOROETHYLENE	14.460	164	827102	13.1502	PPBV		85
74)	DIBROMOCHLOROMETHANE	13.505	129	1193816	11.6729	PPBV		100
75)	1,2-DIBROMOETHANE	13.817	107	1016432	11.9855	PPBV		100
76)	OCTANE	14.325	43	1146209	13.5519	PPBV		97
77)	1,1,1,2-TETRACHLOROETHANE	15.383	131	775629	10.9840	PPBV		96
78)	CHLOROBENZENE	15.402	112	1336362	10.7803	PPBV		96
79)	ETHYLBENZENE	15.952	91	2245025	12.6458	PPBV		99
80)	m,p-XYLENE	16.228	106	1611726	23.9260	PPBV		99
81)	o-XYLENE	16.895	106	775717	11.8632	PPBV		98
82)	STYRENE	16.748	104	1254605	13.3772	PPBV		98
83)	NONANE	17.304	43	1181678	13.3878	PPBV		100
84)	BROMOFORM	16.283	173	1640813	15.6809	PPBV		99
86)	1,1,2,2-TETRACHLOROETHANE	16.901	83	1481393	11.2709	PPBV		100
87)	1,2,3-TRICHLOROPROPANE	17.090	75	1103313	11.6258	PPBV		96
88)	ISOPROPYLBENZENE	17.812	105	2333158	11.5312	PPBV		99
89)	BROMOBENZENE	17.904	77	1298672	11.3642	PPBV		91
90)	2-CHLOROTOLUENE	18.540	126	584497	11.5299	PPBV		99
91)	n-PROPYLBENZENE	18.632	120	617219	12.0329	PPBV		99
92)	4-ETHYLTOLUENE	18.877	105	2366258	12.6713	PPBV		99
93)	1,3,5-TRIMETHYLBENZENE	19.005	105	1966548	12.3223	PPBV		100
94)	ALPHA-METHYLSTYRENE	19.250	118	957803	11.1181	PPBV		98
95)	tert-BUTYLBENZENE	19.611	134	397102	11.3966	PPBV		99
96)	1,2,4-TRIMETHYLBENZENE	19.623	105	2041507	12.1921	PPBV		100
97)	m-DICHLOROBENZENE	19.813	146	1500735	11.3825	PPBV		96
98)	BENZYL CHLORIDE	19.807	91	1999548	11.1256	PPBV		99
99)	p-DICHLOROBENZENE	19.917	146	1504333	12.2209	PPBV		96
100)	sec-BUTYLBENZENE	20.015	134	488396	11.7480	PPBV		97
101)	1,2,3-TRIMETHYLBENZENE	20.235	105	2033388	11.9568	PPBV	#	99
102)	p-ISOPROPYLTOLUENE	20.259	134	552369	11.3052	PPBV		98
103)	o-DICHLOROBENZENE	20.400	146	1399709	11.6948	PPBV		96
104)	n-BUTYLBENZENE	20.853	134	551932	12.2801	PPBV		94
105)	HEXACHLOROETHANE	21.318	117	1028540	12.2764	PPBV	#	77
106)	HEXACHLOROBUTADIENE	23.361	225	2083553	18.5041	PPBV		99
107)	1,2,4-TRICHLOROBENZENE	23.214	180	1784426	16.7328	PPBV		94
108)	NAPHTHALENE	22.878	128	2875261	12.2830	PPBV		100
110)	TVHC as equiv Pentane	5.222	TIC	2905168	10.6072	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55779.D
Acq On : 20 Dec 2024 1:55 pm
Operator : thomash
Sample : bs Inst : GCMS5W
Misc : MS88104,V5W2136,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 23 07:06:29 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

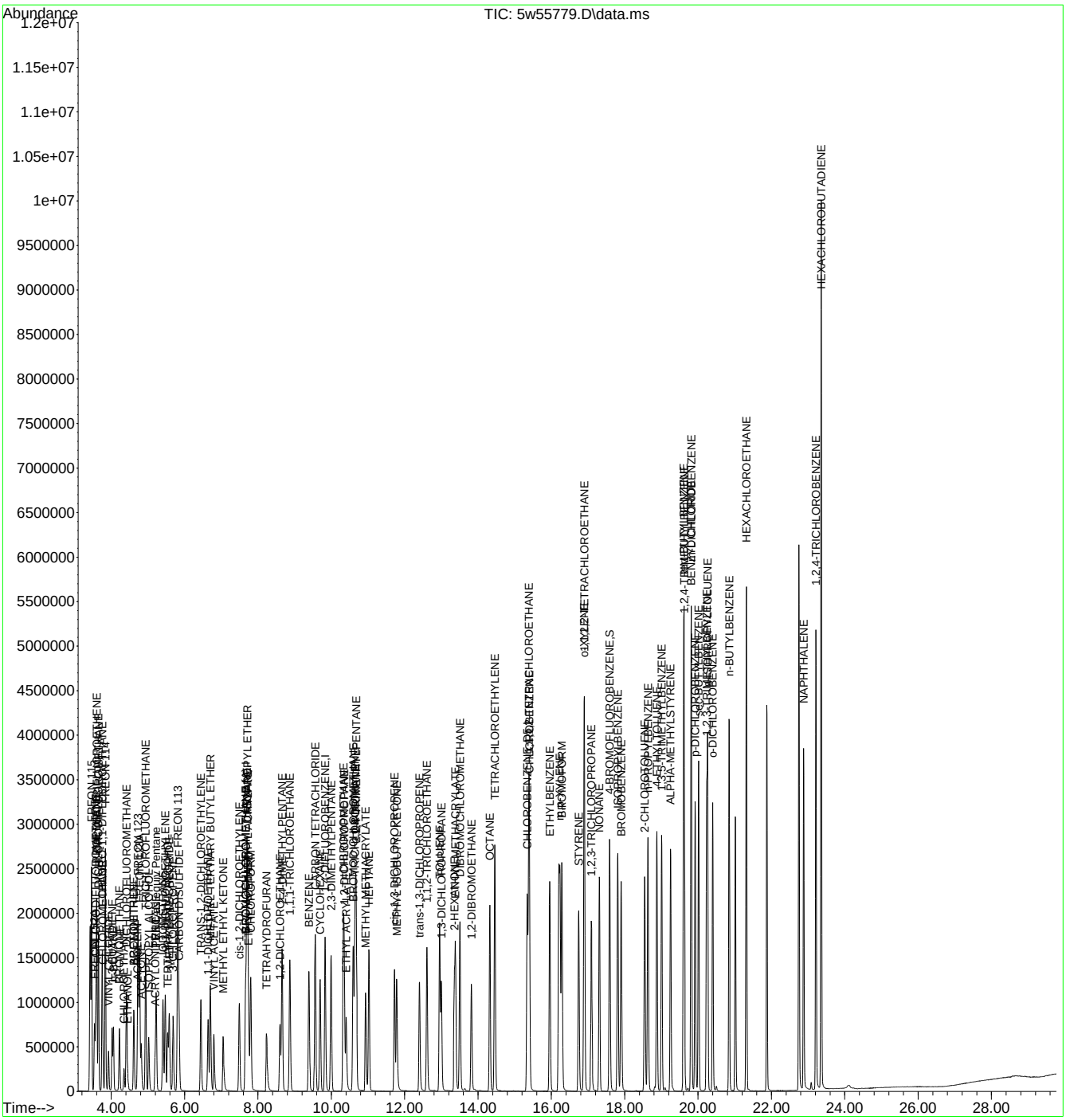
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55779.D
Acq On : 20 Dec 2024 1:55 pm
Operator : thomash
Sample : bs Inst : GCMS5W
Misc : MS88104,V5W2136,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 23 07:06:29 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55781.D
Acq On : 20 Dec 2024 3:34 pm
Operator : thomash
Sample : bsd Inst : GCMS5W
Misc : MS88104,V5W2136,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 23 07:07:13 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.663	128	369460	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.829	114	1679765	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	15.341	82	969387	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.663	128	369460	10.00	PPBV	#	0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	17.586	95	1076805	9.93	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 99.30%				
Target Compounds							Qvalue
2) FREON 115	3.466	119	652179	12.8956	PPBV		96
3) FREON 152A	3.546	65	330096	12.0761	PPBV		98
4) CHLORODIFLUOROMETHANE	3.576	67	165064	11.6459	PPBV		100
5) CHLOROTRIFLUOROETHENE	3.607	116	680233	10.6332	PPBV		99
6) DICHLORODIFLUOROMETHANE	3.656	85	1512526	11.2025	PPBV		99
7) PROPYLENE	3.601	41	393441	11.5701	PPBV		99
8) 1-CHLORO-1,1-DIFLUOROE...	3.760	65	1215798	8.7934	PPBV		99
9) FREON 114	3.845	85	1400828	8.4584	PPBV		96
10) CHLOROMETHANE	3.772	52	129040	7.4113	PPBV	#	66
11) VINYL CHLORIDE	3.931	62	444406	7.2483	PPBV		98
12) 1,3-BUTADIENE	4.029	54	286639	6.9665	PPBV		83
13) n-BUTANE	4.066	43	569571	7.2162	PPBV		98
14) BROMOMETHANE	4.231	94	463485	7.1741	PPBV		99
15) CHLOROETHANE	4.353	64	195048	6.9617	PPBV		97
16) DICHLOROFLUOROMETHANE	4.421	67	1046503	7.5565	PPBV		98
17) ACETONITRILE	4.616	41	311756	6.8380	PPBV		98
18) ACROLEIN	4.714	56	147358	7.4017	PPBV		100
19) FREON 123	4.733	83	1087109	7.7994	PPBV		99
20) FREON 123A	4.775	117	602804	8.1336	PPBV		99
21) TRICHLOROFLUOROMETHANE	4.941	101	1341767	10.7538	PPBV		100
22) ISOPROPYL ALCOHOL	5.026	45	872525	11.0369	PPBV		100
23) ACETONE	4.818	58	174504	5.8562	PPBV	#	81
24) PENTANE	5.228	42	475533	12.1087	PPBV		97
25) IODOMETHANE	5.418	142	1422146	13.6629	PPBV		92
26) 1,1-DICHLOROETHYLENE	5.479	96	468088	12.1042	PPBV		96
27) CARBON DISULFIDE	5.852	76	1408204	12.5864	PPBV		98
28) ETHANOL	4.451	45	193277	6.6708	PPBV		98
29) BROMOETHENE	4.616	106	440847	8.0102	PPBV		98
30) ACRYLONITRILE	5.197	52	288473	9.3193	PPBV		100
31) METHYLENE CHLORIDE	5.589	84	433740	11.1930	PPBV		96
32) 3-CHLOROPROPENE	5.693	76	234311	13.1131	PPBV		95
33) FREON 113	5.815	151	856373	13.3195	PPBV		86
34) TRANS-1,2-DICHLOROETHY...	6.446	96	483767	11.8380	PPBV		99
35) TERTIARY BUTYL ALCOHOL	5.540	59	857174	11.5264	PPBV		98
36) METHYL TERTIARY BUTYL ...	6.702	73	1396778	13.3351	PPBV		98
37) TETRAHYDROFURAN	8.232	72	224810	14.0206	PPBV		99
38) HEXANE	7.700	57	691663	11.9482	PPBV		98
39) VINYL ACETATE	6.800	86	91003	13.7536	PPBV	#	86
40) 1,1-DICHLOROETHANE	6.647	63	898409	11.8288	PPBV		98
41) METHYL ETHYL KETONE	7.051	72	237750	14.8352	PPBV		98
42) cis-1,2-DICHLOROETHYLENE	7.492	96	513245	12.1038	PPBV		100
43) DIISOPROPYL ETHER	7.712	59	207810	11.8178	PPBV		93
44) ETHYL ACETATE	7.749	61	159126	13.4600	PPBV	#	98
45) METHYL ACRYLATE	7.730	55	877087	12.4632	PPBV		99
46) CHLOROFORM	7.810	83	1144043	12.0624	PPBV		99
47) 2,4-DIMETHYLPENTANE	8.660	57	806062	12.7323	PPBV		98
48) 1,1,1-TRICHLOROETHANE	8.874	97	1140597	11.8439	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55781.D
Acq On : 20 Dec 2024 3:34 pm
Operator : thomash
Sample : bsd Inst : GCMS5W
Misc : MS88104,V5W2136,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 23 07:07:13 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
49)	CARBON TETRACHLORIDE	9.559	117	1232433	12.1088	PPBV		100
50)	1,2-DICHLOROETHANE	8.599	62	750596	12.1674	PPBV		99
52)	BENZENE	9.394	78	1524034	12.5175	PPBV		99
53)	CYCLOHEXANE	9.694	84	601732	13.1569	PPBV		97
54)	2,3-DIMETHYLPENTANE	9.994	71	318311	12.8910	PPBV		92
55)	TRICHLOROETHYLENE	10.648	95	697398	10.8652	PPBV		98
56)	1,2-DICHLOROPROPANE	10.355	63	553647	10.7133	PPBV		97
57)	DIBROMOMETHANE	10.330	174	878899	13.9880	PPBV		78
58)	ETHYL ACRYLATE	10.404	55	1076397	13.2038	PPBV		100
59)	BROMODICHLOROMETHANE	10.599	83	1302635	11.6218	PPBV		99
60)	2,2,4-TRIMETHYLPENTANE	10.679	57	2159376	11.6794	PPBV		99
61)	1,4-DIOXANE	10.667	88	332292	11.7197	PPBV		95
62)	HEPTANE	11.028	43	812411	12.5804	PPBV		98
63)	METHYL METHACRYLATE	10.930	69	547979	13.5383	PPBV		97
64)	METHYL ISOBUTYL KETONE	11.786	58	433216	12.5909	PPBV		92
65)	cis-1,3-DICHLOROPROPENE	11.725	75	1013809	12.9139	PPBV		99
66)	TOLUENE	12.955	92	1007513	11.8309	PPBV		99
67)	1,3-DICHLOROPROPANE	13.004	76	906658	12.1017	PPBV	#	99
68)	trans-1,3-DICHLOROPROPENE	12.404	75	913108	12.6367	PPBV		98
69)	1,1,2-TRICHLOROETHANE	12.606	83	595375	11.5733	PPBV		97
71)	2-HEXANONE	13.352	58	614674	13.4414	PPBV		91
72)	ETHYL METHACRYLATE	13.383	69	929643	13.8842	PPBV		99
73)	TETRACHLOROETHYLENE	14.460	164	847441	13.3840	PPBV		84
74)	DIBROMOCHLOROMETHANE	13.505	129	1236879	12.0136	PPBV		100
75)	1,2-DIBROMOETHANE	13.817	107	1042952	12.2164	PPBV		100
76)	OCTANE	14.325	43	1171200	13.7553	PPBV		98
77)	1,1,1,2-TETRACHLOROETHANE	15.383	131	785180	11.0453	PPBV		96
78)	CHLOROBENZENE	15.402	112	1362723	10.9199	PPBV		97
79)	ETHYLBENZENE	15.952	91	2284677	12.7835	PPBV		99
80)	m,p-XYLENE	16.228	106	1642770	24.2247	PPBV		98
81)	o-XYLENE	16.895	106	782182	11.8825	PPBV		98
82)	STYRENE	16.748	104	1268317	13.4334	PPBV		98
83)	NONANE	17.304	43	1183154	13.3154	PPBV		100
84)	BROMOFORM	16.289	173	1672241	15.8749	PPBV		99
86)	1,1,2,2-TETRACHLOROETHANE	16.901	83	1494937	11.2983	PPBV		100
87)	1,2,3-TRICHLOROPROPANE	17.090	75	1110452	11.6232	PPBV		97
88)	ISOPROPYLBENZENE	17.812	105	2329406	11.4361	PPBV		98
89)	BROMOBENZENE	17.904	77	1293238	11.2414	PPBV		91
90)	2-CHLOROTOLUENE	18.540	126	574317	11.2537	PPBV		100
91)	n-PROPYLBENZENE	18.632	120	610319	11.8192	PPBV		100
92)	4-ETHYLTOLUENE	18.877	105	2332909	12.4097	PPBV		100
93)	1,3,5-TRIMETHYLBENZENE	19.005	105	1934586	12.0414	PPBV		99
94)	ALPHA-METHYLSTYRENE	19.250	118	930336	10.7275	PPBV		98
95)	tert-BUTYLBENZENE	19.611	134	389480	11.1035	PPBV		99
96)	1,2,4-TRIMETHYLBENZENE	19.623	105	2006133	11.9012	PPBV		100
97)	m-DICHLOROBENZENE	19.813	146	1467435	11.0560	PPBV		96
98)	BENZYL CHLORIDE	19.807	91	1973103	10.9055	PPBV		98
99)	p-DICHLOROBENZENE	19.917	146	1461296	11.7924	PPBV		96
100)	sec-BUTYLBENZENE	20.015	134	471924	11.2763	PPBV		95
101)	1,2,3-TRIMETHYLBENZENE	20.235	105	1961083	11.4549	PPBV	#	99
102)	p-ISOPROPYLTOLUENE	20.259	134	537464	10.9270	PPBV		97
103)	o-DICHLOROBENZENE	20.400	146	1348451	11.1916	PPBV		96
104)	n-BUTYLBENZENE	20.853	134	525823	11.6214	PPBV		92
105)	HEXACHLOROETHANE	21.318	117	997211	11.8233	PPBV	#	78
106)	HEXACHLOROBUTADIENE	23.361	225	1925601	16.9876	PPBV		99
107)	1,2,4-TRICHLOROBENZENE	23.214	180	1612506	15.0202	PPBV		95
108)	NAPHTHALENE	22.878	128	2659668	11.2864	PPBV		100
110)	TVHC as equiv Pentane	5.228	TIC	3050934	10.5484	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55781.D
Acq On : 20 Dec 2024 3:34 pm
Operator : thomash
Sample : bsd Inst : GCMS5W
Misc : MS88104,V5W2136,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 23 07:07:13 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

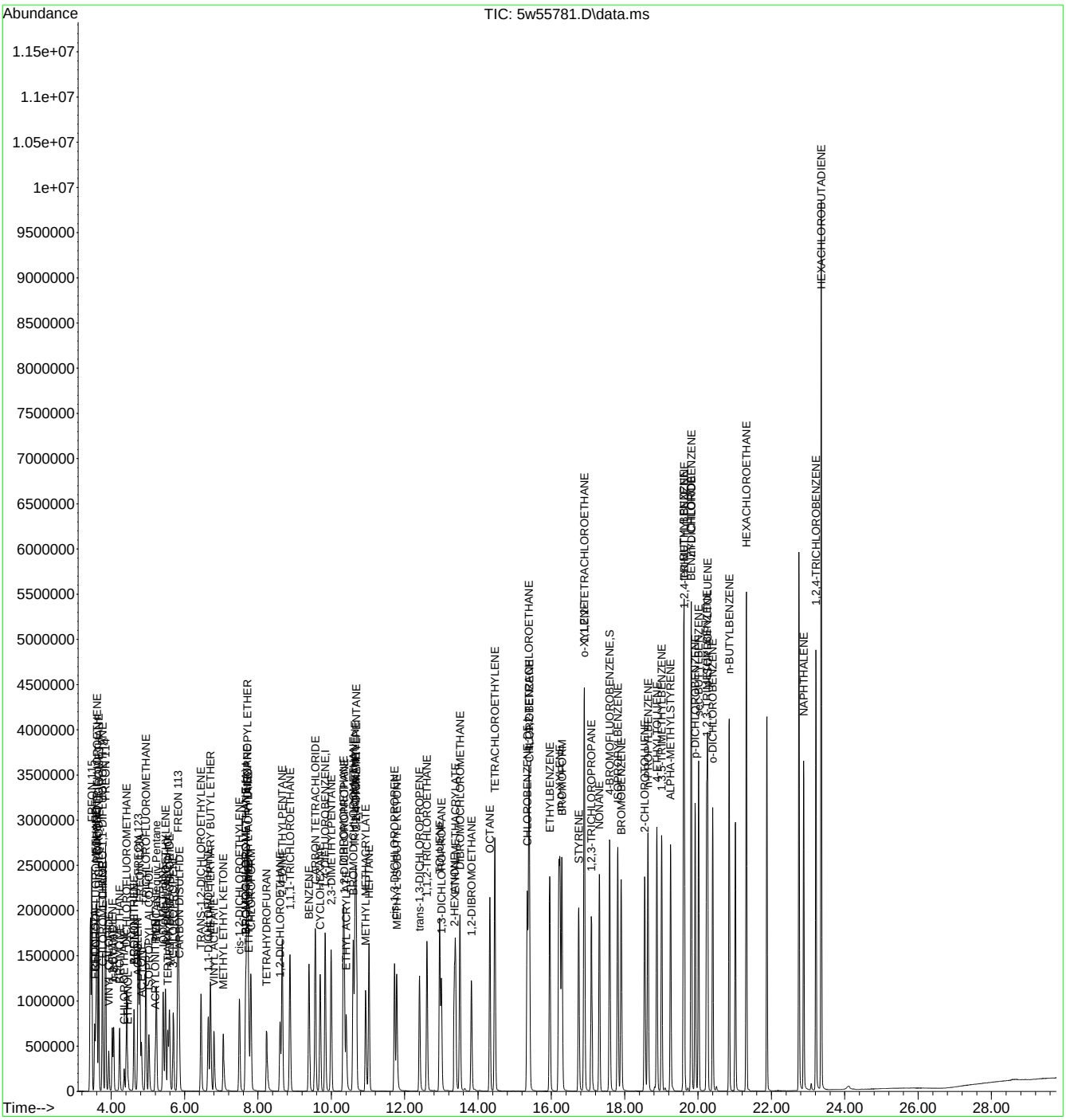
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55781.D
Acq On : 20 Dec 2024 3:34 pm
Operator : thomash
Sample : bsd Inst : GCMS5W
Misc : MS88104,V5W2136,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 23 07:07:13 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55820.D
Acq On : 23 Dec 2024 10:07 am
Operator : thomash
Sample : bs Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 24 04:40:30 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.663	128	261510	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.828	114	1220164	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	15.340	82	739045	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.663	128	261510	10.00	PPBV	#	0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	17.586	95	836030	10.11	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 101.10%				
Target Compounds							Qvalue
2) FREON 115	3.460	119	435542	12.1670	PPBV		92
3) FREON 152A	3.546	65	206251	10.6601	PPBV		96
4) CHLORODIFLUOROMETHANE	3.576	67	115623	11.5251	PPBV		98
5) CHLOROTRIFLUOROETHENE	3.607	116	448626	9.9077	PPBV		99
6) DICHLORODIFLUOROMETHANE	3.650	85	1068770	11.1835	PPBV		99
7) PROPYLENE	3.601	41	255077	10.5976	PPBV		99
8) 1-CHLORO-1,1-DIFLUOROE...	3.754	65	1110212	11.3443	PPBV		99
9) FREON 114	3.839	85	1395849	11.9075	PPBV		97
10) CHLOROMETHANE	3.772	52	121755	9.8796	PPBV	#	75
11) VINYL CHLORIDE	3.931	62	474344	10.9303	PPBV		99
12) 1,3-BUTADIENE	4.029	54	314422	10.7962	PPBV		90
13) n-BUTANE	4.059	43	614499	10.9991	PPBV		98
14) BROMOMETHANE	4.225	94	473815	10.3614	PPBV		99
15) CHLOROETHANE	4.353	64	209045	10.5413	PPBV		99
16) DICHLOROFLUOROMETHANE	4.414	67	1075661	10.9733	PPBV		99
17) ACETONITRILE	4.616	41	337949	10.4724	PPBV		99
18) ACROLEIN	4.708	56	158913	11.2771	PPBV		99
19) FREON 123	4.726	83	1099754	11.1472	PPBV		99
20) FREON 123A	4.775	117	583898	11.1307	PPBV		92
21) TRICHLOROFLUOROMETHANE	4.940	101	979961	11.0962	PPBV		100
22) ISOPROPYL ALCOHOL	5.026	45	584169	10.4397	PPBV		99
23) ACETONE	4.818	58	174923	8.2934	PPBV		93
24) PENTANE	5.228	42	305706	10.9976	PPBV		98
25) IODOMETHANE	5.411	142	929996	12.6229	PPBV		94
26) 1,1-DICHLOROETHYLENE	5.479	96	295468	10.7944	PPBV		99
27) CARBON DISULFIDE	5.846	76	900076	11.3656	PPBV		97
28) ETHANOL	4.451	45	219548	10.7055	PPBV		98
29) BROMOETHENE	4.616	106	436004	11.1924	PPBV		99
30) ACRYLONITRILE	5.197	52	184650	8.4277	PPBV		99
31) METHYLENE CHLORIDE	5.583	84	280229	10.2167	PPBV		99
32) 3-CHLOROPROPENE	5.687	76	146539	11.5863	PPBV		96
33) FREON 113	5.815	151	584172	12.8365	PPBV		84
34) TRANS-1,2-DICHLOROETHY...	6.445	96	304959	10.5430	PPBV		100
35) TERTIARY BUTYL ALCOHOL	5.540	59	575995	10.9427	PPBV		97
36) METHYL TERTIARY BUTYL ...	6.702	73	907918	12.2460	PPBV		98
37) TETRAHYDROFURAN	8.232	72	145513	12.8213	PPBV		99
38) HEXANE	7.699	57	454860	11.1011	PPBV		90
39) VINYL ACETATE	6.800	86	55543	11.8596	PPBV		95
40) 1,1-DICHLOROETHANE	6.641	63	591602	11.0046	PPBV		99
41) METHYL ETHYL KETONE	7.051	72	152312	13.4272	PPBV		96
42) cis-1,2-DICHLOROETHYLENE	7.491	96	329425	10.9757	PPBV		99
43) DIISOPROPYL ETHER	7.706	59	142775	11.4710	PPBV		95
44) ETHYL ACETATE	7.742	61	102628	12.2645	PPBV	#	38
45) METHYL ACRYLATE	7.724	55	584502	11.7341	PPBV		99
46) CHLOROFORM	7.803	83	767097	11.4267	PPBV		99
47) 2,4-DIMETHYLPENTANE	8.654	57	522441	11.6588	PPBV		98
48) 1,1,1-TRICHLOROETHANE	8.868	97	768664	11.2766	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55820.D
Acq On : 23 Dec 2024 10:07 am
Operator : thomash
Sample : bs Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 24 04:40:30 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
49)	CARBON TETRACHLORIDE	9.559	117	826856	11.4774	PPBV		99
50)	1,2-DICHLOROETHANE	8.599	62	528775	12.1099	PPBV		98
52)	BENZENE	9.394	78	999972	11.3069	PPBV		99
53)	CYCLOHEXANE	9.694	84	395809	11.9143	PPBV		96
54)	2,3-DIMETHYLPENTANE	9.994	71	209669	11.6896	PPBV		94
55)	TRICHLOROETHYLENE	10.642	95	479539	10.2852	PPBV		96
56)	1,2-DICHLOROPROPANE	10.355	63	379577	10.1116	PPBV		97
57)	DIBROMOMETHANE	10.324	174	613084	13.4328	PPBV		78
58)	ETHYL ACRYLATE	10.403	55	713058	12.0415	PPBV		100
59)	BROMODICHLOROMETHANE	10.599	83	902814	11.0886	PPBV		99
60)	2,2,4-TRIMETHYLPENTANE	10.679	57	1456334	10.8438	PPBV		98
61)	1,4-DIOXANE	10.660	88	226125	10.9793	PPBV	#	75
62)	HEPTANE	11.021	43	559547	11.9285	PPBV		97
63)	METHYL METHACRYLATE	10.930	69	370058	12.5864	PPBV		98
64)	METHYL ISOBUTYL KETONE	11.786	58	295122	11.8083	PPBV		91
65)	cis-1,3-DICHLOROPROPENE	11.725	75	683916	11.9931	PPBV		95
66)	TOLUENE	12.955	92	684307	11.0624	PPBV		99
67)	1,3-DICHLOROPROPANE	12.997	76	618417	11.3636	PPBV	#	99
68)	trans-1,3-DICHLOROPROPENE	12.398	75	622875	11.8671	PPBV		97
69)	1,1,2-TRICHLOROETHANE	12.606	83	407784	10.9126	PPBV		97
71)	2-HEXANONE	13.352	58	429260	12.3125	PPBV		91
72)	ETHYL METHACRYLATE	13.383	69	646480	12.6645	PPBV		98
73)	TETRACHLOROETHYLENE	14.460	164	624535	12.9377	PPBV		80
74)	DIBROMOCHLOROMETHANE	13.505	129	853319	10.8713	PPBV		100
75)	1,2-DIBROMOETHANE	13.817	107	711606	10.9331	PPBV		100
76)	OCTANE	14.319	43	816104	12.5722	PPBV		96
77)	1,1,1,2-TETRACHLOROETHANE	15.383	131	546604	10.0857	PPBV		94
78)	CHLOROBENZENE	15.402	112	943953	9.9217	PPBV		96
79)	ETHYLBENZENE	15.952	91	1578139	11.5824	PPBV		99
80)	m,p-XYLENE	16.228	106	1160738	22.4513	PPBV		97
81)	o-XYLENE	16.894	106	570900	11.3759	PPBV		97
82)	STYRENE	16.748	104	881254	12.2430	PPBV		98
83)	NONANE	17.304	43	855635	12.6307	PPBV		100
84)	BROMOFORM	16.283	173	1244331	15.4944	PPBV		98
86)	1,1,2,2-TETRACHLOROETHANE	16.900	83	1091266	10.8180	PPBV		99
87)	1,2,3-TRICHLOROPROPANE	17.090	75	772534	10.6065	PPBV		96
88)	ISOPROPYLBENZENE	17.806	105	1663712	10.7137	PPBV		98
89)	BROMOBENZENE	17.898	77	908292	10.3561	PPBV		87
90)	2-CHLOROTOLUENE	18.540	126	404822	10.4048	PPBV		99
91)	n-PROPYLBENZENE	18.632	120	438991	11.1510	PPBV		99
92)	4-ETHYLTOLUENE	18.870	105	1699251	11.8562	PPBV		99
93)	1,3,5-TRIMETHYLBENZENE	19.005	105	1427244	11.6524	PPBV		99
94)	ALPHA-METHYLSTYRENE	19.250	118	689616	10.4302	PPBV		98
95)	tert-BUTYLBENZENE	19.611	134	310532	11.6120	PPBV		96
96)	1,2,4-TRIMETHYLBENZENE	19.623	105	1559354	12.1339	PPBV		100
97)	m-DICHLOROBENZENE	19.813	146	1162992	11.4932	PPBV		96
98)	BENZYL CHLORIDE	19.806	91	1518557	11.0091	PPBV		98
99)	p-DICHLOROBENZENE	19.917	146	1130128	11.9623	PPBV		96
100)	sec-BUTYLBENZENE	20.014	134	371490	11.6430	PPBV		99
101)	1,2,3-TRIMETHYLBENZENE	20.229	105	1526287	11.6939	PPBV	#	99
102)	p-ISOPROPYLTOLUENE	20.259	134	432133	11.5238	PPBV		97
103)	o-DICHLOROBENZENE	20.400	146	1057891	11.5166	PPBV		96
104)	n-BUTYLBENZENE	20.846	134	421124	12.2083	PPBV		96
105)	HEXACHLOROETHANE	21.311	117	797963	12.4097	PPBV	#	75
106)	HEXACHLOROBUTADIENE	23.251	225	1735482	20.0822	PPBV		99
107)	1,2,4-TRICHLOROBENZENE	23.116	180	1444730	17.6517	PPBV		96
108)	NAPHTHALENE	22.798	128	2169419	12.0753	PPBV		100
110)	TVHC as equiv Pentane	5.228	TIC	1999126	9.7650	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55820.D
Acq On : 23 Dec 2024 10:07 am
Operator : thomash
Sample : bs Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 24 04:40:30 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

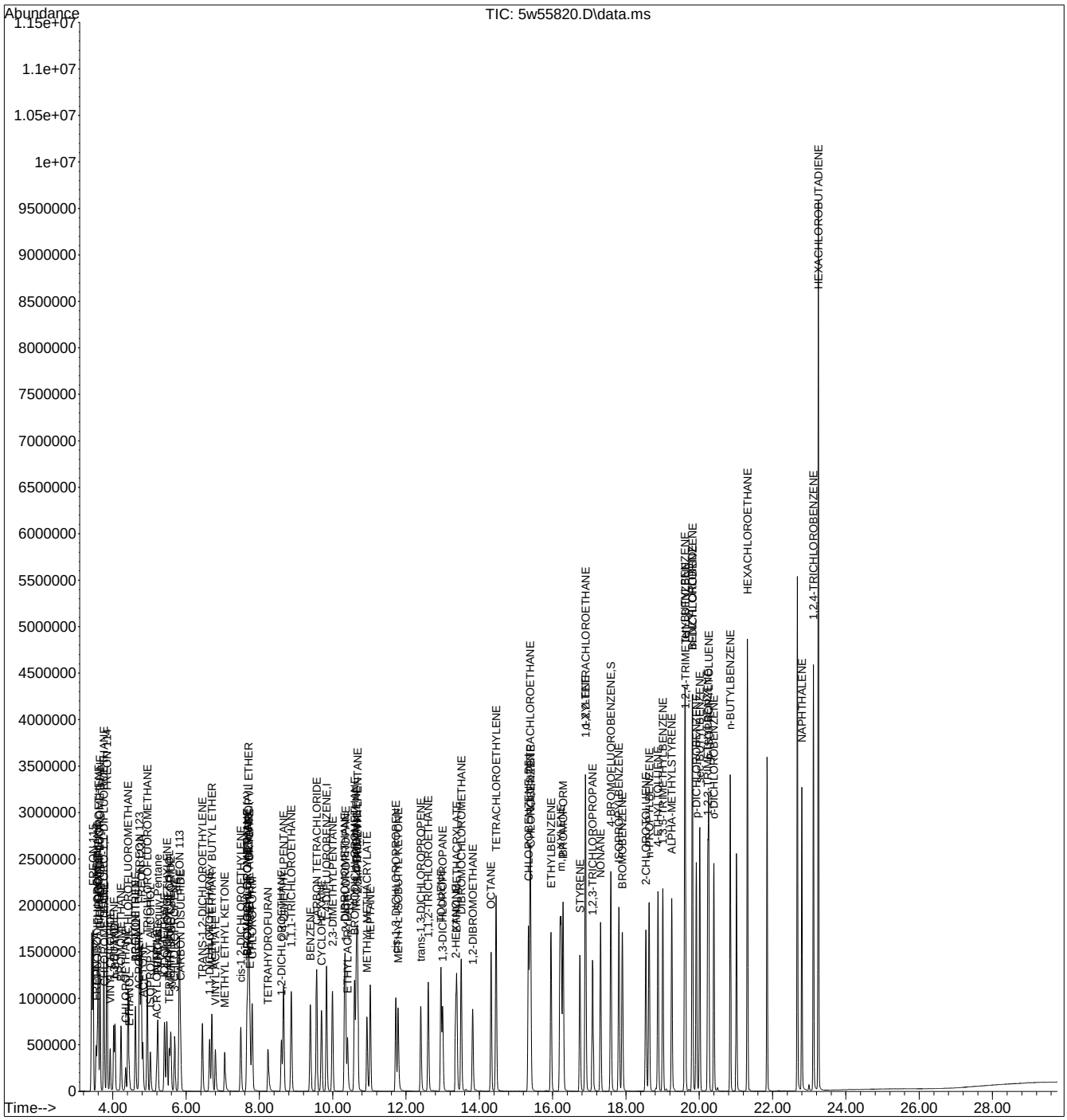
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55820.D
Acq On : 23 Dec 2024 10:07 am
Operator : thomash
Sample : bs Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 24 04:40:30 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55821.D
Acq On : 23 Dec 2024 11:17 am
Operator : thomash
Sample : bsd Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 24 04:40:56 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.663	128	260595	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.829	114	1218483	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	15.341	82	736456	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.663	128	260595	10.00	PPBV	#	0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	17.586	95	821814	9.97	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 99.70%				
Target Compounds							Qvalue
2) FREON 115	3.466	119	449247	12.5939	PPBV		93
3) FREON 152A	3.546	65	217658	11.2892	PPBV		97
4) CHLORODIFLUOROMETHANE	3.576	67	120188	12.0222	PPBV		100
5) CHLOROTRIFLUOROETHENE	3.607	116	469888	10.4137	PPBV		99
6) DICHLORODIFLUOROMETHANE	3.656	85	1112978	11.6870	PPBV		100
7) PROPYLENE	3.601	41	264221	11.0160	PPBV		98
8) 1-CHLORO-1,1-DIFLUOROE...	3.754	65	1147260	11.7641	PPBV		99
9) FREON 114	3.839	85	1434228	12.2779	PPBV		97
10) CHLOROMETHANE	3.772	52	128640	10.4749	PPBV	#	85
11) VINYL CHLORIDE	3.931	62	488468	11.2953	PPBV		99
12) 1,3-BUTADIENE	4.029	54	323570	11.1494	PPBV		89
13) n-BUTANE	4.066	43	634013	11.3883	PPBV		99
14) BROMOMETHANE	4.231	94	482246	10.5828	PPBV		99
15) CHLOROETHANE	4.353	64	214284	10.8434	PPBV		98
16) DICHLOROFLUOROMETHANE	4.421	67	1100649	11.2676	PPBV		99
17) ACETONITRILE	4.616	41	348841	10.8478	PPBV		99
18) ACROLEIN	4.714	56	160344	11.4186	PPBV		98
19) FREON 123	4.733	83	1129119	11.4850	PPBV		99
20) FREON 123A	4.775	117	597237	11.4250	PPBV		91
21) TRICHLOROFLUOROMETHANE	4.941	101	1007977	11.4535	PPBV		100
22) ISOPROPYL ALCOHOL	5.026	45	602862	10.8116	PPBV		98
23) ACETONE	4.818	58	177842	8.4614	PPBV		89
24) PENTANE	5.228	42	318079	11.4829	PPBV		97
25) IODOMETHANE	5.418	142	940571	12.8113	PPBV		95
26) 1,1-DICHLOROETHYLENE	5.479	96	301140	11.0402	PPBV		100
27) CARBON DISULFIDE	5.846	76	918708	11.6416	PPBV		97
28) ETHANOL	4.451	45	231068	11.3068	PPBV		99
29) BROMOETHENE	4.616	106	443163	11.4161	PPBV		98
30) ACRYLONITRILE	5.197	52	188676	8.6417	PPBV		99
31) METHYLENE CHLORIDE	5.589	84	282870	10.3492	PPBV		99
32) 3-CHLOROPROPENE	5.693	76	151425	12.0146	PPBV		96
33) FREON 113	5.815	151	593594	13.0893	PPBV		84
34) TRANS-1,2-DICHLOROETHY...	6.445	96	309546	10.7391	PPBV		99
35) TERTIARY BUTYL ALCOHOL	5.540	59	588972	11.2285	PPBV		97
36) METHYL TERTIARY BUTYL ...	6.702	73	924243	12.5099	PPBV		98
37) TETRAHYDROFURAN	8.238	72	148865	13.1627	PPBV		98
38) HEXANE	7.700	57	464407	11.3739	PPBV		89
39) VINYL ACETATE	6.800	86	57228	12.2623	PPBV		98
40) 1,1-DICHLOROETHANE	6.647	63	606542	11.3221	PPBV		99
41) METHYL ETHYL KETONE	7.051	72	153117	13.5456	PPBV		91
42) cis-1,2-DICHLOROETHYLENE	7.492	96	334930	11.1983	PPBV		99
43) DIISOPROPYL ETHER	7.712	59	146643	11.8231	PPBV		96
44) ETHYL ACETATE	7.742	61	105256	12.6227	PPBV	#	98
45) METHYL ACRYLATE	7.724	55	594885	11.9845	PPBV		100
46) CHLOROFORM	7.804	83	776162	11.6023	PPBV		98
47) 2,4-DIMETHYLPENTANE	8.654	57	531550	11.9037	PPBV		98
48) 1,1,1-TRICHLOROETHANE	8.868	97	780498	11.4904	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55821.D
Acq On : 23 Dec 2024 11:17 am
Operator : thomash
Sample : bsd Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 24 04:40:56 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
49)	CARBON TETRACHLORIDE	9.559	117	837796	11.6701	PPBV		100
50)	1,2-DICHLOROETHANE	8.599	62	539227	12.3926	PPBV		98
52)	BENZENE	9.394	78	1003786	11.3656	PPBV		99
53)	CYCLOHEXANE	9.694	84	399516	12.0424	PPBV		97
54)	2,3-DIMETHYLPENTANE	9.994	71	210768	11.7671	PPBV		96
55)	TRICHLOROETHYLENE	10.642	95	486023	10.4386	PPBV		96
56)	1,2-DICHLOROPROPANE	10.355	63	386594	10.3128	PPBV		97
57)	DIBROMOMETHANE	10.324	174	618370	13.5673	PPBV		78
58)	ETHYL ACRYLATE	10.404	55	724833	12.2573	PPBV		99
59)	BROMODICHLOROMETHANE	10.599	83	912837	11.2272	PPBV		99
60)	2,2,4-TRIMETHYLPENTANE	10.679	57	1481841	11.0490	PPBV		98
61)	1,4-DIOXANE	10.661	88	230304	11.1977	PPBV	#	69
62)	HEPTANE	11.022	43	571625	12.2028	PPBV		97
63)	METHYL METHACRYLATE	10.930	69	373765	12.7300	PPBV		99
64)	METHYL ISOBUTYL KETONE	11.780	58	300871	12.0549	PPBV		91
65)	cis-1,3-DICHLOROPROPENE	11.725	75	694724	12.1995	PPBV		95
66)	TOLUENE	12.955	92	695165	11.2535	PPBV		99
67)	1,3-DICHLOROPROPANE	12.998	76	626759	11.5328	PPBV	#	99
68)	trans-1,3-DICHLOROPROPENE	12.398	75	629861	12.0167	PPBV		96
69)	1,1,2-TRICHLOROETHANE	12.606	83	408547	10.9481	PPBV		97
71)	2-HEXANONE	13.352	58	433718	12.4841	PPBV		90
72)	ETHYL METHACRYLATE	13.383	69	649699	12.7723	PPBV		97
73)	TETRACHLOROETHYLENE	14.460	164	628041	13.0561	PPBV		80
74)	DIBROMOCHLOROMETHANE	13.505	129	864792	11.0562	PPBV		99
75)	1,2-DIBROMOETHANE	13.817	107	720274	11.1052	PPBV		100
76)	OCTANE	14.319	43	827456	12.7918	PPBV		97
77)	1,1,1,2-TETRACHLOROETHANE	15.383	131	554894	10.2747	PPBV		94
78)	CHLOROBENZENE	15.402	112	957513	10.0996	PPBV		96
79)	ETHYLBENZENE	15.952	91	1595928	11.7541	PPBV		99
80)	m,p-XYLENE	16.228	106	1172853	22.7654	PPBV		98
81)	o-XYLENE	16.895	106	573106	11.4600	PPBV		97
82)	STYRENE	16.742	104	890827	12.4195	PPBV		98
83)	NONANE	17.304	43	870573	12.8964	PPBV		100
84)	BROMOFORM	16.283	173	1256261	15.6980	PPBV		98
86)	1,1,2,2-TETRACHLOROETHANE	16.901	83	1106434	11.0070	PPBV		99
87)	1,2,3-TRICHLOROPROPANE	17.090	75	776868	10.7035	PPBV		96
88)	ISOPROPYLBENZENE	17.806	105	1675508	10.8276	PPBV		98
89)	BROMOBENZENE	17.904	77	921247	10.5407	PPBV		88
90)	2-CHLOROTOLUENE	18.540	126	406945	10.4962	PPBV		99
91)	n-PROPYLBENZENE	18.632	120	439908	11.2136	PPBV		100
92)	4-ETHYLTOLUENE	18.871	105	1717986	12.0291	PPBV		99
93)	1,3,5-TRIMETHYLBENZENE	19.005	105	1441798	11.8126	PPBV		99
94)	ALPHA-METHYLSTYRENE	19.250	118	698121	10.5959	PPBV		99
95)	tert-BUTYLBENZENE	19.605	134	309708	11.6219	PPBV		98
96)	1,2,4-TRIMETHYLBENZENE	19.623	105	1577032	12.3146	PPBV		100
97)	m-DICHLOROBENZENE	19.813	146	1174475	11.6475	PPBV		96
98)	BENZYL CHLORIDE	19.807	91	1538320	11.1916	PPBV		98
99)	p-DICHLOROBENZENE	19.917	146	1146194	12.1751	PPBV		96
100)	sec-BUTYLBENZENE	20.015	134	375367	11.8059	PPBV		100
101)	1,2,3-TRIMETHYLBENZENE	20.229	105	1540403	11.8435	PPBV	#	99
102)	p-ISOPROPYLTOLUENE	20.259	134	438132	11.7248	PPBV		98
103)	o-DICHLOROBENZENE	20.400	146	1074336	11.7368	PPBV		95
104)	n-BUTYLBENZENE	20.847	134	428450	12.4643	PPBV		95
105)	HEXACHLOROETHANE	21.312	117	806422	12.5853	PPBV	#	74
106)	HEXACHLOROBUTADIENE	23.251	225	1781369	20.6856	PPBV		99
107)	1,2,4-TRICHLOROBENZENE	23.116	180	1458721	17.8853	PPBV		96
108)	NAPHTHALENE	22.798	128	2203206	12.3065	PPBV		100
110)	TVHC as equiv Pentane	5.228	TIC	2091566	10.2524	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55821.D
Acq On : 23 Dec 2024 11:17 am
Operator : thomash
Sample : bsd Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 24 04:40:56 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

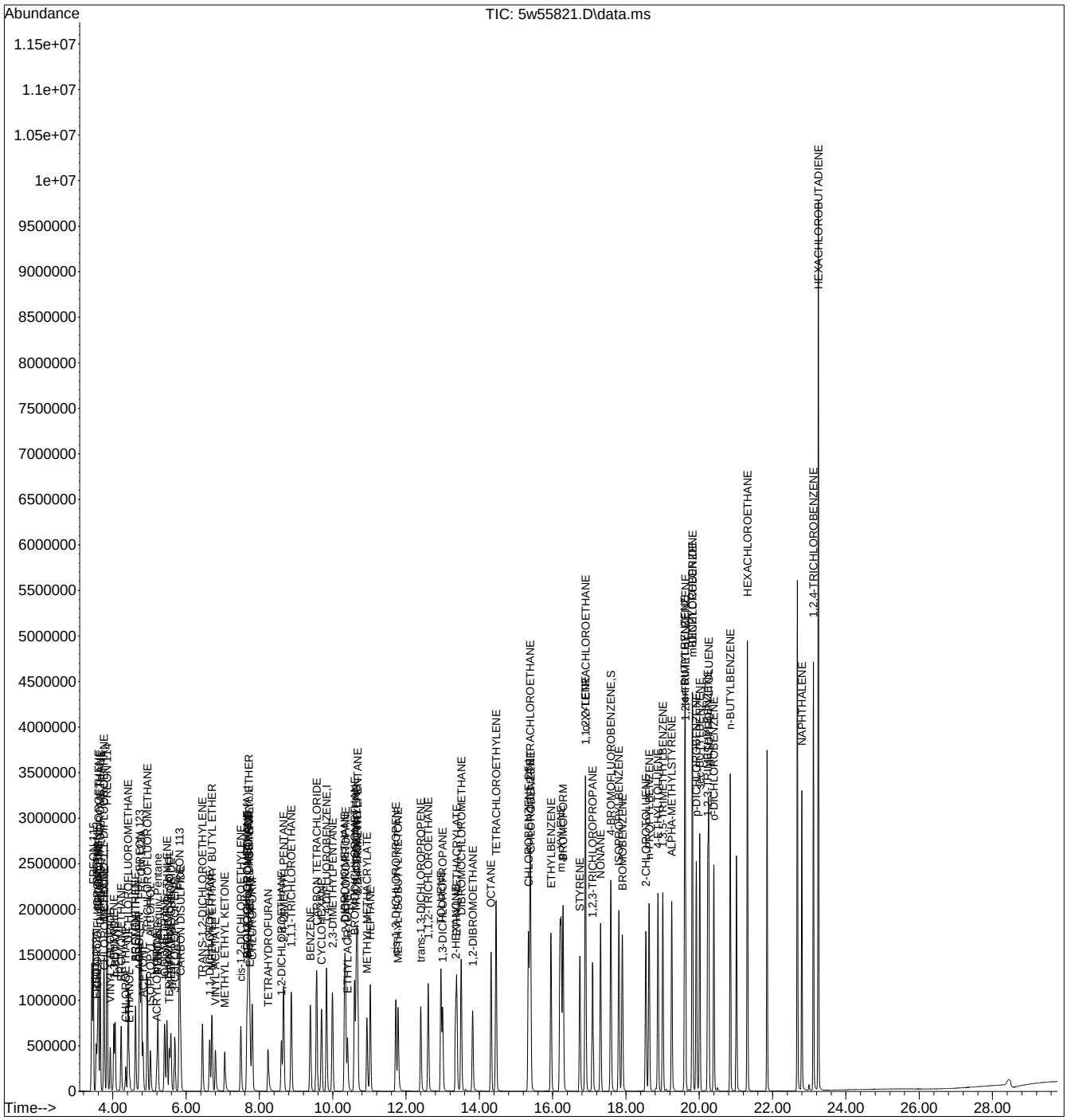
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55821.D
Acq On : 23 Dec 2024 11:17 am
Operator : thomash
Sample : bsd Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 24 04:40:56 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\01-07-2025\V7W414\
Data File : 7w11536.D
Acq On : 6 Jan 2025 9:31 pm
Operator : benk
Sample : bs Inst : MS7W
Misc : MS88278,v7w414,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 07 19:05:21 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.229	128	132197	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.496	114	641005	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.033	117	614319	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.229	128	132197	10.00	PPBV	0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.383	95	454920	10.21	PPBV	0.00
Target Compounds						Qvalue
3) FREON 152A	1.625	65	72568	11.5272	PPBV	94
4) CHLORODIFLUOROMETHANE	1.638	67	37309	11.6741	PPBV	99
5) CHLOROTRIFLUOROETHENE	1.651	116	169829	11.0318	PPBV	94
6) DICHLORODIFLUOROMETHANE	1.667	85	382279	11.5979	PPBV	100
7) PROPYLENE	1.647	41	100249	11.5557	PPBV	98
8) 1-CHLORO-1,1-DIFLUOROE...	1.705	65	281377	11.5260	PPBV	99
9) FREON 114	1.737	85	321399	12.2928	PPBV	97
10) CHLOROMETHANE	1.708	52	40223	11.7551	PPBV	98
11) VINYL CHLORIDE	1.769	62	140169	12.6774	PPBV	100
12) 1,3-BUTADIENE	1.808	54	113158	12.0113	PPBV	98
13) N-BUTANE	1.824	43	212748	12.4087	PPBV	98
14) BROMOMETHANE	1.885	94	109831	11.1112	PPBV	99
15) CHLOROETHANE	1.933	64	72530	12.1216	PPBV	92
16) DICHLOROFLUOROMETHANE	1.956	67	286183	12.2777	PPBV	99
17) ACETONITRILE	2.023	41	124503	11.7178	PPBV	99
18) ACROLEIN	2.062	56	63653	11.4063	PPBV	100
19) FREON 123	2.078	83	289548	11.5111	PPBV	99
20) FREON 123A	2.094	117	178633	11.4063	PPBV	88
21) TRICHLOROFLUOROMETHANE	2.159	101	336264	11.5844	PPBV	100
22) ISOPROPYL ALCOHOL	2.178	45	291491	11.9023	PPBV	100
23) ACETONE	2.101	58	72080	9.3845	PPBV	96
24) PENTANE	2.274	42	153772	13.0718	PPBV	97
25) IODOMETHANE	2.335	142	308748	11.6060	PPBV	98
26) 1,1-DICHLOROETHYLENE	2.361	96	121170	10.5710	PPBV	93
27) CARBON DISULFIDE	2.496	76	349057	12.2283	PPBV	99
28) ETHANOL	1.962	45	79866	11.9129	PPBV	99
29) BROMOETHENE	2.033	106	115907	11.0064	PPBV	100
30) ACRYLONITRILE	2.242	52	104334	10.9751	PPBV	99
31) METHYLENE CHLORIDE	2.400	84	108606	10.3797	PPBV	92
32) 3-CHLOROPROPENE	2.441	76	61312	11.2636	PPBV	90
33) FREON 113	2.496	151	190331	10.9667	PPBV	94
34) TRANS-1,2-DICHLOROETHENE	2.721	96	128189	10.7427	PPBV	96
35) TERTIARY BUTYL ALCOHOL	2.377	59	309101	10.9745	PPBV	97
36) METHYL TERTIARY BUTYL ...	2.827	73	378920	11.1046	PPBV	99
37) TETRAHYDROFURAN	3.509	72	61775	11.6828	PPBV	88
38) HEXANE	3.281	57	247996	11.3906	PPBV	97
39) VINYL ACETATE	2.863	86	34037	10.5390	PPBV #	67
40) 1,1-DICHLOROETHANE	2.795	63	253538	11.8751	PPBV	99
41) METHYL ETHYL KETONE	2.959	72	67042	11.4148	PPBV	85
42) CIS-1,2-DICHLOROETHENE	3.152	96	136379	11.0962	PPBV	94
43) DIISOPROPYL ETHER	3.284	59	71632	11.8802	PPBV	91
44) ETHYL ACETATE	3.287	61	49381	11.8378	PPBV	76
45) METHYL ACRYLATE	3.274	55	300626	12.2903	PPBV #	100
46) CHLOROFORM	3.300	83	282835	11.7054	PPBV	99
47) 2,4-DIMETHYLPENTANE	3.789	57	287693	11.9514	PPBV	97
48) 1,1,1-TRICHLOROETHANE	3.866	97	295389	11.4000	PPBV	98
49) CARBON TETRACHLORIDE	4.284	117	302531	11.7725	PPBV	99
50) 1,2-DICHLOROETHANE	3.705	62	227307	12.5648	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\01-07-2025\V7W414\
Data File : 7w11536.D
Acq On : 6 Jan 2025 9:31 pm
Operator : benk
Sample : bs Inst : MS7W
Misc : MS88278,v7w414,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 07 19:05:21 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51)	BENZENE	4.175	78	398498	11.2869	PPBV	96
53)	CYCLOHEXANE	4.380	84	175390	11.5811	PPBV	90
54)	2,3-DIMETHYLPENTANE	4.634	71	93807	11.7976	PPBV	90
55)	TRICHLOROETHENE	5.065	95	188236	11.5524	PPBV	98
56)	1,2-DICHLOROPROPANE	4.834	63	165831	11.9296	PPBV	99
57)	DIBROMOMETHANE	4.792	174	165684	10.8217	PPBV	100
58)	ETHYL ACRYLATE	4.949	55	370908	12.5576	PPBV	99
59)	BROMODICHLOROMETHANE	5.011	83	309290	11.9145	PPBV	98
60)	2,2,4-TRIMETHYLPENTANE	5.155	57	779720	12.6499	PPBV	99
61)	1,4-DIOXANE	5.081	88	98717	10.8655	PPBV	97
62)	HEPTANE	5.470	43	288977	13.3404	PPBV	95
63)	METHYL METHACRYLATE	5.367	69	155923	11.1999	PPBV	89
64)	METHYL ISOBUTYL KETONE	6.097	58	151685	11.7293	PPBV	95
65)	CIS-1,3-DICHLOROPROPENE	5.991	75	256455	11.7805	PPBV	96
66)	TOLUENE	7.190	91	504851	11.1463	PPBV	100
67)	1,3-DICHLOROPROPANE	7.245	76	254850	12.0477	PPBV	99
68)	TRANS-1,3-DICHLOROPROPENE	6.666	75	226422	11.0638	PPBV	97
69)	1,1,2-TRICHLOROETHANE	6.824	83	145396	11.6782	PPBV	100
70)	2-HEXANONE	7.760	58	208947	10.3470	PPBV	96
71)	ETHYL METHACRYLATE	7.888	69	262331	10.8384	PPBV	93
72)	TETRACHLOROETHENE	8.907	164	205760	11.9898	PPBV	98
73)	DIBROMOCHLOROMETHANE	7.718	129	305541	11.6808	PPBV	100
74)	1,2-DIBROMOETHANE	8.059	107	278710	12.2285	PPBV	100
75)	OCTANE	9.059	43	400671	13.0548	PPBV	94
77)	1,1,1,2-TETRACHLOROETHANE	10.123	131	222994	11.3574	PPBV	99
78)	CHLOROBENZENE	10.110	112	413537	11.5683	PPBV	97
79)	ETHYLBENZENE	10.988	91	683788	11.3010	PPBV	99
80)	M,P-XYLENE	11.415	91	1083695	22.8476	PPBV	98
81)	O-XYLENE	12.345	91	553830	11.6261	PPBV	99
82)	STYRENE	12.136	104	417418	12.2348	PPBV	100
83)	NONANE	13.470	43	428487	13.0952	PPBV	95
84)	BROMOFORM	11.229	173	273191	11.6001	PPBV	99
85)	1,1,2,2-TETRACHLOROETHANE	12.361	83	388271	12.2472	PPBV	100
86)	1,2,3-TRICHLOROPROPANE	12.640	75	309490	12.2365	PPBV	100
88)	ISOPROPYLBENZENE	13.859	120	208468	11.4549	PPBV	97
89)	BROMOBENZENE	13.724	77	385342	11.3585	PPBV	97
90)	2-CHLOROTOLUENE	14.856	126	185913	11.2300	PPBV	100
91)	N-PROPYLBENZENE	15.200	120	218050	11.8212	PPBV	100
92)	4-ETHYLTOLUENE	15.640	105	810096	12.2445	PPBV	98
93)	1,3,5-TRIMETHYLBENZENE	15.914	105	677862	12.1747	PPBV	98
94)	ALPHA-METHYLSTYRENE	16.216	118	337470	11.8680	PPBV	99
95)	TERT-BUTYLBENZENE	16.528	134	159796	11.9914	PPBV	95
96)	1,2,4-TRIMETHYLBENZENE	16.537	105	701805	12.4962	PPBV	98
97)	BENZYL CHLORIDE	16.627	91	505274	10.1602	PPBV	98
98)	M-DICHLOROBENZENE	16.598	146	452803	11.8204	PPBV	100
99)	P-DICHLOROBENZENE	16.692	146	460870	12.3614	PPBV	99
100)	O-DICHLOROBENZENE	17.007	146	431701	11.9348	PPBV	100
101)	SEC-BUTYLBENZENE	16.836	134	201368	12.1261	PPBV	94
102)	1,2,3-TRIMETHYLBENZENE	16.955	105	677023	12.0347	PPBV	99
103)	P-ISOPROPYLTOLUENE	17.029	134	221917	12.0550	PPBV	97
104)	N-BUTYLBENZENE	17.389	134	217494	12.0925	PPBV	92
105)	HEXACHLOROETHANE	17.569	117	234100	10.9254	PPBV	98
106)	HEXACHLOROBUTADIENE	18.621	225	354184	13.1631	PPBV	100
107)	1,2,4-TRICHLOROBENZENE	18.312	180	413163	13.3630	PPBV	100
108)	NAPHTHALENE	18.360	128	881442	12.8448	PPBV	100
110)	TVHC as equiv Pentane	2.274	TIC	721808	12.8592	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\01-07-2025\V7W414\
Data File : 7w11536.D
Acq On : 6 Jan 2025 9:31 pm
Operator : benk
Sample : bs Inst : MS7W
Misc : MS88278,v7w414,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 07 19:05:21 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

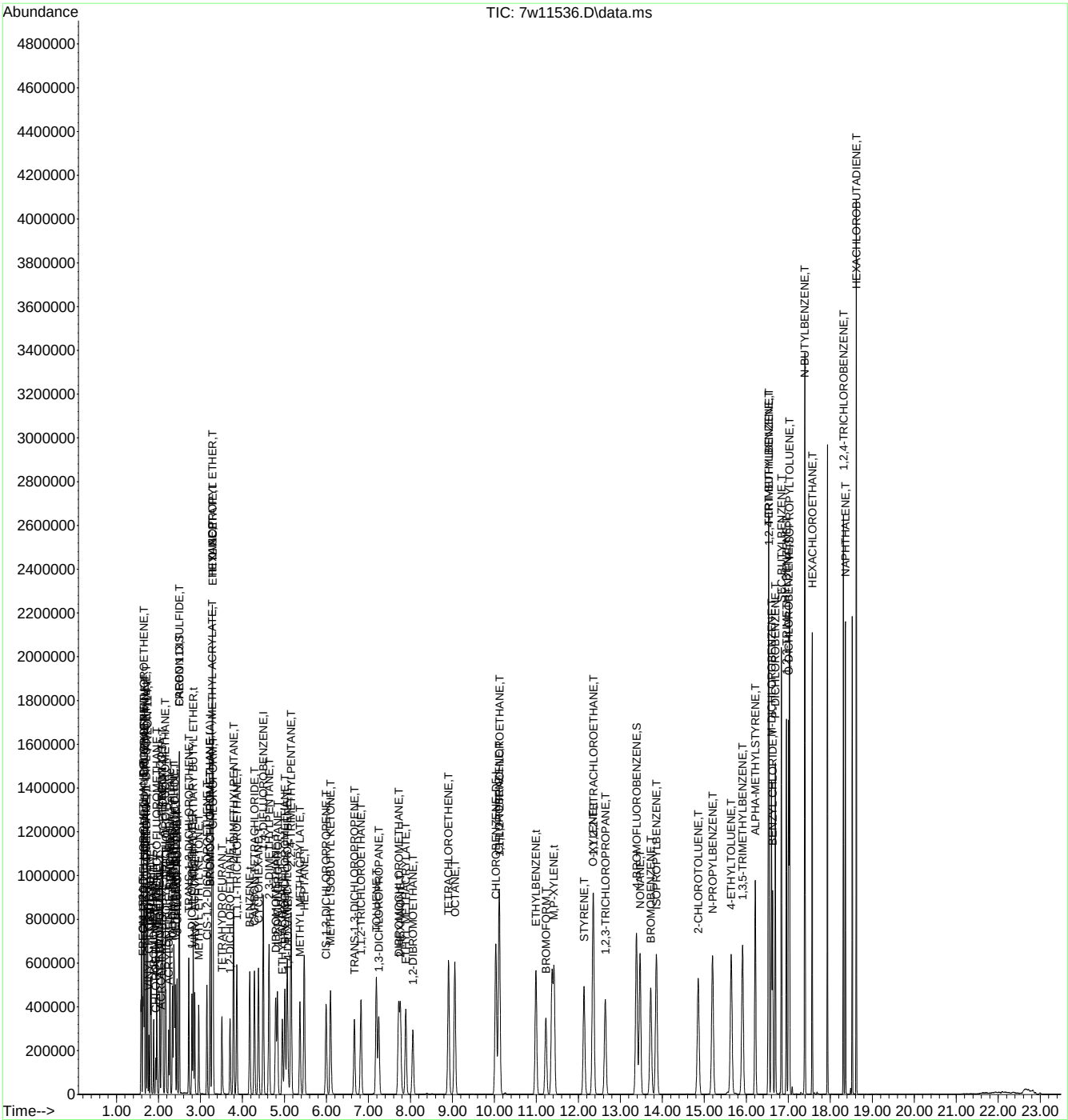
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\01-07-2025\V7W414\
Data File : 7w11536.D
Acq On : 6 Jan 2025 9:31 pm
Operator : benk
Sample : bs Inst : MS7W
Misc : MS88278,v7w414,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 07 19:05:21 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\01-07-2025\V7W414\
Data File : 7w11537.D
Acq On : 6 Jan 2025 10:08 pm
Operator : benk
Sample : bsd Inst : MS7W
Misc : MS88278,v7w414,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 07 19:06:17 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.229	128	136207	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.496	114	661175	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.033	117	631831	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.229	128	136207	10.00	PPBV	0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.383	95	471216	10.28	PPBV	0.00
Target Compounds						Qvalue
3) FREON 152A	1.628	65	75022	11.5662	PPBV	95
4) CHLORODIFLUOROMETHANE	1.638	67	38685	11.7483	PPBV	99
5) CHLOROTRIFLUOROETHENE	1.651	116	173835	10.9596	PPBV	94
6) DICHLORODIFLUOROMETHANE	1.667	85	390290	11.4923	PPBV	100
7) PROPYLENE	1.647	41	102486	11.4658	PPBV	100
8) 1-CHLORO-1,1-DIFLUOROE...	1.705	65	288237	11.4594	PPBV	99
9) FREON 114	1.737	85	332367	12.3380	PPBV	97
10) CHLOROMETHANE	1.708	52	40652	11.5307	PPBV	98
11) VINYL CHLORIDE	1.770	62	141908	12.4568	PPBV	99
12) 1,3-BUTADIENE	1.808	54	114989	11.8463	PPBV	98
13) N-BUTANE	1.824	43	216771	12.2711	PPBV	99
14) BROMOMETHANE	1.885	94	112960	11.0913	PPBV	99
15) CHLOROETHANE	1.934	64	73790	11.9692	PPBV	91
16) DICHLOROFLUOROMETHANE	1.956	67	291973	12.1573	PPBV	99
17) ACETONITRILE	2.024	41	127346	11.6326	PPBV	98
18) ACROLEIN	2.062	56	64816	11.2727	PPBV	98
19) FREON 123	2.078	83	296880	11.4551	PPBV	99
20) FREON 123A	2.094	117	183524	11.3736	PPBV	89
21) TRICHLOROFLUOROMETHANE	2.159	101	343806	11.4955	PPBV	100
22) ISOPROPYL ALCOHOL	2.178	45	295373	11.7058	PPBV	100
23) ACETONE	2.104	58	73270	9.2586	PPBV	97
24) PENTANE	2.274	42	157403	12.9865	PPBV	97
25) IODOMETHANE	2.335	142	316627	11.5518	PPBV	99
26) 1,1-DICHLOROETHYLENE	2.364	96	124347	10.5288	PPBV	93
27) CARBON DISULFIDE	2.496	76	355473	12.0864	PPBV	99
28) ETHANOL	1.962	45	81831	11.8466	PPBV	99
29) BROMOETHENE	2.033	106	118710	10.9407	PPBV	99
30) ACRYLONITRILE	2.242	52	106565	10.8798	PPBV	98
31) METHYLENE CHLORIDE	2.400	84	111882	10.3780	PPBV	93
32) 3-CHLOROPROPENE	2.442	76	62225	11.0948	PPBV	90
33) FREON 113	2.496	151	194834	10.8956	PPBV	94
34) TRANS-1,2-DICHLOROETHENE	2.721	96	130816	10.6401	PPBV	97
35) TERTIARY BUTYL ALCOHOL	2.377	59	318754	10.9840	PPBV	98
36) METHYL TERTIARY BUTYL ...	2.827	73	394051	11.2081	PPBV	100
37) TETRAHYDROFURAN	3.509	72	64120	11.7692	PPBV	90
38) HEXANE	3.281	57	255600	11.3942	PPBV	98
39) VINYL ACETATE	2.863	86	35164	10.5674	PPBV	68
40) 1,1-DICHLOROETHANE	2.795	63	261176	11.8727	PPBV	99
41) METHYL ETHYL KETONE	2.959	72	68498	11.3194	PPBV	83
42) CIS-1,2-DICHLOROETHENE	3.155	96	140498	11.0948	PPBV	94
43) DIISOPROPYL ETHER	3.284	59	73848	11.8871	PPBV	93
44) ETHYL ACETATE	3.287	61	51481	11.9779	PPBV	81
45) METHYL ACRYLATE	3.274	55	309877	12.2956	PPBV #	100
46) CHLOROFORM	3.303	83	290305	11.6608	PPBV	99
47) 2,4-DIMETHYLPENTANE	3.789	57	297150	11.9809	PPBV	98
48) 1,1,1-TRICHLOROETHANE	3.866	97	305653	11.4488	PPBV	98
49) CARBON TETRACHLORIDE	4.284	117	313693	11.8475	PPBV	100
50) 1,2-DICHLOROETHANE	3.705	62	234254	12.5676	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\01-07-2025\V7W414\
Data File : 7w11537.D
Acq On : 6 Jan 2025 10:08 pm
Operator : benk
Sample : bsd Inst : MS7W
Misc : MS88278,v7w414,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 07 19:06:17 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51)	BENZENE	4.175	78	411699	11.3175	PPBV	97
53)	CYCLOHEXANE	4.380	84	181536	11.6212	PPBV	91
54)	2,3-DIMETHYLPENTANE	4.634	71	96458	11.7610	PPBV	90
55)	TRICHLOROETHENE	5.062	95	194425	11.5683	PPBV	98
56)	1,2-DICHLOROPROPANE	4.834	63	169057	11.7906	PPBV	100
57)	DIBROMOMETHANE	4.792	174	172244	10.9070	PPBV	99
58)	ETHYL ACRYLATE	4.949	55	383372	12.5836	PPBV	99
59)	BROMODICHLOROMETHANE	5.011	83	317822	11.8697	PPBV	99
60)	2,2,4-TRIMETHYLPENTANE	5.158	57	804610	12.6555	PPBV	99
61)	1,4-DIOXANE	5.078	88	101305	10.8101	PPBV	96
62)	HEPTANE	5.470	43	297095	13.2967	PPBV	95
63)	METHYL METHACRYLATE	5.367	69	161408	11.2402	PPBV	90
64)	METHYL ISOBUTYL KETONE	6.094	58	156439	11.7279	PPBV	95
65)	CIS-1,3-DICHLOROPROPENE	5.991	75	264193	11.7657	PPBV	97
66)	TOLUENE	7.191	91	523573	11.2070	PPBV	100
67)	1,3-DICHLOROPROPANE	7.245	76	262822	12.0455	PPBV	99
68)	TRANS-1,3-DICHLOROPROPENE	6.663	75	234525	11.1102	PPBV	98
69)	1,1,2-TRICHLOROETHANE	6.821	83	149983	11.6791	PPBV	100
70)	2-HEXANONE	7.760	58	212380	10.1962	PPBV	95
71)	ETHYL METHACRYLATE	7.888	69	271034	10.8564	PPBV	94
72)	TETRACHLOROETHENE	8.911	164	213690	12.0720	PPBV	98
73)	DIBROMOCHLOROMETHANE	7.721	129	317041	11.7506	PPBV	99
74)	1,2-DIBROMOETHANE	8.062	107	289794	12.3269	PPBV	100
75)	OCTANE	9.055	43	415599	13.1281	PPBV	94
77)	1,1,1,2-TETRACHLOROETHANE	10.120	131	232183	11.4977	PPBV	100
78)	CHLOROBENZENE	10.110	112	430271	11.7028	PPBV	97
79)	ETHYLBENZENE	10.991	91	706787	11.3573	PPBV	99
80)	M,P-XYLENE	11.419	91	1118381	22.9254	PPBV	98
81)	O-XYLENE	12.345	91	570844	11.6511	PPBV	99
82)	STYRENE	12.136	104	432921	12.3375	PPBV	100
83)	NONANE	13.470	43	441511	13.1192	PPBV	95
84)	BROMOFORM	11.229	173	283292	11.6956	PPBV	99
85)	1,1,2,2-TETRACHLOROETHANE	12.361	83	399473	12.2513	PPBV	100
86)	1,2,3-TRICHLOROPROPANE	12.640	75	321288	12.3508	PPBV	100
88)	ISOPROPYLBENZENE	13.862	120	214585	11.4643	PPBV	97
89)	BROMOBENZENE	13.721	77	398665	11.4256	PPBV	97
90)	2-CHLOROTOLUENE	14.853	126	192871	11.3274	PPBV	99
91)	N-PROPYLBENZENE	15.200	120	225284	11.8749	PPBV	100
92)	4-ETHYLTOLUENE	15.640	105	826716	12.1494	PPBV	99
93)	1,3,5-TRIMETHYLBENZENE	15.914	105	697359	12.1777	PPBV	99
94)	ALPHA-METHYLSTYRENE	16.216	118	348835	11.9277	PPBV	100
95)	TERT-BUTYLBENZENE	16.528	134	166198	12.1262	PPBV	97
96)	1,2,4-TRIMETHYLBENZENE	16.537	105	725020	12.5517	PPBV	98
97)	BENZYL CHLORIDE	16.627	91	523594	10.2368	PPBV	98
98)	M-DICHLOROBENZENE	16.599	146	465199	11.8074	PPBV	100
99)	P-DICHLOROBENZENE	16.692	146	472965	12.3342	PPBV	99
100)	O-DICHLOROBENZENE	17.007	146	444972	11.9608	PPBV	100
101)	SEC-BUTYLBENZENE	16.836	134	208652	12.2164	PPBV	95
102)	1,2,3-TRIMETHYLBENZENE	16.955	105	699930	12.0971	PPBV	99
103)	P-ISOPROPYLTOLUENE	17.029	134	227704	12.0266	PPBV	96
104)	N-BUTYLBENZENE	17.393	134	224935	12.1596	PPBV	94
105)	HEXACHLOROETHANE	17.570	117	241347	10.9515	PPBV	98
106)	HEXACHLOROBUTADIENE	18.621	225	369997	13.3697	PPBV	100
107)	1,2,4-TRICHLOROBENZENE	18.312	180	427378	13.4396	PPBV	99
108)	NAPHTHALENE	18.357	128	911216	12.9106	PPBV	100
110)	TVHC as equiv Pentane	2.274	TIC	737057	12.7443	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\01-07-2025\V7W414\
Data File : 7w11537.D
Acq On : 6 Jan 2025 10:08 pm
Operator : benk
Sample : bsd Inst : MS7W
Misc : MS88278,v7w414,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 07 19:06:17 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

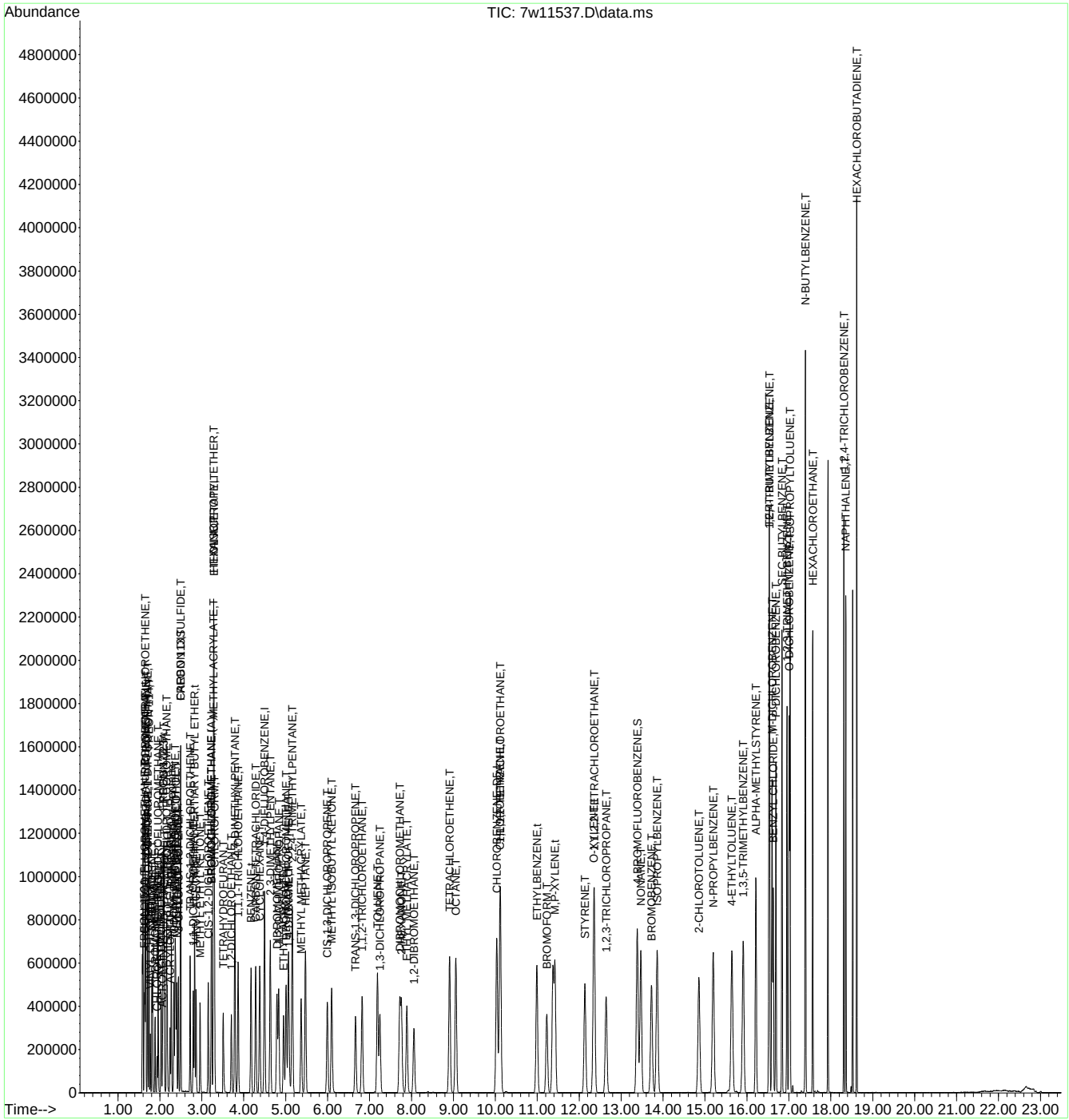
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\01-07-2025\V7W414\
Data File : 7w11537.D
Acq On : 6 Jan 2025 10:08 pm
Operator : benk
Sample : bsd Inst : MS7W
Misc : MS88278,v7w414,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 07 19:06:17 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\01-07-2025\V7W415\
Data File : 7w11572.D
Acq On : 7 Jan 2025 10:06 pm
Operator : benk
Sample : bs Inst : MS7W
Misc : MS88278,v7w415,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 08 21:38:39 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.229	128	131961	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.496	114	637583	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.032	117	610713	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.229	128	131961	10.00	PPBV	0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.383	95	457583	10.33	PPBV	0.00
Target Compounds						Qvalue
3) FREON 152A	1.628	65	71445	11.3691	PPBV	93
4) CHLORODIFLUOROMETHANE	1.637	67	37381	11.7175	PPBV	98
5) CHLOROTRIFLUOROETHENE	1.650	116	170172	11.0739	PPBV	94
6) DICHLORODIFLUOROMETHANE	1.666	85	382715	11.6319	PPBV	100
7) PROPYLENE	1.647	41	100317	11.5843	PPBV	99
8) 1-CHLORO-1,1-DIFLUOROE...	1.705	65	284271	11.6654	PPBV	99
9) FREON 114	1.737	85	323516	12.3959	PPBV	97
10) CHLOROMETHANE	1.708	52	41135	12.0432	PPBV	99
11) VINYL CHLORIDE	1.769	62	141334	12.8056	PPBV	100
12) 1,3-BUTADIENE	1.808	54	114861	12.2139	PPBV	98
13) N-BUTANE	1.824	43	217056	12.6826	PPBV	98
14) BROMOMETHANE	1.882	94	111295	11.2794	PPBV	99
15) CHLOROETHANE	1.930	64	72729	12.1766	PPBV	97
16) DICHLOROFLUOROMETHANE	1.956	67	287301	12.3477	PPBV	100
17) ACETONITRILE	2.023	41	126878	11.9627	PPBV	98
18) ACROLEIN	2.062	56	64575	11.5922	PPBV	98
19) FREON 123	2.075	83	289116	11.5145	PPBV	99
20) FREON 123A	2.094	117	180761	11.5628	PPBV	89
21) TRICHLOROFLUOROMETHANE	2.158	101	338151	11.6703	PPBV	100
22) ISOPROPYL ALCOHOL	2.174	45	294436	12.0441	PPBV	100
23) ACETONE	2.100	58	73257	9.5548	PPBV	96
24) PENTANE	2.271	42	156633	13.3388	PPBV	97
25) IODOMETHANE	2.332	142	308632	11.6224	PPBV	98
26) 1,1-DICHLOROETHYLENE	2.361	96	122570	10.7123	PPBV	94
27) CARBON DISULFIDE	2.496	76	350878	12.3141	PPBV	99
28) ETHANOL	1.962	45	82795	12.3719	PPBV	100
29) BROMOETHENE	2.033	106	116086	11.0431	PPBV	100
30) ACRYLONITRILE	2.242	52	105853	11.1548	PPBV	98
31) METHYLENE CHLORIDE	2.396	84	110337	10.5640	PPBV	92
32) 3-CHLOROPROPENE	2.438	76	61096	11.2440	PPBV	89
33) FREON 113	2.493	151	190020	10.9683	PPBV	94
34) TRANS-1,2-DICHLOROETHENE	2.721	96	128227	10.7651	PPBV	96
35) TERTIARY BUTYL ALCOHOL	2.374	59	308422	10.9699	PPBV	96
36) METHYL TERTIARY BUTYL ...	2.827	73	377196	11.0739	PPBV	99
37) TETRAHYDROFURAN	3.509	72	61956	11.7379	PPBV	88
38) HEXANE	3.277	57	251087	11.5532	PPBV	98
39) VINYL ACETATE	2.862	86	33323	10.3364	PPBV	66
40) 1,1-DICHLOROETHANE	2.795	63	254738	11.9526	PPBV	99
41) METHYL ETHYL KETONE	2.959	72	67820	11.5679	PPBV	84
42) CIS-1,2-DICHLOROETHENE	3.152	96	136443	11.1212	PPBV	93
43) DIISOPROPYL ETHER	3.283	59	72593	12.0611	PPBV	91
44) ETHYL ACETATE	3.287	61	49269	11.8321	PPBV	74
45) METHYL ACRYLATE	3.274	55	302604	12.3933	PPBV #	100
46) CHLOROFORM	3.300	83	282580	11.7157	PPBV	99
47) 2,4-DIMETHYLPENTANE	3.785	57	289392	12.0435	PPBV	98
48) 1,1,1-TRICHLOROETHANE	3.865	97	296091	11.4475	PPBV	98
49) CARBON TETRACHLORIDE	4.283	117	297842	11.6108	PPBV	100
50) 1,2-DICHLOROETHANE	3.701	62	228217	12.6377	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\01-07-2025\V7W415\
Data File : 7w11572.D
Acq On : 7 Jan 2025 10:06 pm
Operator : benk
Sample : bs Inst : MS7W
Misc : MS88278,v7w415,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 08 21:38:39 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51)	BENZENE	4.171	78	401596	11.3950	PPBV	96
53)	CYCLOHEXANE	4.380	84	175370	11.6419	PPBV	90
54)	2,3-DIMETHYLPENTANE	4.634	71	94036	11.8899	PPBV	90
55)	TRICHLOROETHENE	5.062	95	187428	11.5646	PPBV	98
56)	1,2-DICHLOROPROPANE	4.830	63	164620	11.9060	PPBV	100
57)	DIBROMOMETHANE	4.791	174	166506	10.9338	PPBV	99
58)	ETHYL ACRYLATE	4.949	55	370723	12.6187	PPBV	99
59)	BROMODICHLOROMETHANE	5.007	83	307322	11.9022	PPBV	99
60)	2,2,4-TRIMETHYLPENTANE	5.155	57	788752	12.8651	PPBV	100
61)	1,4-DIOXANE	5.078	88	97795	10.8217	PPBV	94
62)	HEPTANE	5.470	43	292331	13.5676	PPBV	94
63)	METHYL METHACRYLATE	5.367	69	156226	11.2818	PPBV	89
64)	METHYL ISOBUTYL KETONE	6.097	58	152534	11.8582	PPBV	94
65)	CIS-1,3-DICHLOROPROPENE	5.991	75	253660	11.7146	PPBV	96
66)	TOLUENE	7.190	91	505554	11.2217	PPBV	100
67)	1,3-DICHLOROPROPANE	7.245	76	253789	12.0619	PPBV	99
68)	TRANS-1,3-DICHLOROPROPENE	6.663	75	222980	10.9541	PPBV	98
69)	1,1,2-TRICHLOROETHANE	6.820	83	145366	11.7385	PPBV	100
70)	2-HEXANONE	7.756	58	209522	10.4311	PPBV	96
71)	ETHYL METHACRYLATE	7.891	69	261980	10.8820	PPBV	93
72)	TETRACHLOROETHENE	8.907	164	207814	12.1745	PPBV	98
73)	DIBROMOCHLOROMETHANE	7.721	129	300254	11.5402	PPBV	99
74)	1,2-DIBROMOETHANE	8.058	107	279806	12.3425	PPBV	100
75)	OCTANE	9.058	43	406050	13.3011	PPBV	93
77)	1,1,1,2-TETRACHLOROETHANE	10.122	131	219172	11.2287	PPBV	99
78)	CHLOROBENZENE	10.110	112	414036	11.6506	PPBV	98
79)	ETHYLBENZENE	10.987	91	680278	11.3094	PPBV	99
80)	M,P-XYLENE	11.415	91	1079918	22.9024	PPBV	97
81)	O-XYLENE	12.351	91	552557	11.6678	PPBV	99
82)	STYRENE	12.132	104	416389	12.2767	PPBV	99
83)	NONANE	13.466	43	431569	13.2672	PPBV	95
84)	BROMOFORM	11.229	173	267171	11.4115	PPBV	99
85)	1,1,2,2-TETRACHLOROETHANE	12.360	83	389686	12.3644	PPBV	100
86)	1,2,3-TRICHLOROPROPANE	12.640	75	309585	12.3125	PPBV	100
88)	ISOPROPYLBENZENE	13.855	120	207419	11.4646	PPBV	97
89)	BROMOBENZENE	13.724	77	386767	11.4679	PPBV	96
90)	2-CHLOROTOLUENE	14.855	126	184643	11.2191	PPBV	100
91)	N-PROPYLBENZENE	15.199	120	216808	11.8233	PPBV	100
92)	4-ETHYLTOLUENE	15.637	105	797269	12.1218	PPBV	99
93)	1,3,5-TRIMETHYLBENZENE	15.910	105	674884	12.1928	PPBV	98
94)	ALPHA-METHYLSTYRENE	16.212	118	335091	11.8539	PPBV	99
95)	TERT-BUTYLBENZENE	16.527	134	159458	12.0367	PPBV	95
96)	1,2,4-TRIMETHYLBENZENE	16.537	105	700938	12.5544	PPBV	98
97)	BENZYL CHLORIDE	16.627	91	479700	9.7029	PPBV	98
98)	M-DICHLOROBENZENE	16.598	146	450705	11.8351	PPBV	100
99)	P-DICHLOROBENZENE	16.691	146	454425	12.2605	PPBV	100
100)	O-DICHLOROBENZENE	17.006	146	429585	11.9465	PPBV	100
101)	SEC-BUTYLBENZENE	16.836	134	201418	12.2007	PPBV	94
102)	1,2,3-TRIMETHYLBENZENE	16.955	105	674893	12.0677	PPBV	98
103)	P-ISOPROPYLTOLUENE	17.029	134	220253	12.0353	PPBV	96
104)	N-BUTYLBENZENE	17.392	134	219152	12.2566	PPBV	93
105)	HEXACHLOROETHANE	17.572	117	226749	10.6448	PPBV	98
106)	HEXACHLOROBUTADIENE	18.627	225	365620	13.6683	PPBV	99
107)	1,2,4-TRICHLOROBENZENE	18.318	180	408930	13.3042	PPBV	100
108)	NAPHTHALENE	18.363	128	876988	12.8553	PPBV	100
110)	TVHC as equiv Pentane	2.271	TIC	720459	12.8581	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\01-07-2025\V7W415\
Data File : 7w11572.D
Acq On : 7 Jan 2025 10:06 pm
Operator : benk
Sample : bs Inst : MS7W
Misc : MS88278,v7w415,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 08 21:38:39 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

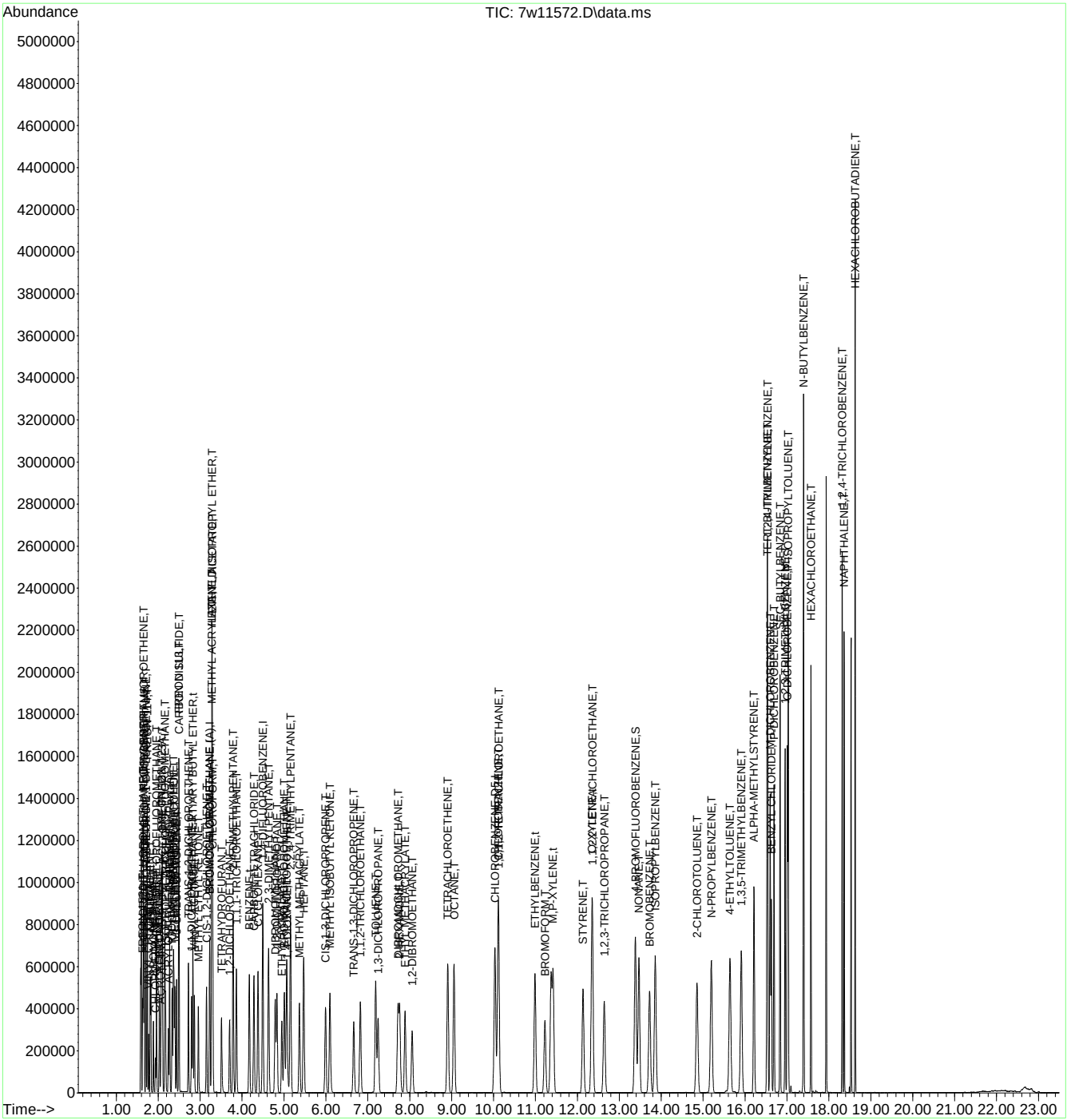
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\01-07-2025\V7W415\
Data File : 7w11572.D
Acq On : 7 Jan 2025 10:06 pm
Operator : benk
Sample : bs Inst : MS7W
Misc : MS88278,v7w415,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 08 21:38:39 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\01-07-2025\V7W415\
Data File : 7w11573.D
Acq On : 7 Jan 2025 10:43 pm
Operator : benk
Sample : bsd Inst : MS7W
Misc : MS88278,v7w415,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 08 21:38:55 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.226	128	132457	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.493	114	646743	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.033	117	617945	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.226	128	132457	10.00	PPBV	0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.383	95	461330	10.29	PPBV	0.00
Target Compounds						Qvalue
3) FREON 152A	1.625	65	74275	11.7752	PPBV	95
4) CHLORODIFLUOROMETHANE	1.638	67	37827	11.8129	PPBV	99
5) CHLOROTRIFLUOROETHENE	1.647	116	173143	11.2250	PPBV	94
6) DICHLORODIFLUOROMETHANE	1.663	85	388776	11.7719	PPBV	100
7) PROPYLENE	1.647	41	102689	11.8138	PPBV	99
8) 1-CHLORO-1,1-DIFLUOROE...	1.702	65	284984	11.6508	PPBV	99
9) FREON 114	1.737	85	328452	12.5379	PPBV	97
10) CHLOROMETHANE	1.708	52	41254	12.0328	PPBV	99
11) VINYL CHLORIDE	1.769	62	141100	12.7365	PPBV	100
12) 1,3-BUTADIENE	1.808	54	116163	12.3061	PPBV	97
13) N-BUTANE	1.824	43	219128	12.7557	PPBV	98
14) BROMOMETHANE	1.882	94	112403	11.3491	PPBV	99
15) CHLOROETHANE	1.930	64	73424	12.2470	PPBV	98
16) DICHLOROFLUOROMETHANE	1.956	67	290844	12.4531	PPBV	99
17) ACETONITRILE	2.023	41	127105	11.9392	PPBV	98
18) ACROLEIN	2.062	56	64630	11.5586	PPBV	99
19) FREON 123	2.075	83	294674	11.6919	PPBV	99
20) FREON 123A	2.091	117	181619	11.5742	PPBV	89
21) TRICHLOROFLUOROMETHANE	2.155	101	339531	11.6740	PPBV	100
22) ISOPROPYL ALCOHOL	2.175	45	295259	12.0325	PPBV	100
23) ACETONE	2.101	58	73088	9.4970	PPBV	97
24) PENTANE	2.271	42	157000	13.3200	PPBV	97
25) IODOMETHANE	2.332	142	314588	11.8024	PPBV	99
26) 1,1-DICHLOROETHYLENE	2.358	96	123338	10.7391	PPBV	93
27) CARBON DISULFIDE	2.493	76	350964	12.2710	PPBV	99
28) ETHANOL	1.959	45	81959	12.2011	PPBV	99
29) BROMOETHENE	2.030	106	117949	11.1783	PPBV	99
30) ACRYLONITRILE	2.239	52	105916	11.1197	PPBV	97
31) METHYLENE CHLORIDE	2.396	84	111379	10.6238	PPBV	89
32) 3-CHLOROPROPENE	2.438	76	61602	11.2947	PPBV	89
33) FREON 113	2.493	151	193852	11.1476	PPBV	94
34) TRANS-1,2-DICHLOROETHENE	2.718	96	129710	10.8489	PPBV	96
35) TERTIARY BUTYL ALCOHOL	2.374	59	314253	11.1355	PPBV	97
36) METHYL TERTIARY BUTYL ...	2.824	73	387345	11.3293	PPBV	99
37) TETRAHYDROFURAN	3.506	72	63595	12.0033	PPBV	89
38) HEXANE	3.277	57	255018	11.6901	PPBV	98
39) VINYL ACETATE	2.859	86	34408	10.6330	PPBV #	71
40) 1,1-DICHLOROETHANE	2.792	63	257827	12.0522	PPBV	99
41) METHYL ETHYL KETONE	2.956	72	67520	11.4736	PPBV	82
42) CIS-1,2-DICHLOROETHENE	3.152	96	139480	11.3262	PPBV	94
43) DIISOPROPYL ETHER	3.281	59	73477	12.1623	PPBV	91
44) ETHYL ACETATE	3.287	61	50489	12.0797	PPBV	78
45) METHYL ACRYLATE	3.271	55	306081	12.4888	PPBV #	100
46) CHLOROFORM	3.297	83	288130	11.9011	PPBV	99
47) 2,4-DIMETHYLPENTANE	3.785	57	294425	12.2071	PPBV	98
48) 1,1,1-TRICHLOROETHANE	3.863	97	301463	11.6115	PPBV	98
49) CARBON TETRACHLORIDE	4.281	117	306448	11.9015	PPBV	100
50) 1,2-DICHLOROETHANE	3.702	62	232035	12.8010	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\01-07-2025\V7W415\
Data File : 7w11573.D
Acq On : 7 Jan 2025 10:43 pm
Operator : benk
Sample : bsd Inst : MS7W
Misc : MS88278,v7w415,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 08 21:38:55 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51)	BENZENE	4.171	78	409001	11.5616	PPBV	96
53)	CYCLOHEXANE	4.377	84	179890	11.7728	PPBV	91
54)	2,3-DIMETHYLPENTANE	4.631	71	94668	11.8003	PPBV	89
55)	TRICHLOROETHENE	5.062	95	191119	11.6253	PPBV	98
56)	1,2-DICHLOROPROPANE	4.830	63	168403	12.0071	PPBV	99
57)	DIBROMOMETHANE	4.789	174	169838	10.9946	PPBV	99
58)	ETHYL ACRYLATE	4.946	55	378319	12.6949	PPBV	99
59)	BROMODICHLOROMETHANE	5.007	83	315873	12.0601	PPBV	100
60)	2,2,4-TRIMETHYLPENTANE	5.155	57	797511	12.8238	PPBV	99
61)	1,4-DIOXANE	5.075	88	98448	10.7397	PPBV	93
62)	HEPTANE	5.470	43	297480	13.6110	PPBV	94
63)	METHYL METHACRYLATE	5.367	69	158667	11.2958	PPBV	89
64)	METHYL ISOBUTYL KETONE	6.094	58	155060	11.8839	PPBV	95
65)	CIS-1,3-DICHLOROPROPENE	5.988	75	261911	11.9244	PPBV	97
66)	TOLUENE	7.187	91	515579	11.2821	PPBV	100
67)	1,3-DICHLOROPROPANE	7.245	76	259493	12.1583	PPBV	99
68)	TRANS-1,3-DICHLOROPROPENE	6.663	75	230928	11.1839	PPBV	98
69)	1,1,2-TRICHLOROETHANE	6.821	83	147858	11.7706	PPBV	99
70)	2-HEXANONE	7.756	58	213569	10.4820	PPBV	95
71)	ETHYL METHACRYLATE	7.888	69	267981	10.9736	PPBV	93
72)	TETRACHLOROETHENE	8.907	164	212074	12.2481	PPBV	98
73)	DIBROMOCHLOROMETHANE	7.721	129	309031	11.7094	PPBV	100
74)	1,2-DIBROMOETHANE	8.059	107	285313	12.4071	PPBV	100
75)	OCTANE	9.055	43	413892	13.3659	PPBV	94
77)	1,1,1,2-TETRACHLOROETHANE	10.120	131	224753	11.3799	PPBV	99
78)	CHLOROBENZENE	10.107	112	422802	11.7580	PPBV	98
79)	ETHYLBENZENE	10.988	91	699204	11.4880	PPBV	99
80)	M,P-XYLENE	11.415	91	1101362	23.0838	PPBV	97
81)	O-XYLENE	12.345	91	562481	11.7384	PPBV	99
82)	STYRENE	12.136	104	425038	12.3850	PPBV	99
83)	NONANE	13.467	43	439352	13.3484	PPBV	95
84)	BROMOFORM	11.222	173	275665	11.6365	PPBV	99
85)	1,1,2,2-TETRACHLOROETHANE	12.361	83	394867	12.3822	PPBV	100
86)	1,2,3-TRICHLOROPROPANE	12.640	75	314533	12.3629	PPBV	100
88)	ISOPROPYLBENZENE	13.856	120	211538	11.5554	PPBV	97
89)	BROMOBENZENE	13.721	77	395527	11.5903	PPBV	97
90)	2-CHLOROTOLUENE	14.856	126	189645	11.3882	PPBV	99
91)	N-PROPYLBENZENE	15.193	120	221945	11.9617	PPBV	99
92)	4-ETHYLTOLUENE	15.640	105	813800	12.2283	PPBV	99
93)	1,3,5-TRIMETHYLBENZENE	15.910	105	687838	12.2814	PPBV	98
94)	ALPHA-METHYLSTYRENE	16.216	118	340899	11.9183	PPBV	99
95)	TERT-BUTYLBENZENE	16.528	134	162988	12.1592	PPBV	95
96)	1,2,4-TRIMETHYLBENZENE	16.534	105	712660	12.6150	PPBV	98
97)	BENZYL CHLORIDE	16.627	91	494420	9.8836	PPBV	98
98)	M-DICHLOROBENZENE	16.598	146	458695	11.9040	PPBV	100
99)	P-DICHLOROBENZENE	16.692	146	468969	12.5048	PPBV	100
100)	O-DICHLOROBENZENE	17.007	146	438870	12.0618	PPBV	100
101)	SEC-BUTYLBENZENE	16.836	134	203084	12.1576	PPBV	93
102)	1,2,3-TRIMETHYLBENZENE	16.955	105	685319	12.1107	PPBV	99
103)	P-ISOPROPYLTOLUENE	17.029	134	222602	12.0213	PPBV	96
104)	N-BUTYLBENZENE	17.393	134	220533	12.1895	PPBV	92
105)	HEXACHLOROETHANE	17.569	117	232844	10.8030	PPBV	98
106)	HEXACHLOROBUTADIENE	18.627	225	358176	13.2334	PPBV	100
107)	1,2,4-TRICHLOROBENZENE	18.315	180	415431	13.3575	PPBV	99
108)	NAPHTHALENE	18.364	128	888202	12.8674	PPBV	100
110)	TVHC as equiv Pentane	2.271	TIC	754282	13.4113	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\01-07-2025\V7W415\
Data File : 7w11573.D
Acq On : 7 Jan 2025 10:43 pm
Operator : benk
Sample : bsd Inst : MS7W
Misc : MS88278,v7w415,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 08 21:38:55 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

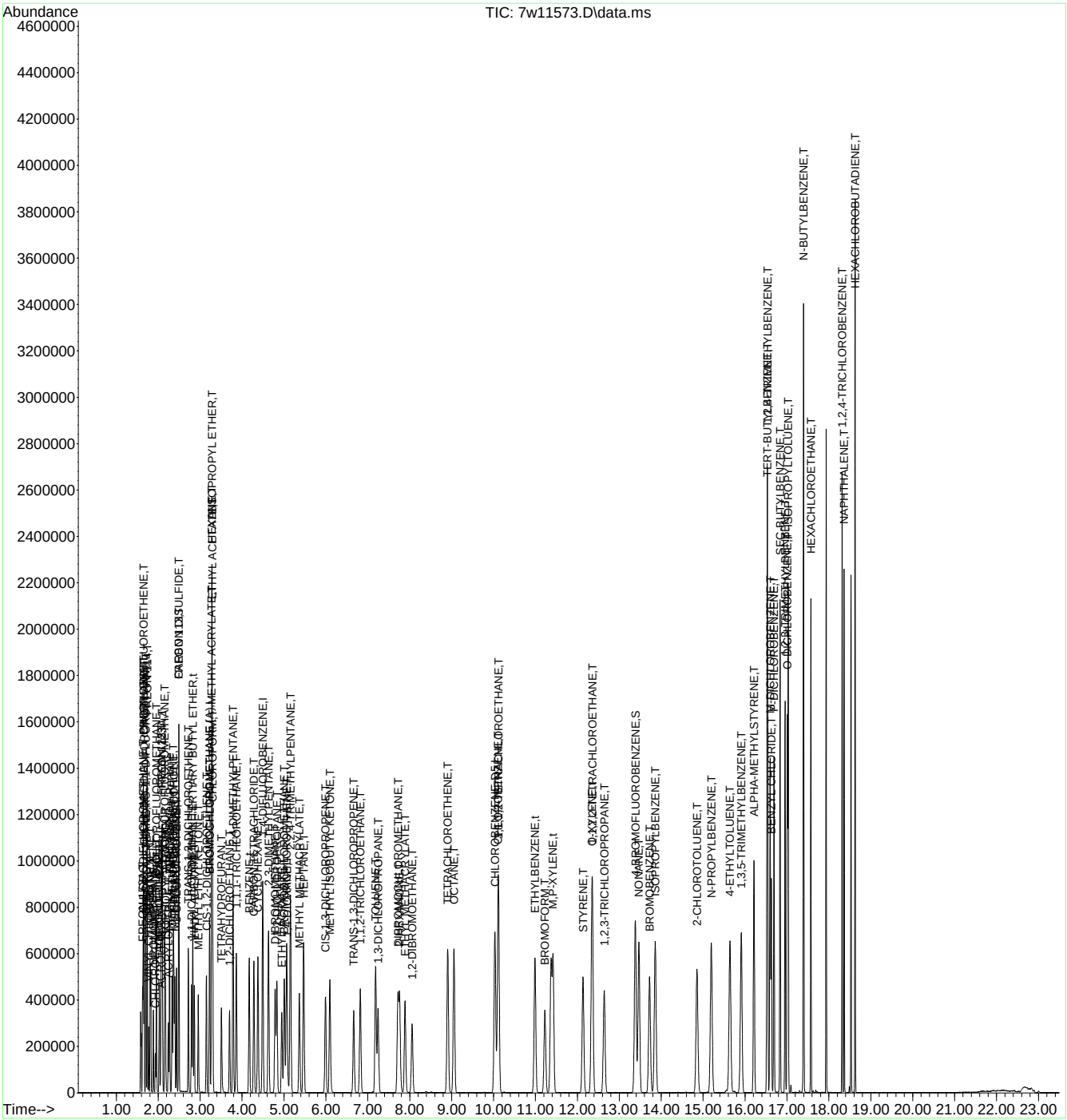
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\01-07-2025\V7W415\
Data File : 7w11573.D
Acq On : 7 Jan 2025 10:43 pm
Operator : benk
Sample : bsd Inst : MS7W
Misc : MS88278,v7w415,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 08 21:38:55 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 11/19/24 11:36

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10577.D
Acq On : 18 Nov 2024 10:11 am
Operator : bkim
Sample : bs Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:53:13 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards								
1)	BROMOCHLOROMETHANE	3.274	128	59927	10.00	PPBV		0.00
52)	1,4-DIFLUOROBENZENE	4.554	114	307732	10.00	PPBV		0.00
76)	CHLOROBENZENE-D5	10.123	117	281115	10.00	PPBV		0.00
109)	BROMOCHLOROMETHANE (A)	3.274	128	59927	10.00	PPBV		0.00
System Monitoring Compounds								
87)	4-BROMOFLUOROBENZENE	13.476	95	190904	9.26	PPBV		0.00
Target Compounds								Qvalue
2)	FREON 115	1.618	119	110512	14.3793	PPBV		96
3)	FREON 152A	1.650	65	59070	14.2378	PPBV		88
4)	CHLORODIFLUOROMETHANE	1.663	67	22970	11.4809	PPBV		99
5)	CHLOROTRIFLUOROETHENE	1.676	116	122529	12.6008	PPBV		73
6)	DICHLORODIFLUOROMETHANE	1.692	85	255544	10.6343	PPBV		96
7)	PROPYLENE	1.670	41	76743	13.3660	PPBV		97
8)	1-CHLORO-1,1-DIFLUOROE...	1.731	65	172937	8.5955	PPBV		93
9)	FREON 114	1.766	85	217219	10.6265	PPBV		95
10)	CHLOROMETHANE	1.734	52	27200	8.7390	PPBV		94
11)	VINYL CHLORIDE	1.798	62	99503	10.3978	PPBV		99
12)	1,3-BUTADIENE	1.837	54	80190	10.3069	PPBV		85
13)	N-BUTANE	1.853	43	127768	8.9925	PPBV		96
14)	BROMOMETHANE	1.914	94	78281	10.2297	PPBV		99
15)	CHLOROETHANE	1.962	64	51878	10.5850	PPBV		91
16)	DICHLOROFLUOROMETHANE	1.988	67	189308	10.1065	PPBV		97
17)	ACETONITRILE	2.059	41	77908	8.3740	PPBV		98
18)	ACROLEIN	2.097	56	44203	9.4636	PPBV		96
19)	FREON 123	2.113	83	201252	10.5734	PPBV		98
20)	FREON 123A	2.129	117	125238	11.4705	PPBV		91
21)	TRICHLOROFLUOROMETHANE	2.194	101	215086	9.9812	PPBV		98
22)	ISOPROPYL ALCOHOL	2.219	45	177899	8.7647	PPBV		96
23)	ACETONE	2.139	58	53254	9.6274	PPBV		66
24)	PENTANE	2.313	42	90696	8.7967	PPBV		92
25)	IODOMETHANE	2.374	142	225162	12.1131	PPBV		89
26)	1,1-DICHLOROETHYLENE	2.400	96	86229	10.7533	PPBV		85
27)	CARBON DISULFIDE	2.535	76	224756m	9.6177	PPBV		
28)	ETHANOL	1.998	45	49449	8.9163	PPBV		98
29)	BROMOETHENE	2.065	106	83471	11.4058	PPBV	#	97
30)	ACRYLONITRILE	2.281	52	69775	9.2744	PPBV		96
31)	METHYLENE CHLORIDE	2.438	84	75329	9.1274	PPBV		80
32)	3-CHLOROPROPENE	2.480	76	39694	9.3992	PPBV	#	62
33)	FREON 113	2.535	151	140140	11.1049	PPBV		89
34)	TRANS-1,2-DICHLOROETHENE	2.763	96	91287	11.6726	PPBV		99
35)	TERTIARY BUTYL ALCOHOL	2.422	59	176592	9.0639	PPBV		92
36)	METHYL TERTIARY BUTYL ...	2.872	73	239170	12.1723	PPBV		98
37)	TETRAHYDROFURAN	3.563	72	45330	12.1074	PPBV		96
38)	HEXANE	3.329	57	186212	11.3851	PPBV		88
39)	VINYL ACETATE	2.908	86	21657	12.1078	PPBV		77
40)	1,1-DICHLOROETHANE	2.837	63	181698	12.4681	PPBV		99
41)	METHYL ETHYL KETONE	3.004	72	48800	12.2439	PPBV		89
42)	CIS-1,2-DICHLOROETHENE	3.200	96	94849	11.4360	PPBV		100
43)	DIISOPROPYL ETHER	3.335	59	52672	12.3764	PPBV		84
44)	ETHYL ACETATE	3.338	61	36929	11.8146	PPBV		78
45)	METHYL ACRYLATE	3.322	55	215839	12.0480	PPBV	#	26
46)	CHLOROFORM	3.348	83	181569	10.8246	PPBV		95
47)	2,4-DIMETHYLPENTANE	3.843	57	215745	12.3313	PPBV		98
48)	1,1,1-TRICHLOROETHANE	3.920	97	178620	11.6980	PPBV		96
49)	CARBON TETRACHLORIDE	4.342	117	186476	12.4415	PPBV		98

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10577.D
Acq On : 18 Nov 2024 10:11 am
Operator : bkim
Sample : bs Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:53:13 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	3.756	62	135176	10.6258	PPBV		99
51)	BENZENE	4.229	78	285064	11.5478	PPBV		97
53)	CYCLOHEXANE	4.438	84	123825	11.3925	PPBV		93
54)	2,3-DIMETHYLPENTANE	4.695	71	66437	11.9361	PPBV		93
55)	TRICHLOROETHENE	5.129	95	124837	10.5919	PPBV		96
56)	1,2-DICHLOROPROPANE	4.898	63	126622	12.0766	PPBV		94
57)	DIBROMOMETHANE	4.856	174	110137	11.1361	PPBV		91
58)	ETHYL ACRYLATE	5.017	55	267872	11.9010	PPBV		99
59)	BROMODICHLOROMETHANE	5.075	83	198539	10.9770	PPBV		99
60)	2,2,4-TRIMETHYLPENTANE	5.223	57	587587	11.7962	PPBV		98
61)	1,4-DIOXANE	5.155	88	68433	10.6089	PPBV	#	93
62)	HEPTANE	5.541	43	196653	11.2460	PPBV		98
63)	METHYL METHACRYLATE	5.435	69	110695	11.7588	PPBV		93
64)	METHYL ISOBUTYL KETONE	6.174	58	116018	10.7777	PPBV		88
65)	CIS-1,3-DICHLOROPROPENE	6.065	75	167663	12.4777	PPBV		86
66)	TOLUENE	7.268	91	346089	10.5702	PPBV		100
67)	1,3-DICHLOROPROPANE	7.325	76	172835	10.7442	PPBV		100
68)	TRANS-1,3-DICHLOROPROPENE	6.740	75	139504	12.6564	PPBV		85
69)	1,1,2-TRICHLOROETHANE	6.895	83	101053	11.2887	PPBV		98
70)	2-HEXANONE	7.853	58	162743	9.9058	PPBV		86
71)	ETHYL METHACRYLATE	7.972	69	180957	11.6239	PPBV		93
72)	TETRACHLOROETHENE	8.994	164	134599	11.5053	PPBV		97
73)	DIBROMOCHLOROMETHANE	7.801	129	200804	11.7098	PPBV		99
74)	1,2-DIBROMOETHANE	8.142	107	183640	11.6450	PPBV		99
75)	OCTANE	9.142	43	271332	10.3153	PPBV		98
77)	1,1,1,2-TETRACHLOROETHANE	10.210	131	143846	11.9311	PPBV		93
78)	CHLOROBENZENE	10.200	112	278592	10.2378	PPBV		100
79)	ETHYLBENZENE	11.081	91	457220	10.2501	PPBV		97
80)	M,P-XYLENE	11.508	91	703381	19.9630	PPBV		100
81)	O-XYLENE	12.441	91	355250	10.0425	PPBV		99
82)	STYRENE	12.229	104	278357	10.8757	PPBV		97
83)	NONANE	13.563	43	279616	9.9947	PPBV		93
84)	BROMOFORM	11.322	173	187082	12.2296	PPBV		99
85)	1,1,2,2-TETRACHLOROETHANE	12.454	83	261976	10.5142	PPBV		98
86)	1,2,3-TRICHLOROPROPANE	12.737	75	201971	10.0376	PPBV		100
88)	ISOPROPYLBENZENE	13.955	120	136930	10.2194	PPBV		94
89)	BROMOBENZENE	13.823	77	246840	9.7379	PPBV		94
90)	2-CHLOROTOLUENE	14.952	126	122323	9.9584	PPBV		99
91)	N-PROPYLBENZENE	15.293	120	142602	10.3358	PPBV		100
92)	4-ETHYLTOLUENE	15.743	105	514233	10.5272	PPBV		100
93)	1,3,5-TRIMETHYLBENZENE	15.994	105	421583	10.2573	PPBV		99
94)	ALPHA-METHYLSTYRENE	16.270	118	216053	9.8929	PPBV		98
95)	TERT-BUTYLBENZENE	16.569	134	102644	10.4400	PPBV		95
96)	1,2,4-TRIMETHYLBENZENE	16.579	105	435406	10.1374	PPBV		99
97)	BENZYL CHLORIDE	16.669	91	258850	20.7104	PPBV		98
98)	M-DICHLOROBENZENE	16.640	146	294616	10.2783	PPBV		97
99)	P-DICHLOROBENZENE	16.730	146	299214	10.5247	PPBV		97
100)	O-DICHLOROBENZENE	17.042	146	280983	10.2361	PPBV		96
101)	SEC-BUTYLBENZENE	16.872	134	129277	10.4474	PPBV		92
102)	1,2,3-TRIMETHYLBENZENE	16.991	105	420338	9.6664	PPBV		99
103)	P-ISOPROPYLTOLUENE	17.061	134	140956	10.2084	PPBV		93
104)	N-BUTYLBENZENE	17.421	134	141251	10.3059	PPBV		88
105)	HEXACHLOROETHANE	17.598	117	159980	12.0274	PPBV		96
106)	HEXACHLOROBUTADIENE	18.646	225	225111	10.9149	PPBV		99
107)	1,2,4-TRICHLOROBENZENE	18.338	180	276617	10.0666	PPBV		100
108)	NAPHTHALENE	18.386	128	639531	8.9082	PPBV		100
110)	TVHC as equiv Pentane	2.313	TIC	439346	8.4468	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10577.D
Acq On : 18 Nov 2024 10:11 am
Operator : bkim
Sample : bs Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:53:13 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

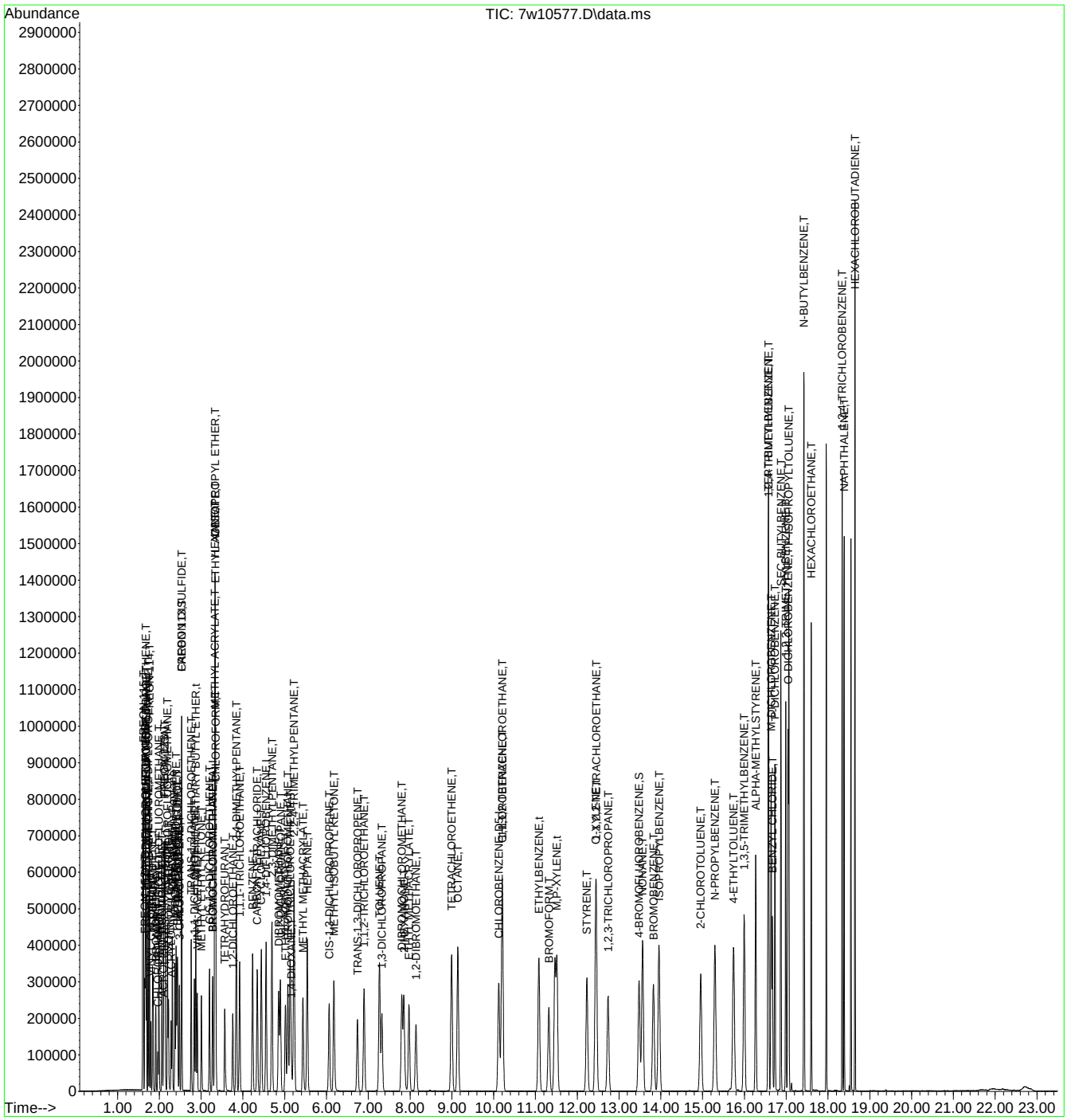
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10577.D
Acq On : 18 Nov 2024 10:11 am
Operator : bkim
Sample : bs Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:53:13 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



Manual Integration Approval Summary

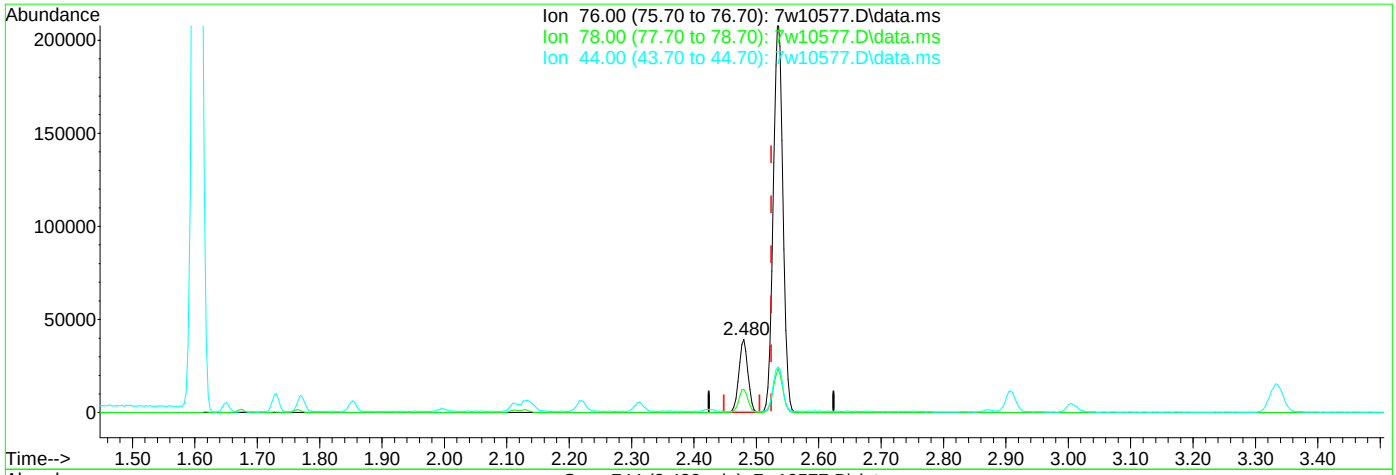
Sample Number:	V7W387-BS	**Method:**	TO-15
Lab FileID:	7W10577.D	**Analyst approved:**	11/19/24 00:49 Lucky Carandang
Injection Time:	11/18/24 10:11	**Supervisor approved:**	11/19/24 11:36 Kanya Veerawat

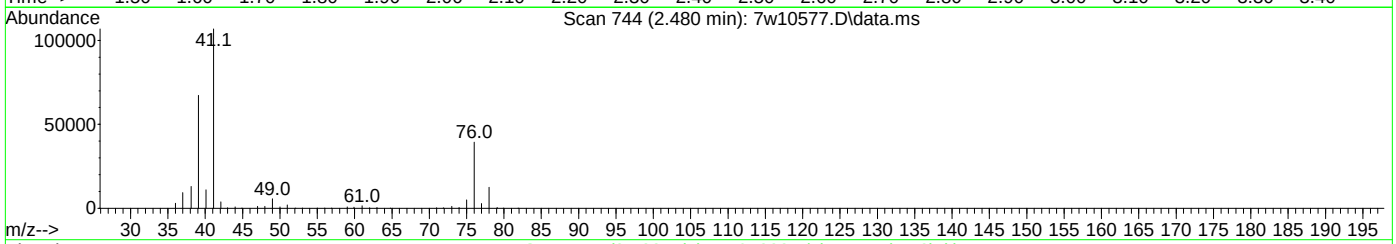
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon disulfide	75-15-0		2.53	Missed peak

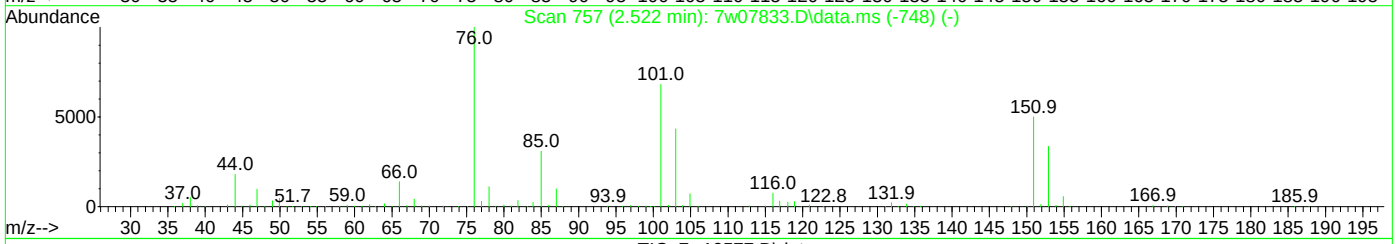
Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10577.D
Acq On : 18 Nov 2024 10:11 am
Operator : bkim
Sample : bs Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:26:01 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration







TIC: 7w10577.D\data.ms

(27) CARBON DISULFIDE (T)

2.480min (-0.044) 1.70PPBV

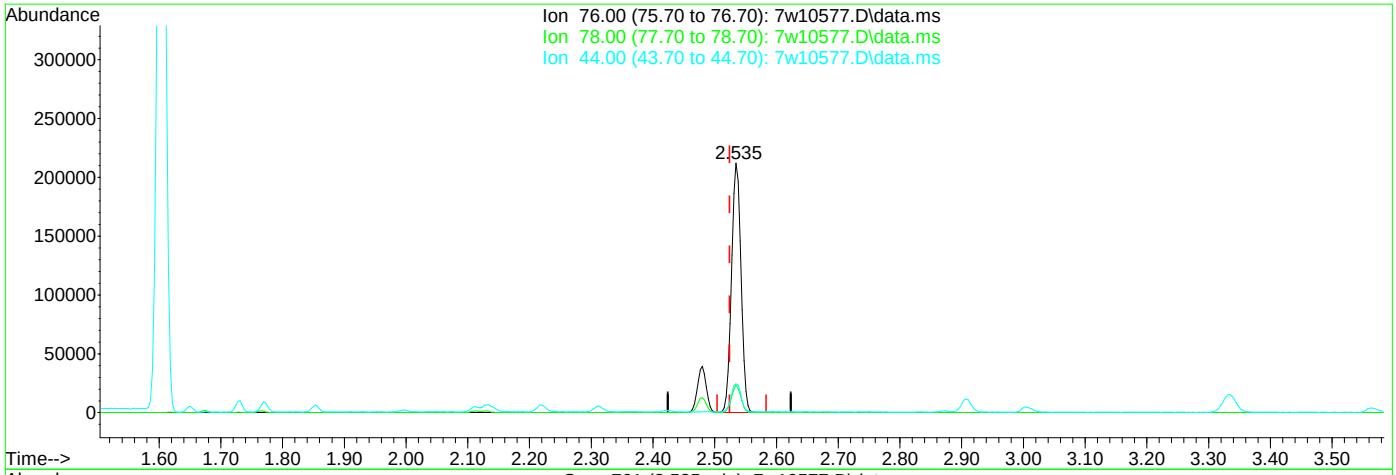
response 39710

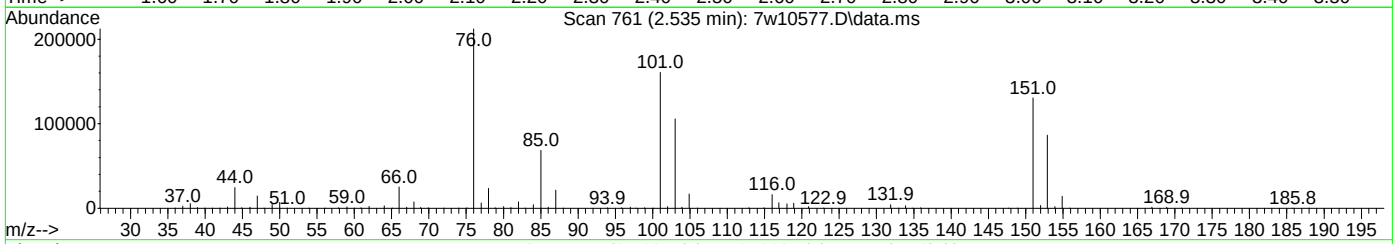
Ion	Exp%	Act%
76.00	100	100
78.00	11.40	32.64#
44.00	19.10	0.64#
0.00	0.00	0.00

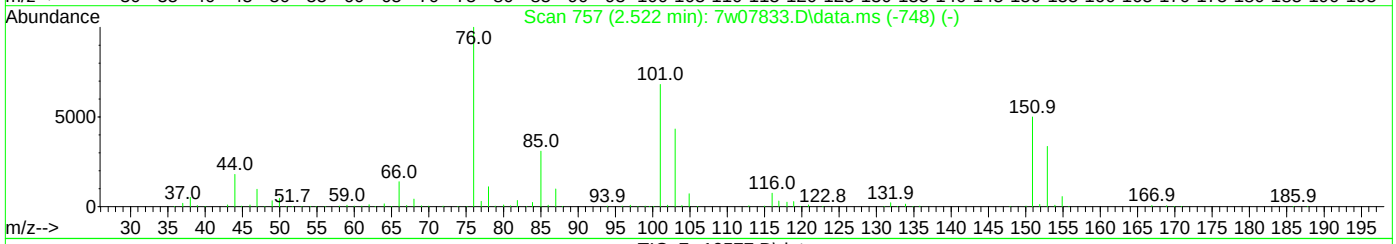
Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10577.D
Acq On : 18 Nov 2024 10:11 am
Operator : bkim
Sample : bs Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:26:01 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration







TIC: 7w10577.D\data.ms

(27) CARBON DISULFIDE (T)

2.535min (+0.011) 9.62PPBV m

response 224756

Ion	Exp%	Act%
76.00	100	100
78.00	11.40	5.77#
44.00	19.10	0.11#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10578.D
Acq On : 18 Nov 2024 10:46 am
Operator : bkim
Sample : bsd Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:26:23 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.277	128	59448	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.553	114	304227	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.122	117	275746	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.277	128	59448	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.479	95	190632	9.42	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.621	119	112227	14.7201	PPBV		97
3) FREON 152A	1.650	65	57446	13.9579	PPBV		84
4) CHLORODIFLUOROMETHANE	1.663	67	21726	10.9466	PPBV		97
5) CHLOROTRIFLUOROETHENE	1.676	116	126112	13.0738	PPBV		69
6) DICHLORODIFLUOROMETHANE	1.692	85	252623	10.5975	PPBV		94
7) PROPYLENE	1.672	41	67225	11.8027	PPBV		97
8) 1-CHLORO-1,1-DIFLUOROE...	1.730	65	168232	8.4290	PPBV		92
9) FREON 114	1.766	85	219573	10.8282	PPBV		94
10) CHLOROMETHANE	1.737	52	24803	8.0331	PPBV		91
11) VINYL CHLORIDE	1.798	62	95931	10.1053	PPBV		99
12) 1,3-BUTADIENE	1.836	54	74674	9.6753	PPBV		84
13) N-BUTANE	1.852	43	121165	8.5965	PPBV		95
14) BROMOMETHANE	1.914	94	78468	10.3368	PPBV		99
15) CHLOROETHANE	1.965	64	52103	10.7165	PPBV		95
16) DICHLOROFLUOROMETHANE	1.991	67	185911	10.0051	PPBV		97
17) ACETONITRILE	2.061	41	76003	8.2350	PPBV		99
18) ACROLEIN	2.100	56	44428	9.5884	PPBV		98
19) FREON 123	2.113	83	200054	10.5952	PPBV		99
20) FREON 123A	2.129	117	123450	11.3978	PPBV		92
21) TRICHLOROFLUOROMETHANE	2.197	101	210804	9.8613	PPBV		100
22) ISOPROPYL ALCOHOL	2.219	45	172563	8.5703	PPBV		96
23) ACETONE	2.139	58	53727	9.7912	PPBV		64
24) PENTANE	2.312	42	92167	9.0114	PPBV		92
25) IODOMETHANE	2.373	142	223797	12.1367	PPBV		89
26) 1,1-DICHLOROETHYLENE	2.402	96	84135	10.5767	PPBV		87
27) CARBON DISULFIDE	2.534	76	221254	9.5441	PPBV	#	90
28) ETHANOL	1.997	45	46856	8.5168	PPBV		98
29) BROMOETHENE	2.068	106	82455	11.3578	PPBV	#	97
30) ACRYLONITRILE	2.283	52	69892	9.3648	PPBV		96
31) METHYLENE CHLORIDE	2.438	84	74697	9.1237	PPBV		80
32) 3-CHLOROPROPENE	2.479	76	40349	9.6313	PPBV	#	59
33) FREON 113	2.534	151	136726	10.9217	PPBV		89
34) TRANS-1,2-DICHLOROETHENE	2.762	96	90883	11.7146	PPBV		99
35) TERTIARY BUTYL ALCOHOL	2.425	59	175438	9.0773	PPBV		91
36) METHYL TERTIARY BUTYL ...	2.872	73	240324	12.3296	PPBV		97
37) TETRAHYDROFURAN	3.563	72	45290	12.1941	PPBV		94
38) HEXANE	3.328	57	184582	11.3764	PPBV		88
39) VINYL ACETATE	2.907	86	21094	11.8881	PPBV		84
40) 1,1-DICHLOROETHANE	2.836	63	180973	12.5184	PPBV		99
41) METHYL ETHYL KETONE	3.007	72	47682	12.0598	PPBV		90
42) CIS-1,2-DICHLOROETHENE	3.200	96	95006	11.5473	PPBV		99
43) DIISOPROPYL ETHER	3.335	59	52095	12.3395	PPBV		83
44) ETHYL ACETATE	3.338	61	36641	11.8170	PPBV		76
45) METHYL ACRYLATE	3.325	55	213749	12.0275	PPBV	#	26
46) CHLOROFORM	3.351	83	181081	10.8825	PPBV		95
47) 2,4-DIMETHYLPENTANE	3.843	57	214369	12.3513	PPBV		99
48) 1,1,1-TRICHLOROETHANE	3.920	97	179286	11.8362	PPBV		95
49) CARBON TETRACHLORIDE	4.344	117	185073	12.4473	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10578.D
Acq On : 18 Nov 2024 10:46 am
Operator : bkim
Sample : bsd Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:26:23 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	3.759	62	133903	10.6105	PPBV		99
51)	BENZENE	4.232	78	285053	11.6404	PPBV		96
53)	CYCLOHEXANE	4.441	84	123486	11.4922	PPBV		93
54)	2,3-DIMETHYLPENTANE	4.695	71	66451	12.0762	PPBV		96
55)	TRICHLOROETHENE	5.126	95	124532	10.6877	PPBV		96
56)	1,2-DICHLOROPROPANE	4.897	63	124852	12.0450	PPBV		95
57)	DIBROMOMETHANE	4.856	174	110196	11.2704	PPBV		91
58)	ETHYL ACRYLATE	5.016	55	264942	11.9064	PPBV		99
59)	BROMODICHLOROMETHANE	5.074	83	197810	11.0627	PPBV		100
60)	2,2,4-TRIMETHYLPENTANE	5.222	57	581722	11.8130	PPBV		98
61)	1,4-DIOXANE	5.151	88	67881	10.6446	PPBV	#	95
62)	HEPTANE	5.540	43	194597	11.2566	PPBV		97
63)	METHYL METHACRYLATE	5.438	69	110949	11.9216	PPBV		92
64)	METHYL ISOBUTYL KETONE	6.174	58	114615	10.7700	PPBV		88
65)	CIS-1,3-DICHLOROPROPENE	6.065	75	167753	12.6282	PPBV		86
66)	TOLUENE	7.267	91	347675	10.7410	PPBV		100
67)	1,3-DICHLOROPROPANE	7.328	76	171884	10.8082	PPBV		100
68)	TRANS-1,3-DICHLOROPROPENE	6.740	75	139337	12.7869	PPBV		85
69)	1,1,2-TRICHLOROETHANE	6.897	83	100397	11.3447	PPBV		99
70)	2-HEXANONE	7.849	58	162687	10.0165	PPBV		86
71)	ETHYL METHACRYLATE	7.974	69	179934	11.6913	PPBV		93
72)	TETRACHLOROETHENE	8.997	164	135676	11.7309	PPBV		96
73)	DIBROMOCHLOROMETHANE	7.801	129	199913	11.7921	PPBV		100
74)	1,2-DIBROMOETHANE	8.145	107	182986	11.7372	PPBV		100
75)	OCTANE	9.142	43	268341	10.3191	PPBV		97
77)	1,1,1,2-TETRACHLOROETHANE	10.209	131	144815	12.2454	PPBV		92
78)	CHLOROBENZENE	10.199	112	279014	10.4529	PPBV		100
79)	ETHYLBENZENE	11.084	91	458943	10.4891	PPBV		96
80)	M,P-XYLENE	11.514	91	712410	20.6129	PPBV		98
81)	O-XYLENE	12.444	91	357163	10.2932	PPBV		98
82)	STYRENE	12.228	104	284416	11.3288	PPBV		96
83)	NONANE	13.563	43	247974	9.0363	PPBV		86
84)	BROMOFORM	11.322	173	196785	13.1143	PPBV		99
85)	1,1,2,2-TETRACHLOROETHANE	12.453	83	261640	10.7052	PPBV		98
86)	1,2,3-TRICHLOROPROPANE	12.736	75	198044	10.0341	PPBV		100
88)	ISOPROPYLBENZENE	13.958	120	142718	10.8588	PPBV		90
89)	BROMOBENZENE	13.820	77	245227	9.8626	PPBV		90
90)	2-CHLOROTOLUENE	14.958	126	126461	10.4957	PPBV		98
91)	N-PROPYLBENZENE	15.289	120	149258	11.0289	PPBV		99
92)	4-ETHYLTOLUENE	15.743	105	524683	10.9503	PPBV		99
93)	1,3,5-TRIMETHYLBENZENE	15.997	105	428738	10.6345	PPBV		98
94)	ALPHA-METHYLSTYRENE	16.270	118	227883	10.6378	PPBV		98
95)	TERT-BUTYLBENZENE	16.569	134	107149	11.1104	PPBV		92
96)	1,2,4-TRIMETHYLBENZENE	16.579	105	444260	10.5449	PPBV		98
97)	BENZYL CHLORIDE	16.669	91	257782	21.0265	PPBV		96
98)	M-DICHLOROBENZENE	16.640	146	311779	11.0889	PPBV		96
99)	P-DICHLOROBENZENE	16.730	146	312888	11.2200	PPBV		96
100)	O-DICHLOROBENZENE	17.042	146	299868	11.1368	PPBV		96
101)	SEC-BUTYLBENZENE	16.871	134	133359	10.9871	PPBV		89
102)	1,2,3-TRIMETHYLBENZENE	16.990	105	431281	10.1111	PPBV		98
103)	P-ISOPROPYLTOLUENE	17.064	134	147019	10.8548	PPBV		91
104)	N-BUTYLBENZENE	17.421	134	143845	10.6995	PPBV		84
105)	HEXACHLOROETHANE	17.598	117	161090	12.3466	PPBV		94
106)	HEXACHLOROBUTADIENE	18.649	225	225577	11.1504	PPBV		99
107)	1,2,4-TRICHLOROBENZENE	18.341	180	279684	10.3764	PPBV		100
108)	NAPHTHALENE	18.386	128	646041	9.1741	PPBV		100
110)	TVHC as equiv Pentane	2.312	TIC	447566	8.6742	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10578.D
Acq On : 18 Nov 2024 10:46 am
Operator : bkim
Sample : bsd Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:26:23 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

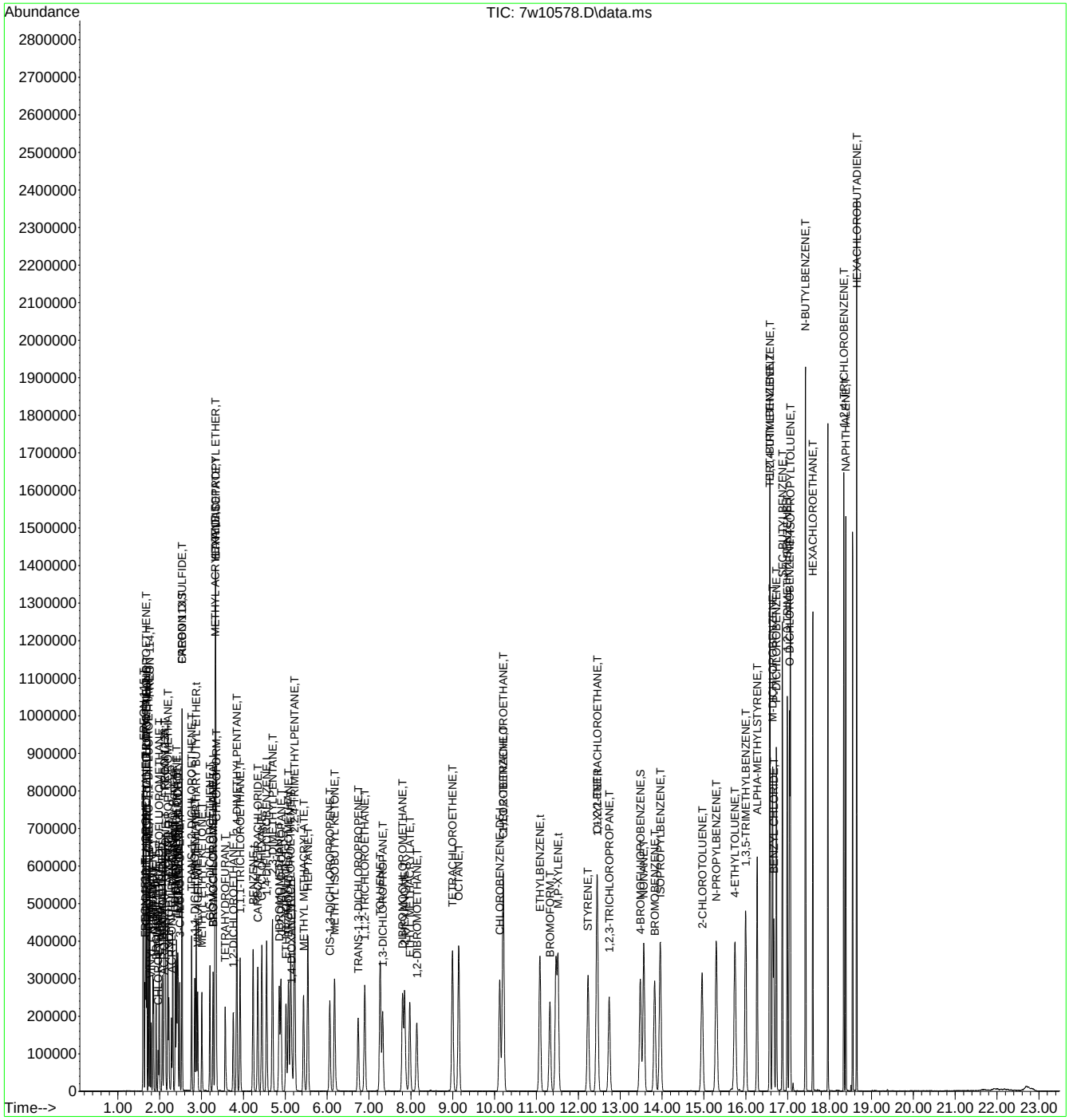
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10578.D
Acq On : 18 Nov 2024 10:46 am
Operator : bkim
Sample : bsd Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:26:23 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V7W392\
Data File : 7w10744.D
Acq On : 25 Nov 2024 9:50 am
Operator : williamc
Sample : bs Inst : MS7W
Misc : MS87372,v7w392,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 20:58:40 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.274	128	72768	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.553	114	382948	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.122	117	316986	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.274	128	72768	10.00	PPBV	0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.479	95	227554	9.79	PPBV	0.00
Target Compounds						Qvalue
2) FREON 115	1.621	119	126184	13.5212	PPBV	96
3) FREON 152A	1.650	65	65524	13.0064	PPBV	93
4) CHLORODIFLUOROMETHANE	1.663	67	28168	11.5945	PPBV	96
5) CHLOROTRIFLUOROETHENE	1.676	116	134871	11.4225	PPBV	86
6) DICHLORODIFLUOROMETHANE	1.692	85	315452	10.8108	PPBV	99
7) PROPYLENE	1.672	41	80877	11.6003	PPBV	99
8) 1-CHLORO-1,1-DIFLUOROE...	1.730	65	265409	10.8638	PPBV	97
9) FREON 114	1.766	85	286696	11.5504	PPBV	97
10) CHLOROMETHANE	1.737	52	39336	10.4080	PPBV	96
11) VINYL CHLORIDE	1.798	62	133813	11.5155	PPBV	100
12) 1,3-BUTADIENE	1.836	54	106307	11.2526	PPBV	94
13) N-BUTANE	1.853	43	187513	10.8686	PPBV	99
14) BROMOMETHANE	1.914	94	98008	10.5475	PPBV	99
15) CHLOROETHANE	1.965	64	66107	11.1080	PPBV	89
16) DICHLOROFLUOROMETHANE	1.988	67	248798	10.9386	PPBV	98
17) ACETONITRILE	2.058	41	104347	9.2366	PPBV	100
18) ACROLEIN	2.097	56	56353	9.9359	PPBV	99
19) FREON 123	2.110	83	246909	10.6830	PPBV	99
20) FREON 123A	2.129	117	139268	10.5046	PPBV	91
21) TRICHLOROFLUOROMETHANE	2.193	101	264243	10.0985	PPBV	99
22) ISOPROPYL ALCOHOL	2.219	45	237293	9.6279	PPBV	99
23) ACETONE	2.139	58	66012	9.8280	PPBV	84
24) PENTANE	2.312	42	126246	10.0840	PPBV	96
25) IODOMETHANE	2.373	142	243976	10.8091	PPBV	96
26) 1,1-DICHLOROETHYLENE	2.399	96	103685	10.6485	PPBV	93
27) CARBON DISULFIDE	2.531	76	312953	11.0286	PPBV	96
28) ETHANOL	1.997	45	68332	10.1469	PPBV	97
29) BROMOETHENE	2.065	106	97120	10.9291	PPBV	98
30) ACRYLONITRILE	2.280	52	90682	9.9263	PPBV	98
31) METHYLENE CHLORIDE	2.435	84	100386	10.0170	PPBV	94
32) 3-CHLOROPROPENE	2.476	76	56068	10.9336	PPBV	88
33) FREON 113	2.531	151	149829	9.7776	PPBV	92
34) TRANS-1,2-DICHLOROETHENE	2.759	96	101879	10.7282	PPBV	96
35) TERTIARY BUTYL ALCOHOL	2.422	59	251712	10.6398	PPBV	98
36) METHYL TERTIARY BUTYL ...	2.869	73	282521	11.8413	PPBV	98
37) TETRAHYDROFURAN	3.560	72	52317	11.5077	PPBV	93
38) HEXANE	3.325	57	212284	10.6888	PPBV	93
39) VINYL ACETATE	2.904	86	25650	11.8096	PPBV	75
40) 1,1-DICHLOROETHANE	2.833	63	218138	12.3272	PPBV	99
41) METHYL ETHYL KETONE	3.004	72	56445	11.6629	PPBV	87
42) CIS-1,2-DICHLOROETHENE	3.197	96	113336	11.2536	PPBV	100
43) DIISOPROPYL ETHER	3.332	59	60997	11.8034	PPBV	81
44) ETHYL ACETATE	3.338	61	43757	11.5288	PPBV	78
45) METHYL ACRYLATE	3.322	55	251871	11.5783	PPBV #	26
46) CHLOROFORM	3.344	83	228066	11.1973	PPBV	97
47) 2,4-DIMETHYLPENTANE	3.840	57	242883	11.4326	PPBV	99
48) 1,1,1-TRICHLOROETHANE	3.920	97	216676	11.6862	PPBV	97
49) CARBON TETRACHLORIDE	4.341	117	217532	11.9524	PPBV	97

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V7W392\
Data File : 7w10744.D
Acq On : 25 Nov 2024 9:50 am
Operator : williamc
Sample : bs Inst : MS7W
Misc : MS87372,v7w392,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 20:58:40 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50) 1,2-DICHLOROETHANE	3.756	62	169233	10.9554	PPBV		100
51) BENZENE	4.229	78	331480	11.0585	PPBV		97
53) CYCLOHEXANE	4.438	84	148223	10.9587	PPBV		99
54) 2,3-DIMETHYLPENTANE	4.692	71	77476	11.1854	PPBV		100
55) TRICHLOROETHENE	5.126	95	151444	10.3256	PPBV		99
56) 1,2-DICHLOROPROPANE	4.894	63	143500	10.9982	PPBV		96
57) DIBROMOMETHANE	4.852	174	130402	10.5954	PPBV		95
58) ETHYL ACRYLATE	5.013	55	303595	10.8388	PPBV		99
59) BROMODICHLOROMETHANE	5.071	83	247135	10.9801	PPBV		100
60) 2,2,4-TRIMETHYLPENTANE	5.222	57	656851	10.5967	PPBV		98
61) 1,4-DIOXANE	5.148	88	80000	9.9662	PPBV	#	96
62) HEPTANE	5.537	43	216836	9.9647	PPBV		95
63) METHYL METHACRYLATE	5.434	69	130131	11.1084	PPBV		93
64) METHYL ISOBUTYL KETONE	6.174	58	132769	9.9113	PPBV		90
65) CIS-1,3-DICHLOROPROPENE	6.061	75	200423	11.9861	PPBV		91
66) TOLUENE	7.264	91	404305	9.9228	PPBV		100
67) 1,3-DICHLOROPROPANE	7.325	76	207925	10.3868	PPBV		100
68) TRANS-1,3-DICHLOROPROPENE	6.740	75	168558	12.2887	PPBV		90
69) 1,1,2-TRICHLOROETHANE	6.897	83	122608	11.0065	PPBV		98
70) 2-HEXANONE	7.846	58	184199	9.0096	PPBV		91
71) ETHYL METHACRYLATE	7.971	69	212394	10.9635	PPBV		95
72) TETRACHLOROETHENE	8.994	164	159732	10.9718	PPBV		97
73) DIBROMOCHLOROMETHANE	7.798	129	233469	10.9405	PPBV		100
74) 1,2-DIBROMOETHANE	8.138	107	224023	11.4156	PPBV		98
75) OCTANE	9.138	43	302650	9.2460	PPBV		95
77) 1,1,1,2-TETRACHLOROETHANE	10.212	131	173606	12.7700	PPBV		96
78) CHLOROBENZENE	10.196	112	332741	10.8440	PPBV		100
79) ETHYLBENZENE	11.084	91	530999	10.5570	PPBV		96
80) M,P-XYLENE	11.505	91	818572	20.6032	PPBV		99
81) O-XYLENE	12.441	91	417664	10.4708	PPBV		98
82) STYRENE	12.225	104	322768	11.1838	PPBV		98
83) NONANE	13.563	43	321867	10.2031	PPBV		93
84) BROMOFORM	11.318	173	204791	11.8723	PPBV		100
85) 1,1,2,2-TETRACHLOROETHANE	12.453	83	325689	11.5921	PPBV		100
86) 1,2,3-TRICHLOROPROPANE	12.740	75	245814	10.8341	PPBV		100
88) ISOPROPYLBENZENE	13.955	120	164743	10.9038	PPBV		96
89) BROMOBENZENE	13.820	77	297259	10.3999	PPBV		97
90) 2-CHLOROTOLUENE	14.952	126	147645	10.6596	PPBV		99
91) N-PROPYLBENZENE	15.296	120	171928	11.0512	PPBV		99
92) 4-ETHYLTOLUENE	15.739	105	606755	11.0157	PPBV		99
93) 1,3,5-TRIMETHYLBENZENE	15.993	105	496783	10.7192	PPBV		97
94) ALPHA-METHYLSTYRENE	16.270	118	253768	10.3049	PPBV		99
95) TERT-BUTYLBENZENE	16.569	134	126733	11.4314	PPBV		93
96) 1,2,4-TRIMETHYLBENZENE	16.579	105	525402	10.8484	PPBV		98
97) BENZYL CHLORIDE	16.669	91	306225	21.7283	PPBV		97
98) M-DICHLOROBENZENE	16.640	146	349431	10.8111	PPBV		98
99) P-DICHLOROBENZENE	16.730	146	352985	11.0111	PPBV		98
100) O-DICHLOROBENZENE	17.045	146	334301	10.8003	PPBV		98
101) SEC-BUTYLBENZENE	16.874	134	159334	11.4193	PPBV		91
102) 1,2,3-TRIMETHYLBENZENE	16.990	105	507649	10.3532	PPBV		98
103) P-ISOPROPYLTOLUENE	17.064	134	173553	11.1468	PPBV		93
104) N-BUTYLBENZENE	17.424	134	175339	11.3453	PPBV		90
105) HEXACHLOROETHANE	17.604	117	192204	12.8148	PPBV		94
106) HEXACHLOROBUTADIENE	18.659	225	274155	11.7886	PPBV		99
107) 1,2,4-TRICHLOROBENZENE	18.347	180	340220	10.9802	PPBV		99
108) NAPHTHALENE	18.395	128	782109	9.6614	PPBV		100
110) TVHC as equiv Pentane	2.312	TIC	609787	9.6549	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V7W392\
Data File : 7w10744.D
Acq On : 25 Nov 2024 9:50 am
Operator : williamc
Sample : bs Inst : MS7W
Misc : MS87372,v7w392,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 20:58:40 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

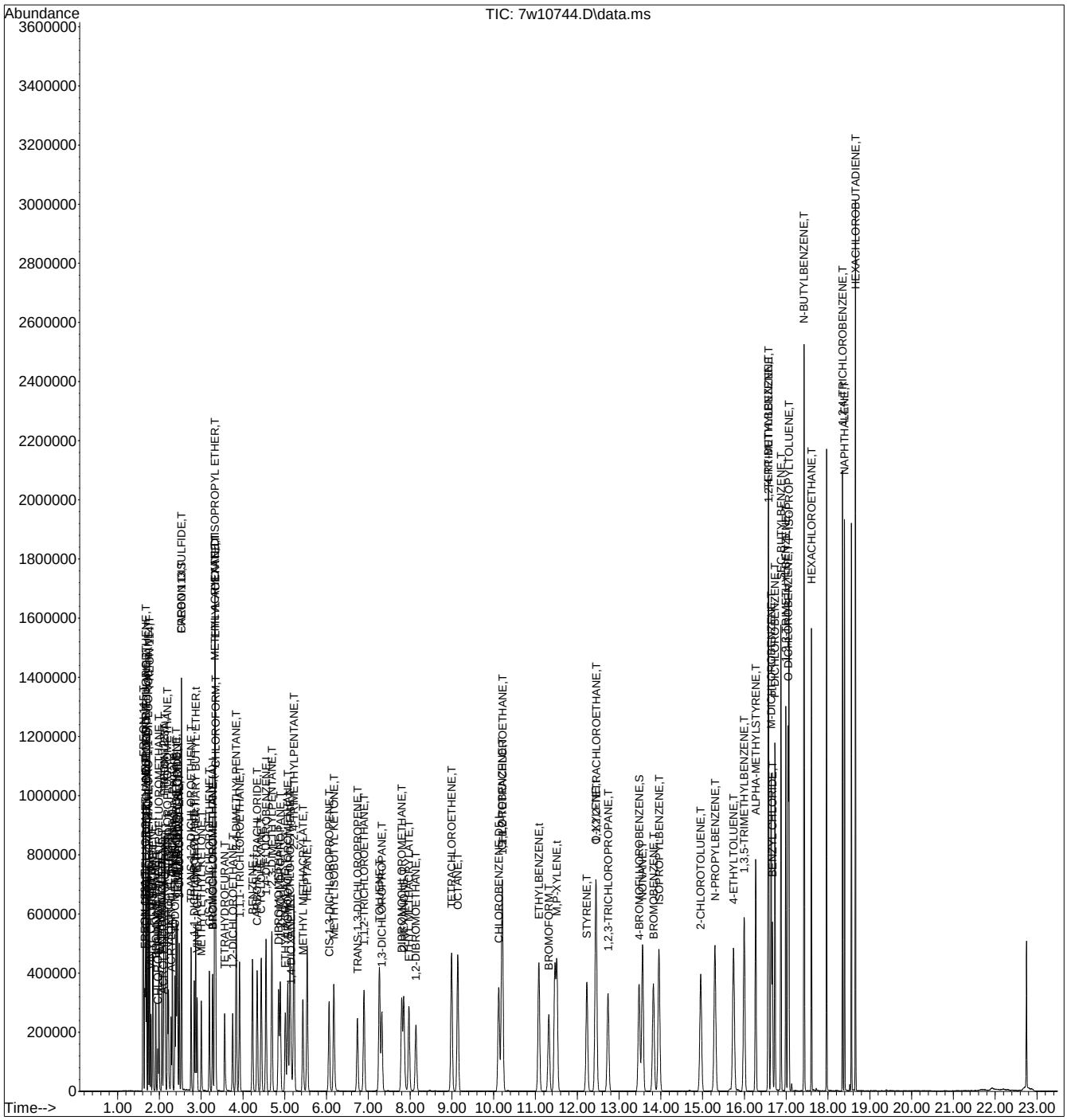
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V7W392\
Data File : 7w10744.D
Acq On : 25 Nov 2024 9:50 am
Operator : williamc
Sample : bs Inst : MS7W
Misc : MS87372,v7w392,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 20:58:40 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 11/25/24 17:07

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V7W392\
Data File : 7w10745.D
Acq On : 25 Nov 2024 10:26 am
Operator : williamc
Sample : bsd Inst : MS7W
Misc : MS87372,v7w392,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 21:30:46 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.274	128	73571	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.553	114	390728	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.122	117	328697	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.274	128	73571	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.476	95	238015	9.87	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.621	119	126767	13.4354	PPBV		97
3) FREON 152A	1.650	65	64072	12.5794	PPBV		94
4) CHLORODIFLUOROMETHANE	1.663	67	27910	11.3629	PPBV		96
5) CHLOROTRIFLUOROETHENE	1.676	116	134953	11.3047	PPBV		85
6) DICHLORODIFLUOROMETHANE	1.692	85	312492	10.5925	PPBV		98
7) PROPYLENE	1.673	41	78101	11.0799	PPBV		99
8) 1-CHLORO-1,1-DIFLUOROE...	1.730	65	261180	10.5740	PPBV		97
9) FREON 114	1.766	85	287471	11.4552	PPBV		97
10) CHLOROMETHANE	1.737	52	37526	9.8207	PPBV		97
11) VINYL CHLORIDE	1.798	62	131592	11.2008	PPBV		99
12) 1,3-BUTADIENE	1.837	54	102140	10.6935	PPBV		95
13) N-BUTANE	1.853	43	182502	10.4627	PPBV		99
14) BROMOMETHANE	1.914	94	96480	10.2698	PPBV		98
15) CHLOROETHANE	1.965	64	64033	10.6421	PPBV		89
16) DICHLOROFLUOROMETHANE	1.988	67	243023	10.5681	PPBV		99
17) ACETONITRILE	2.058	41	102241	8.9514	PPBV		100
18) ACROLEIN	2.097	56	54358	9.4795	PPBV		99
19) FREON 123	2.110	83	246615	10.5538	PPBV		99
20) FREON 123A	2.129	117	140717	10.4980	PPBV		96
21) TRICHLOROFLUOROMETHANE	2.193	101	261134	9.8707	PPBV		100
22) ISOPROPYL ALCOHOL	2.219	45	232396	9.3262	PPBV		99
23) ACETONE	2.139	58	63944	9.4162	PPBV		84
24) PENTANE	2.309	42	121088	9.5664	PPBV		97
25) IODOMETHANE	2.370	142	245857	10.7736	PPBV		96
26) 1,1-DICHLOROETHYLENE	2.399	96	105886	10.7558	PPBV		97
27) CARBON DISULFIDE	2.531	76	305632m	10.6530	PPBV		
28) ETHANOL	1.997	45	64956	9.5403	PPBV		98
29) BROMOETHENE	2.065	106	96391	10.7286	PPBV		98
30) ACRYLONITRILE	2.280	52	88218	9.5512	PPBV		99
31) METHYLENE CHLORIDE	2.435	84	99175	9.7882	PPBV		98
32) 3-CHLOROPROPENE	2.476	76	55651	10.7338	PPBV		90
33) FREON 113	2.531	151	148017	9.5539	PPBV		91
34) TRANS-1,2-DICHLOROETHENE	2.759	96	102117	10.6359	PPBV		96
35) TERTIARY BUTYL ALCOHOL	2.425	59	250941	10.4914	PPBV		98
36) METHYL TERTIARY BUTYL ...	2.872	73	282260	11.7012	PPBV		99
37) TETRAHYDROFURAN	3.563	72	52892	11.5072	PPBV		92
38) HEXANE	3.325	57	213710	10.6432	PPBV		93
39) VINYL ACETATE	2.907	86	24425	11.1229	PPBV		75
40) 1,1-DICHLOROETHANE	2.836	63	214500	11.9893	PPBV		99
41) METHYL ETHYL KETONE	3.004	72	55669	11.3770	PPBV		90
42) CIS-1,2-DICHLOROETHENE	3.197	96	113738	11.1703	PPBV		99
43) DIISOPROPYL ETHER	3.332	59	61300	11.7325	PPBV		83
44) ETHYL ACETATE	3.335	61	43835	11.4233	PPBV		79
45) METHYL ACRYLATE	3.322	55	251911	11.4538	PPBV	#	26
46) CHLOROFORM	3.348	83	225298	10.9406	PPBV		98
47) 2,4-DIMETHYLPENTANE	3.840	57	243275	11.3261	PPBV		99
48) 1,1,1-TRICHLOROETHANE	3.917	97	216349	11.5412	PPBV		97
49) CARBON TETRACHLORIDE	4.341	117	212833	11.5665	PPBV		97

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V7W392\
Data File : 7w10745.D
Acq On : 25 Nov 2024 10:26 am
Operator : williamc
Sample : bsd Inst : MS7W
Misc : MS87372,v7w392,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 21:30:46 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	3.756	62	171263	10.9658	PPBV		99
51)	BENZENE	4.229	78	331521	10.9391	PPBV		97
53)	CYCLOHEXANE	4.438	84	148534	10.7630	PPBV		100
54)	2,3-DIMETHYLPENTANE	4.692	71	78653	11.1293	PPBV		98
55)	TRICHLOROETHENE	5.126	95	150189	10.0361	PPBV		98
56)	1,2-DICHLOROPROPANE	4.894	63	144095	10.8239	PPBV		97
57)	DIBROMOMETHANE	4.852	174	128872	10.2626	PPBV		96
58)	ETHYL ACRYLATE	5.016	55	309191	10.8188	PPBV		99
59)	BROMODICHLOROMETHANE	5.071	83	242598	10.5639	PPBV		100
60)	2,2,4-TRIMETHYLPENTANE	5.219	57	665824	10.5275	PPBV		99
61)	1,4-DIOXANE	5.158	88	85002	10.3785	PPBV	#	94
62)	HEPTANE	5.537	43	220071	9.9119	PPBV		95
63)	METHYL METHACRYLATE	5.438	69	130022	10.8781	PPBV		95
64)	METHYL ISOBUTYL KETONE	6.174	58	133602	9.7749	PPBV		91
65)	CIS-1,3-DICHLOROPROPENE	6.061	75	200690	11.7631	PPBV		91
66)	TOLUENE	7.267	91	403801	9.7131	PPBV		100
67)	1,3-DICHLOROPROPANE	7.325	76	210098	10.2864	PPBV		100
68)	TRANS-1,3-DICHLOROPROPENE	6.740	75	167872	11.9950	PPBV		90
69)	1,1,2-TRICHLOROETHANE	6.897	83	122856	10.8091	PPBV		98
70)	2-HEXANONE	7.849	58	187489	8.9880	PPBV		90
71)	ETHYL METHACRYLATE	7.971	69	216864	10.9714	PPBV		95
72)	TETRACHLOROETHENE	8.991	164	161382	10.8644	PPBV		97
73)	DIBROMOCHLOROMETHANE	7.801	129	232120	10.6607	PPBV		99
74)	1,2-DIBROMOETHANE	8.142	107	224390	11.2066	PPBV		99
75)	OCTANE	9.142	43	305034	9.1333	PPBV		96
77)	1,1,1,2-TETRACHLOROETHANE	10.212	131	173624	12.3163	PPBV		96
78)	CHLOROBENZENE	10.196	112	339775	10.6787	PPBV		100
79)	ETHYLBENZENE	11.081	91	539755	10.3488	PPBV		96
80)	M,P-XYLENE	11.505	91	828409	20.1079	PPBV		99
81)	O-XYLENE	12.441	91	426899	10.3210	PPBV		98
82)	STYRENE	12.232	104	326726	10.9176	PPBV		98
83)	NONANE	13.560	43	327214	10.0030	PPBV		93
84)	BROMOFORM	11.318	173	203920	11.4006	PPBV		100
85)	1,1,2,2-TETRACHLOROETHANE	12.453	83	330684	11.3505	PPBV		100
86)	1,2,3-TRICHLOROPROPANE	12.736	75	247809	10.5329	PPBV		100
88)	ISOPROPYLBENZENE	13.955	120	167761	10.7080	PPBV		96
89)	BROMOBENZENE	13.820	77	300920	10.1529	PPBV		97
90)	2-CHLOROTOLUENE	14.955	126	150937	10.5091	PPBV		100
91)	N-PROPYLBENZENE	15.296	120	175229	10.8621	PPBV		99
92)	4-ETHYLTOLUENE	15.740	105	625538	10.9521	PPBV		99
93)	1,3,5-TRIMETHYLBENZENE	15.997	105	507213	10.5543	PPBV		98
94)	ALPHA-METHYLSTYRENE	16.270	118	260983	10.2203	PPBV		99
95)	TERT-BUTYLBENZENE	16.569	134	127325	11.0757	PPBV		94
96)	1,2,4-TRIMETHYLBENZENE	16.579	105	535071	10.6544	PPBV		98
97)	BENZYL CHLORIDE	16.669	91	309390	21.1707	PPBV		97
98)	M-DICHLOROBENZENE	16.640	146	354409	10.5745	PPBV		98
99)	P-DICHLOROBENZENE	16.733	146	362979	10.9194	PPBV		98
100)	O-DICHLOROBENZENE	17.045	146	338699	10.5525	PPBV		98
101)	SEC-BUTYLBENZENE	16.875	134	162561	11.2355	PPBV		91
102)	1,2,3-TRIMETHYLBENZENE	16.990	105	516830	10.1649	PPBV		98
103)	P-ISOPROPYLTOLUENE	17.064	134	176643	10.9411	PPBV		93
104)	N-BUTYLBENZENE	17.424	134	178412	11.1329	PPBV		91
105)	HEXACHLOROETHANE	17.601	117	196316	12.6226	PPBV		95
106)	HEXACHLOROBUTADIENE	18.656	225	276712	11.4746	PPBV		100
107)	1,2,4-TRICHLOROBENZENE	18.347	180	348894	10.8589	PPBV		99
108)	NAPHTHALENE	18.392	128	804321	9.5818	PPBV		100
110)	TVHC as equiv Pentane	2.312	TIC	591308	9.2601	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V7W392\
Data File : 7w10745.D
Acq On : 25 Nov 2024 10:26 am
Operator : williamc
Sample : bsd Inst : MS7W
Misc : MS87372,v7w392,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 21:30:46 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

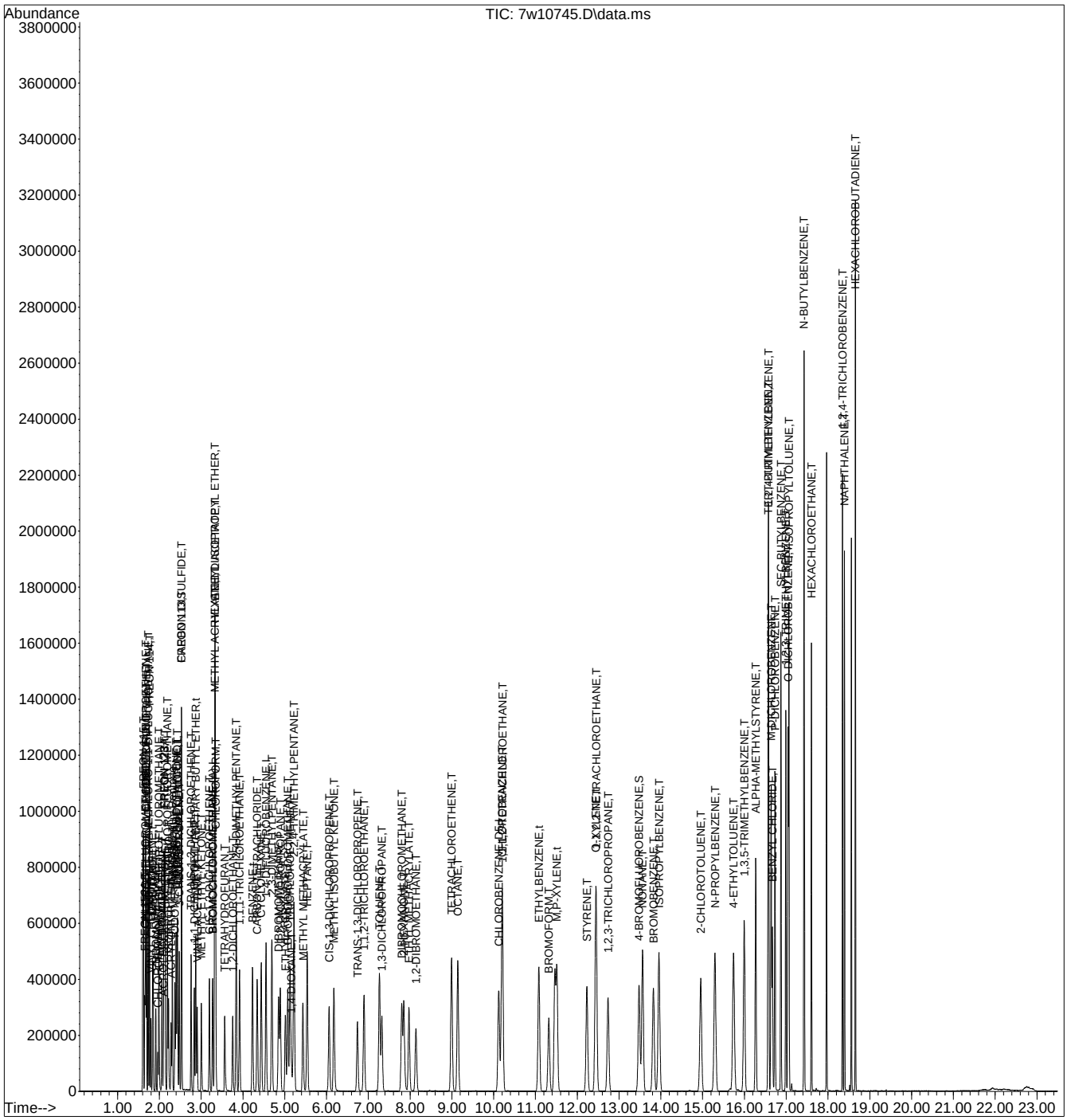
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V7W392\
Data File : 7w10745.D
Acq On : 25 Nov 2024 10:26 am
Operator : williamc
Sample : bsd Inst : MS7W
Misc : MS87372,v7w392,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 21:30:46 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



Manual Integration Approval Summary

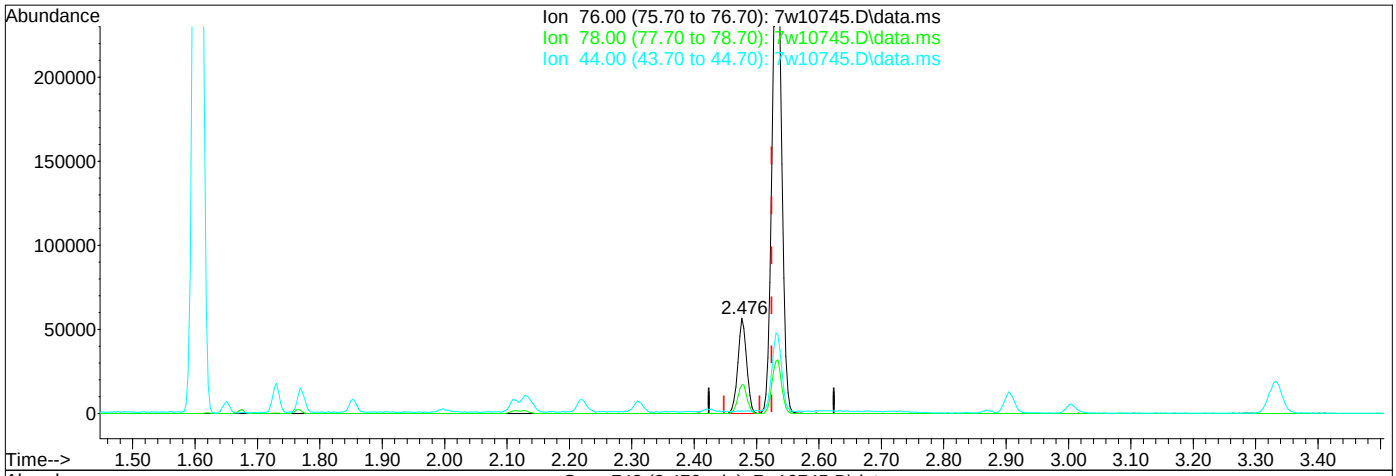
Sample Number: V7W392-BSD
Lab FileID: 7W10745.D
Injection Time: 11/25/24 10:26
Method: TO-15
Analyst approved: 11/25/24 16:53 Geralyn Gomez
Supervisor approved: 11/25/24 17:07 Kanya Veerawat

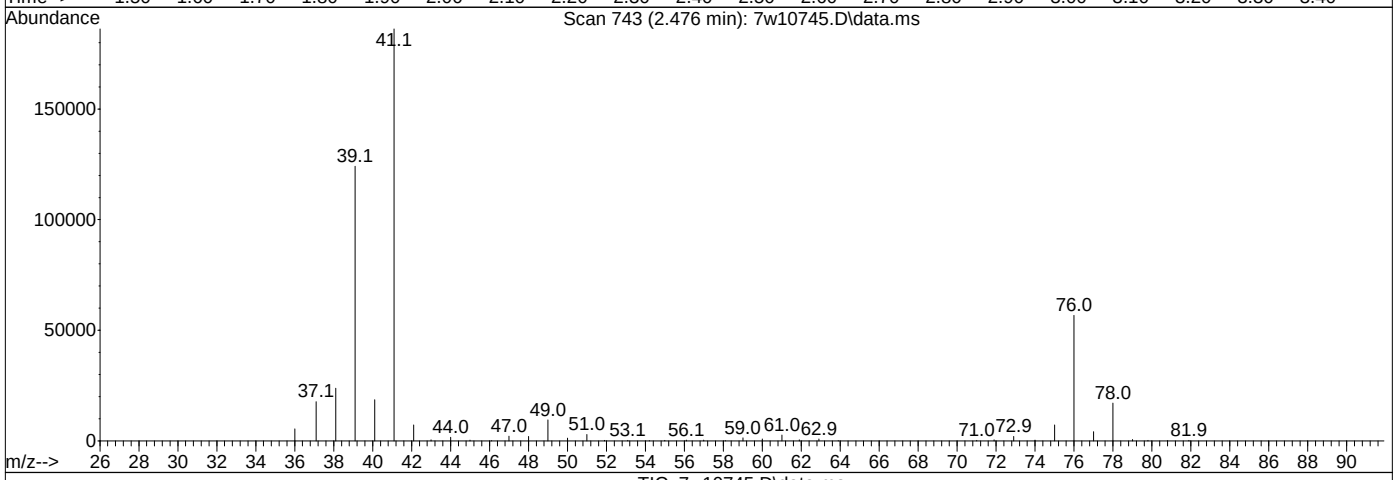
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon disulfide	75-15-0		2.53	Missed peak

Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V7W392\
Data File : 7w10745.D
Acq On : 25 Nov 2024 10:26 am
Operator : williamc
Sample : bsd Inst : MS7W
Misc : MS87372,v7w392,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 20:59:05 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration





TIC: 7w10745.D\data.ms

(27) CARBON DISULFIDE (T)

2.476min (-0.048) 1.94PPBV

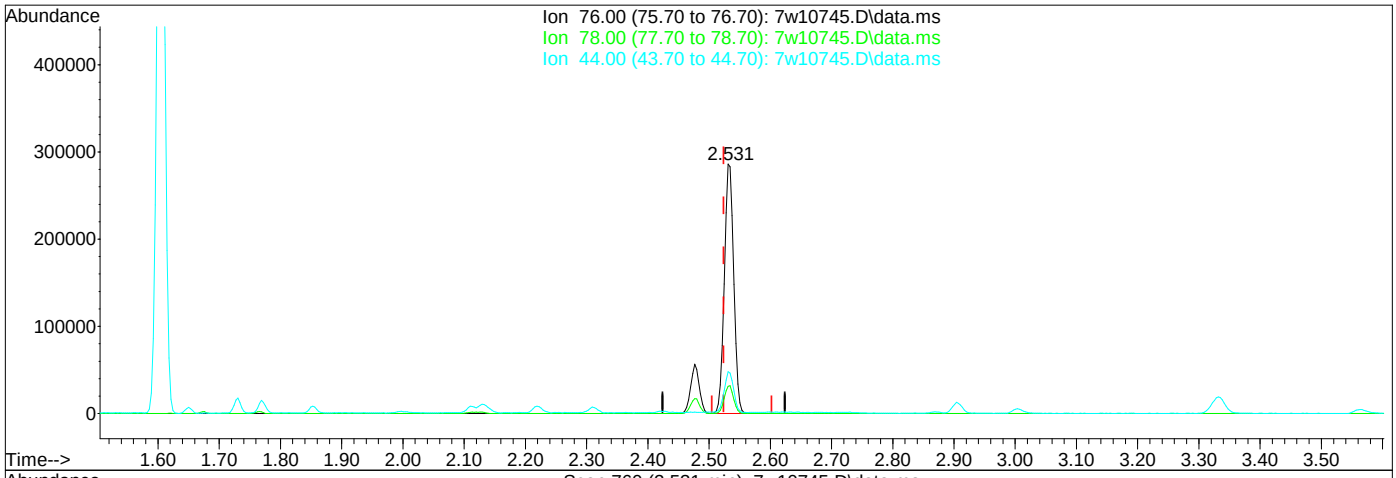
response 55690

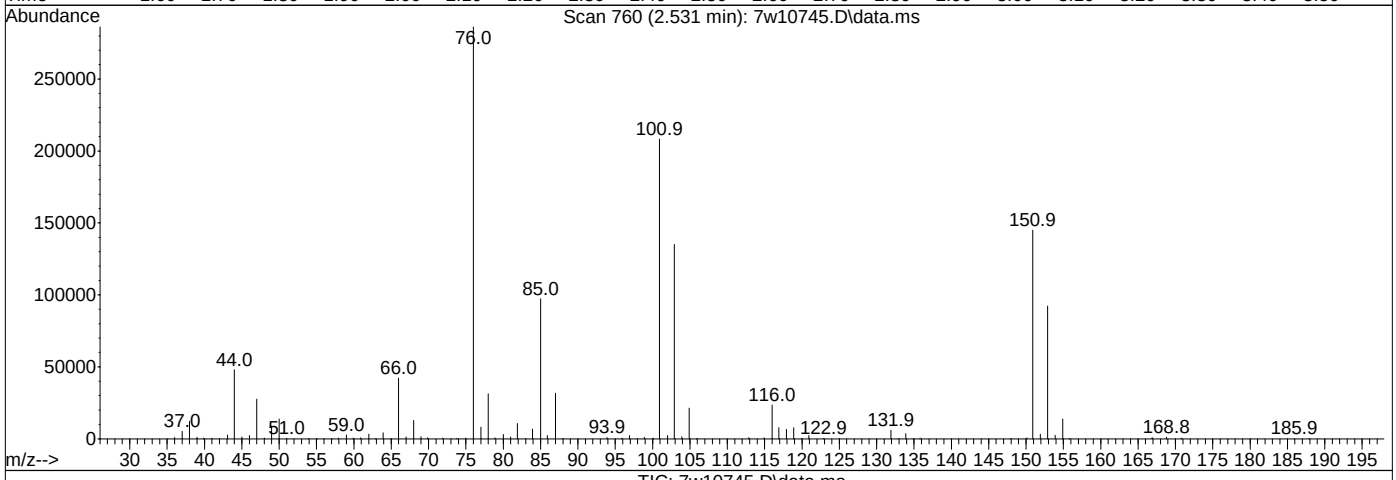
Ion	Exp%	Act%
76.00	100	100
78.00	11.40	32.24#
44.00	19.10	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V7W392\
Data File : 7w10745.D
Acq On : 25 Nov 2024 10:26 am
Operator : williamc
Sample : bsd Inst : MS7W
Misc : MS87372,v7w392,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 20:59:05 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration





TIC: 7w10745.D\data.ms

(27) CARBON DISULFIDE (T)

2.531min (+0.007) 10.65PPBV m

response 305632

Ion	Exp%	Act%
76.00	100	100
78.00	11.40	5.88#
44.00	19.10	0.00#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w10811.D
Acq On : 27 Nov 2024 7:39 pm
Operator : benk
Sample : bs
Misc : MS87455,v7w394,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 27 20:10:00 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.277	128	55762	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.553	114	306387	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.119	117	265550	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.277	128	55762	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.479	95	188349	9.67	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.621	119	106500	14.89	PPBV		85
3) FREON 152A	1.650	65	61238	15.86	PPBV		88
4) CHLORODIFLUOROMETHANE	1.663	67	22677	12.18	PPBV		99
5) CHLOROTRIFLUOROETHENE	1.676	116	122214	13.51	PPBV		88
6) DICHLORODIFLUOROMETHANE	1.692	85	290858	13.01	PPBV		95
7) PROPYLENE	1.672	41	84030	15.73	PPBV		98
8) 1-CHLORO-1,1-DIFLUOROE...	1.730	65	185916	9.93	PPBV		92
9) FREON 114	1.766	85	269470	14.17	PPBV		96
10) CHLOROMETHANE	1.737	52	32753	11.31	PPBV		98
11) VINYL CHLORIDE	1.798	62	113517	12.75	PPBV		98
12) 1,3-BUTADIENE	1.836	54	92751	12.81	PPBV		86
13) N-BUTANE	1.852	43	160948	12.17	PPBV		99
14) BROMOMETHANE	1.914	94	104563	14.68	PPBV		99
15) CHLOROETHANE	1.965	64	59411	13.03	PPBV		97
16) DICHLOROFLUOROMETHANE	1.988	67	215018	12.34	PPBV	#	97
17) ACETONITRILE	2.058	41	99105	11.45	PPBV		97
18) ACROLEIN	2.097	56	51997	11.96	PPBV		99
19) FREON 123	2.113	83	259845	14.67	PPBV		97
20) FREON 123A	2.129	117	152493	15.01	PPBV		86
21) TRICHLOROFLUOROMETHANE	2.197	101	239506	11.94	PPBV		99
22) ISOPROPYL ALCOHOL	2.219	45	216551	11.47	PPBV		94
23) ACETONE	2.139	58	61918	12.03	PPBV		64
24) PENTANE	2.312	42	117359	12.23	PPBV		90
25) IODOMETHANE	2.373	142	272580	15.76	PPBV		81
26) 1,1-DICHLOROETHYLENE	2.399	96	111361	14.92	PPBV		70
27) CARBON DISULFIDE	2.534	76	295323	13.58	PPBV	#	88
28) ETHANOL	1.997	45	62609	12.13	PPBV		99
29) BROMOETHENE	2.068	106	107486	15.78	PPBV	#	96
30) ACRYLONITRILE	2.283	52	88126	12.59	PPBV		97
31) METHYLENE CHLORIDE	2.438	84	100522	13.09	PPBV		76
32) 3-CHLOROPROPENE	2.479	76	53323	13.57	PPBV	#	55
33) FREON 113	2.534	151	166592	14.19	PPBV		97
34) TRANS-1,2-DICHLOROETHENE	2.762	96	109732	15.08	PPBV		91
35) TERTIARY BUTYL ALCOHOL	2.425	59	190378	10.50	PPBV		96
36) METHYL TERTIARY BUTYL ...	2.872	73	256963	14.05	PPBV		97
37) TETRAHYDROFURAN	3.566	72	48225	13.84	PPBV		99
38) HEXANE	3.328	57	187705	12.33	PPBV		94
39) VINYL ACETATE	2.907	86	23917	14.37	PPBV		94
40) 1,1-DICHLOROETHANE	2.836	63	192475	14.19	PPBV		100
41) METHYL ETHYL KETONE	3.007	72	51463	13.88	PPBV		98
42) CIS-1,2-DICHLOROETHENE	3.200	96	99089	12.84	PPBV		95
43) DIISOPROPYL ETHER	3.335	59	54327	13.72	PPBV		96
44) ETHYL ACETATE	3.338	61	40163	13.81	PPBV		90
45) METHYL ACRYLATE	3.325	55	227306	13.64	PPBV	#	26
46) CHLOROFORM	3.348	83	196824	12.61	PPBV		97
47) 2,4-DIMETHYLPENTANE	3.840	57	212817	13.07	PPBV		98
48) 1,1,1-TRICHLOROETHANE	3.920	97	175996	12.39	PPBV		94
49) CARBON TETRACHLORIDE	4.341	117	162651	11.66	PPBV		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w10811.D
Acq On : 27 Nov 2024 7:39 pm
Operator : benk
Sample : bs
Misc : MS87455,v7w394,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 27 20:10:00 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50) 1,2-DICHLOROETHANE	3.756	62	128009	10.81	PPBV		98
51) BENZENE	4.229	78	310150	13.50	PPBV		95
53) CYCLOHEXANE	4.441	84	131886	12.19	PPBV		99
54) 2,3-DIMETHYLPENTANE	4.695	71	70937	12.80	PPBV		95
55) TRICHLOROETHENE	5.129	95	130917	11.16	PPBV		93
56) 1,2-DICHLOROPROPANE	4.894	63	127172	12.18	PPBV		94
57) DIBROMOMETHANE	4.852	174	94402	9.59	PPBV		89
58) ETHYL ACRYLATE	5.016	55	277489	12.38	PPBV		99
59) BROMODICHLOROMETHANE	5.074	83	214651	11.92	PPBV		99
60) 2,2,4-TRIMETHYLPENTANE	5.222	57	580253	11.70	PPBV		97
61) 1,4-DIOXANE	5.151	88	74868	11.66	PPBV	#	99
62) HEPTANE	5.537	43	220116	12.64	PPBV		98
63) METHYL METHACRYLATE	5.438	69	123107	13.13	PPBV		94
64) METHYL ISOBUTYL KETONE	6.174	58	119368	11.14	PPBV		97
65) CIS-1,3-DICHLOROPROPENE	6.065	75	177416	13.26	PPBV		89
66) TOLUENE	7.267	91	374197	11.48	PPBV		98
67) 1,3-DICHLOROPROPANE	7.328	76	187022	11.68	PPBV		98
68) TRANS-1,3-DICHLOROPROPENE	6.740	75	144804	13.19	PPBV		89
69) 1,1,2-TRICHLOROETHANE	6.897	83	113514	12.74	PPBV		95
70) 2-HEXANONE	7.849	58	169735	10.38	PPBV		99
71) ETHYL METHACRYLATE	7.974	69	202078	13.04	PPBV		95
72) TETRACHLOROETHENE	8.997	164	119065	10.22	PPBV		98
73) DIBROMOCHLOROMETHANE	7.801	129	178399	10.45	PPBV		99
74) 1,2-DIBROMOETHANE	8.142	107	189050	12.04	PPBV		99
75) OCTANE	9.142	43	301124	11.50	PPBV		96
77) 1,1,1,2-TETRACHLOROETHANE	10.212	131	125015	10.98	PPBV		96
78) CHLOROBENZENE	10.199	112	274076	10.66	PPBV		96
79) ETHYLBENZENE	11.080	91	497407	11.80	PPBV		100
80) M,P-XYLENE	11.508	91	726797	21.84	PPBV		98
81) O-XYLENE	12.440	91	374880	11.22	PPBV		97
82) STYRENE	12.228	104	286378	11.84	PPBV		98
83) NONANE	13.563	43	317181	12.00	PPBV		97
84) BROMOFORM	11.322	173	141287	9.78	PPBV		99
85) 1,1,2,2-TETRACHLOROETHANE	12.453	83	302053	12.83	PPBV		99
86) 1,2,3-TRICHLOROPROPANE	12.736	75	213053	11.21	PPBV		100
88) ISOPROPYLBENZENE	13.955	120	131119	10.36	PPBV		97
89) BROMOBENZENE	13.820	77	267853	11.19	PPBV		89
90) 2-CHLOROTOLUENE	14.952	126	115898	9.99	PPBV		99
91) N-PROPYLBENZENE	15.292	120	136951	10.51	PPBV		98
92) 4-ETHYLTOLUENE	15.743	105	522037	11.31	PPBV		97
93) 1,3,5-TRIMETHYLBENZENE	15.997	105	422011	10.87	PPBV		98
94) ALPHA-METHYLSTYRENE	16.270	118	213910	10.37	PPBV		99
95) TERT-BUTYLBENZENE	16.569	134	95366	10.27	PPBV		99
96) 1,2,4-TRIMETHYLBENZENE	16.579	105	440654	10.86	PPBV		97
97) BENZYL CHLORIDE	16.669	91	272864	23.11	PPBV		97
98) M-DICHLOROBENZENE	16.640	146	265681	9.81	PPBV		99
99) P-DICHLOROBENZENE	16.730	146	274797	10.23	PPBV		98
100) O-DICHLOROBENZENE	17.042	146	256426	9.89	PPBV		99
101) SEC-BUTYLBENZENE	16.874	134	119348	10.21	PPBV		85
102) 1,2,3-TRIMETHYLBENZENE	16.990	105	426966	10.39	PPBV		99
103) P-ISOPROPYLTOLUENE	17.064	134	132145	10.13	PPBV		99
104) N-BUTYLBENZENE	17.424	134	131796	10.18	PPBV		79
105) HEXACHLOROETHANE	17.601	117	152519	12.14	PPBV		97
106) HEXACHLOROBUTADIENE	18.652	225	175631	9.01	PPBV		99
107) 1,2,4-TRICHLOROBENZENE	18.344	180	241852	9.32	PPBV		100
108) NAPHTHALENE	18.389	128	643847	9.49	PPBV		100
110) TVHC as equiv Pentane	2.312	TIC	545653	11.27	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w10811.D
Acq On : 27 Nov 2024 7:39 pm
Operator : benk
Sample : bs
Misc : MS87455,v7w394,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 27 20:10:00 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

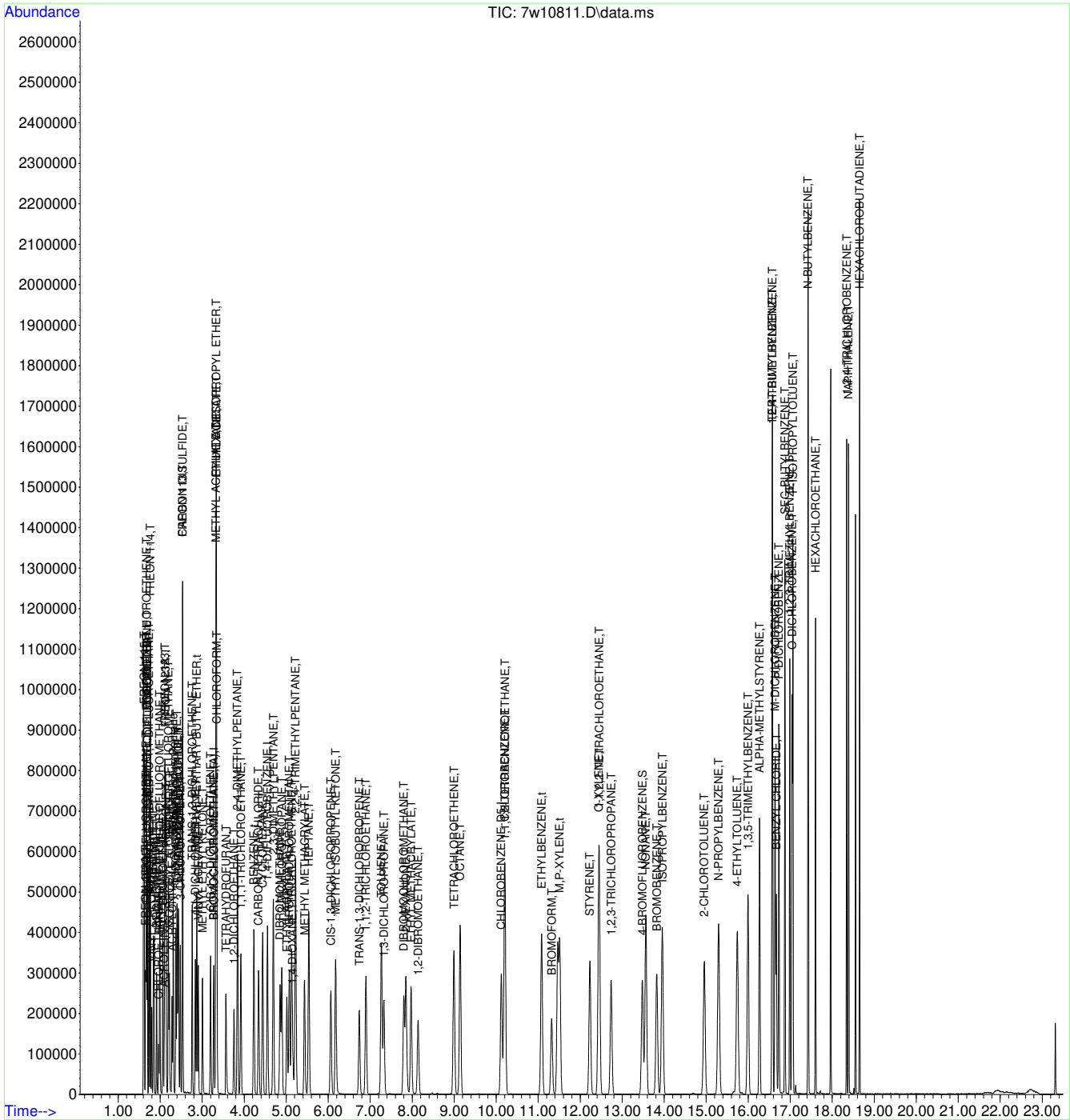
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w10811.D
Acq On : 27 Nov 2024 7:39 pm
Operator : benk
Sample : bs
Misc : MS87455,v7w394,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 27 20:10:00 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w10812.D
Acq On : 27 Nov 2024 8:15 pm
Operator : benk
Sample : bsd
Misc : MS87455,v7w394,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 27 21:30:38 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.277	128	60346	10.00	PPBV		0.01
52) 1,4-DIFLUOROBENZENE	4.553	114	312395	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.122	117	269051	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.277	128	60346	10.00	PPBV		0.01
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.476	95	191776	9.72	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.621	119	106529	13.76	PPBV		85
3) FREON 152A	1.650	65	62703	15.01	PPBV		88
4) CHLORODIFLUOROMETHANE	1.663	67	23122	11.48	PPBV		98
5) CHLOROTRIFLUOROETHENE	1.676	116	123893	12.65	PPBV		88
6) DICHLORODIFLUOROMETHANE	1.692	85	295636	12.22	PPBV		95
7) PROPYLENE	1.673	41	88440	15.30	PPBV		96
8) 1-CHLORO-1,1-DIFLUOROE...	1.730	65	185189	9.14	PPBV	#	92
9) FREON 114	1.766	85	269185	13.08	PPBV		95
10) CHLOROMETHANE	1.737	52	32903	10.50	PPBV		99
11) VINYL CHLORIDE	1.798	62	112209	11.64	PPBV		98
12) 1,3-BUTADIENE	1.837	54	94107	12.01	PPBV		86
13) N-BUTANE	1.853	43	166559	11.64	PPBV		100
14) BROMOMETHANE	1.914	94	104797	13.60	PPBV		99
15) CHLOROETHANE	1.962	64	60159	12.19	PPBV		95
16) DICHLOROFLUOROMETHANE	1.988	67	217264	11.52	PPBV	#	96
17) ACETONITRILE	2.058	41	101619	10.85	PPBV		98
18) ACROLEIN	2.100	56	52419	11.14	PPBV		98
19) FREON 123	2.113	83	261887	13.66	PPBV		97
20) FREON 123A	2.129	117	152091	13.83	PPBV		87
21) TRICHLOROFLUOROMETHANE	2.197	101	240713	11.09	PPBV		99
22) ISOPROPYL ALCOHOL	2.219	45	220779	10.80	PPBV		94
23) ACETONE	2.139	58	61680	11.07	PPBV		69
24) PENTANE	2.312	42	120248	11.58	PPBV		89
25) IODOMETHANE	2.374	142	277707	14.84	PPBV		80
26) 1,1-DICHLOROETHYLENE	2.399	96	112705	13.96	PPBV		69
27) CARBON DISULFIDE	2.534	76	293492	12.47	PPBV	#	88
28) ETHANOL	1.997	45	65804	11.78	PPBV		97
29) BROMOETHENE	2.065	106	108160	14.68	PPBV	#	97
30) ACRYLONITRILE	2.284	52	88162	11.64	PPBV		96
31) METHYLENE CHLORIDE	2.438	84	101365	12.20	PPBV		75
32) 3-CHLOROPROPENE	2.480	76	53923	12.68	PPBV	#	55
33) FREON 113	2.534	151	170210	13.39	PPBV		95
34) TRANS-1,2-DICHLOROETHENE	2.763	96	111894	14.21	PPBV		89
35) TERTIARY BUTYL ALCOHOL	2.422	59	192712	9.82	PPBV		96
36) METHYL TERTIARY BUTYL ...	2.872	73	270739	13.68	PPBV		97
37) TETRAHYDROFURAN	3.563	72	49832	13.22	PPBV		98
38) HEXANE	3.328	57	198565	12.06	PPBV		94
39) VINYL ACETATE	2.907	86	26963	14.97	PPBV		83
40) 1,1-DICHLOROETHANE	2.837	63	201145	13.71	PPBV		100
41) METHYL ETHYL KETONE	3.004	72	56721	14.13	PPBV		100
42) CIS-1,2-DICHLOROETHENE	3.200	96	107628	12.89	PPBV		94
43) DIISOPROPYL ETHER	3.332	59	58187	13.58	PPBV		96
44) ETHYL ACETATE	3.338	61	41782	13.27	PPBV		96
45) METHYL ACRYLATE	3.325	55	243906	13.52	PPBV	#	26
46) CHLOROFORM	3.351	83	208124	12.32	PPBV		96
47) 2,4-DIMETHYLPENTANE	3.843	57	218316	12.39	PPBV		98
48) 1,1,1-TRICHLOROETHANE	3.920	97	178890	11.63	PPBV		95
49) CARBON TETRACHLORIDE	4.341	117	165080	10.94	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w10812.D
Acq On : 27 Nov 2024 8:15 pm
Operator : benk
Sample : bsd
Misc : MS87455,v7w394,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 27 21:30:38 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	3.756	62	131697	10.28	PPBV		99
51)	BENZENE	4.232	78	316810	12.74	PPBV		95
53)	CYCLOHEXANE	4.438	84	134240	12.17	PPBV		99
54)	2,3-DIMETHYLPENTANE	4.695	71	72174	12.77	PPBV		95
55)	TRICHLOROETHENE	5.129	95	132893	11.11	PPBV		93
56)	1,2-DICHLOROPROPANE	4.894	63	130020	12.22	PPBV		94
57)	DIBROMOMETHANE	4.856	174	96344	9.60	PPBV		90
58)	ETHYL ACRYLATE	5.016	55	288262	12.62	PPBV		99
59)	BROMODICHLOROMETHANE	5.074	83	218689	11.91	PPBV		99
60)	2,2,4-TRIMETHYLPENTANE	5.222	57	596717	11.80	PPBV		97
61)	1,4-DIOXANE	5.155	88	75185	11.48	PPBV	#	99
62)	HEPTANE	5.537	43	222999	12.56	PPBV		97
63)	METHYL METHACRYLATE	5.438	69	124388	13.02	PPBV		95
64)	METHYL ISOBUTYL KETONE	6.177	58	123073	11.26	PPBV		97
65)	CIS-1,3-DICHLOROPROPENE	6.061	75	180485	13.23	PPBV		89
66)	TOLUENE	7.267	91	380891	11.46	PPBV		98
67)	1,3-DICHLOROPROPANE	7.322	76	190366	11.66	PPBV		98
68)	TRANS-1,3-DICHLOROPROPENE	6.740	75	146904	13.13	PPBV		89
69)	1,1,2-TRICHLOROETHANE	6.894	83	116319	12.80	PPBV		95
70)	2-HEXANONE	7.849	58	173928	10.43	PPBV		99
71)	ETHYL METHACRYLATE	7.971	69	202836	12.83	PPBV		96
72)	TETRACHLOROETHENE	8.991	164	121916	10.27	PPBV		98
73)	DIBROMOCHLOROMETHANE	7.801	129	181262	10.41	PPBV		99
74)	1,2-DIBROMOETHANE	8.142	107	191767	11.98	PPBV		99
75)	OCTANE	9.142	43	309731	11.60	PPBV		96
77)	1,1,1,2-TETRACHLOROETHANE	10.209	131	128269	11.12	PPBV		97
78)	CHLOROBENZENE	10.196	112	280245	10.76	PPBV		96
79)	ETHYLBENZENE	11.081	91	494526	11.58	PPBV		100
80)	M,P-XYLENE	11.508	91	756612	22.44	PPBV		99
81)	O-XYLENE	12.444	91	380458	11.24	PPBV		98
82)	STYRENE	12.232	104	290453	11.86	PPBV		98
83)	NONANE	13.563	43	326525	12.19	PPBV		96
84)	BROMOFORM	11.319	173	142264	9.72	PPBV		99
85)	1,1,2,2-TETRACHLOROETHANE	12.457	83	304802	12.78	PPBV		99
86)	1,2,3-TRICHLOROPROPANE	12.740	75	215221	11.18	PPBV		100
88)	ISOPROPYLBENZENE	13.958	120	133926	10.44	PPBV		98
89)	BROMOBENZENE	13.820	77	272710	11.24	PPBV		89
90)	2-CHLOROTOLUENE	14.955	126	118611	10.09	PPBV		100
91)	N-PROPYLBENZENE	15.296	120	139571	10.57	PPBV		99
92)	4-ETHYLTOLUENE	15.740	105	530790	11.35	PPBV		98
93)	1,3,5-TRIMETHYLBENZENE	15.994	105	428635	10.90	PPBV		98
94)	ALPHA-METHYLSTYRENE	16.270	118	218511	10.45	PPBV		100
95)	TERT-BUTYLBENZENE	16.569	134	97378	10.35	PPBV		99
96)	1,2,4-TRIMETHYLBENZENE	16.579	105	450835	10.97	PPBV		96
97)	BENZYL CHLORIDE	16.669	91	271229	22.67	PPBV		97
98)	M-DICHLOROBENZENE	16.640	146	270808	9.87	PPBV		99
99)	P-DICHLOROBENZENE	16.730	146	278637	10.24	PPBV		99
100)	O-DICHLOROBENZENE	17.042	146	259712	9.89	PPBV		99
101)	SEC-BUTYLBENZENE	16.875	134	122823	10.37	PPBV		87
102)	1,2,3-TRIMETHYLBENZENE	16.990	105	432355	10.39	PPBV		99
103)	P-ISOPROPYLTOLUENE	17.064	134	135537	10.26	PPBV		97
104)	N-BUTYLBENZENE	17.424	134	138395	10.55	PPBV		83
105)	HEXACHLOROETHANE	17.601	117	155023	12.18	PPBV		97
106)	HEXACHLOROBUTADIENE	18.649	225	178158	9.03	PPBV		99
107)	1,2,4-TRICHLOROBENZENE	18.341	180	240778	9.16	PPBV		99
108)	NAPHTHALENE	18.389	128	639760	9.31	PPBV		100
110)	TVHC as equiv Pentane	2.312	TIC	555843	10.61	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w10812.D
Acq On : 27 Nov 2024 8:15 pm
Operator : benk
Sample : bsd
Misc : MS87455,v7w394,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 27 21:30:38 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

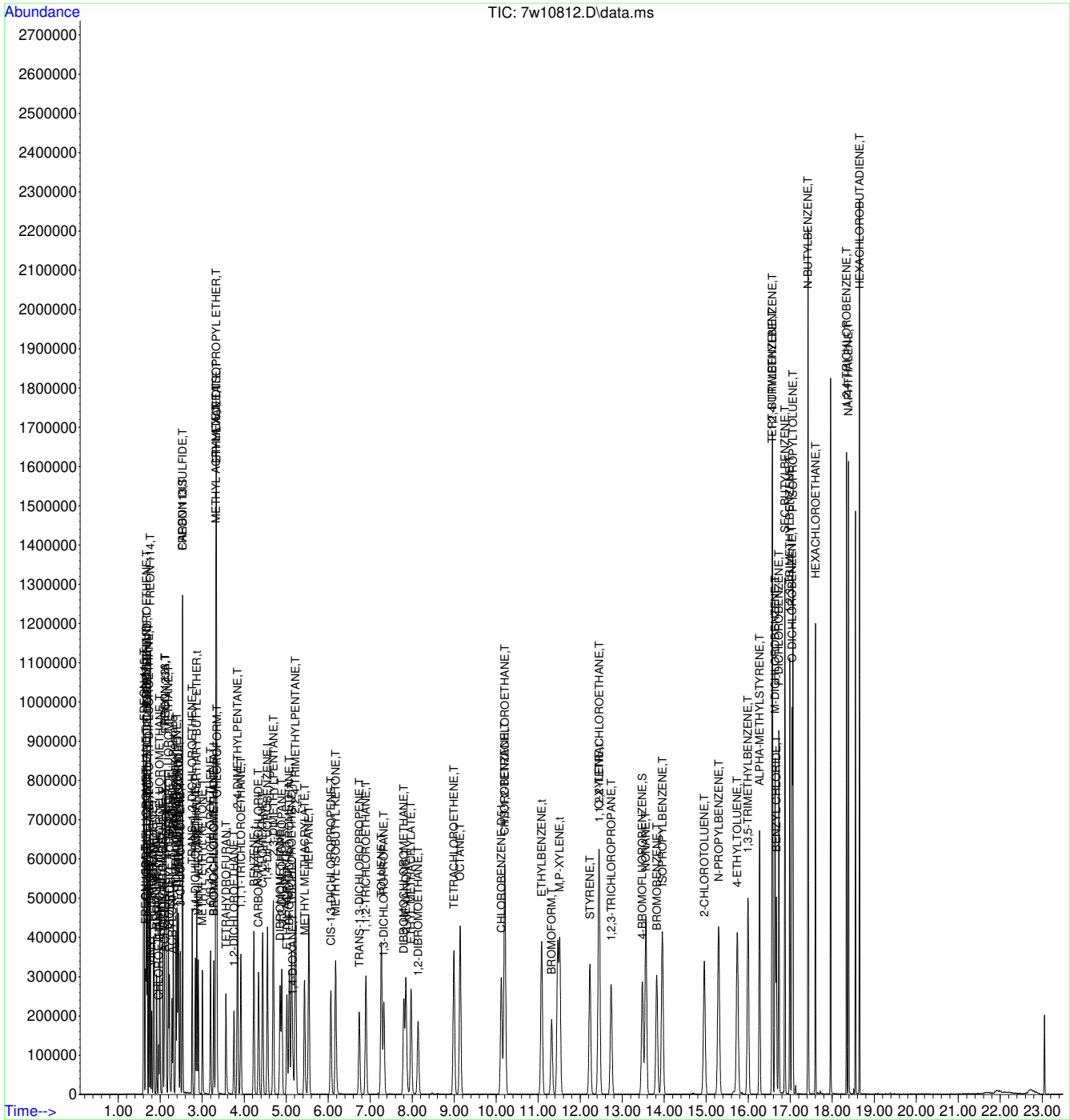
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w10812.D
Acq On : 27 Nov 2024 8:15 pm
Operator : benk
Sample : bsd
Misc : MS87455,v7w394,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 27 21:30:38 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55665.D
Acq On : 16 Dec 2024 2:48 pm
Operator : thomash
Sample : bs
Misc : MS87926,V5W2132,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 16 15:46:38 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.669	128	341152	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.834	114	1550754	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	15.340	82	1025782	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.669	128	341152	10.00	PPBV	#	0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	17.586	95	1127917	9.83	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 98.30%				
Target Compounds							Qvalue
2) FREON 115	3.466	119	580306	12.43	PPBV		87
3) FREON 152A	3.545	65	320366	12.69	PPBV		96
4) CHLORODIFLUOROMETHANE	3.582	67	191839	14.66	PPBV		99
5) CHLOROTRIFLUOROETHENE	3.607	116	593886	10.05	PPBV		95
6) DICHLORODIFLUOROMETHANE	3.656	85	1603255	12.86	PPBV		99
7) PROPYLENE	3.601	41	377442	12.02	PPBV		98
8) 1-CHLORO-1,1-DIFLUOROE...	3.753	65	1576918	12.35	PPBV		97
9) FREON 114	3.845	85	1826484	11.94	PPBV		90
10) CHLOROMETHANE	3.772	52	145306	9.04	PPBV		97
11) VINYL CHLORIDE	3.931	62	593830	10.49	PPBV		99
12) 1,3-BUTADIENE	4.029	54	365230	9.61	PPBV		87
13) n-BUTANE	4.065	43	709202	9.73	PPBV		99
14) BROMOMETHANE	4.231	94	588794	9.87	PPBV		100
15) CHLOROETHANE	4.353	64	268230	10.37	PPBV		98
16) DICHLOROFLUOROMETHANE	4.420	67	1454240	11.37	PPBV		99
17) ACETONITRILE	4.616	41	385156	9.15	PPBV		98
18) ACROLEIN	4.714	56	187042	10.17	PPBV		95
19) FREON 123	4.732	83	1400928	10.88	PPBV		99
20) FREON 123A	4.775	117	711738	10.40	PPBV	#	77
21) TRICHLOROFLUOROMETHANE	4.940	101	1391070	12.07	PPBV		99
22) ISOPROPYL ALCOHOL	5.026	45	853947	11.70	PPBV		98
23) ACETONE	4.818	58	219308	7.97	PPBV		98
24) PENTANE	5.228	42	444082	12.25	PPBV		96
25) IODOMETHANE	5.417	142	1205470	12.54	PPBV		98
26) 1,1-DICHLOROETHYLENE	5.479	96	420428	11.77	PPBV		88
27) CARBON DISULFIDE	5.852	76	1312173	12.70	PPBV		97
28) ETHANOL	4.451	45	235793	8.81	PPBV		99
29) BROMOETHENE	4.616	106	520063	10.23	PPBV		97
30) ACRYLONITRILE	5.197	52	259121	9.07	PPBV		96
31) METHYLENE CHLORIDE	5.589	84	401944	11.23	PPBV		99
32) 3-CHLOROPROPENE	5.693	76	213502	12.94	PPBV		94
33) FREON 113	5.815	151	730374	12.30	PPBV		93
34) TRANS-1,2-DICHLOROETHY...	6.451	96	433959	11.50	PPBV		92
35) TERTIARY BUTYL ALCOHOL	5.540	59	874757	12.74	PPBV		98
36) METHYL TERTIARY BUTYL ...	6.708	73	1337052	13.82	PPBV		98
37) TETRAHYDROFURAN	8.238	72	207730	14.03	PPBV		99
38) HEXANE	7.699	57	644426	12.06	PPBV		89
39) VINYL ACETATE	6.806	86	79218	12.97	PPBV		100
40) 1,1-DICHLOROETHANE	6.647	63	870259	12.41	PPBV		98
41) METHYL ETHYL KETONE	7.051	72	214897	14.52	PPBV		97
42) cis-1,2-DICHLOROETHYLENE	7.491	96	462622	11.82	PPBV		92
43) DIISOPROPYL ETHER	7.712	59	202733	12.49	PPBV		100
44) ETHYL ACETATE	7.742	61	152383	13.96	PPBV	#	98
45) METHYL ACRYLATE	7.730	55	796039	12.25	PPBV		99
46) CHLOROFORM	7.809	83	1106537	12.64	PPBV		99
47) 2,4-DIMETHYLPENTANE	8.660	57	739946	12.66	PPBV		98
48) 1,1,1-TRICHLOROETHANE	8.874	97	1116391	12.55	PPBV		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55665.D
Acq On : 16 Dec 2024 2:48 pm
Operator : thomash
Sample : bs
Misc : MS87926,V5W2132,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 16 15:46:38 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
49)	CARBON TETRACHLORIDE	9.565	117	1132473	12.05	PPBV		100
50)	1,2-DICHLOROETHANE	8.599	62	801045	14.06	PPBV		99
52)	BENZENE	9.394	78	1379509	12.27	PPBV		99
53)	CYCLOHEXANE	9.694	84	545013	12.91	PPBV		98
54)	2,3-DIMETHYLPENTANE	9.994	71	288914	12.67	PPBV		95
55)	TRICHLOROETHYLENE	10.648	95	662802	11.19	PPBV		90
56)	1,2-DICHLOROPROPANE	10.354	63	530631	11.12	PPBV		95
57)	DIBROMOMETHANE	10.330	174	725460	12.51	PPBV		89
58)	ETHYL ACRYLATE	10.410	55	961698	12.78	PPBV		99
59)	BROMODICHLOROMETHANE	10.599	83	1296683	12.53	PPBV		100
60)	2,2,4-TRIMETHYLPENTANE	10.679	57	2040937	11.96	PPBV		99
61)	1,4-DIOXANE	10.666	88	310062	11.85	PPBV	#	90
62)	HEPTANE	11.027	43	757294	12.70	PPBV		97
63)	METHYL METHACRYLATE	10.936	69	515170	13.79	PPBV		98
64)	METHYL ISOBUTYL KETONE	11.786	58	404769	12.74	PPBV		92
65)	cis-1,3-DICHLOROPROPENE	11.725	75	949812	13.11	PPBV		96
66)	TOLUENE	12.954	92	914443	11.63	PPBV		99
67)	1,3-DICHLOROPROPANE	13.003	76	847453	12.25	PPBV	#	99
68)	trans-1,3-DICHLOROPROPENE	12.404	75	878210	13.16	PPBV		98
69)	1,1,2-TRICHLOROETHANE	12.606	83	552789	11.64	PPBV		96
71)	2-HEXANONE	13.352	58	582264	12.03	PPBV		91
72)	ETHYL METHACRYLATE	13.383	69	874856	12.35	PPBV		97
73)	TETRACHLOROETHYLENE	14.459	164	724137	10.81	PPBV		85
74)	DIBROMOCHLOROMETHANE	13.505	129	1097363	10.07	PPBV		100
75)	1,2-DIBROMOETHANE	13.817	107	911071	10.08	PPBV		100
76)	OCTANE	14.325	43	1088115	12.08	PPBV		97
77)	1,1,1,2-TETRACHLOROETHANE	15.389	131	692014	9.20	PPBV		85
78)	CHLOROBENZENE	15.402	112	1197071	9.07	PPBV		91
79)	ETHYLBENZENE	15.952	91	2114091	11.18	PPBV		96
80)	m,p-XYLENE	16.234	106	1440067	20.07	PPBV		89
81)	o-XYLENE	16.900	106	711907	10.22	PPBV		88
82)	STYRENE	16.747	104	1092079	10.93	PPBV		94
83)	NONANE	17.304	43	1125028	11.97	PPBV		99
84)	BROMOFORM	16.283	173	1488858	13.36	PPBV		98
86)	1,1,2,2-TETRACHLOROETHANE	16.900	83	1490313	10.64	PPBV		100
87)	1,2,3-TRICHLOROPROPANE	17.096	75	1074166	10.63	PPBV		92
88)	ISOPROPYLBENZENE	17.812	105	2085393	9.68	PPBV		96
89)	BROMOBENZENE	17.904	77	1255606	10.31	PPBV		95
90)	2-CHLOROTOLUENE	18.546	126	495328	9.17	PPBV		99
91)	n-PROPYLBENZENE	18.632	120	534380	9.78	PPBV		99
92)	4-ETHYLTOLUENE	18.876	105	2103019	10.57	PPBV		99
93)	1,3,5-TRIMETHYLBENZENE	19.005	105	1773968	10.43	PPBV		97
94)	ALPHA-METHYLSTYRENE	19.250	118	834872	9.10	PPBV		97
95)	tert-BUTYLBENZENE	19.611	134	355440	9.58	PPBV		94
96)	1,2,4-TRIMETHYLBENZENE	19.623	105	1917561	10.75	PPBV		98
97)	m-DICHLOROBENZENE	19.812	146	1354118	9.64	PPBV		99
98)	BENZYL CHLORIDE	19.806	91	2007420	10.49	PPBV		95
99)	p-DICHLOROBENZENE	19.923	146	1326658	10.12	PPBV		99
100)	sec-BUTYLBENZENE	20.014	134	422729	9.55	PPBV	#	87
101)	1,2,3-TRIMETHYLBENZENE	20.235	105	1886161	10.41	PPBV	#	97
102)	p-ISOPROPYLTOLUENE	20.259	134	491728	9.45	PPBV		94
103)	o-DICHLOROBENZENE	20.400	146	1233415	9.67	PPBV		98
104)	n-BUTYLBENZENE	20.852	134	474883	9.92	PPBV	#	71
105)	HEXACHLOROETHANE	21.317	117	962829	10.79	PPBV	#	80
106)	HEXACHLOROBUTADIENE	23.361	225	1840228	15.34	PPBV		100
107)	1,2,4-TRICHLOROBENZENE	23.214	180	1342041	11.81	PPBV		95
108)	NAPHTHALENE	22.877	128	2306330	9.25	PPBV		100
110)	TVHC as equiv Pentane	5.228	TIC	2904603	10.88	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55665.D
Acq On : 16 Dec 2024 2:48 pm
Operator : thomash
Sample : bs
Misc : MS87926,V5W2132,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 16 15:46:38 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

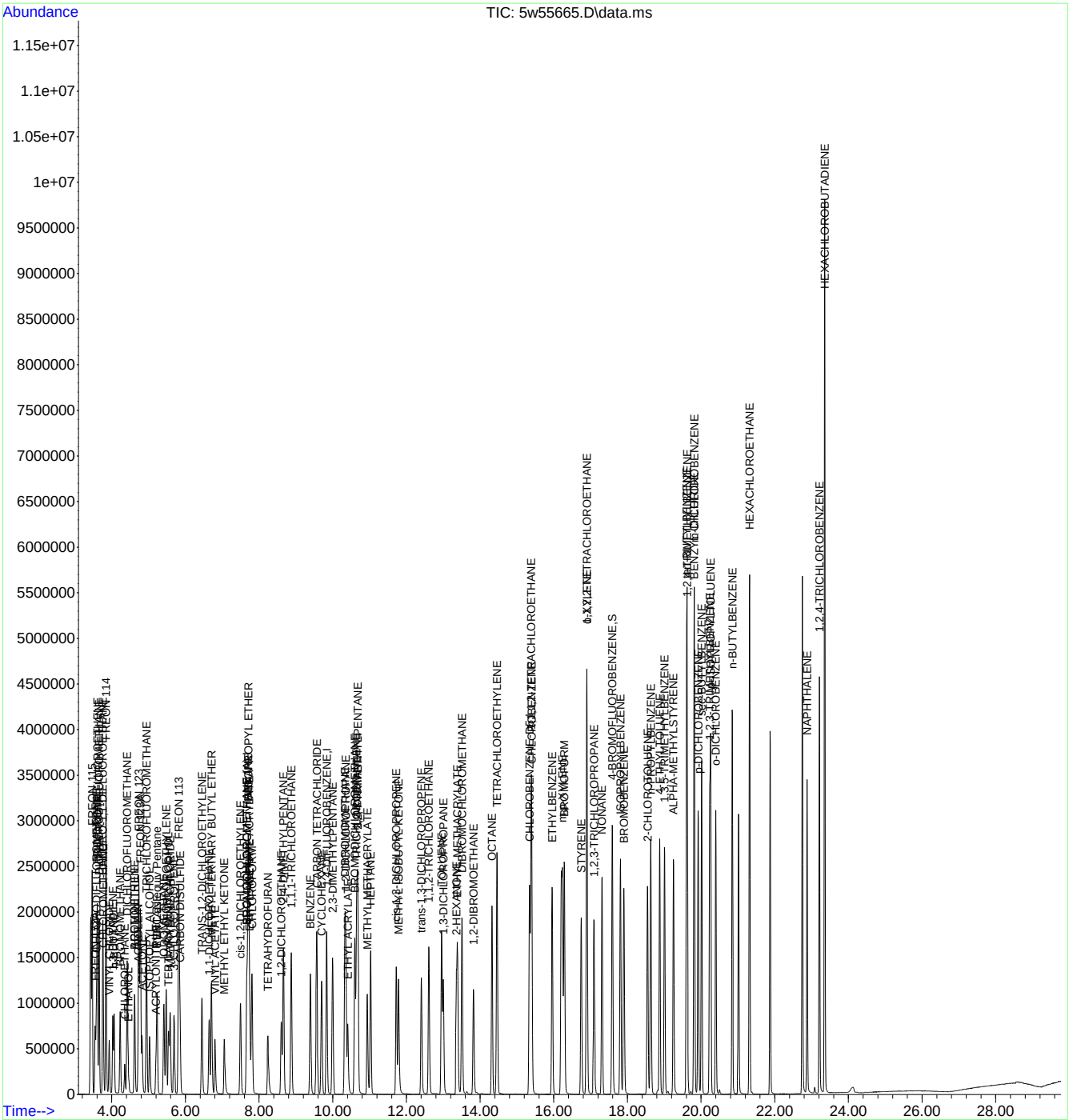
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55665.D
Acq On : 16 Dec 2024 2:48 pm
Operator : thomash
Sample : bs
Misc : MS87926,V5W2132,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 16 15:46:38 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55666.D
Acq On : 16 Dec 2024 3:29 pm
Operator : thomash
Sample : bsd
Misc : MS87926,V5W2132,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 16 17:14:09 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.669	128	328331	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.835	114	1518453	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	15.347	82	1014713	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.669	128	328331	10.00	PPBV	#	0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	17.592	95	1136727	10.01	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 100.10%				
Target Compounds							Qvalue
2) FREON 115	3.466	119	555178	12.35	PPBV		85
3) FREON 152A	3.546	65	298262	12.28	PPBV		97
4) CHLORODIFLUOROMETHANE	3.576	67	179176	14.23	PPBV		99
5) CHLOROTRIFLUOROETHENE	3.607	116	562630	9.90	PPBV		95
6) DICHLORODIFLUOROMETHANE	3.656	85	1498087	12.49	PPBV		99
7) PROPYLENE	3.601	41	352363	11.66	PPBV		97
8) 1-CHLORO-1,1-DIFLUOROE...	3.754	65	1517988	12.35	PPBV		97
9) FREON 114	3.846	85	1749402	11.89	PPBV		90
10) CHLOROMETHANE	3.772	52	143129	9.25	PPBV		95
11) VINYL CHLORIDE	3.931	62	571565	10.49	PPBV		99
12) 1,3-BUTADIENE	4.029	54	353505	9.67	PPBV		88
13) n-BUTANE	4.066	43	695207	9.91	PPBV		99
14) BROMOMETHANE	4.231	94	565818	9.86	PPBV		100
15) CHLOROETHANE	4.353	64	261540	10.50	PPBV		98
16) DICHLOROFLUOROMETHANE	4.421	67	1394933	11.33	PPBV		100
17) ACETONITRILE	4.616	41	377335	9.31	PPBV		99
18) ACROLEIN	4.714	56	180626	10.21	PPBV		96
19) FREON 123	4.733	83	1362523	11.00	PPBV		99
20) FREON 123A	4.775	117	678102	10.30	PPBV	#	74
21) TRICHLOROFLUOROMETHANE	4.947	101	1309631	11.81	PPBV		100
22) ISOPROPYL ALCOHOL	5.026	45	825912	11.76	PPBV		97
23) ACETONE	4.824	58	208886	7.89	PPBV		95
24) PENTANE	5.234	42	434002	12.44	PPBV		97
25) IODOMETHANE	5.418	142	1171331	12.66	PPBV		98
26) 1,1-DICHLOROETHYLENE	5.485	96	413959	12.05	PPBV		89
27) CARBON DISULFIDE	5.852	76	1276726	12.84	PPBV		97
28) ETHANOL	4.451	45	235434	9.14	PPBV		98
29) BROMOETHENE	4.616	106	500800	10.24	PPBV		96
30) ACRYLONITRILE	5.204	52	255687	9.29	PPBV		98
31) METHYLENE CHLORIDE	5.589	84	393250	11.42	PPBV		100
32) 3-CHLOROPROPENE	5.693	76	210802	13.28	PPBV		95
33) FREON 113	5.822	151	709168	12.41	PPBV		94
34) TRANS-1,2-DICHLOROETHY...	6.452	96	421988	11.62	PPBV		92
35) TERTIARY BUTYL ALCOHOL	5.546	59	850202	12.86	PPBV		97
36) METHYL TERTIARY BUTYL ...	6.709	73	1311374	14.09	PPBV		98
37) TETRAHYDROFURAN	8.238	72	206222	14.47	PPBV		99
38) HEXANE	7.700	57	635159	12.35	PPBV		89
39) VINYL ACETATE	6.806	86	76616	13.03	PPBV		97
40) 1,1-DICHLOROETHANE	6.647	63	853260	12.64	PPBV		99
41) METHYL ETHYL KETONE	7.051	72	213129	14.96	PPBV		97
42) cis-1,2-DICHLOROETHYLENE	7.498	96	452352	12.00	PPBV		92
43) DIISOPROPYL ETHER	7.712	59	201877	12.92	PPBV		98
44) ETHYL ACETATE	7.749	61	150172	14.29	PPBV	#	98
45) METHYL ACRYLATE	7.730	55	780033	12.47	PPBV		98
46) CHLOROFORM	7.810	83	1100436	13.06	PPBV		98
47) 2,4-DIMETHYLPENTANE	8.660	57	729392	12.96	PPBV		98
48) 1,1,1-TRICHLOROETHANE	8.874	97	1109698	12.97	PPBV		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55666.D
Acq On : 16 Dec 2024 3:29 pm
Operator : thomash
Sample : bsd
Misc : MS87926,V5W2132,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 16 17:14:09 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
49)	CARBON TETRACHLORIDE	9.566	117	1119558	12.38	PPBV		100
50)	1,2-DICHLOROETHANE	8.605	62	794532	14.49	PPBV		99
52)	BENZENE	9.394	78	1366132	12.41	PPBV		99
53)	CYCLOHEXANE	9.700	84	537723	13.01	PPBV		98
54)	2,3-DIMETHYLPENTANE	10.000	71	292100	13.09	PPBV		95
55)	TRICHLOROETHYLENE	10.648	95	655950	11.31	PPBV		90
56)	1,2-DICHLOROPROPANE	10.355	63	529733	11.34	PPBV		95
57)	DIBROMOMETHANE	10.336	174	706390	12.44	PPBV		90
58)	ETHYL ACRYLATE	10.410	55	966237	13.11	PPBV		99
59)	BROMODICHLOROMETHANE	10.606	83	1285318	12.69	PPBV		100
60)	2,2,4-TRIMETHYLPENTANE	10.685	57	2031240	12.15	PPBV		99
61)	1,4-DIOXANE	10.667	88	307176	11.98	PPBV	#	76
62)	HEPTANE	11.028	43	762656	13.06	PPBV		97
63)	METHYL METHACRYLATE	10.936	69	507798	13.88	PPBV		97
64)	METHYL ISOBUTYL KETONE	11.786	58	408240	13.13	PPBV		92
65)	cis-1,3-DICHLOROPROPENE	11.731	75	947874	13.36	PPBV		94
66)	TOLUENE	12.961	92	909579	11.82	PPBV		98
67)	1,3-DICHLOROPROPANE	13.004	76	854641	12.62	PPBV	#	99
68)	trans-1,3-DICHLOROPROPENE	12.404	75	869187	13.31	PPBV		97
69)	1,1,2-TRICHLOROETHANE	12.612	83	548990	11.81	PPBV		97
71)	2-HEXANONE	13.359	58	585868	12.24	PPBV		92
72)	ETHYL METHACRYLATE	13.389	69	887314	12.66	PPBV		98
73)	TETRACHLOROETHYLENE	14.466	164	720325	10.87	PPBV		85
74)	DIBROMOCHLOROMETHANE	13.511	129	1101331	10.22	PPBV		99
75)	1,2-DIBROMOETHANE	13.823	107	916866	10.26	PPBV		100
76)	OCTANE	14.325	43	1085591	12.18	PPBV		97
77)	1,1,1,2-TETRACHLOROETHANE	15.390	131	686934	9.23	PPBV		85
78)	CHLOROBENZENE	15.402	112	1196746	9.16	PPBV		91
79)	ETHYLBENZENE	15.959	91	2119009	11.33	PPBV		96
80)	m,p-XYLENE	16.234	106	1448698	20.41	PPBV		88
81)	o-XYLENE	16.901	106	717058	10.41	PPBV		87
82)	STYRENE	16.748	104	1110118	11.23	PPBV		94
83)	NONANE	17.311	43	1144866	12.31	PPBV		100
84)	BROMOFORM	16.289	173	1493118	13.54	PPBV		98
86)	1,1,2,2-TETRACHLOROETHANE	16.901	83	1515358	10.94	PPBV		99
87)	1,2,3-TRICHLOROPROPANE	17.096	75	1079973	10.80	PPBV		92
88)	ISOPROPYLBENZENE	17.812	105	2094103	9.82	PPBV		96
89)	BROMOBENZENE	17.904	77	1265597	10.51	PPBV		95
90)	2-CHLOROTOLUENE	18.546	126	493203	9.23	PPBV		100
91)	n-PROPYLBENZENE	18.632	120	535093	9.90	PPBV		98
92)	4-ETHYLTOLUENE	18.877	105	2144969	10.90	PPBV		97
93)	1,3,5-TRIMETHYLBENZENE	19.011	105	1796773	10.68	PPBV		96
94)	ALPHA-METHYLSTYRENE	19.256	118	838767	9.24	PPBV		98
95)	tert-BUTYLBENZENE	19.611	134	358973	9.78	PPBV		95
96)	1,2,4-TRIMETHYLBENZENE	19.623	105	1957876	11.10	PPBV		97
97)	m-DICHLOROBENZENE	19.813	146	1368807	9.85	PPBV		99
98)	BENZYL CHLORIDE	19.807	91	2032236	10.73	PPBV		96
99)	p-DICHLOROBENZENE	19.923	146	1325705	10.22	PPBV		99
100)	sec-BUTYLBENZENE	20.015	134	428188	9.77	PPBV	#	86
101)	1,2,3-TRIMETHYLBENZENE	20.235	105	1891681	10.56	PPBV	#	97
102)	p-ISOPROPYLTOLUENE	20.259	134	497775	9.67	PPBV		93
103)	o-DICHLOROBENZENE	20.400	146	1241771	9.85	PPBV		99
104)	n-BUTYLBENZENE	20.853	134	477396	10.08	PPBV	#	68
105)	HEXACHLOROETHANE	21.312	117	982618	11.13	PPBV	#	80
106)	HEXACHLOROBUTADIENE	23.251	225	2014121	16.97	PPBV		100
107)	1,2,4-TRICHLOROBENZENE	23.116	180	1459847	12.99	PPBV		95
108)	NAPHTHALENE	22.798	128	2414020	9.79	PPBV		100
110)	TVHC as equiv Pentane	5.228	TIC	2817019	10.96	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55666.D
Acq On : 16 Dec 2024 3:29 pm
Operator : thomash
Sample : bsd
Misc : MS87926,V5W2132,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 16 17:14:09 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

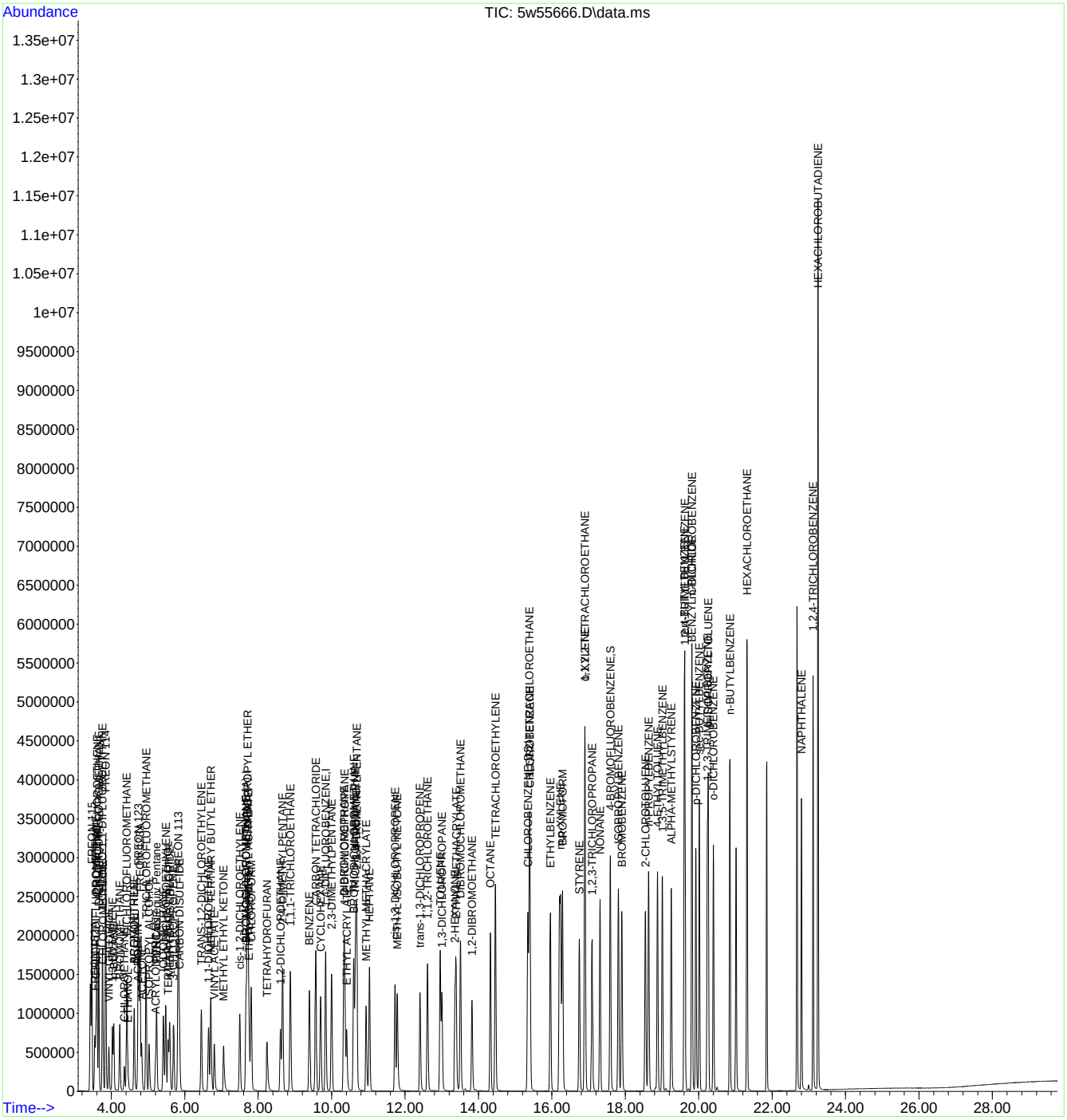
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55666.D
Acq On : 16 Dec 2024 3:29 pm
Operator : thomash
Sample : bsd
Misc : MS87926,V5W2132,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 16 17:14:09 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 12/20/24 20:19

Quantitation Report (QT Reviewed)

Data Path : G:\Dayton\MSAIR\Done\2024\December\18 Dec 2024\V5W2133\
Data File : 5w55717.D
Acq On : 18 Dec 2024 9:29 am
Operator : thomash
Sample : je2488-2dup
Misc : MS88104,V5W2133,500,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 20 20:13:18 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

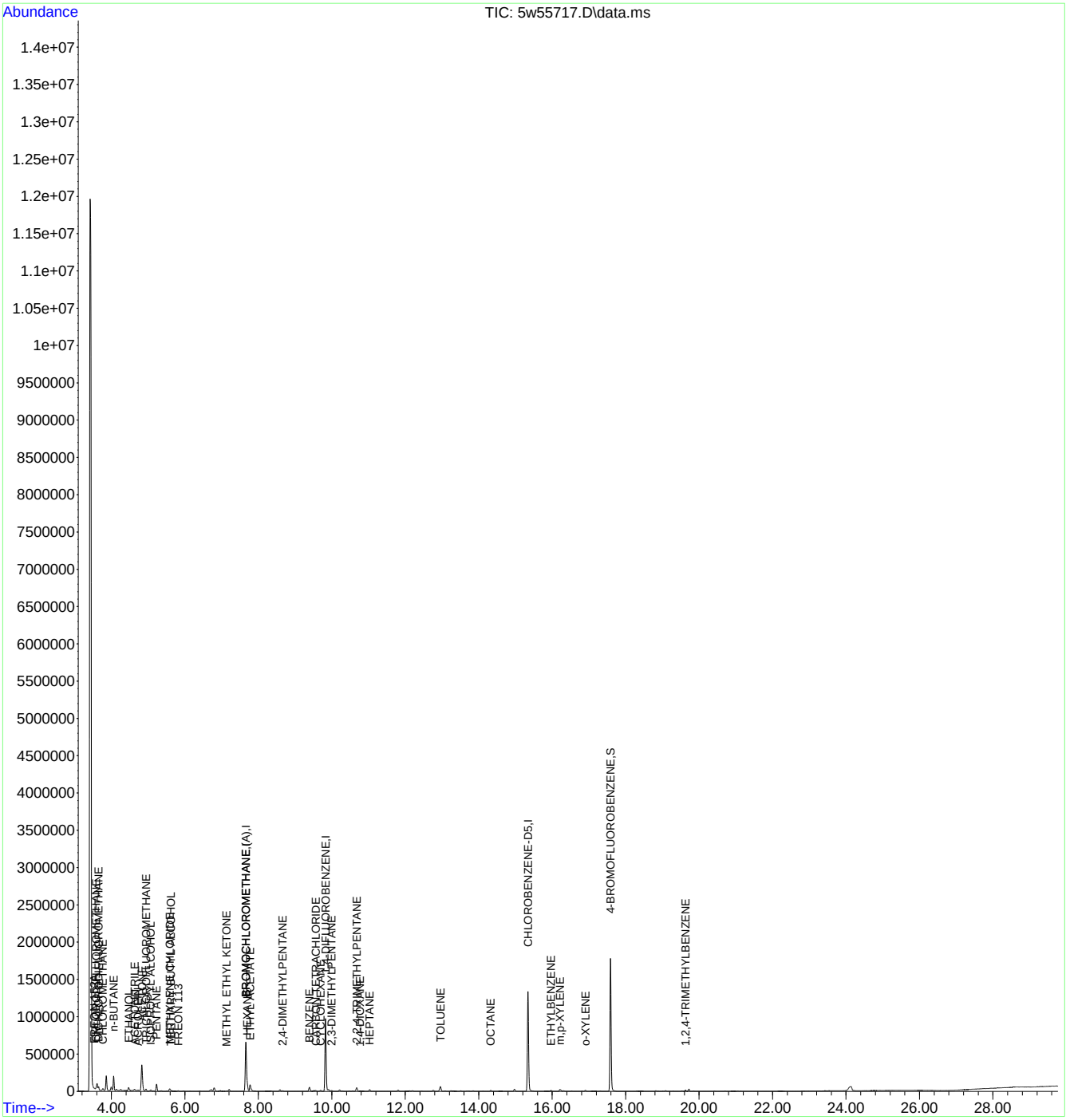
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	7.663	128	156769	10.00	PPBV	0.00
51) 1,4-DIFLUOROBENZENE	9.829	114	796945	10.00	PPBV	0.00
70) CHLOROBENZENE-D5	15.341	82	502343	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	7.663	128	156769	10.00	PPBV	0.00
System Monitoring Compounds						
85) 4-BROMOFLUOROBENZENE	17.586	95	595808	10.60	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 106.00%			
Target Compounds						Qvalue
3) FREON 152A	3.540	65	3081	0.27	PPBV #	12
4) CHLORODIFLUOROMETHANE	3.576	67	2376	0.40	PPBV	81
6) DICHLORODIFLUOROMETHANE	3.650	85	41107	0.72	PPBV	98
10) CHLOROMETHANE	3.766	52	7350	0.99	PPBV	86
13) n-BUTANE	4.060	43	164897	4.92	PPBV	96
17) ACETONITRILE	4.629	41	23651	1.22	PPBV	94
18) ACROLEIN	4.720	56	6082	0.72	PPBV	89
21) TRICHLOROFLUOROMETHANE	4.941	101	21099	0.40	PPBV	95
22) ISOPROPYL ALCOHOL	5.075	45	20961	0.62	PPBV	87
23) ACETONE	4.837	58	90583	7.16	PPBV	98
24) PENTANE	5.228	42	42490	2.55	PPBV	97
28) ETHANOL	4.470	45	51672	4.20	PPBV	96
31) METHYLENE CHLORIDE	5.589	84	13242	0.81	PPBV	84
33) FREON 113	5.815	151	2590	0.09	PPBV	88
35) TERTIARY BUTYL ALCOHOL	5.626	59	3127	0.10	PPBV #	1
38) HEXANE	7.700	57	29755	1.21	PPBV	88
41) METHYL ETHYL KETONE	7.131	72	1558m	0.23	PPBV	
44) ETHYL ACETATE	7.773	61	16258	3.24	PPBV #	72
47) 2,4-DIMETHYLPENTANE	8.660	57	2940	0.11	PPBV	78
49) CARBON TETRACHLORIDE	9.559	117	3996	0.09	PPBV	92
52) BENZENE	9.394	78	55338	0.96	PPBV	98
53) CYCLOHEXANE	9.694	84	4104	0.19	PPBV #	70
54) 2,3-DIMETHYLPENTANE	9.994	71	1495	0.13	PPBV #	63
60) 2,2,4-TRIMETHYLPENTANE	10.679	57	40594	0.46	PPBV	82
61) 1,4-DIOXANE	10.765	88	2063	0.15	PPBV #	1
62) HEPTANE	11.028	43	10550	0.34	PPBV	87
66) TOLUENE	12.961	92	30255	0.75	PPBV	95
76) OCTANE	14.325	43	6737	0.15	PPBV	72
79) ETHYLBENZENE	15.965	91	11469	0.12	PPBV	94
80) m,p-XYLENE	16.215	106	11351	0.32	PPBV	94
81) o-XYLENE	16.901	106	4250	0.12	PPBV #	78
96) 1,2,4-TRIMETHYLBENZENE	19.629	105	8380	0.10	PPBV #	37

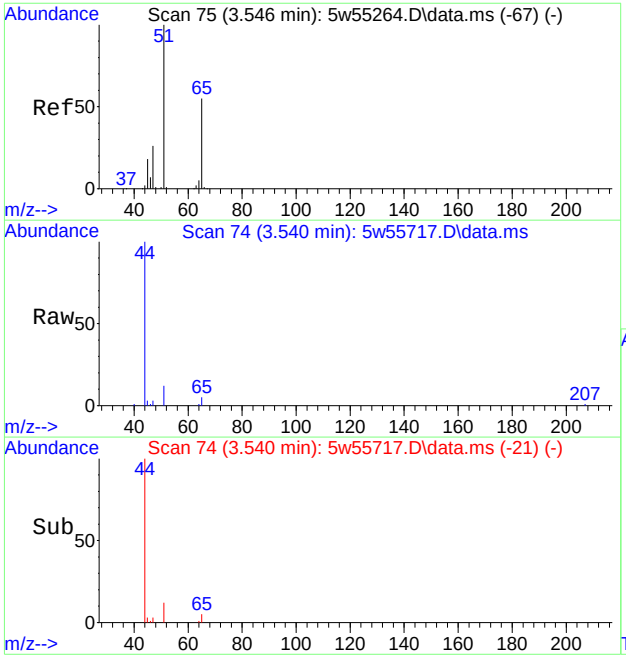
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : G:\Dayton\MSAIR\Done\2024\December\18 Dec 2024\V5W2133\
Data File : 5w55717.D
Acq On : 18 Dec 2024 9:29 am
Operator : thomash
Sample : je2488-2dup
Misc : MS88104,V5W2133,500,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 20 20:13:18 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

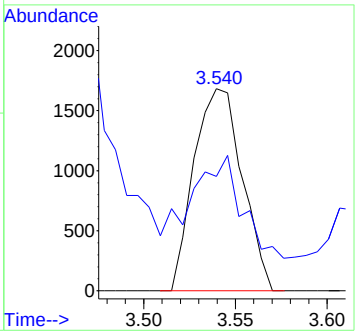


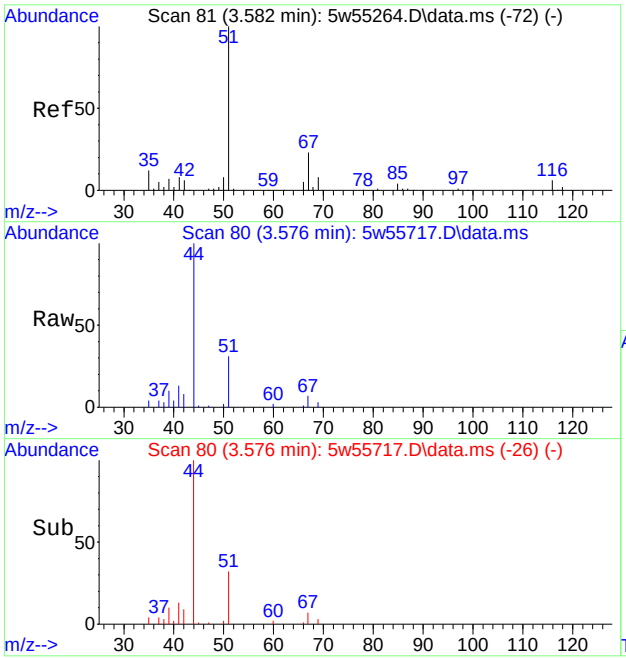


#3
FREON 152A
Concen: 0.27 PPBV
RT: 3.540 min Scan# 74
Delta R.T. -0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 65 Resp: 3081

Ion	Ratio	Lower	Upper
65	100		
45	80.6	1.8	61.8#

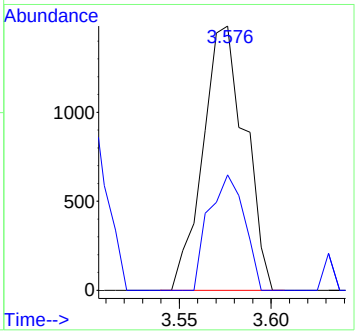


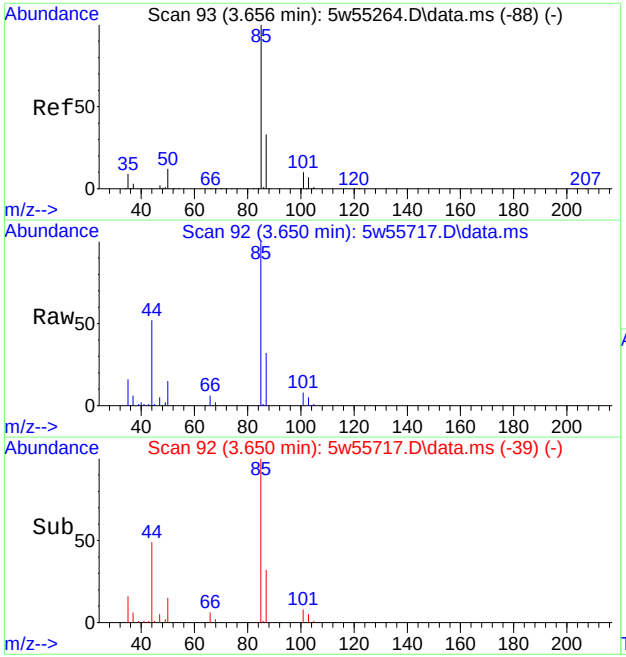


#4
CHLORODIFLUOROMETHANE
Concen: 0.40 PPBV
RT: 3.576 min Scan# 80
Delta R.T. 0.000 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 67 Resp: 2376

Ion	Ratio	Lower	Upper
67	100		
69	43.7	2.9	62.9

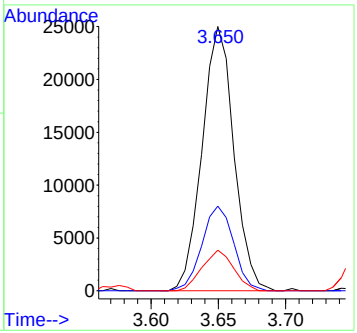


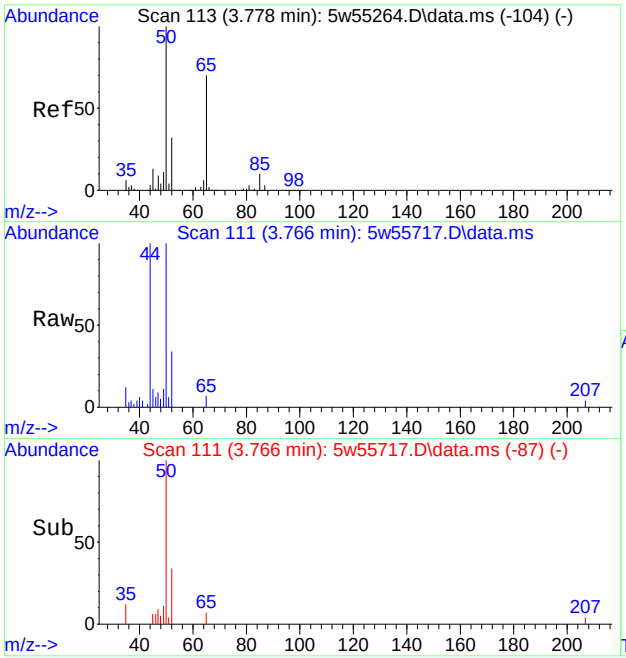


#6
DICHLORODIFLUOROMETHANE
Concen: 0.72 PPBV
RT: 3.650 min Scan# 92
Delta R.T. -0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 85 Resp: 41107

Ion	Ratio	Lower	Upper
85	100		
87	31.9	2.6	62.6
50	15.2	0.0	43.0

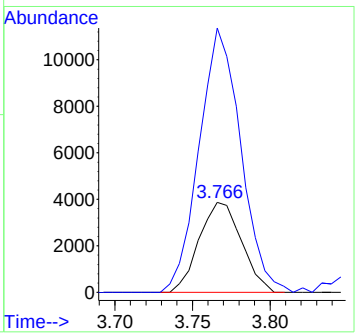


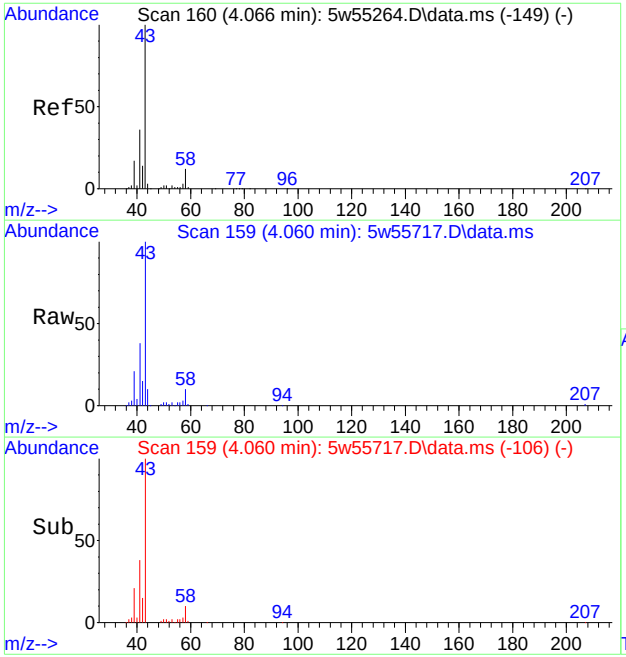


#10
CHLOROMETHANE
Concen: 0.99 PPBV
RT: 3.766 min Scan# 111
Delta R.T. -0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 52 Resp: 7350

Ion	Ratio	Lower	Upper
52	100		
50	290.3	287.9	347.9

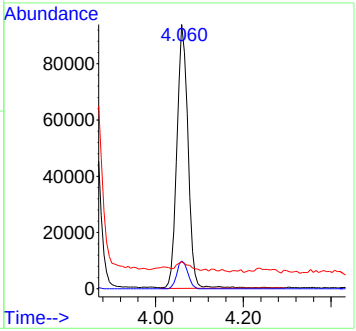


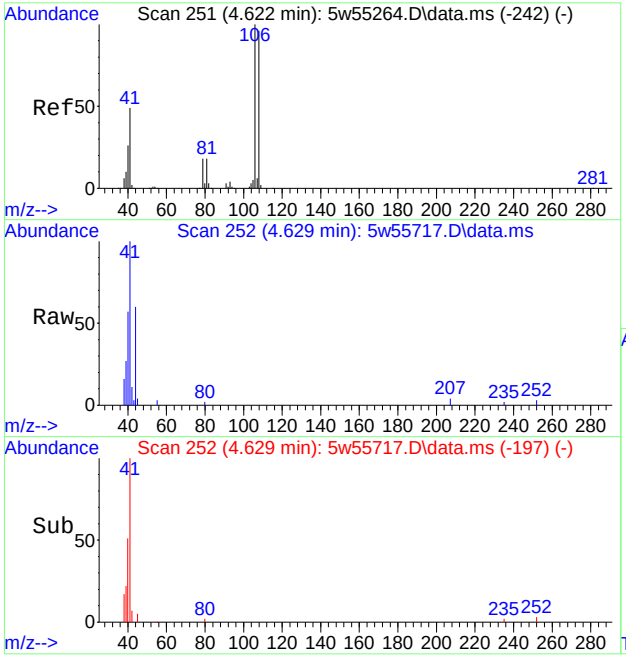


#13
n-BUTANE
Concen: 4.92 PPBV
RT: 4.060 min Scan# 159
Delta R.T. -0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 43 Resp: 164897

Ion	Ratio	Lower	Upper
43	100		
58	10.4	0.0	41.6
44	6.2	0.0	34.7

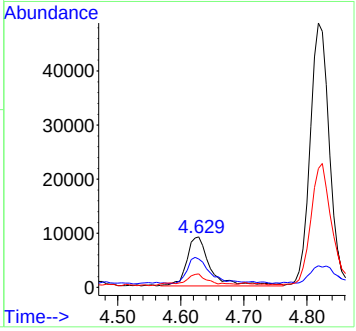


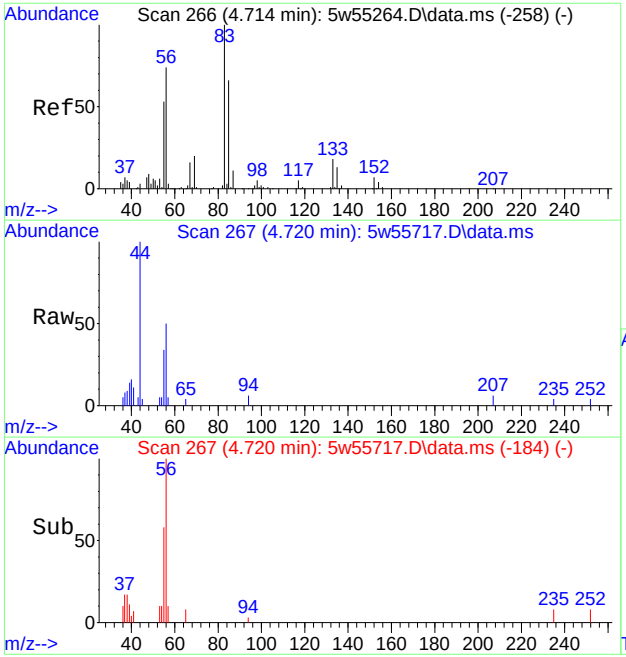


#17
ACETONITRILE
Concen: 1.22 PPBV
RT: 4.629 min Scan# 252
Delta R.T. 0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 41 Resp: 23651

Ion	Ratio	Lower	Upper
41	100		
40	57.5	38.4	71.4
39	25.2	13.7	25.5

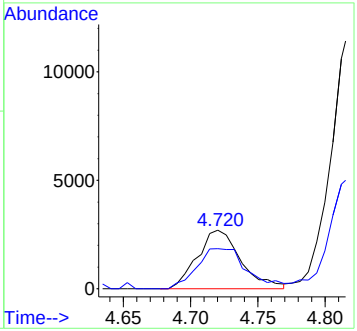


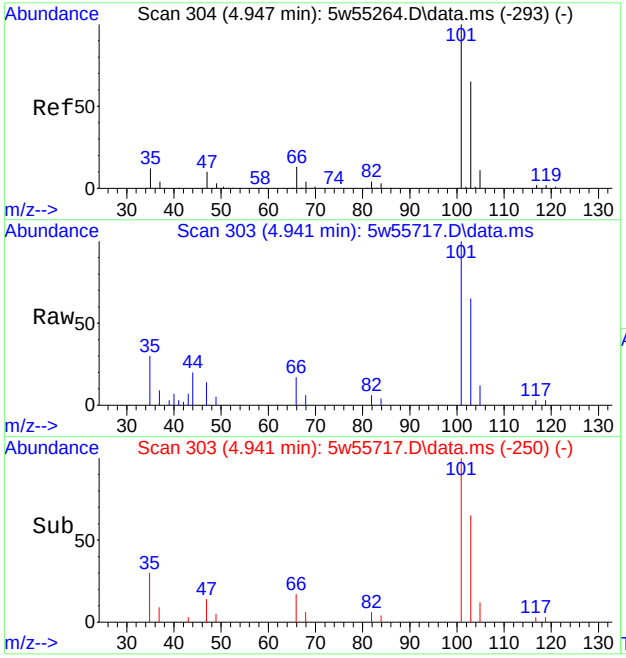


#18
ACROLEIN
Concen: 0.72 PPBV
RT: 4.720 min Scan# 267
Delta R.T. 0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 56 Resp: 6082

Ion	Ratio	Lower	Upper
56	100		
55	80.5	49.8	92.6

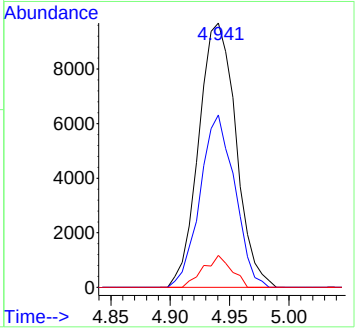


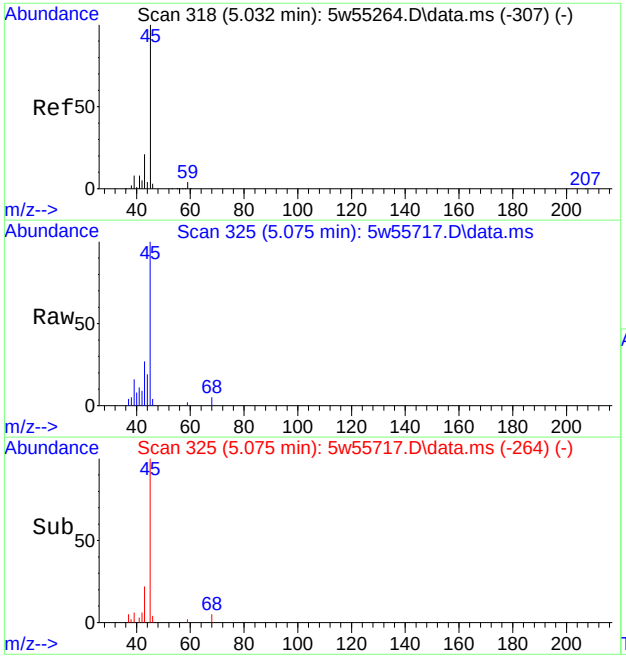


#21
TRICHLOROFLUOROMETHANE
Concen: 0.40 PPBV
RT: 4.941 min Scan# 303
Delta R.T. -0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion:101 Resp: 21099

Ion	Ratio	Lower	Upper
101	100		
103	60.7	34.7	94.7
105	9.1	0.0	40.5

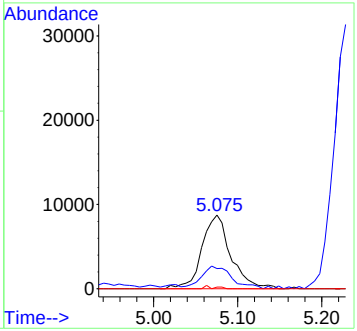


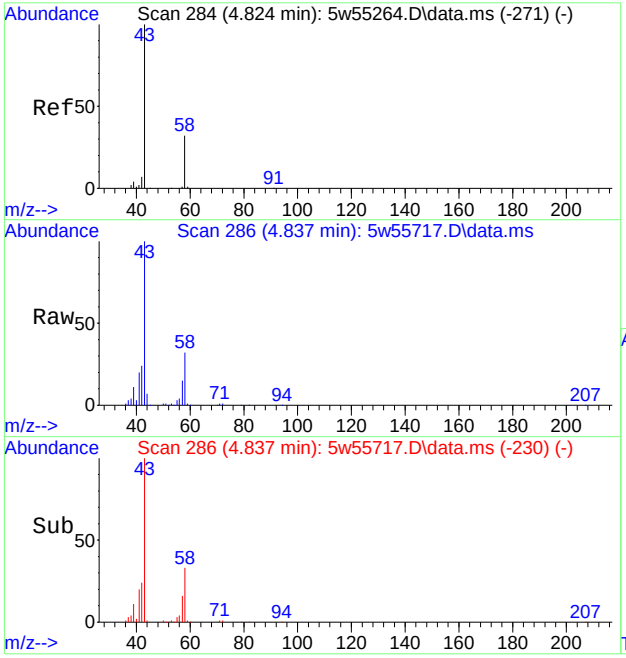


#22
ISOPROPYL ALCOHOL
Concen: 0.62 PPBV
RT: 5.075 min Scan# 325
Delta R.T. 0.043 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 45 Resp: 20961

Ion	Ratio	Lower	Upper
45	100		
43	27.4	0.0	50.8
59	2.3	0.0	33.8

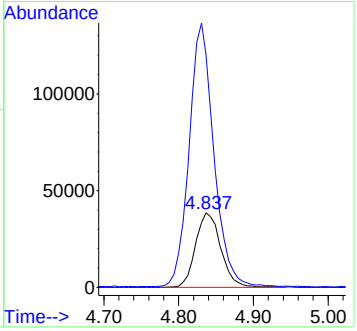


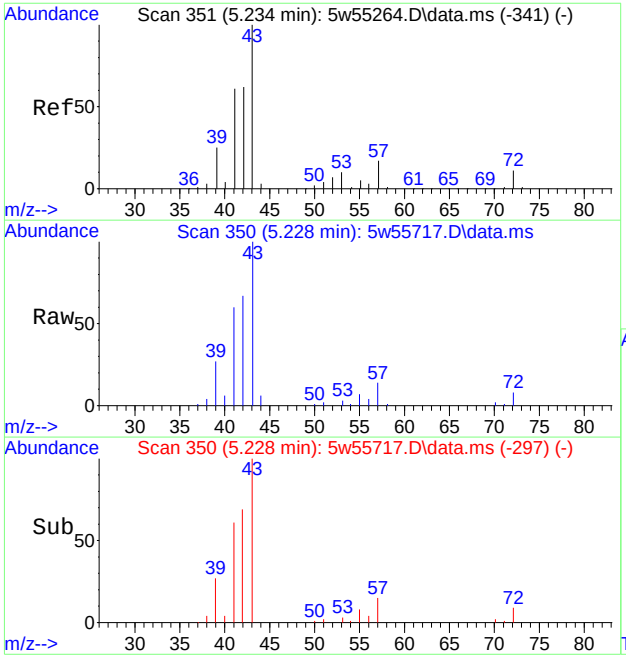


#23
ACETONE
Concen: 7.16 PPBV
RT: 4.837 min Scan# 286
Delta R.T. 0.012 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 58 Resp: 90583

Ion	Ratio	Lower	Upper
58	100		
43	346.9	312.3	372.3

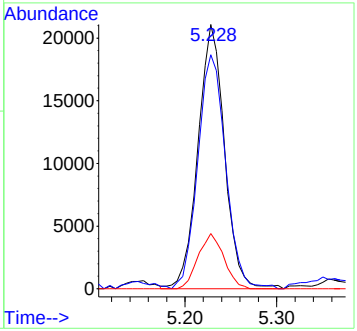


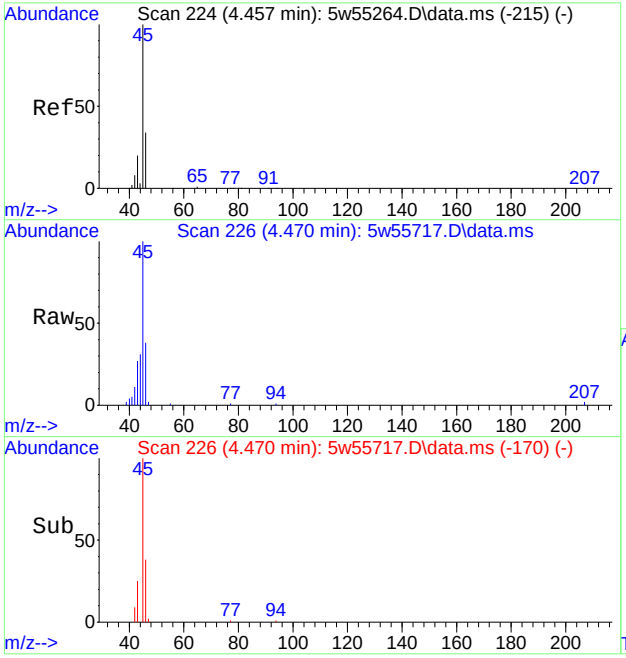


#24
PENTANE
Concen: 2.55 PPBV
RT: 5.228 min Scan# 350
Delta R.T. -0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 42 Resp: 42490

Ion	Ratio	Lower	Upper
42	100		
41	92.6	64.4	124.4
57	20.3	0.0	55.0

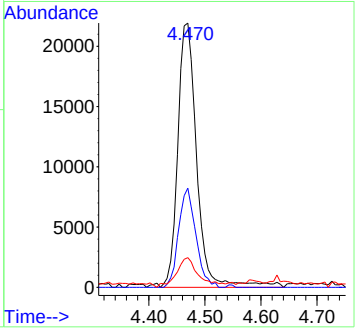


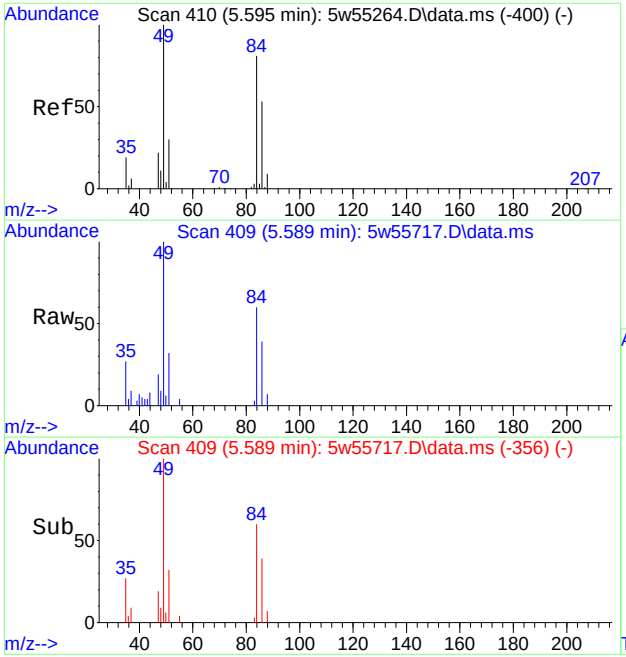


#28
ETHANOL
Concen: 4.20 PPBV
RT: 4.470 min Scan# 226
Delta R.T. 0.012 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 45 Resp: 51672

Ion	Ratio	Lower	Upper
45	100		
46	34.1	4.5	64.5
42	14.5	0.0	38.6

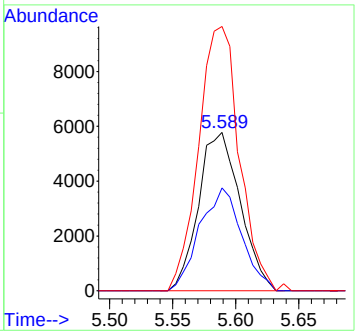


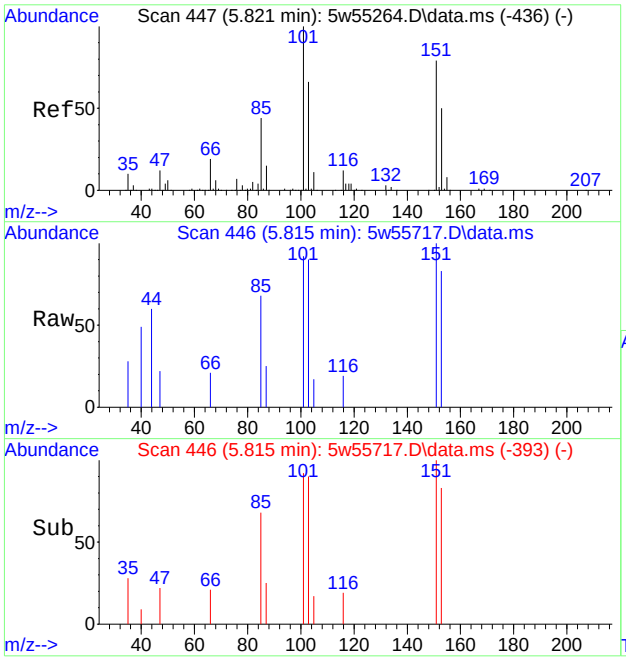


#31
METHYLENE CHLORIDE
Concen: 0.81 PPBV
RT: 5.589 min Scan# 409
Delta R.T. -0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 84 Resp: 13242

Ion	Ratio	Lower	Upper
84	100		
86	65.5	34.0	94.0
49	163.4	105.8	165.8

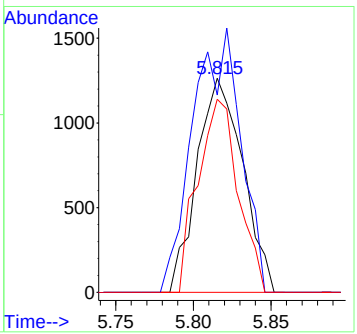


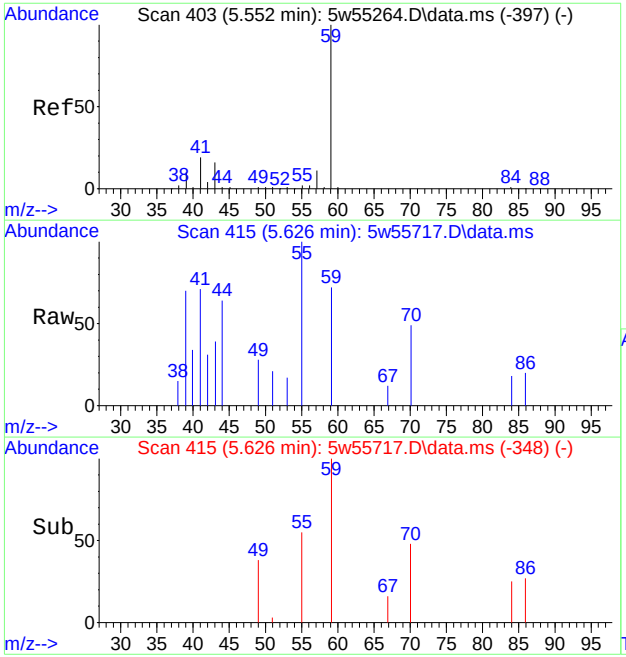


#33
FREON 113
Concen: 0.09 PPBV
RT: 5.815 min Scan# 446
Delta R.T. -0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion:151 Resp: 2590

Ion	Ratio	Lower	Upper
151	100		
101	128.7	112.2	172.2
103	79.4	62.0	122.0

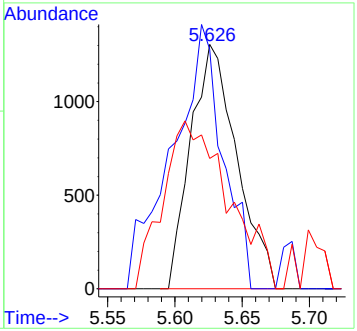


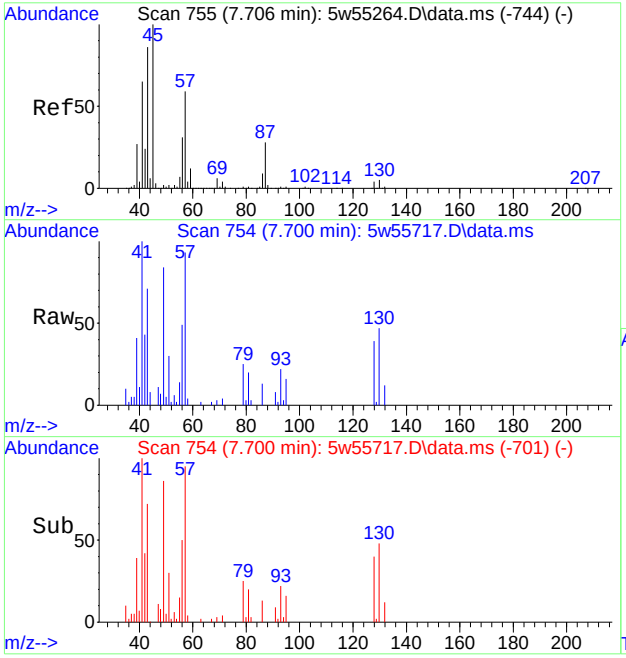


#35
TERTIARY BUTYL ALCOHOL
Concen: 0.10 PPBV
RT: 5.626 min Scan# 415
Delta R.T. 0.080 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 59 Resp: 3127

Ion	Ratio	Lower	Upper
59	100		
41	118.1	0.0	53.1#
43	98.1	0.0	47.1#

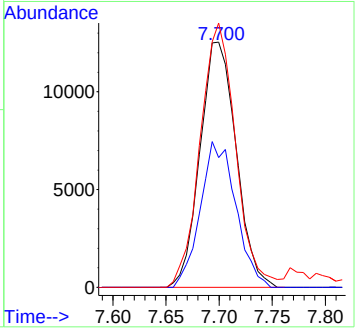


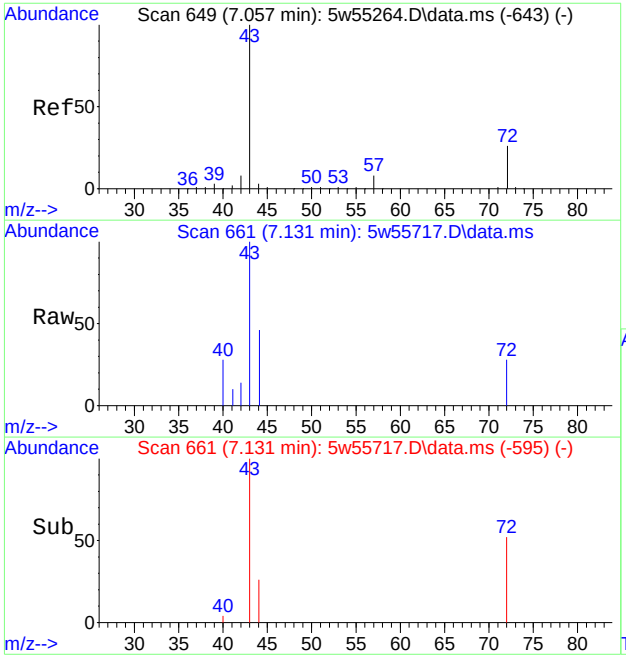


#38
HEXANE
Concen: 1.21 PPBV
RT: 7.700 min Scan# 754
Delta R.T. -0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 57 Resp: 29755

Ion	Ratio	Lower	Upper
57	100		
56	58.1	24.2	84.2
41	105.3	92.1	152.1

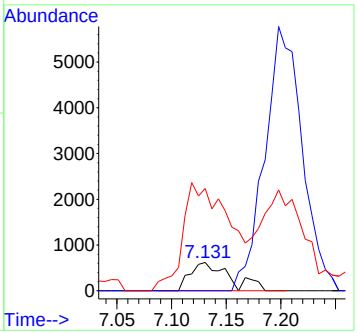


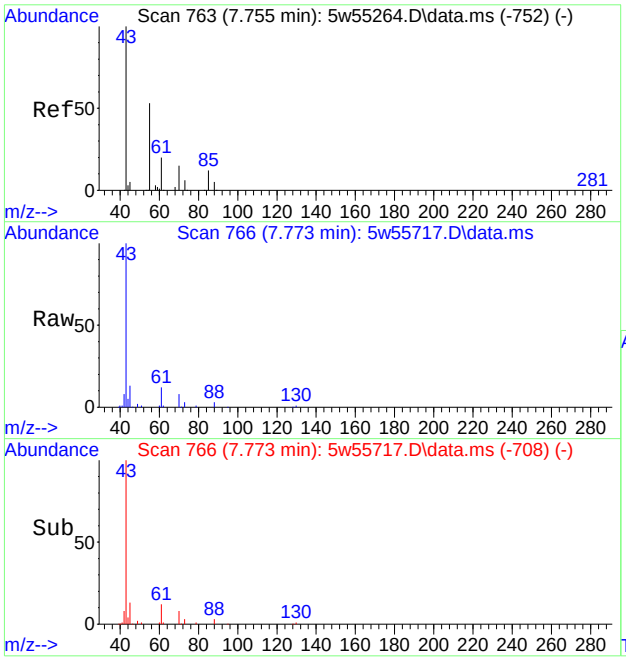


#41
METHYL ETHYL KETONE
Concen: 0.23 PPBV m
RT: 7.131 min Scan# 661
Delta R.T. 0.073 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 72 Resp: 1558

Ion	Ratio	Lower	Upper
72	100		
57	0.0	1.1	61.1#
43	361.9	390.6	450.6#

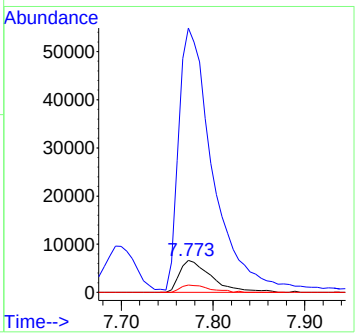


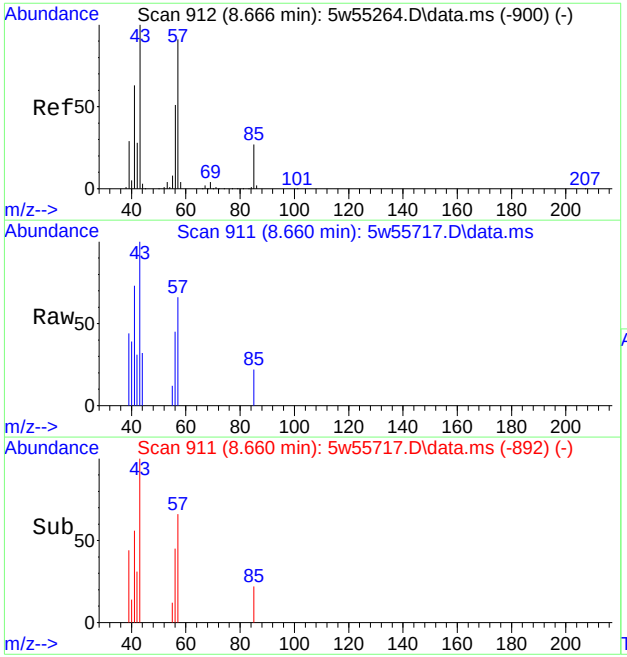


#44
ETHYL ACETATE
Concen: 3.24 PPBV
RT: 7.773 min Scan# 766
Delta R.T. 0.024 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 61 Resp: 16258

Ion	Ratio	Lower	Upper
61	100		
43	898.0	0.0	30.0#
88	20.8	7.3	67.3

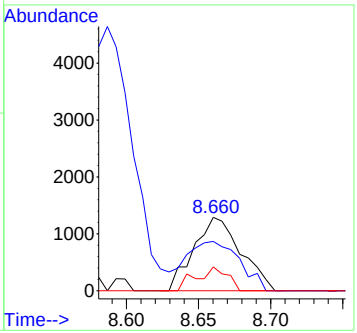


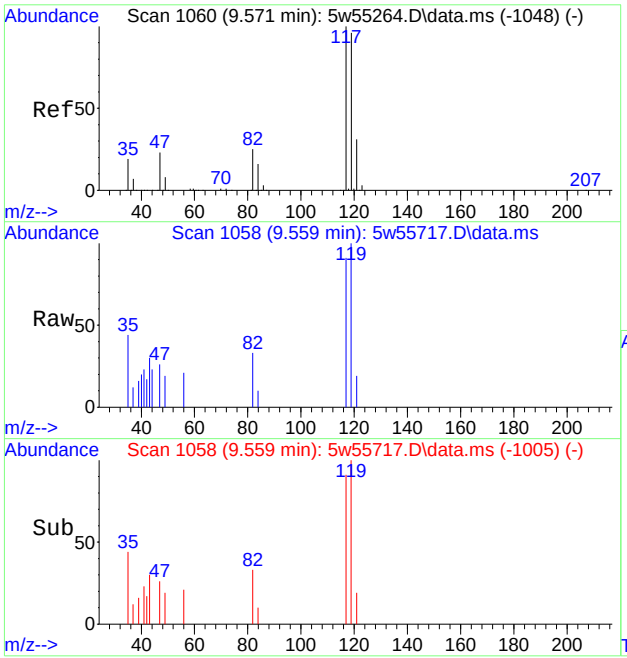


#47
2,4-DIMETHYLPENTANE
Concen: 0.11 PPBV
RT: 8.660 min Scan# 911
Delta R.T. -0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 57 Resp: 2940

Ion	Ratio	Lower	Upper
57	100		
56	76.5	26.4	86.4
85	21.3	0.0	56.0

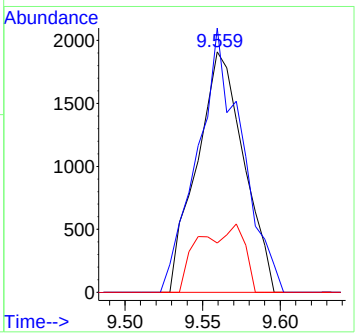


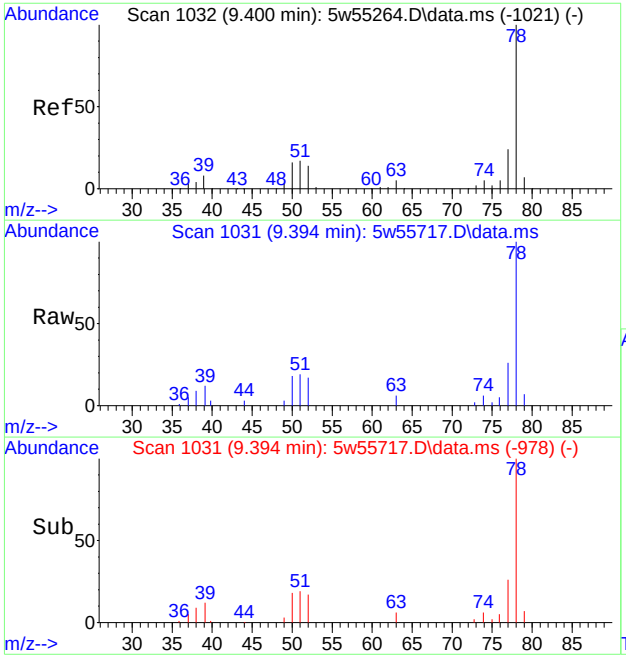


#49
CARBON TETRACHLORIDE
Concen: 0.09 PPBV
RT: 9.559 min Scan# 1058
Delta R.T. -0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion:117 Resp: 3996

Ion	Ratio	Lower	Upper
117	100		
119	104.8	65.9	125.9
121	27.3	0.7	60.7

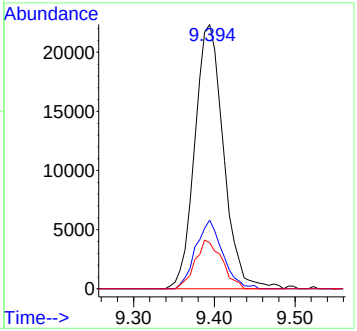


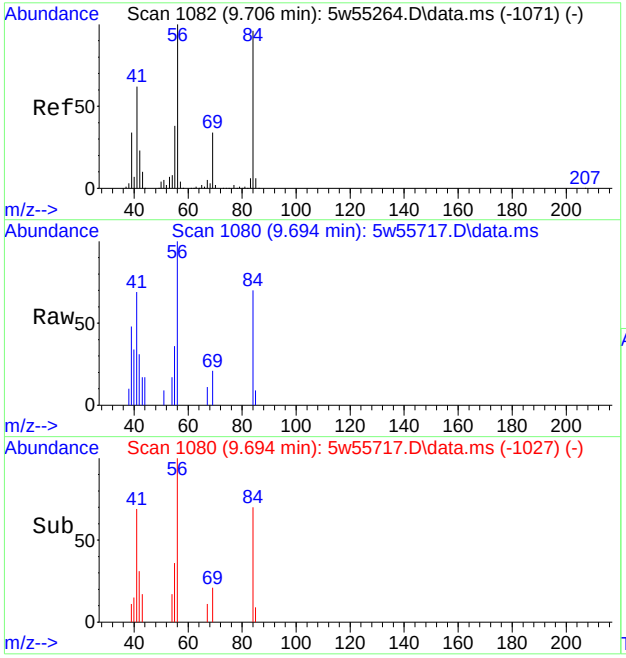


#52
BENZENE
Concen: 0.96 PPBV
RT: 9.394 min Scan# 1031
Delta R.T. -0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 78 Resp: 55338

Ion	Ratio	Lower	Upper
78	100		
77	24.5	0.0	54.0
52	17.3	0.0	45.6

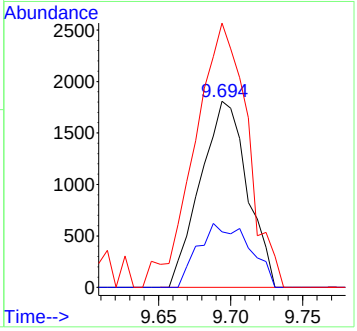


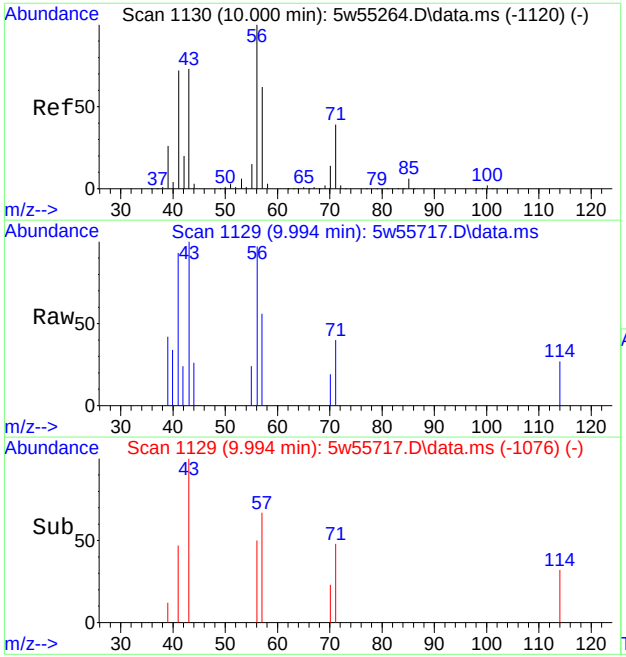


#53
CYCLOHEXANE
Concen: 0.19 PPBV
RT: 9.694 min Scan# 1080
Delta R.T. -0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 84 Resp: 4104

Ion	Ratio	Lower	Upper
84	100		
69	37.4	7.0	67.0
56	159.7	86.5	146.5#

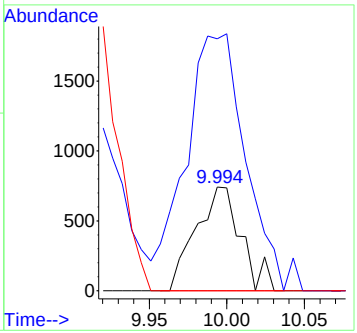


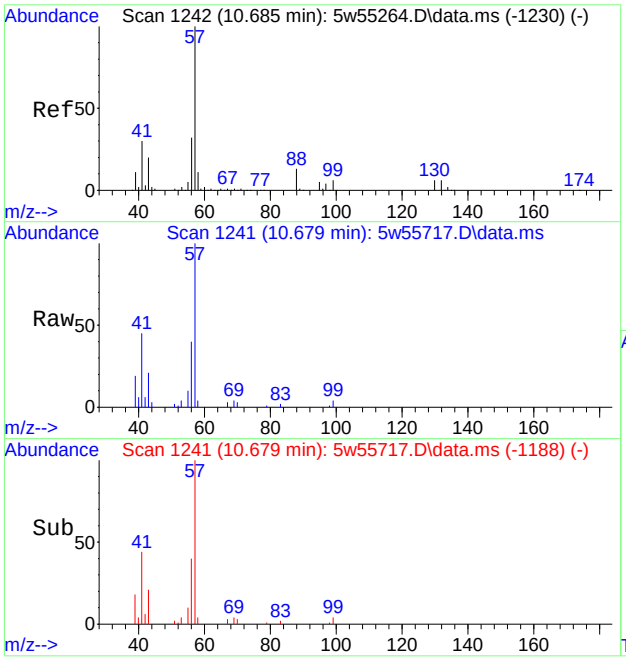


#54
2,3-DIMETHYLPENTANE
Concen: 0.13 PPBV
RT: 9.994 min Scan# 1129
Delta R.T. -0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 71 Resp: 1495

Ion	Ratio	Lower	Upper
71	100		
56	332.4	235.4	295.4#
85	0.0	0.0	45.3

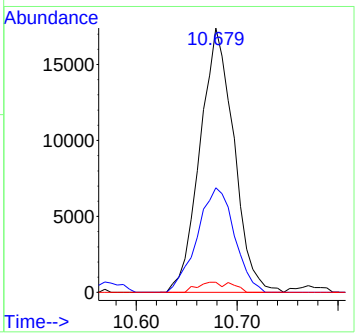


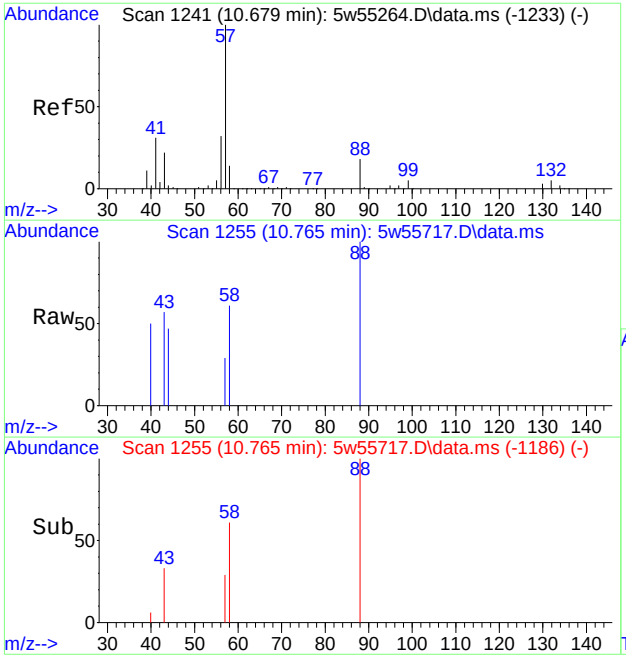


#60
2,2,4-TRIMETHYLPENTANE
Concen: 0.46 PPBV
RT: 10.679 min Scan# 1241
Delta R.T. -0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 57 Resp: 40594

Ion	Ratio	Lower	Upper
57	100		
56	43.5	2.2	62.2
99	4.0	0.0	37.6

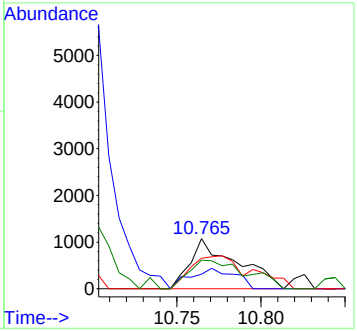


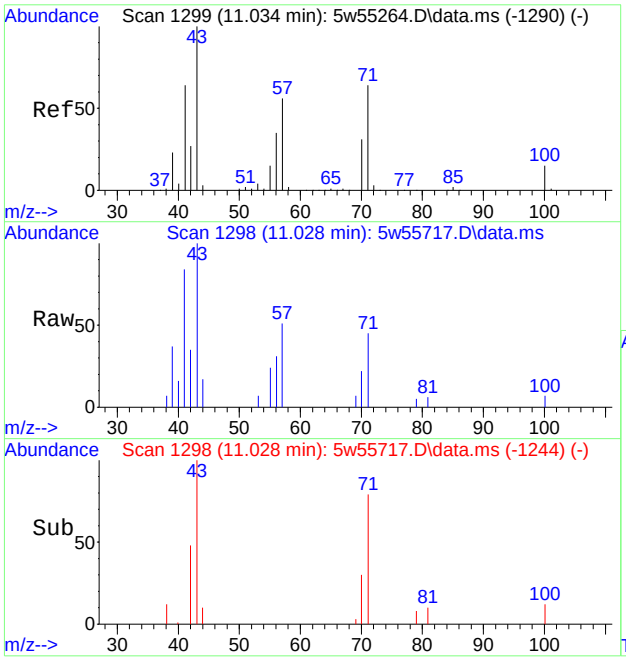


#61
1,4-DIOXANE
Concen: 0.15 PPBV
RT: 10.765 min Scan# 1255
Delta R.T. 0.092 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 88 Resp: 2063

Ion	Ratio	Lower	Upper
88	100		
57	29.2	493.0	553.0#
58	60.6	54.8	114.8
43	56.8	94.7	154.7#

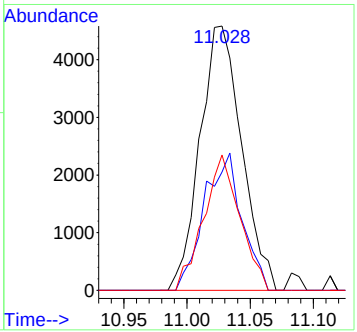


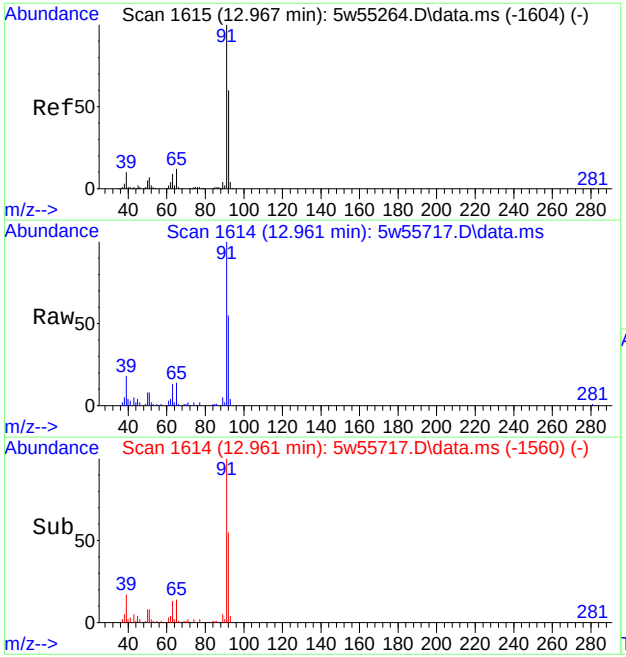


#62
HEPTANE
Concen: 0.34 PPBV
RT: 11.028 min Scan# 1298
Delta R.T. 0.000 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 43 Resp: 10550

Ion	Ratio	Lower	Upper
43	100		
71	46.8	27.2	87.2
57	44.6	22.5	82.5

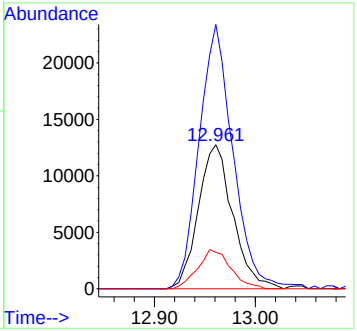


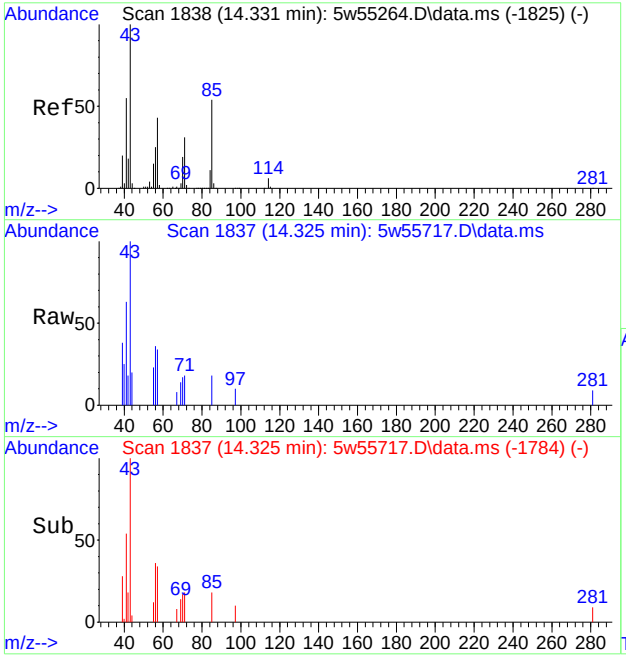


#66
TOLUENE
Concen: 0.75 PPBV
RT: 12.961 min Scan# 1614
Delta R.T. 0.000 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 92 Resp: 30255

Ion	Ratio	Lower	Upper
92	100		
91	181.0	143.4	203.4
65	26.2	0.0	53.8

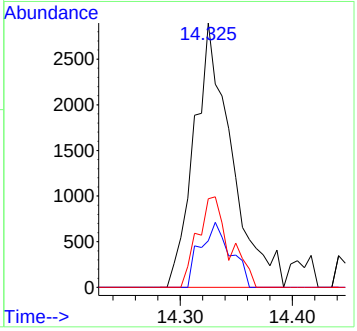


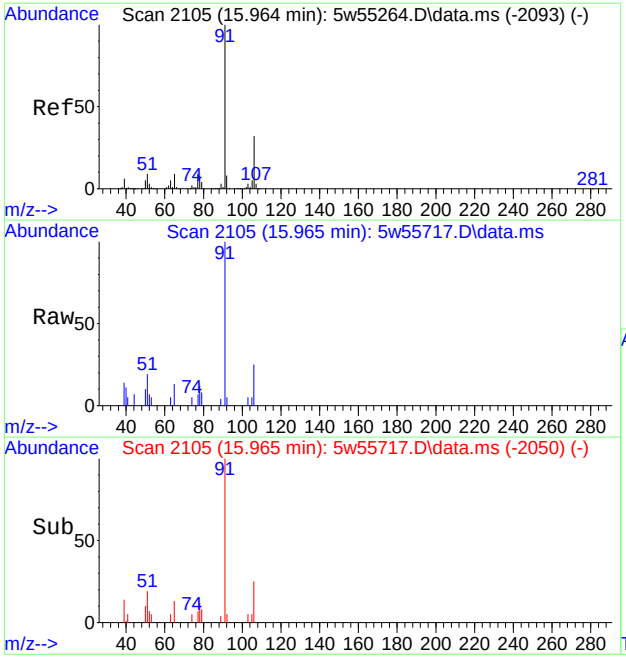


#76
OCTANE
Concen: 0.15 PPBV
RT: 14.325 min Scan# 1837
Delta R.T. -0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 43 Resp: 6737

Ion	Ratio	Lower	Upper
43	100		
85	19.9	13.7	73.7
57	29.2	9.9	69.9

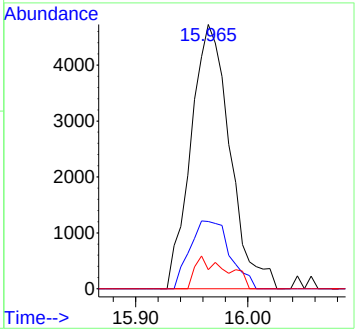


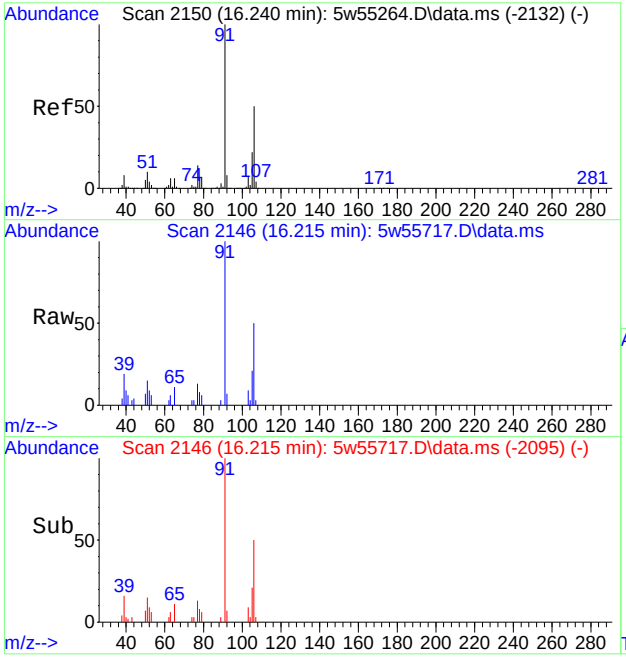


#79
ETHYLBENZENE
Concen: 0.12 PPBV
RT: 15.965 min Scan# 2105
Delta R.T. 0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 91 Resp: 11469

Ion	Ratio	Lower	Upper
91	100		
106	26.2	0.0	59.9
77	9.9	0.0	39.1

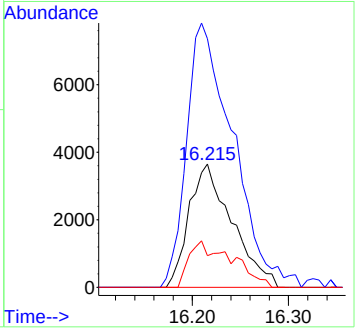


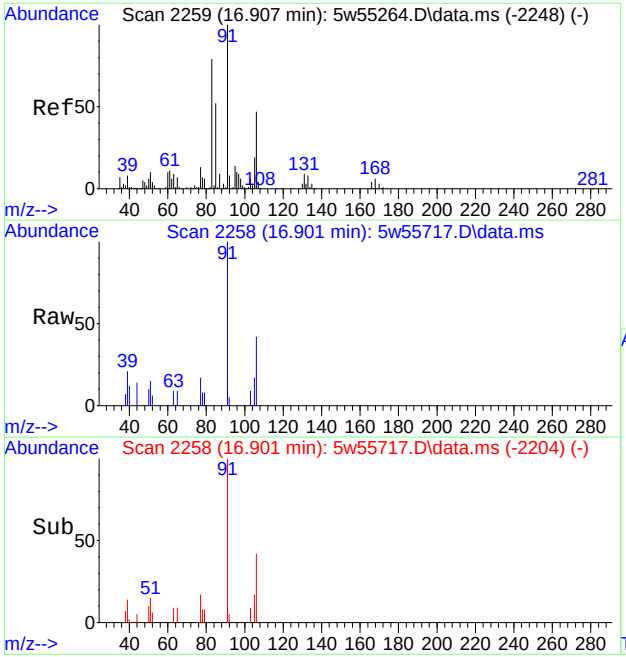


#80
m,p-XYLENE
Concen: 0.32 PPBV
RT: 16.215 min Scan# 2146
Delta R.T. -0.018 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion:106 Resp: 11351

Ion	Ratio	Lower	Upper
106	100		
91	201.5	181.2	241.2
77	25.8	0.1	60.1

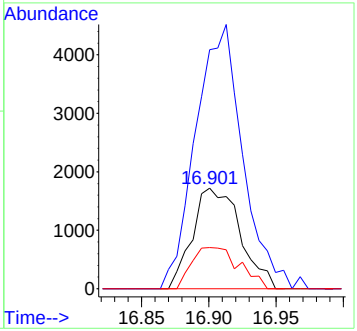


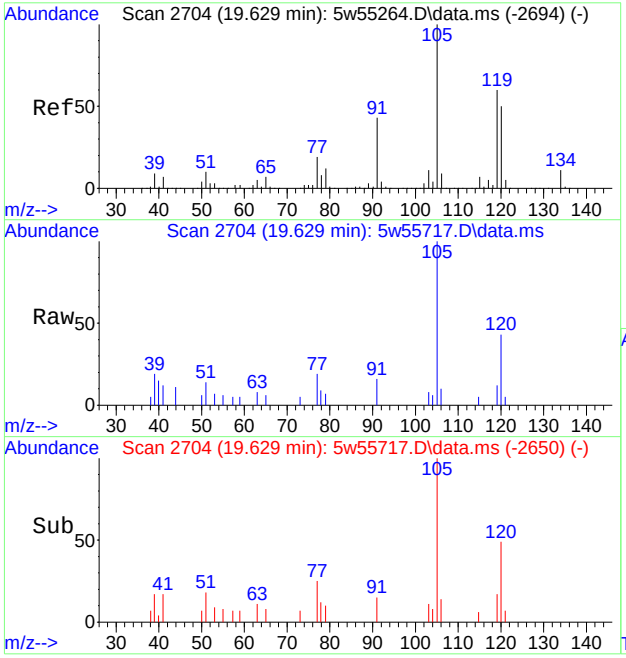


#81
o-XYLENE
Concen: 0.12 PPBV
RT: 16.901 min Scan# 2258
Delta R.T. 0.000 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion:106 Resp: 4250

Ion	Ratio	Lower	Upper
106	100		
91	259.6	193.4	253.4#
77	40.9	0.0	59.8

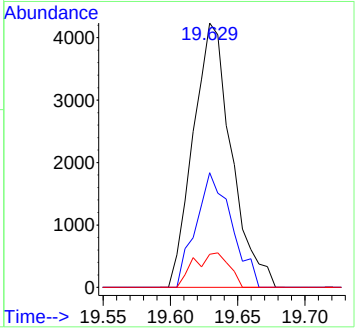




#96
1,2,4-TRIMETHYLBENZENE
Concen: 0.10 PPBV
RT: 19.629 min Scan# 2704
Delta R.T. 0.000 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion:105 Resp: 8380

Ion	Ratio	Lower	Upper
105	100		
120	40.5	22.6	82.6
119	12.0	69.7	129.7#



Manual Integration Approval Summary

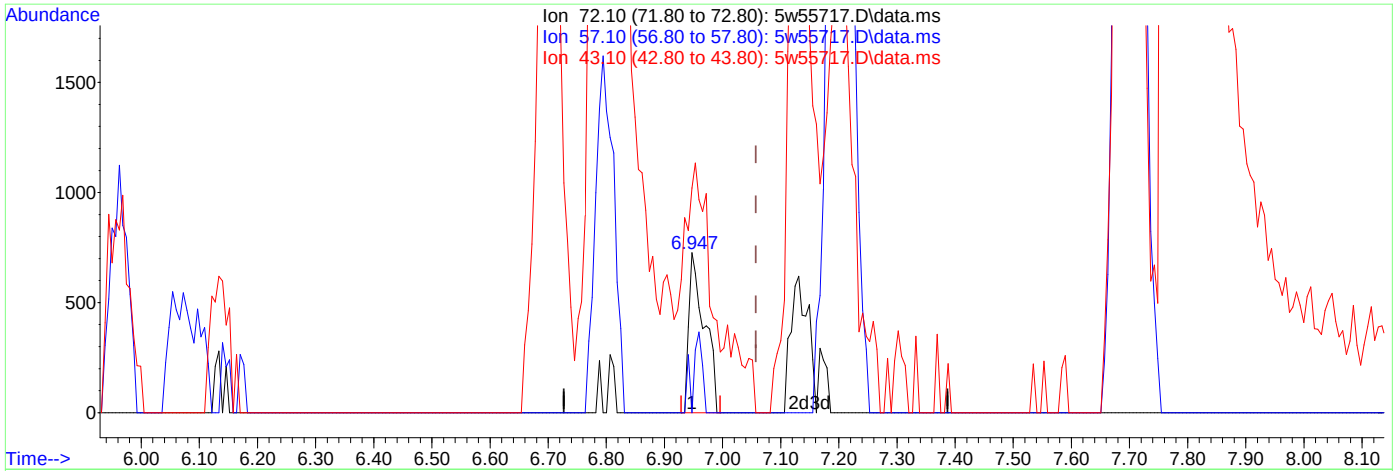
Sample Number: JE2488-2DUP
Lab FileID: 5W55717.D
Injection Time: 12/18/24 09:29
Method: TO-15
Analyst approved: 12/20/24 20:17 Kanya Veerawat
Supervisor approved: 12/20/24 20:19 Kanya Veerawat

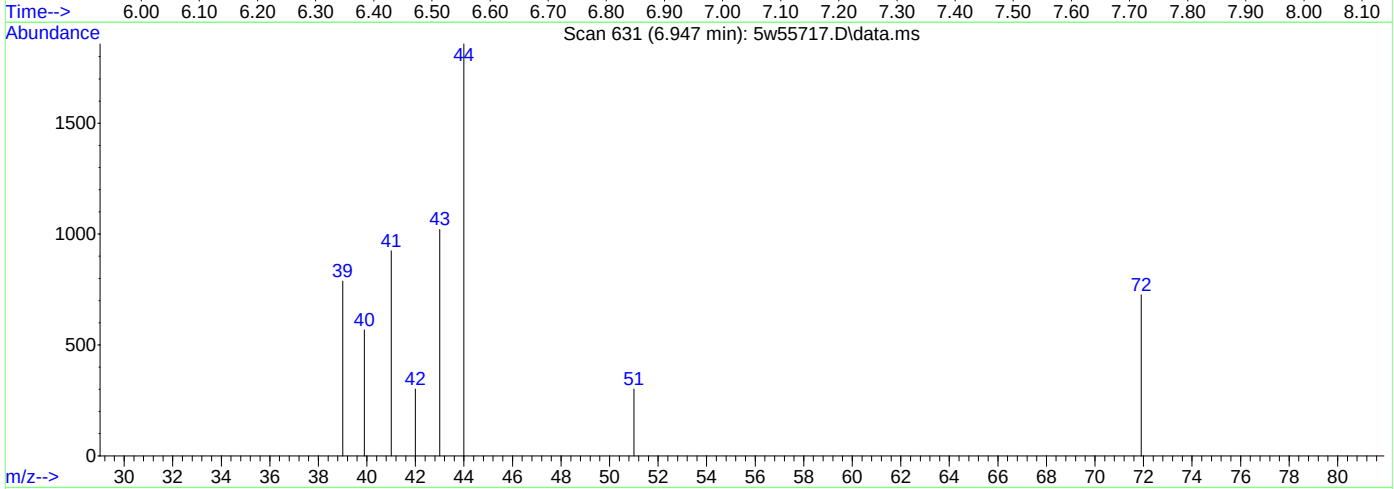
Parameter	CAS	Sig#	R.T. (min.)	Reason
Methyl ethyl ketone	78-93-3		7.13	Missed peak

Quantitation Report (Qedit)

Data Path : G:\Dayton\MSAIR\Done\2024\December\18 Dec 2024\V5W2133\
Data File : 5w55717.D
Acq On : 18 Dec 2024 9:29 am
Operator : thomash
Sample : je2488-2dup
Misc : MS88104,V5W2133,500,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 18 14:55:42 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration





TIC: 5w55717.D\data.ms

(41) METHYL ETHYL KETONE

6.947min (-0.110) 0.20PPBV

response 1345

Ion	Exp%	Act%
72.10	100	100
57.10	31.10	0.00#
43.10	420.60	140.63#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : R:\MSAIR\Done\2024\December\23 Dec 2024\v5w2136\
Data File : 5w55785.D
Acq On : 20 Dec 2024 7:03 pm
Operator : thomash
Sample : je2665-1dup Inst : GCMS5W
Misc : MS88187,V5W2136,100,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 23 16:07:39 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

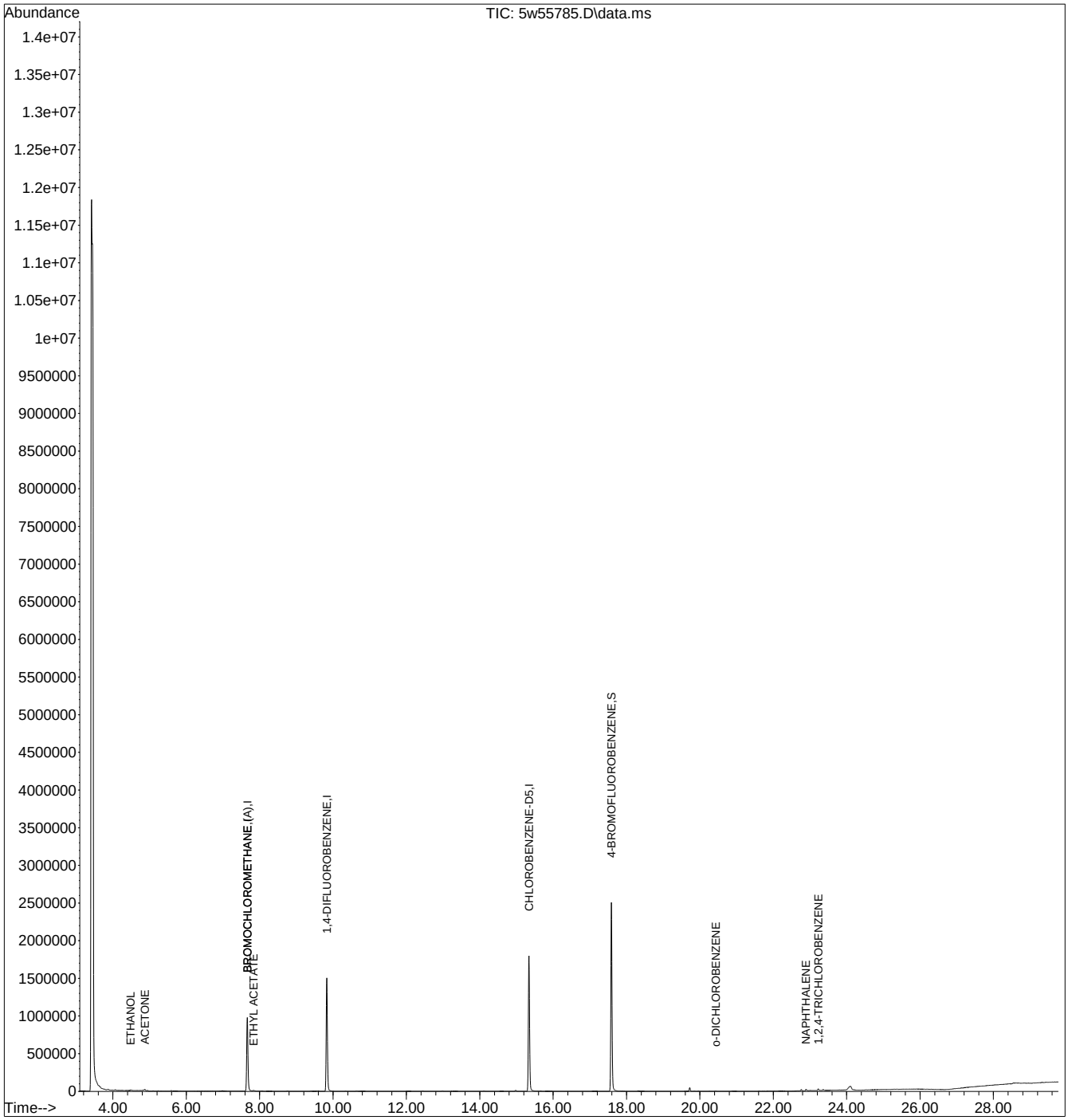
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	7.663	128	276928	10.00	PPBV	0.00
51) 1,4-DIFLUOROBENZENE	9.829	114	1339103	10.00	PPBV	0.00
70) CHLOROBENZENE-D5	15.341	82	728500	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	7.663	128	276928	10.00	PPBV	# 0.00
System Monitoring Compounds						
85) 4-BROMOFLUOROBENZENE	17.586	95	918485	11.27	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 112.70%			
Target Compounds						Qvalue
23) ACETONE	4.867	58	8491	0.3802	PPBV	# 78
28) ETHANOL	4.482	45	11825	0.5445	PPBV	90
44) ETHYL ACETATE	7.834	61	1758	0.1984	PPBV	# 38
103) o-DICHLOROBENZENE	20.430	146	2425	0.0268	PPBV	83
107) 1,2,4-TRICHLOROBENZENE	23.226	180	9413	0.1167	PPBV	92
108) NAPHTHALENE	22.890	128	17643	0.0996	PPBV	95

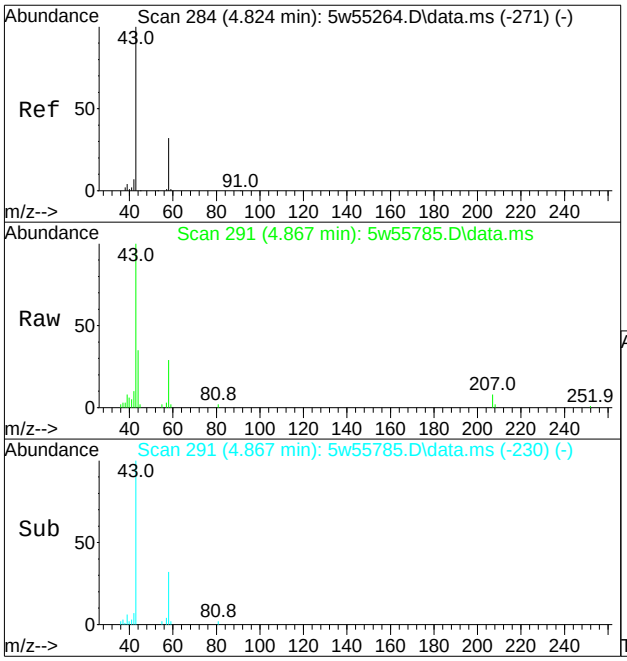
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : R:\MSAIR\Done\2024\December\23 Dec 2024\v5w2136\
Data File : 5w55785.D
Acq On : 20 Dec 2024 7:03 pm
Operator : thomash
Sample : je2665-1dup Inst : GCMS5W
Misc : MS88187,V5W2136,100,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 23 16:07:39 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

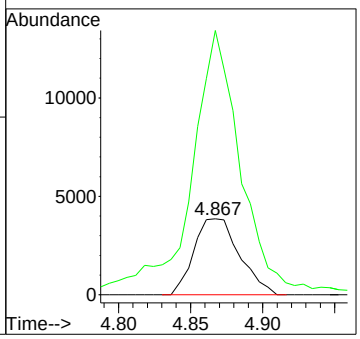


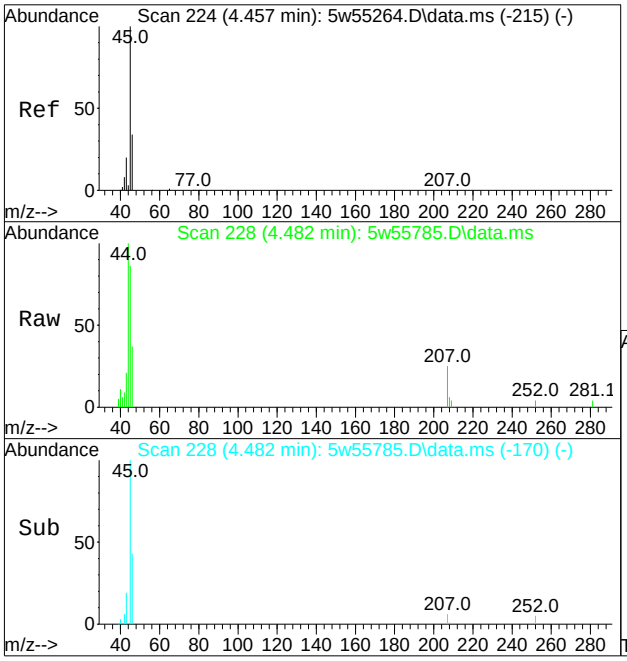


#23
ACETONE
Concen: 0.3802 PPBV
RT: 4.867 min Scan# 291
Delta R.T. 0.043 min
Lab File: 5w55785.D
Acq: 20 Dec 2024 7:03 pm

Tgt Ion: 58 Resp: 8491

Ion	Ratio	Lower	Upper
58	100		
43	389.2	312.3	372.3#

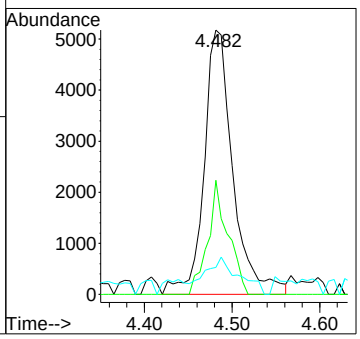


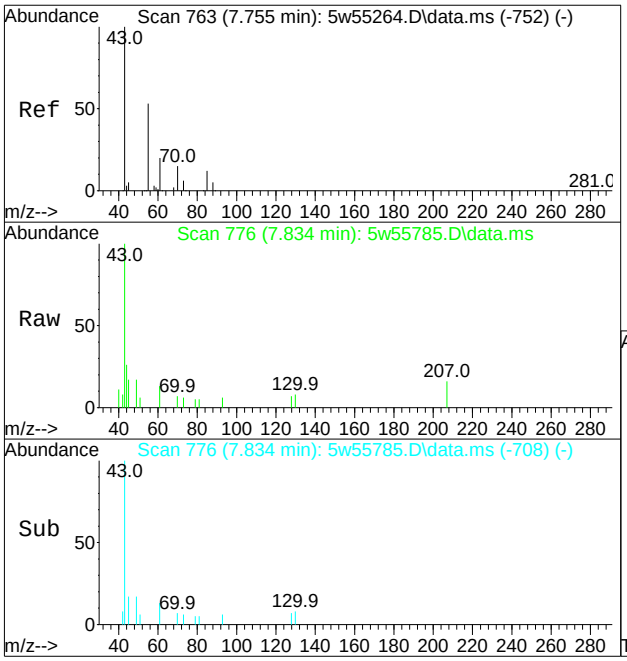


#28
ETHANOL
Concen: 0.5445 PPBV
RT: 4.482 min Scan# 228
Delta R.T. 0.024 min
Lab File: 5w55785.D
Acq: 20 Dec 2024 7:03 pm

Tgt Ion: 45 Resp: 11825

Ion	Ratio	Lower	Upper
45	100		
46	30.2	4.5	64.5
42	16.3	0.0	38.6

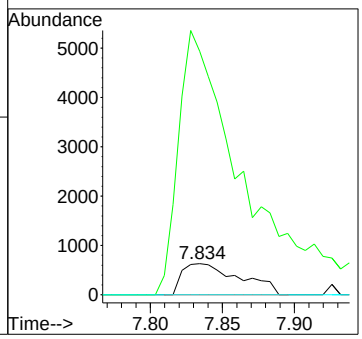


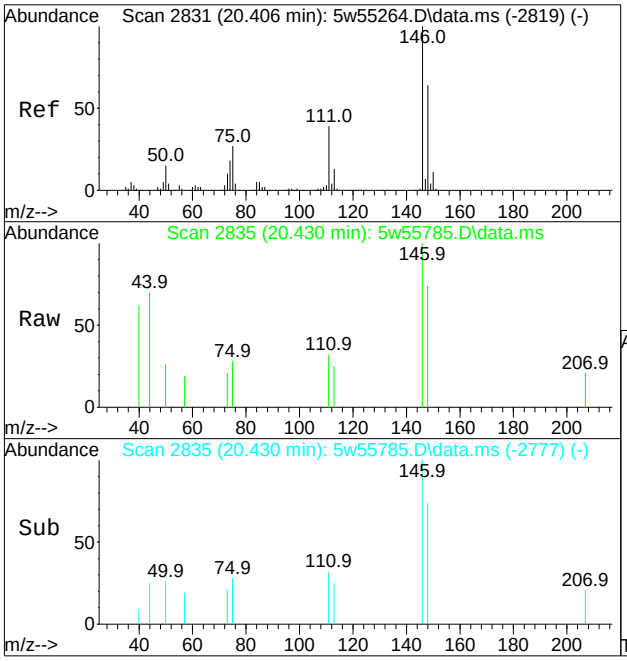


#44
ETHYL ACETATE
Concen: 0.1984 PPBV
RT: 7.834 min Scan# 776
Delta R.T. 0.086 min
Lab File: 5w55785.D
Acq: 20 Dec 2024 7:03 pm

Tgt Ion: 61 Resp: 1758

Ion	Ratio	Lower	Upper
61	100		
43	1032.1	0.0	30.0#
88	0.0	7.3	67.3#

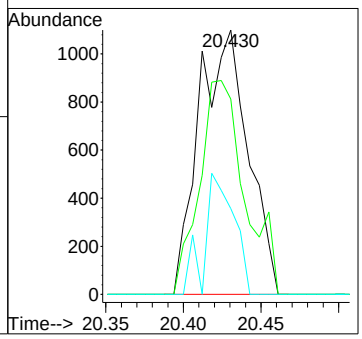


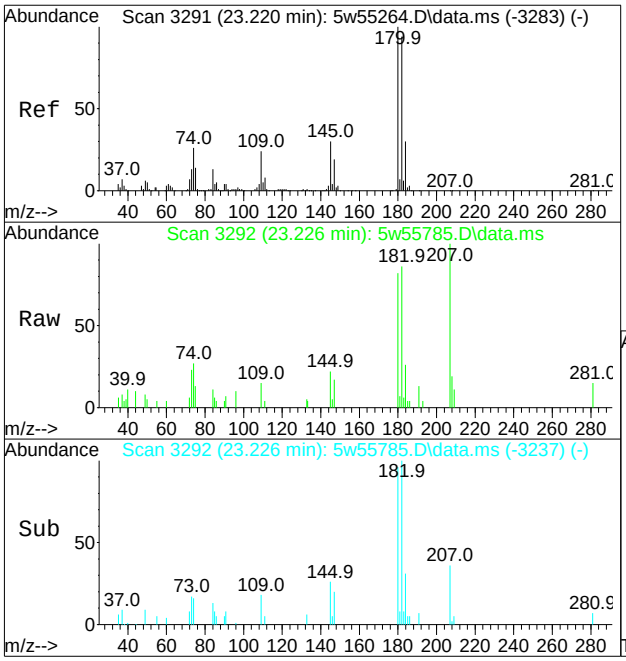


#103
o-DICHLOROBENZENE
Concen: 0.0268 PPBV
RT: 20.430 min Scan# 2835
Delta R.T. 0.024 min
Lab File: 5w55785.D
Acq: 20 Dec 2024 7:03 pm

Tgt Ion:146 Resp: 2425

Ion	Ratio	Lower	Upper
146	100		
148	74.4	33.8	93.8
111	27.3	11.3	71.3

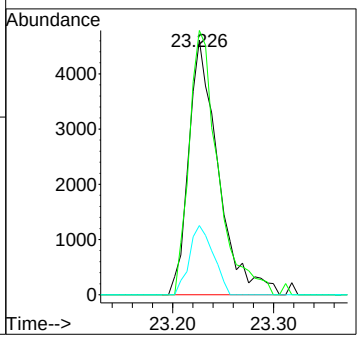


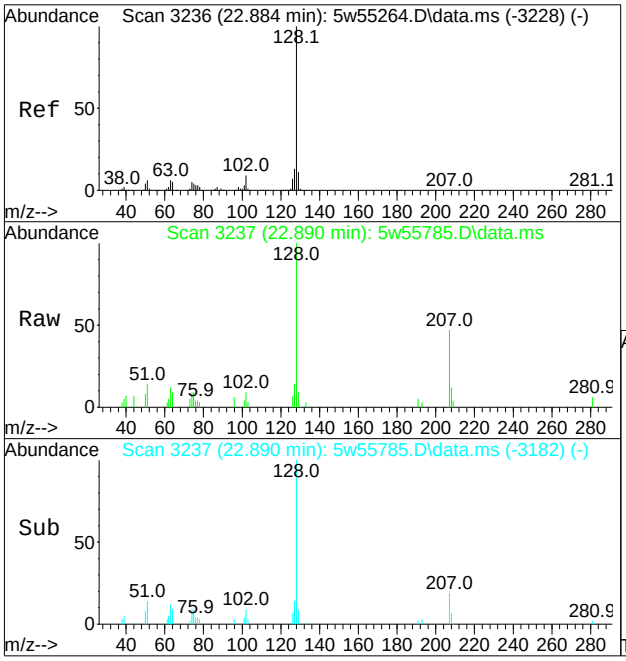


#107
1,2,4-TRICHLOROBENZENE
Concen: 0.1167 PPBV
RT: 23.226 min Scan# 3292
Delta R.T. 0.006 min
Lab File: 5w55785.D
Acq: 20 Dec 2024 7:03 pm

Tgt Ion:180 Resp: 9413

Ion	Ratio	Lower	Upper
180	100		
182	101.6	66.4	126.4
145	22.0	0.2	60.2

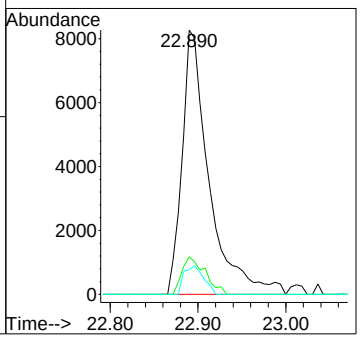




#108
NAPHTHALENE
Concen: 0.0996 PPBV
RT: 22.890 min Scan# 3237
Delta R.T. 0.006 min
Lab File: 5w55785.D
Acq: 20 Dec 2024 7:03 pm

Tgt Ion:128 Resp: 17643

Ion	Ratio	Lower	Upper
128	100		
127	12.2	0.0	43.1
129	7.9	0.0	41.1



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\122424\v5w2138\
Data File : 5w55826.D
Acq On : 23 Dec 2024 4:11 pm
Operator : thomash
Sample : je2315-1dup Inst : GCMS5W
Misc : MS88014,V5W2138,400,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 24 16:52:01 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

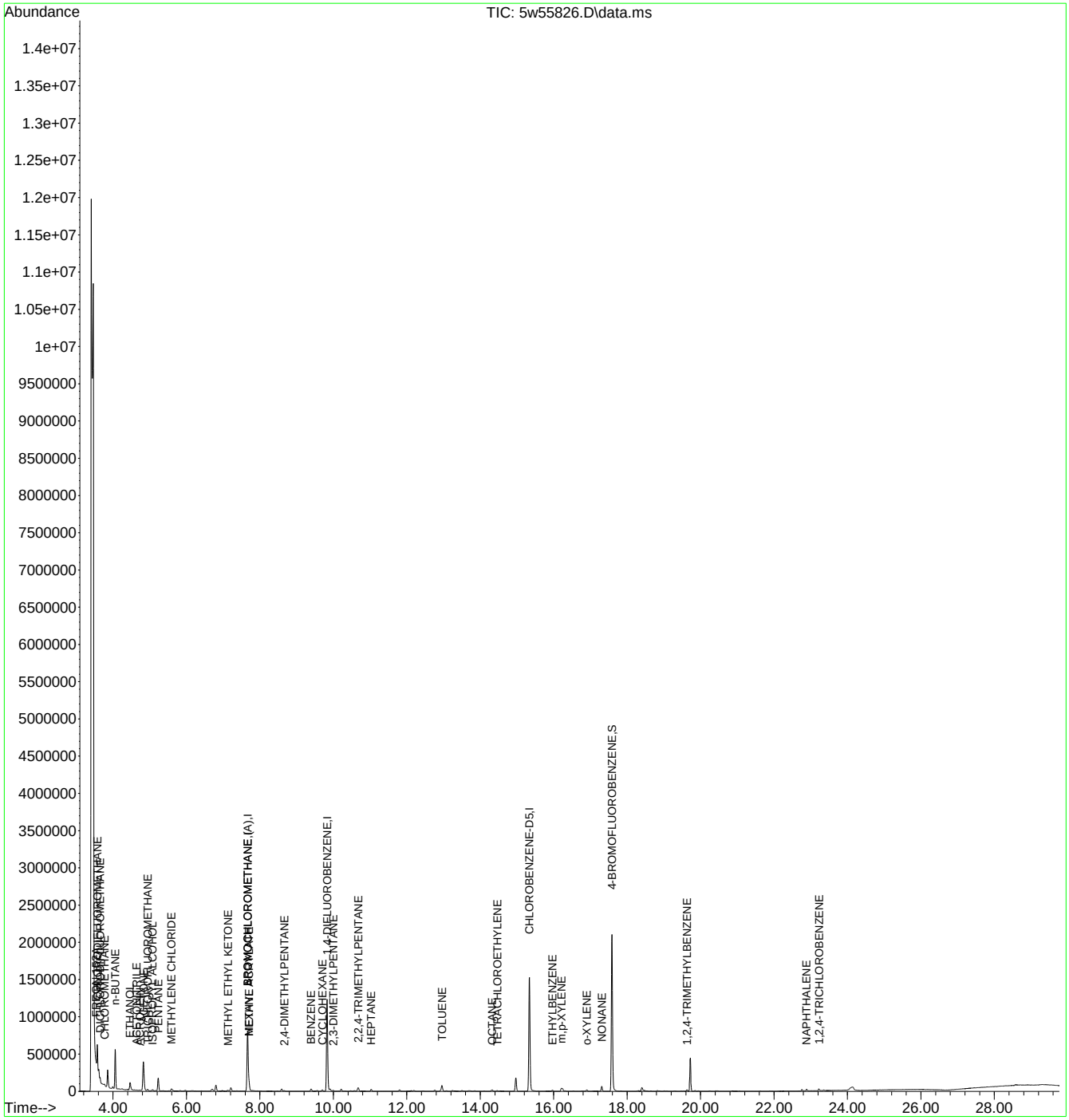
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	7.663	128	217553	10.00	PPBV	0.00
51) 1,4-DIFLUOROBENZENE	9.828	114	1077292	10.00	PPBV	0.00
70) CHLOROBENZENE-D5	15.334	82	621263	10.00	PPBV	-0.01
109) BROMOCHLOROMETHANE (A)	7.663	128	217553	10.00	PPBV	# 0.00
System Monitoring Compounds						
85) 4-BROMOFLUOROBENZENE	17.586	95	760224	10.93	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 109.30%			
Target Compounds						Qvalue
3) FREON 152A	3.539	65	17612	1.0942	PPBV #	43
4) CHLORODIFLUOROMETHANE	3.570	67	70935	8.4993	PPBV	99
6) DICHLORODIFLUOROMETHANE	3.650	85	33315	0.4190	PPBV	99
10) CHLOROMETHANE	3.772	52	4470	0.4360	PPBV #	81
13) n-BUTANE	4.059	43	439213	9.4501	PPBV #	94
17) ACETONITRILE	4.635	41	3723	0.1387	PPBV #	70
18) ACROLEIN	4.732	56	1588	0.1355	PPBV #	50
21) TRICHLOROFLUOROMETHANE	4.940	101	17117	0.2330	PPBV	98
22) ISOPROPYL ALCOHOL	5.075	45	24215	0.5202	PPBV	88
23) ACETONE	4.836	58	63014	3.5913	PPBV #	12
24) PENTANE	5.234	42	77918	3.3694	PPBV	97
28) ETHANOL	4.463	45	128568	7.5359	PPBV	99
31) METHYLENE CHLORIDE	5.589	84	13335	0.5844	PPBV	96
38) HEXANE	7.706	57	46133	1.3534	PPBV	84
41) METHYL ETHYL KETONE	7.124	72	5405	0.5728	PPBV	88
45) METHYL ACRYLATE	7.706	55	5623	0.1357	PPBV #	56
47) 2,4-DIMETHYLPENTANE	8.666	57	3784	0.1015	PPBV	88
52) BENZENE	9.394	78	32183	0.4122	PPBV	99
53) CYCLOHEXANE	9.700	84	7334	0.2500	PPBV	95
54) 2,3-DIMETHYLPENTANE	9.994	71	2176	0.1374	PPBV #	86
60) 2,2,4-TRIMETHYLPENTANE	10.679	57	42861	0.3615	PPBV	85
62) HEPTANE	11.028	43	12558	0.3032	PPBV	91
66) TOLUENE	12.961	92	40482	0.7412	PPBV	99
73) TETRACHLOROETHYLENE	14.472	164	2473	0.0609	PPBV	86
76) OCTANE	14.325	43	19766	0.3622	PPBV #	55
79) ETHYLBENZENE	15.964	91	15737	0.1374	PPBV	92
80) m,p-XYLENE	16.209	106	24925	0.5735	PPBV	98
81) o-XYLENE	16.901	106	6839	0.1621	PPBV	88
83) NONANE	17.310	43	31896	0.5601	PPBV	99
96) 1,2,4-TRIMETHYLBENZENE	19.629	105	11668	0.1080	PPBV #	40
107) 1,2,4-TRICHLOROBENZENE	23.226	180	9822	0.1428	PPBV	95
108) NAPHTHALENE	22.884	128	19361	0.1282	PPBV	97

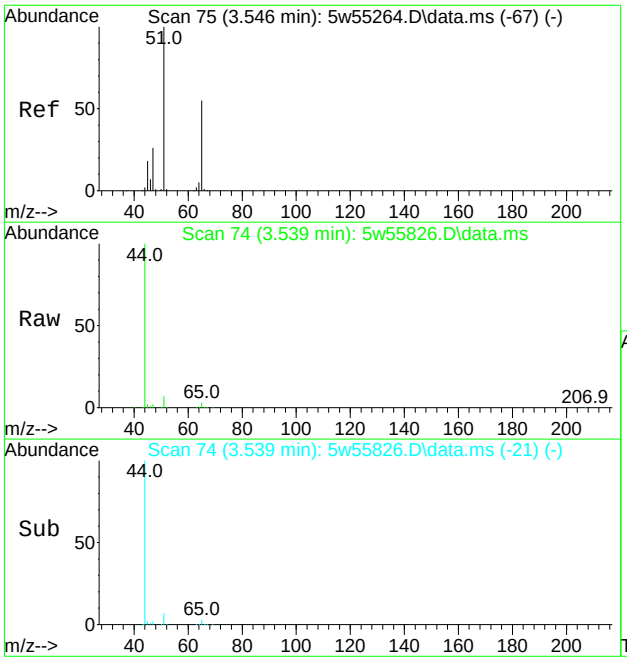
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\122424\v5w2138\
Data File : 5w55826.D
Acq On : 23 Dec 2024 4:11 pm
Operator : thomash
Sample : je2315-1dup Inst : GCMS5W
Misc : MS88014,V5W2138,400,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 24 16:52:01 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

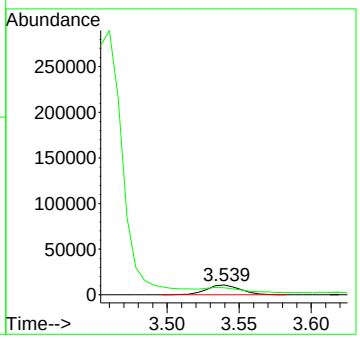


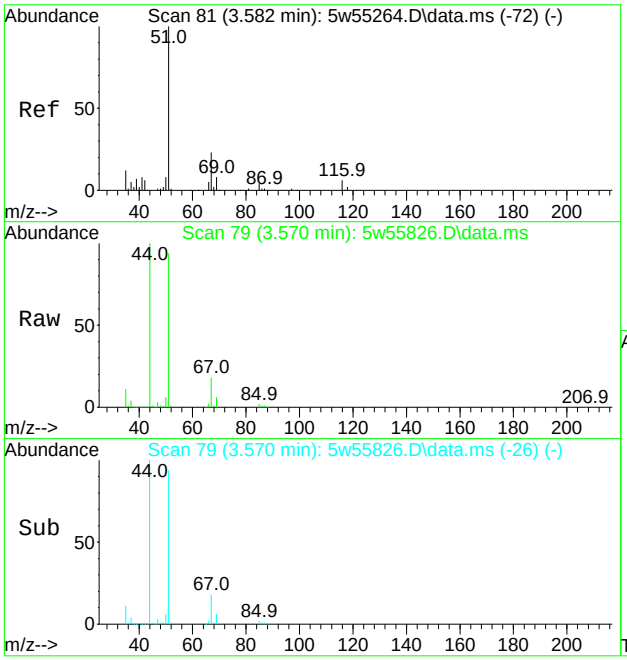


#3
FREON 152A
Concen: 1.0942 PPBV
RT: 3.539 min Scan# 74
Delta R.T. -0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 65 Resp: 17612

Ion	Ratio	Lower	Upper
65	100		
45	0.0	1.8	61.8#

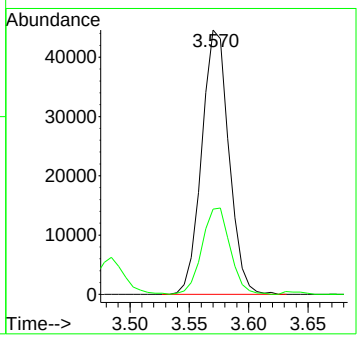


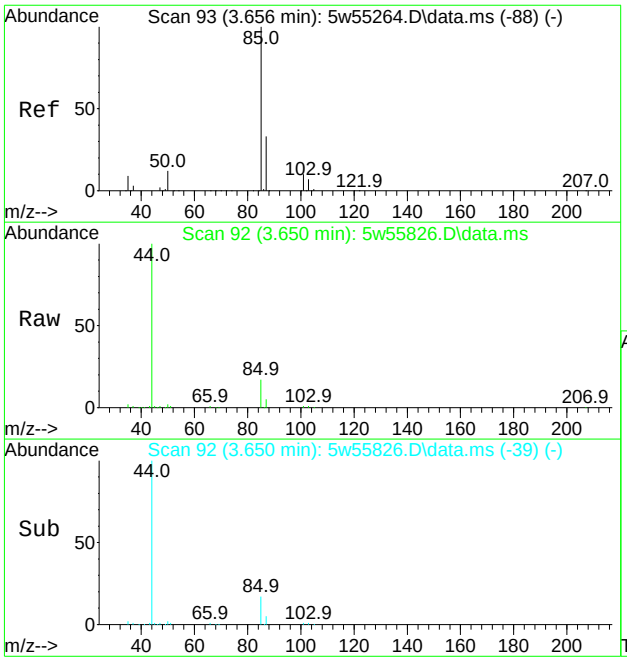


#4
CHLORODIFLUOROMETHANE
Concen: 8.4993 PPBV
RT: 3.570 min Scan# 79
Delta R.T. -0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 67 Resp: 70935

Ion	Ratio	Lower	Upper
67	100		
69	32.3	2.9	62.9

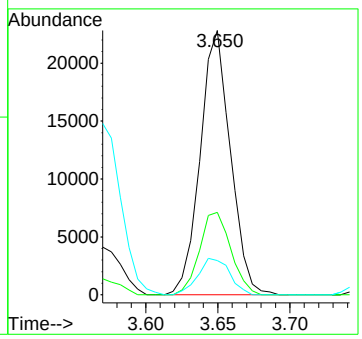


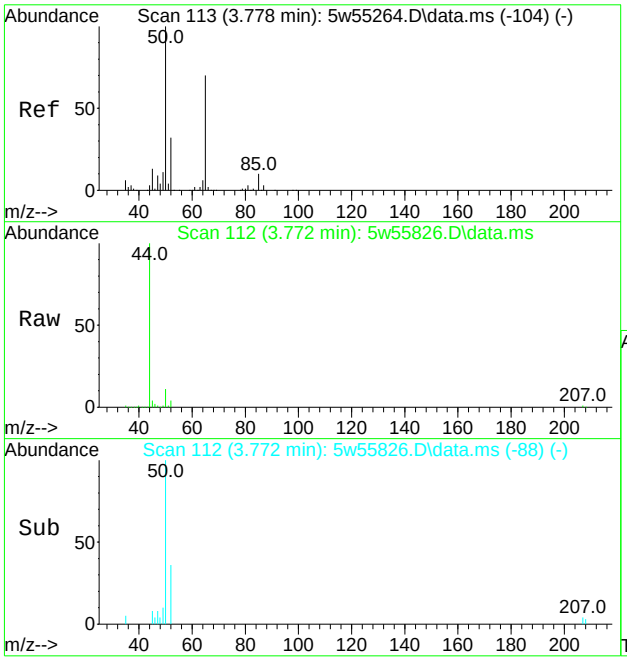


#6
DICHLORODIFLUOROMETHANE
Concen: 0.4190 PPBV
RT: 3.650 min Scan# 92
Delta R.T. -0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 85 Resp: 33315

Ion	Ratio	Lower	Upper
85	100		
87	32.3	2.6	62.6
50	14.5	0.0	43.0

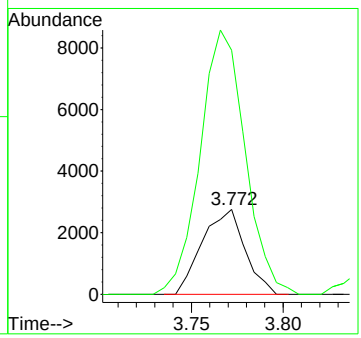


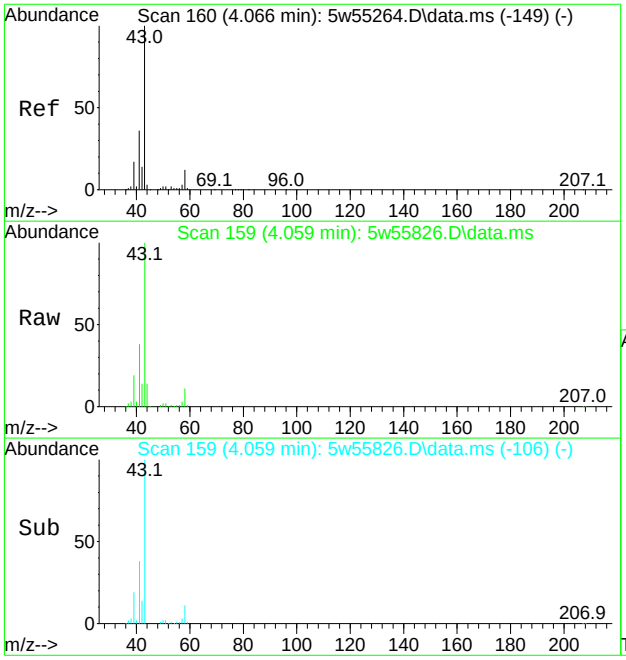


#10
CHLOROMETHANE
Concen: 0.4360 PPBV
RT: 3.772 min Scan# 112
Delta R.T. -0.000 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 52 Resp: 4470

Ion	Ratio	Lower	Upper
52	100		
50	278.9	287.9	347.9#

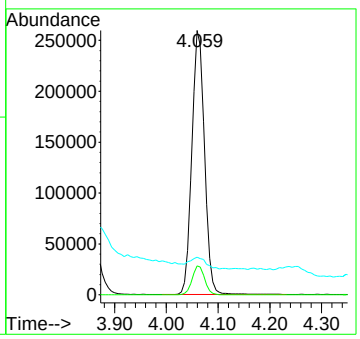


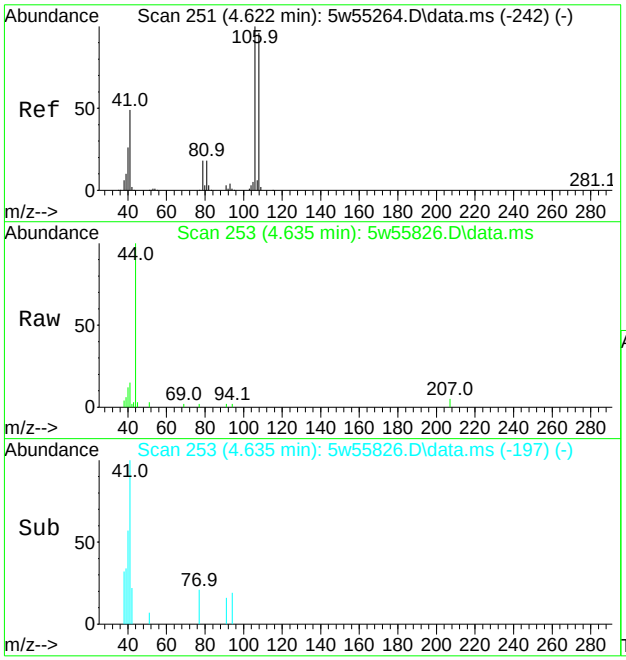


#13
n-BUTANE
Concen: 9.4501 PPBV
RT: 4.059 min Scan# 159
Delta R.T. -0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 43 Resp: 439213

Ion	Ratio	Lower	Upper
43	100		
58	10.8	0.0	41.6
44	0.0	0.0	34.7

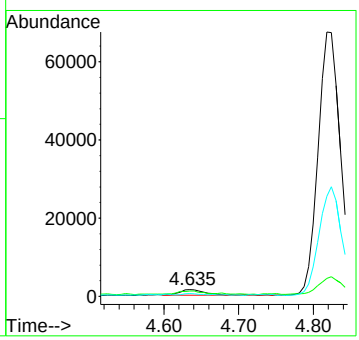


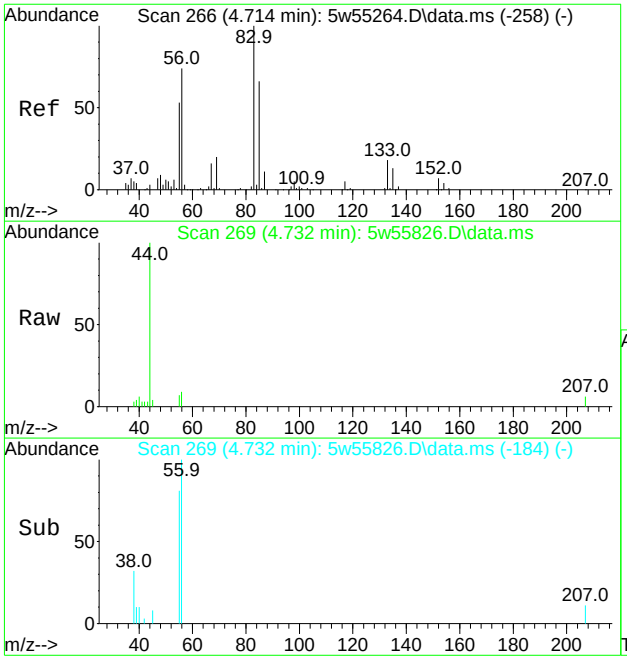


#17
ACETONITRILE
Concen: 0.1387 PPBV
RT: 4.635 min Scan# 253
Delta R.T. 0.012 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 41 Resp: 3723

Ion	Ratio	Lower	Upper
41	100		
40	80.2	38.4	71.4#
39	27.1	13.7	25.5#

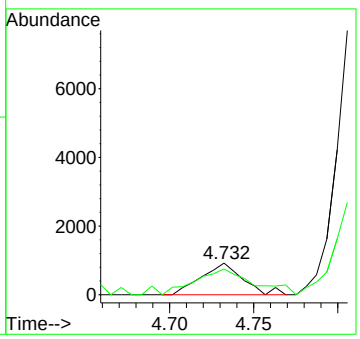


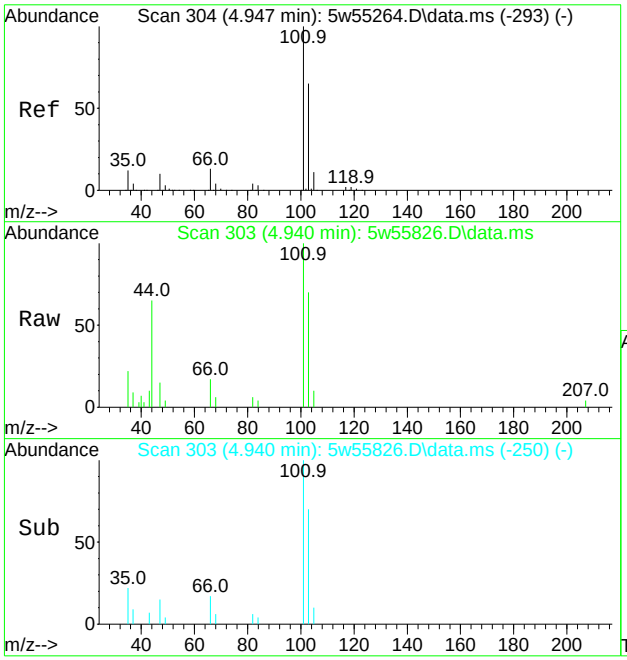


#18
ACROLEIN
Concen: 0.1355 PPBV
RT: 4.732 min Scan# 269
Delta R.T. 0.018 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 56 Resp: 1588

Ion	Ratio	Lower	Upper
56	100		
55	112.4	49.8	92.6#

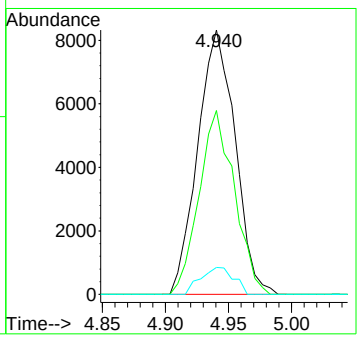


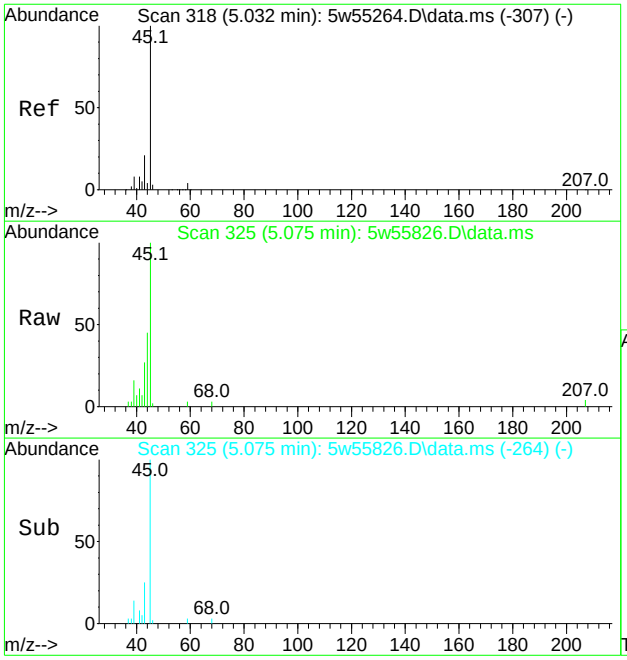


#21
TRICHLOROFLUOROMETHANE
Concen: 0.2330 PPBV
RT: 4.940 min Scan# 303
Delta R.T. -0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion:101 Resp: 17117

Ion	Ratio	Lower	Upper
101	100		
103	65.9	34.7	94.7
105	9.1	0.0	40.5

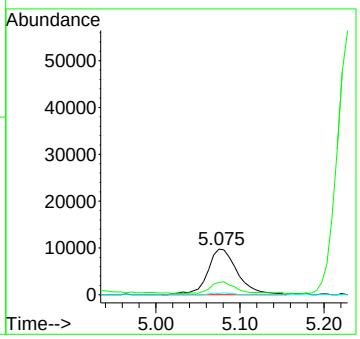


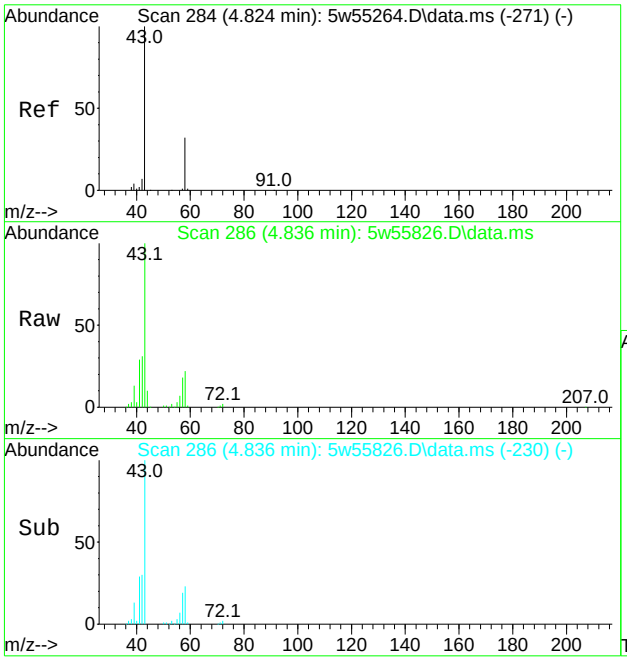


#22
ISOPROPYL ALCOHOL
Concen: 0.5202 PPBV
RT: 5.075 min Scan# 325
Delta R.T. 0.043 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 45 Resp: 24215

Ion	Ratio	Lower	Upper
45	100		
43	27.1	0.0	50.8
59	2.7	0.0	33.8

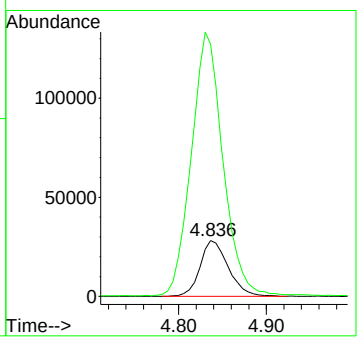


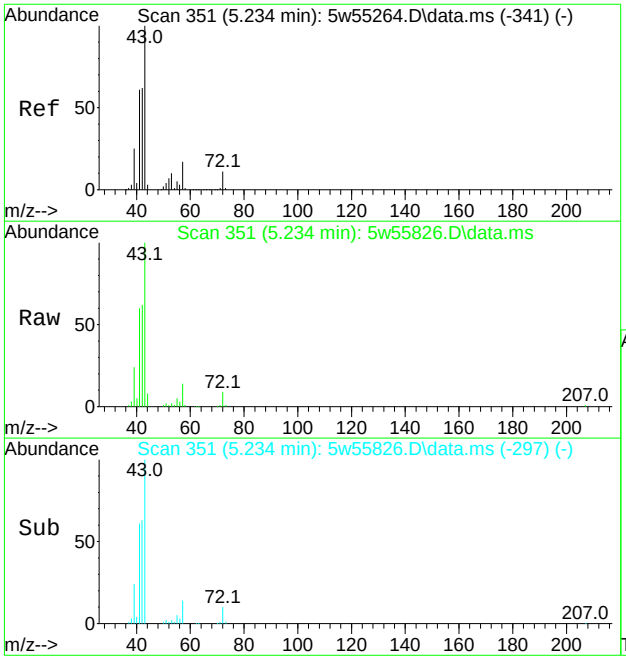


#23
ACETONE
Concen: 3.5913 PPBV
RT: 4.836 min Scan# 286
Delta R.T. 0.012 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 58 Resp: 63014

Ion	Ratio	Lower	Upper
58	100		
43	530.6	312.3	372.3#

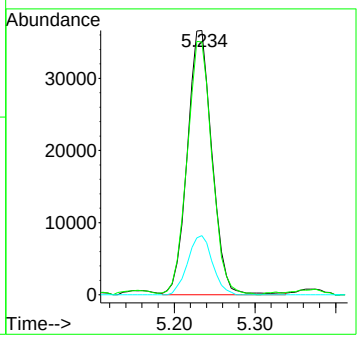


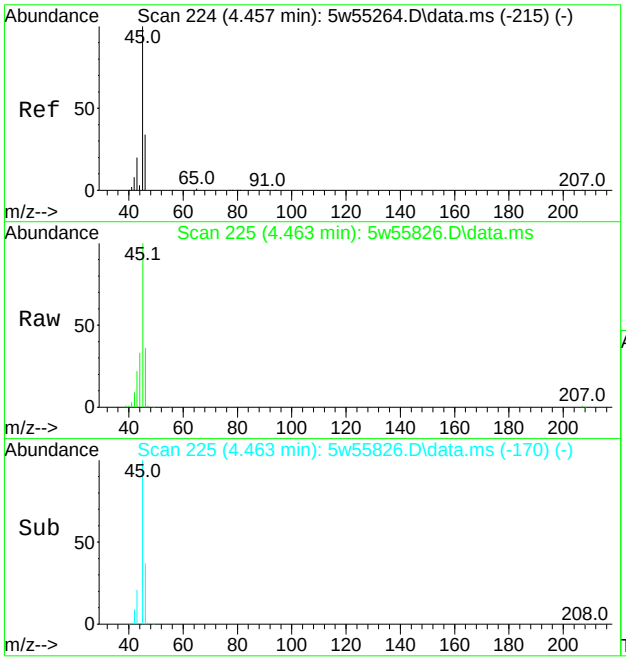


#24
PENTANE
Concen: 3.3694 PPBV
RT: 5.234 min Scan# 351
Delta R.T. -0.000 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 42 Resp: 77918

Ion	Ratio	Lower	Upper
42	100		
41	96.8	64.4	124.4
57	22.4	0.0	55.0

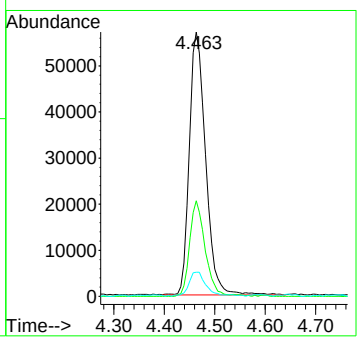


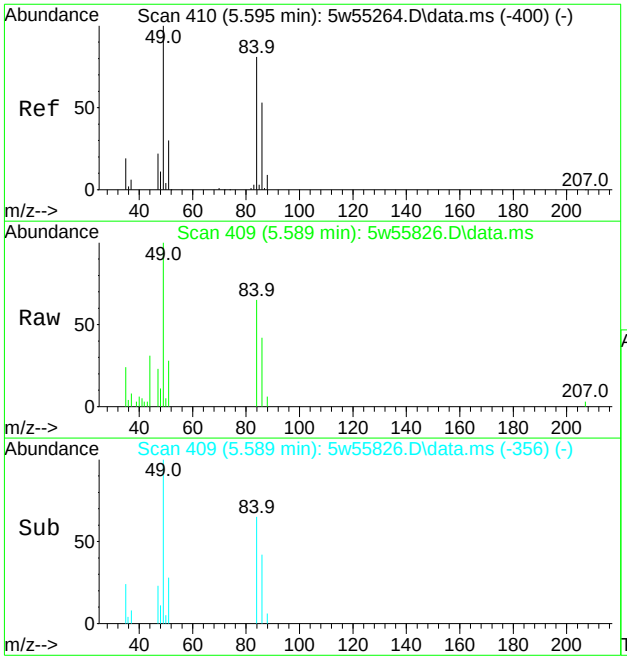


#28
ETHANOL
Concen: 7.5359 PPBV
RT: 4.463 min Scan# 225
Delta R.T. 0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 45 Resp: 128568

Ion	Ratio	Lower	Upper
45	100		
46	34.7	4.5	64.5
42	10.1	0.0	38.6

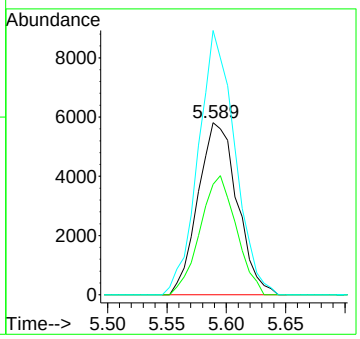


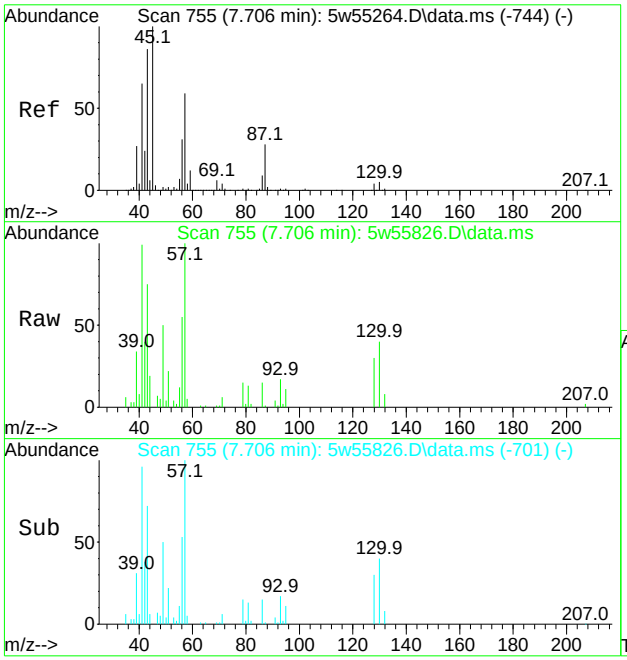


#31
METHYLENE CHLORIDE
Concen: 0.5844 PPBV
RT: 5.589 min Scan# 409
Delta R.T. -0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 84 Resp: 13335

Ion	Ratio	Lower	Upper
84	100		
86	63.7	34.0	94.0
49	143.0	105.8	165.8

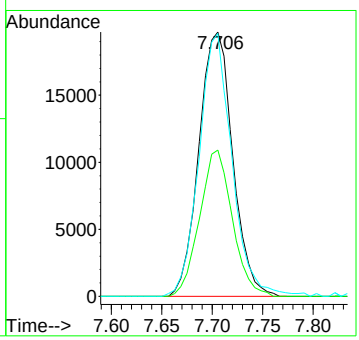


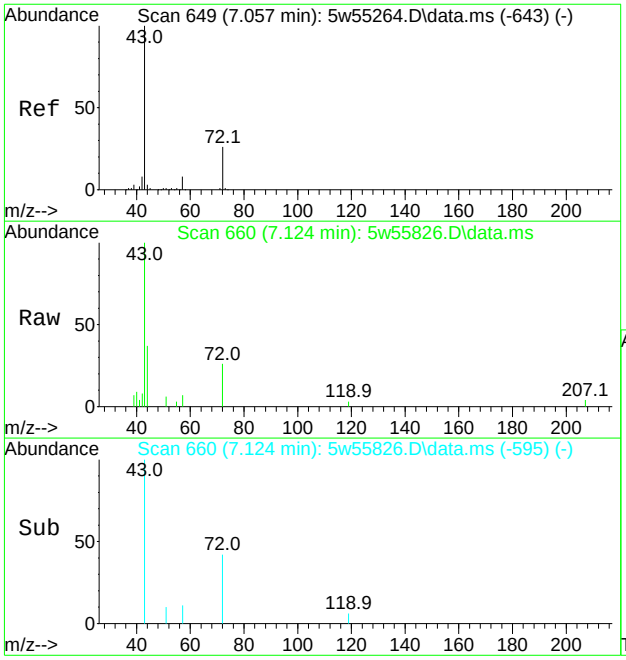


#38
HEXANE
Concen: 1.3534 PPBV
RT: 7.706 min Scan# 755
Delta R.T. -0.000 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 57 Resp: 46133

Ion	Ratio	Lower	Upper
57	100		
56	53.4	24.2	84.2
41	97.1	92.1	152.1

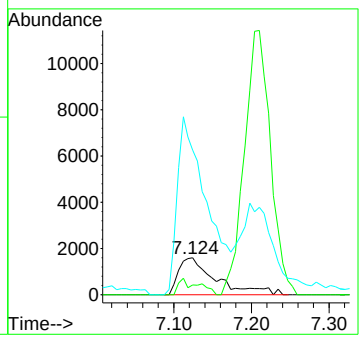


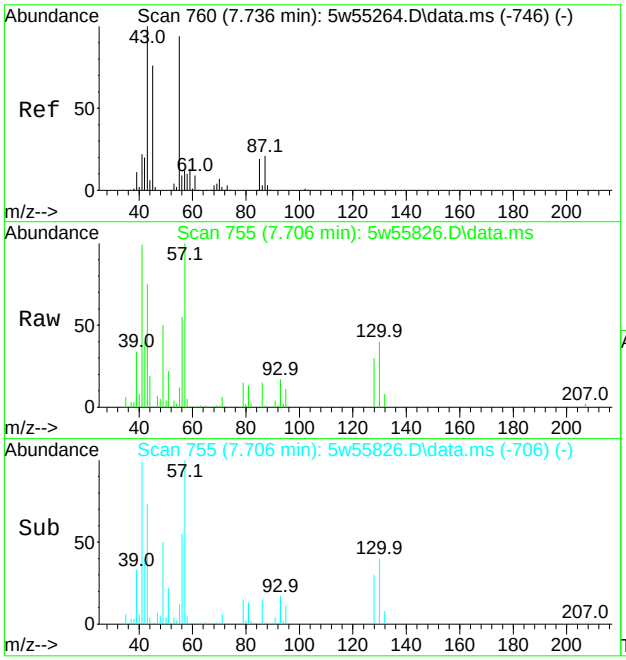


#41
METHYL ETHYL KETONE
Concen: 0.5728 PPBV
RT: 7.124 min Scan# 660
Delta R.T. 0.067 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 72 Resp: 5405

Ion	Ratio	Lower	Upper
72	100		
57	26.9	1.1	61.1
43	390.7	390.6	450.6

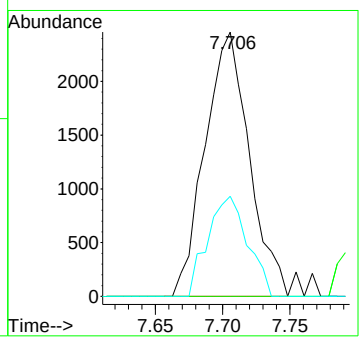


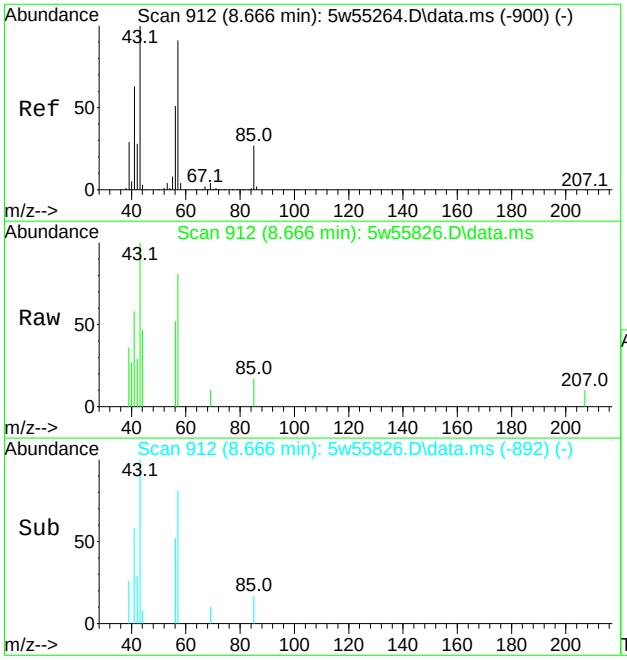


#45
METHYL ACRYLATE
Concen: 0.1357 PPBV
RT: 7.706 min Scan# 755
Delta R.T. -0.031 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 55 Resp: 5623

Ion	Ratio	Lower	Upper
55	100		
85	0.0	11.4	21.2#
58	34.2	9.7	17.9#

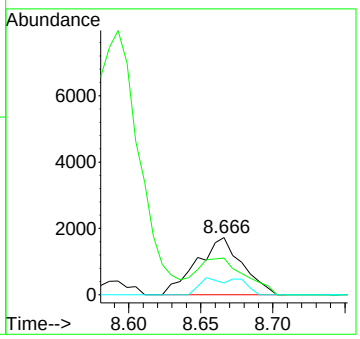


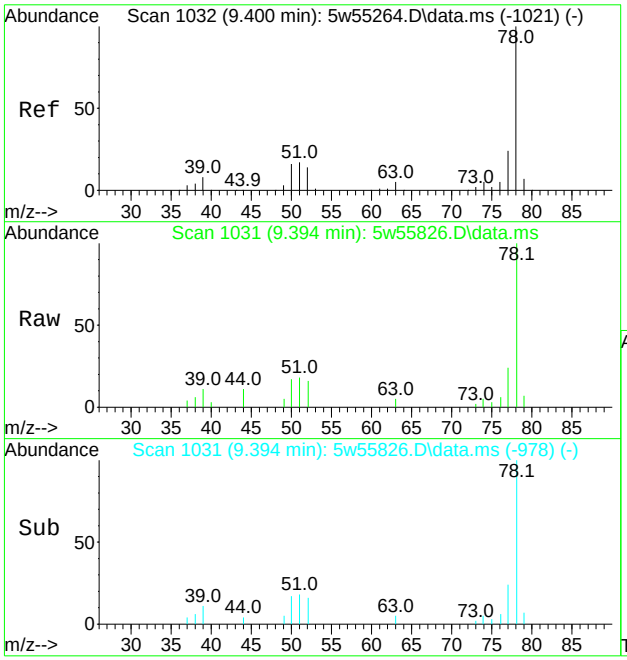


#47
2,4-DIMETHYLPENTANE
Concen: 0.1015 PPBV
RT: 8.666 min Scan# 912
Delta R.T. -0.000 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 57 Resp: 3784

Ion	Ratio	Lower	Upper
57	100		
56	69.1	26.4	86.4
85	26.3	0.0	56.0

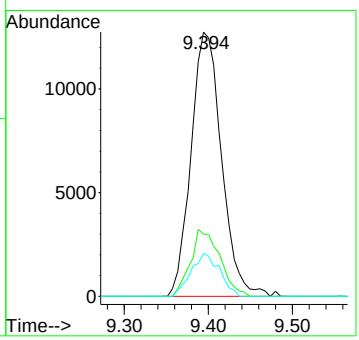


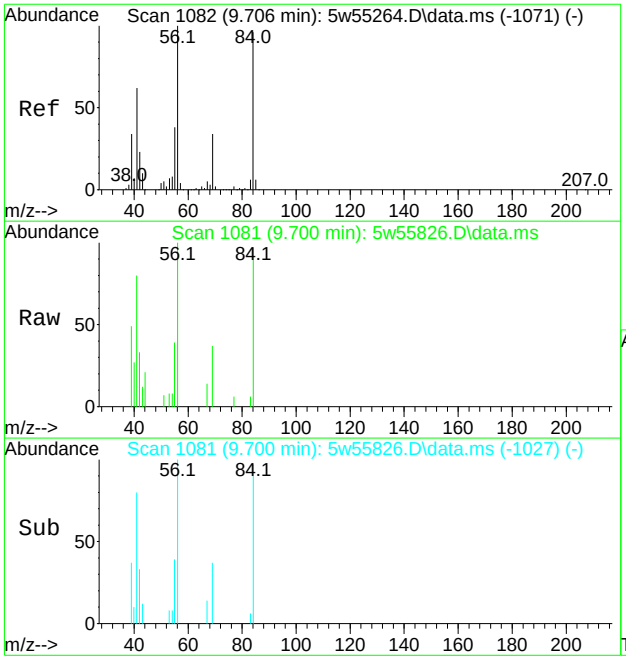


#52
BENZENE
Concen: 0.4122 PPBV
RT: 9.394 min Scan# 1031
Delta R.T. -0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 78 Resp: 32183

Ion	Ratio	Lower	Upper
78	100		
77	24.3	0.0	54.0
52	15.2	0.0	45.6

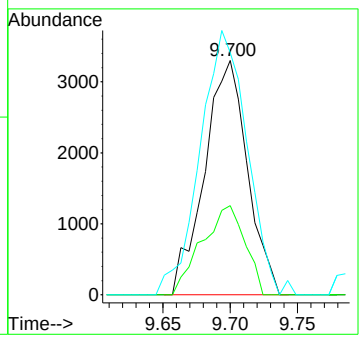


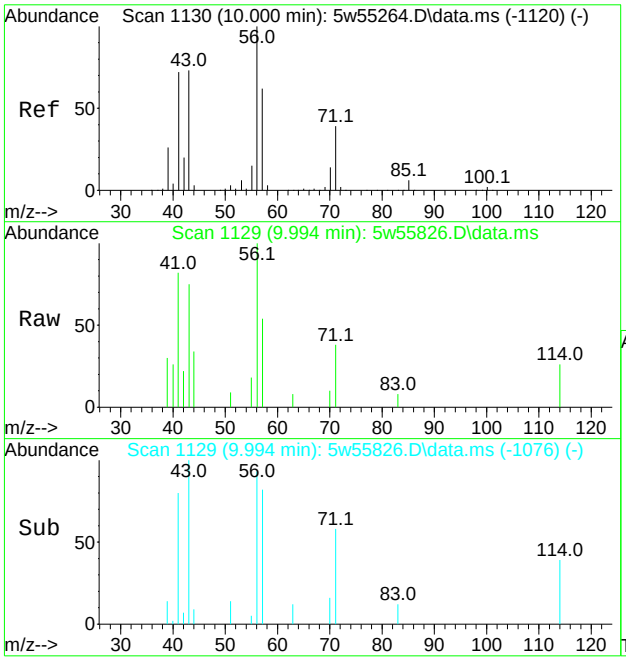


#53
CYCLOHEXANE
Concen: 0.2500 PPBV
RT: 9.700 min Scan# 1081
Delta R.T. -0.000 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 84 Resp: 7334

Ion	Ratio	Lower	Upper
84	100		
69	38.0	7.0	67.0
56	123.5	86.5	146.5

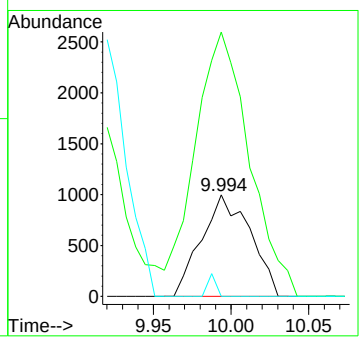


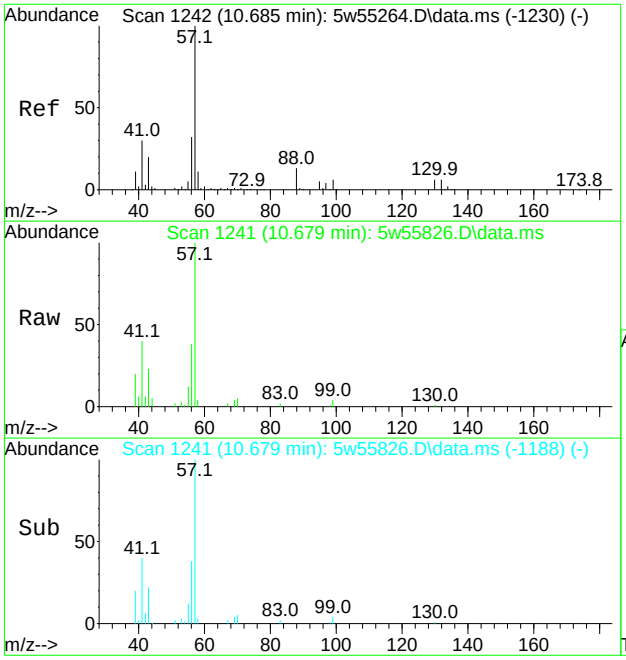


#54
2,3-DIMETHYLPENTANE
Concen: 0.1374 PPBV
RT: 9.994 min Scan# 1129
Delta R.T. -0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 71 Resp: 2176

Ion	Ratio	Lower	Upper
71	100		
56	289.2	235.4	295.4
85	0.0	0.0	45.3

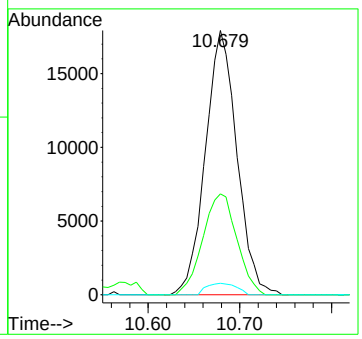


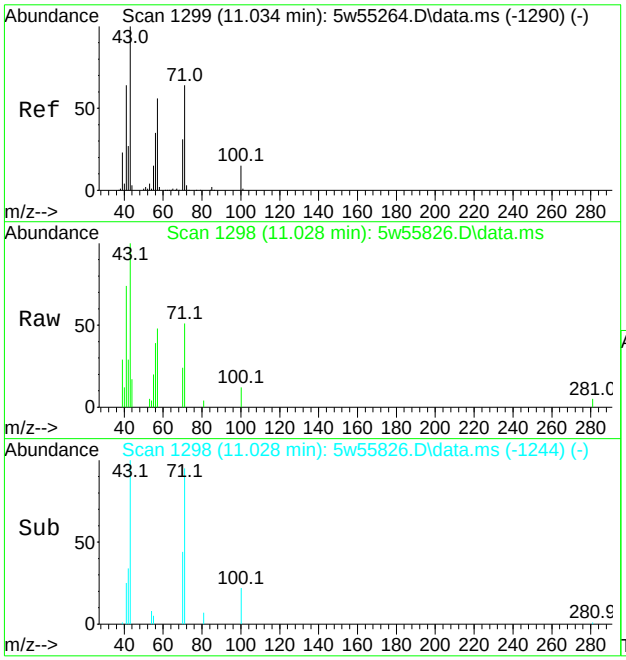


#60
2,2,4-TRIMETHYLPENTANE
Concen: 0.3615 PPBV
RT: 10.679 min Scan# 1241
Delta R.T. -0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 57 Resp: 42861

Ion	Ratio	Lower	Upper
57	100		
56	41.2	2.2	62.2
99	4.1	0.0	37.6

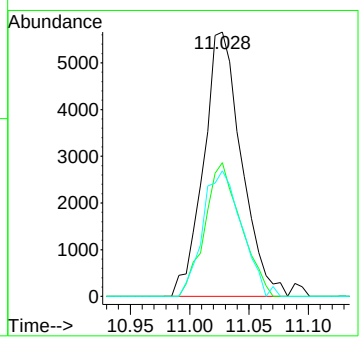


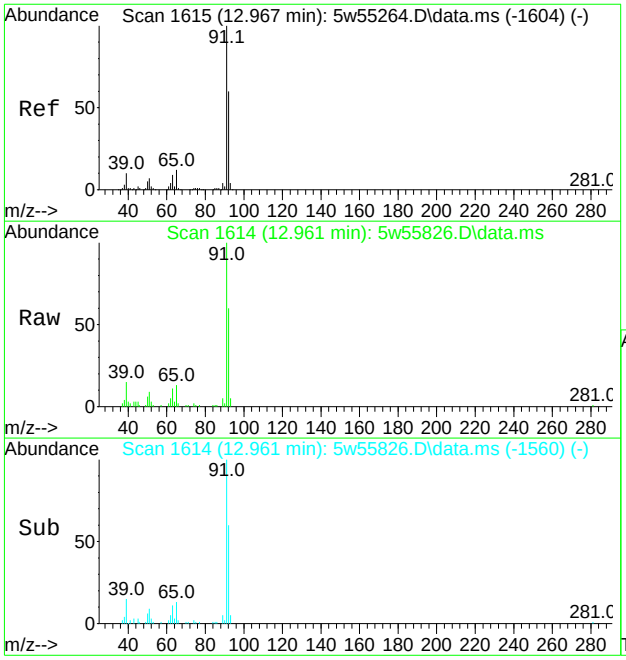


#62
HEPTANE
Concen: 0.3032 PPBV
RT: 11.028 min Scan# 1298
Delta R.T. -0.000 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 43 Resp: 12558

Ion	Ratio	Lower	Upper
43	100		
71	48.0	27.2	87.2
57	48.7	22.5	82.5

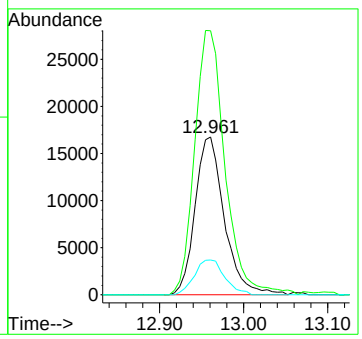


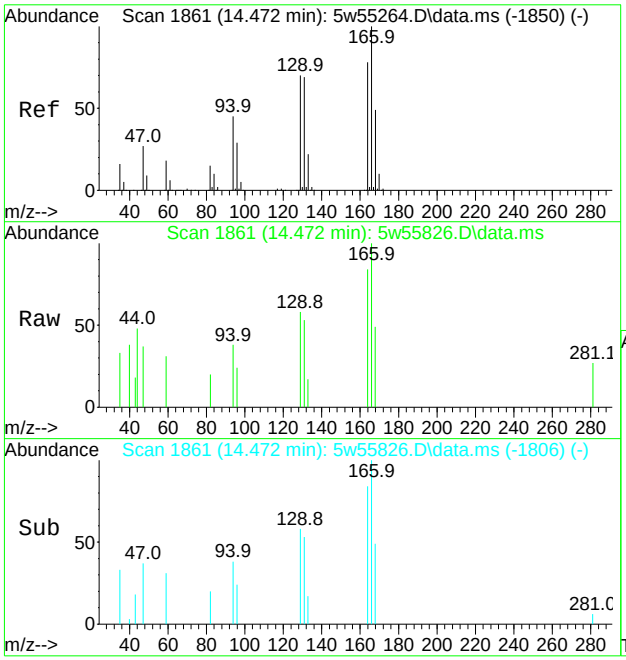


#66
TOLUENE
Concen: 0.7412 PPBV
RT: 12.961 min Scan# 1614
Delta R.T. -0.000 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 92 Resp: 40482

Ion	Ratio	Lower	Upper
92	100		
91	174.0	143.4	203.4
65	22.9	0.0	53.8

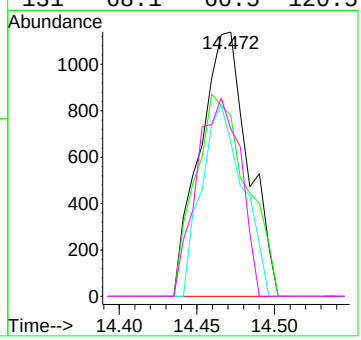


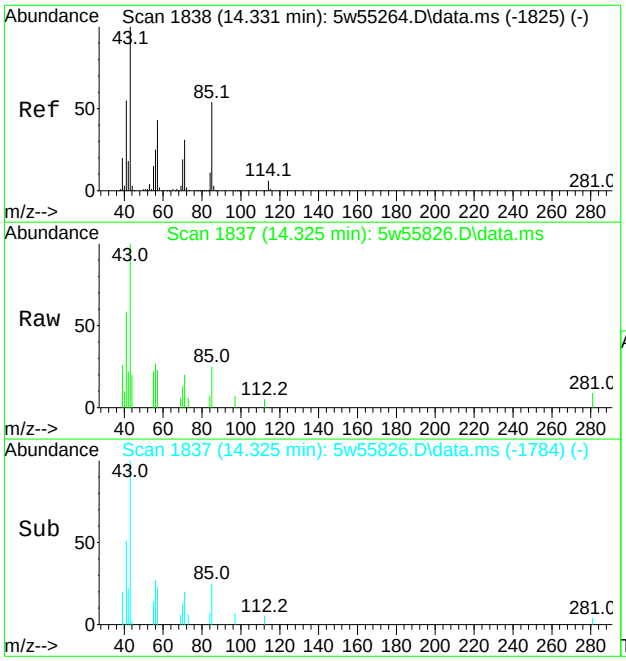


#73
TETRACHLOROETHYLENE
Concen: 0.0609 PPBV
RT: 14.472 min Scan# 1861
Delta R.T. 0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion:164 Resp: 2473

Ion	Ratio	Lower	Upper
164	100		
129	81.1	64.4	124.4
168	62.3	31.2	91.2
131	68.1	60.5	120.5

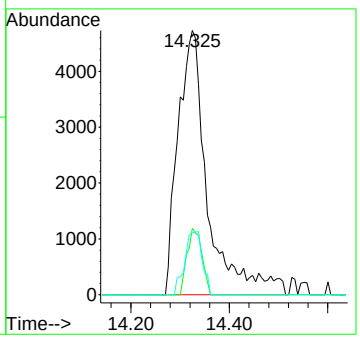


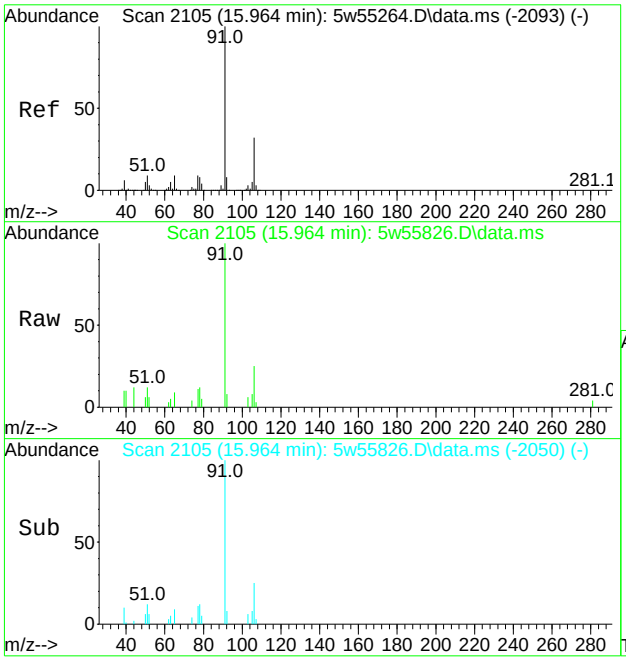


#76
OCTANE
Concen: 0.3622 PPBV
RT: 14.325 min Scan# 1837
Delta R.T. -0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 43 Resp: 19766

Ion	Ratio	Lower	Upper
43	100		
85	12.6	13.7	73.7#
57	14.3	9.9	69.9

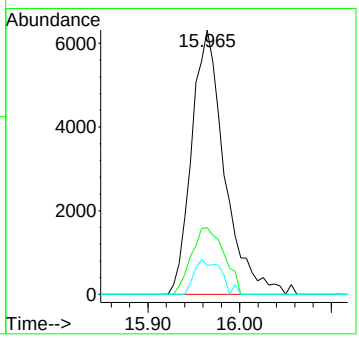


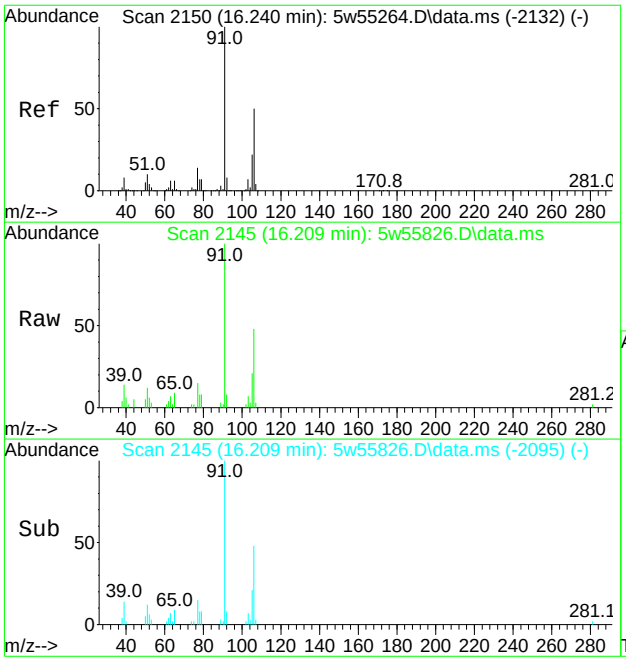


#79
ETHYLBENZENE
Concen: 0.1374 PPBV
RT: 15.964 min Scan# 2105
Delta R.T. 0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 91 Resp: 15737

Ion	Ratio	Lower	Upper
91	100		
106	25.2	0.0	59.9
77	10.5	0.0	39.1

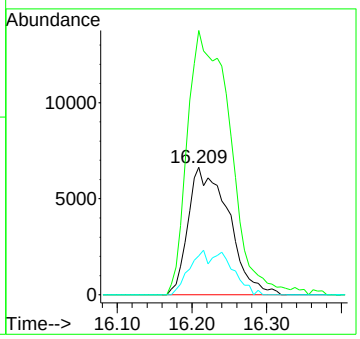


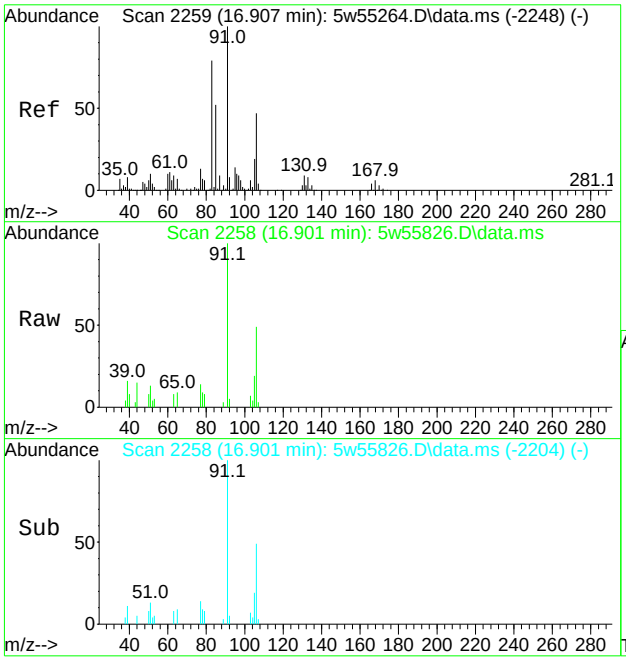


#80
m,p-XYLENE
Concen: 0.5735 PPBV
RT: 16.209 min Scan# 2145
Delta R.T. -0.025 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion:106 Resp: 24925

Ion	Ratio	Lower	Upper
106	100		
91	207.1	181.2	241.2
77	30.6	0.1	60.1

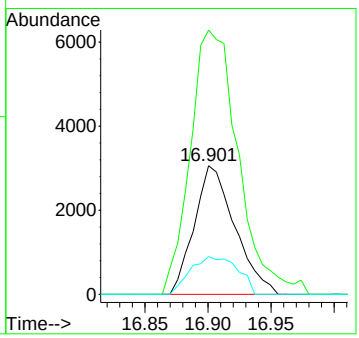


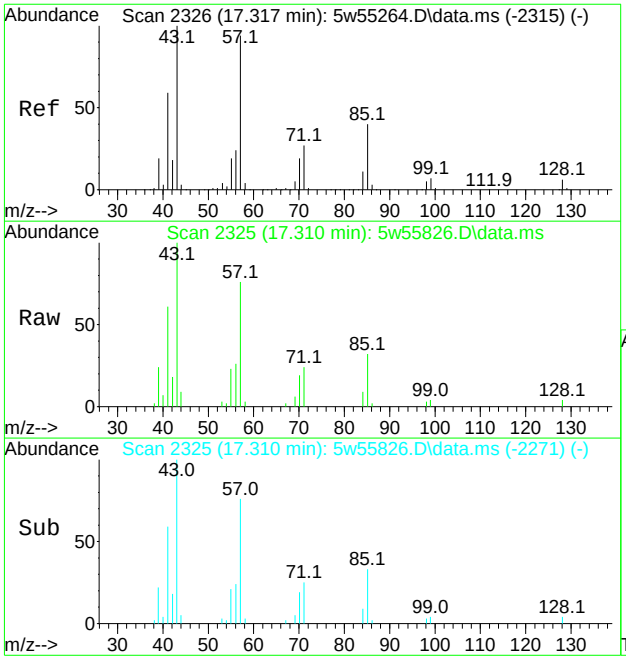


#81
o-XYLENE
Concen: 0.1621 PPBV
RT: 16.901 min Scan# 2258
Delta R.T. -0.000 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion:106 Resp: 6839

Ion	Ratio	Lower	Upper
106	100		
91	243.0	193.4	253.4
77	34.1	0.0	59.8

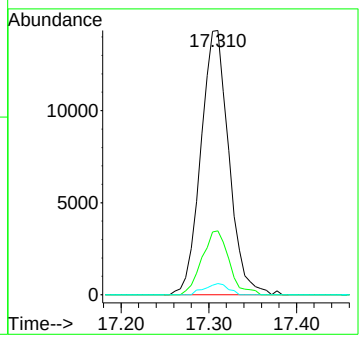


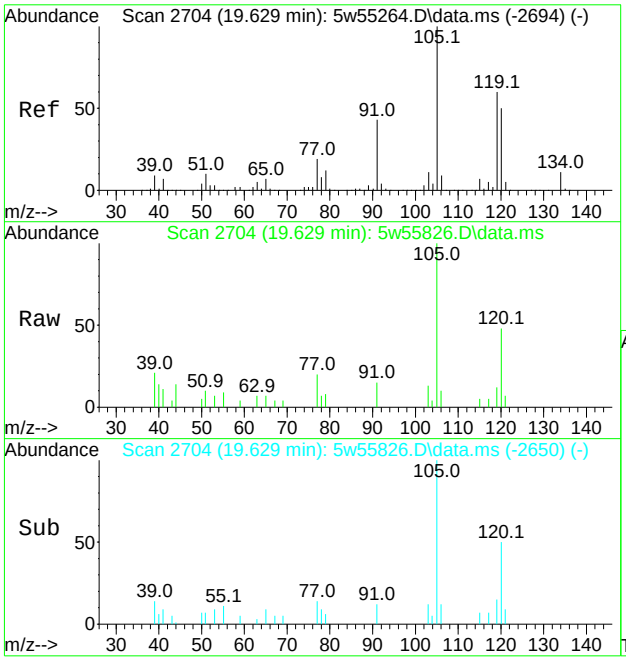


#83
NONANE
Concen: 0.5601 PPBV
RT: 17.310 min Scan# 2325
Delta R.T. -0.000 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 43 Resp: 31896

Ion	Ratio	Lower	Upper
43	100		
71	23.4	0.0	53.8
128	3.6	0.0	34.3

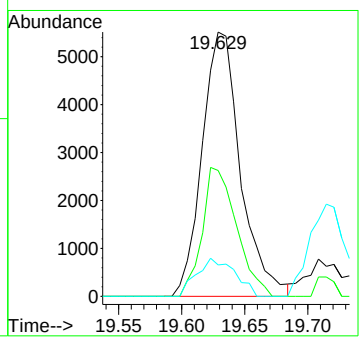


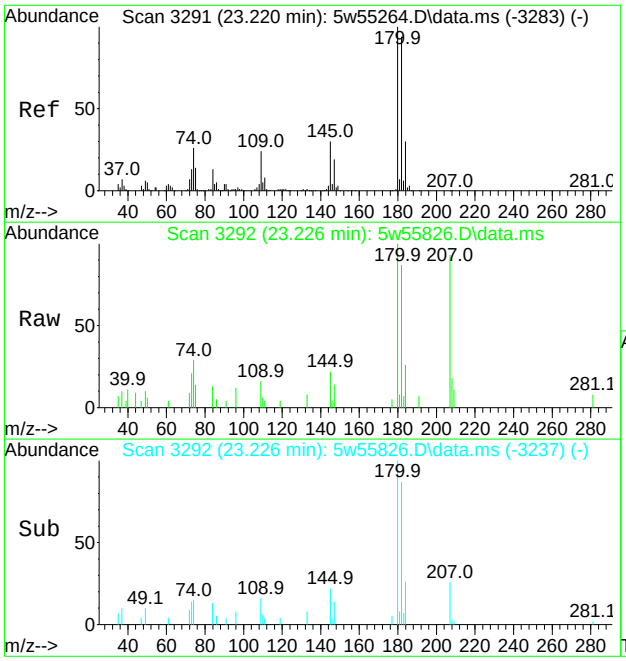


#96
1,2,4-TRIMETHYLBENZENE
Concen: 0.1080 PPBV
RT: 19.629 min Scan# 2704
Delta R.T. -0.000 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion:105 Resp: 11668

Ion	Ratio	Lower	Upper
105	100		
120	43.6	22.6	82.6
119	14.3	69.7	129.7#

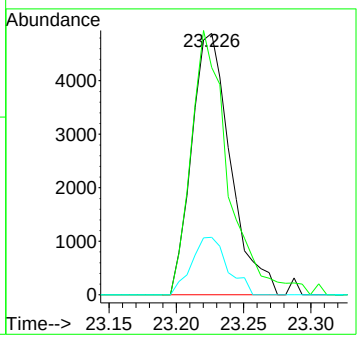


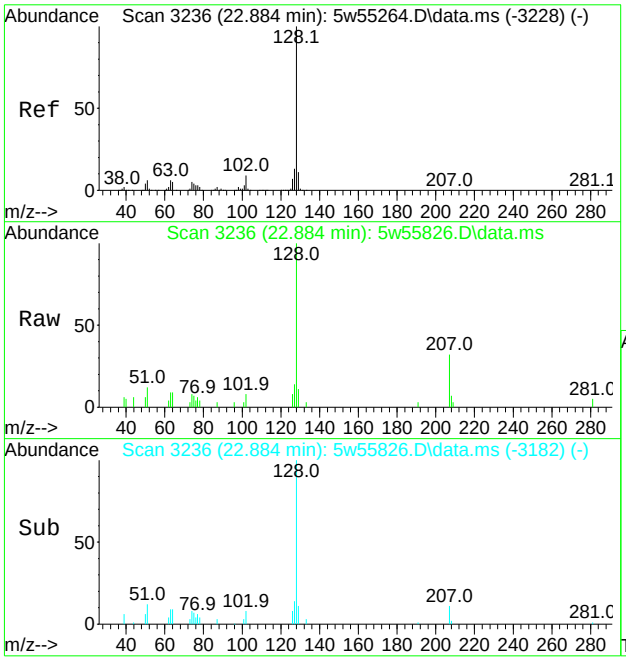


#107
1,2,4-TRICHLOROBENZENE
Concen: 0.1428 PPBV
RT: 23.226 min Scan# 3292
Delta R.T. 0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion:180 Resp: 9822

Ion	Ratio	Lower	Upper
180	100		
182	97.5	66.4	126.4
145	20.4	0.2	60.2

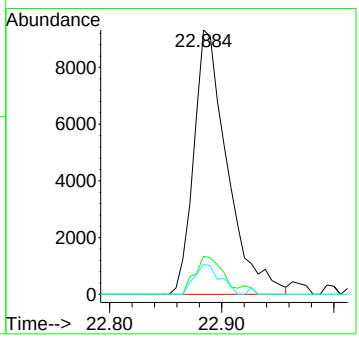




#108
NAPHTHALENE
Concen: 0.1282 PPBV
RT: 22.884 min Scan# 3236
Delta R.T. -0.000 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion:128 Resp: 19361

Ion	Ratio	Lower	Upper
128	100		
127	13.0	0.0	43.1
129	8.7	0.0	41.1



Quantitation Report (QT Reviewed)

Data Path : R:\MSAIR\Done\2025\January\07 Jan 2025\V7W414\
Data File : 7w11549.D
Acq On : 7 Jan 2025 6:24 am
Operator : benk
Sample : je2792-5dup Inst : MS7W
Misc : MS88386,v7w414,400,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 07 21:20:51 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

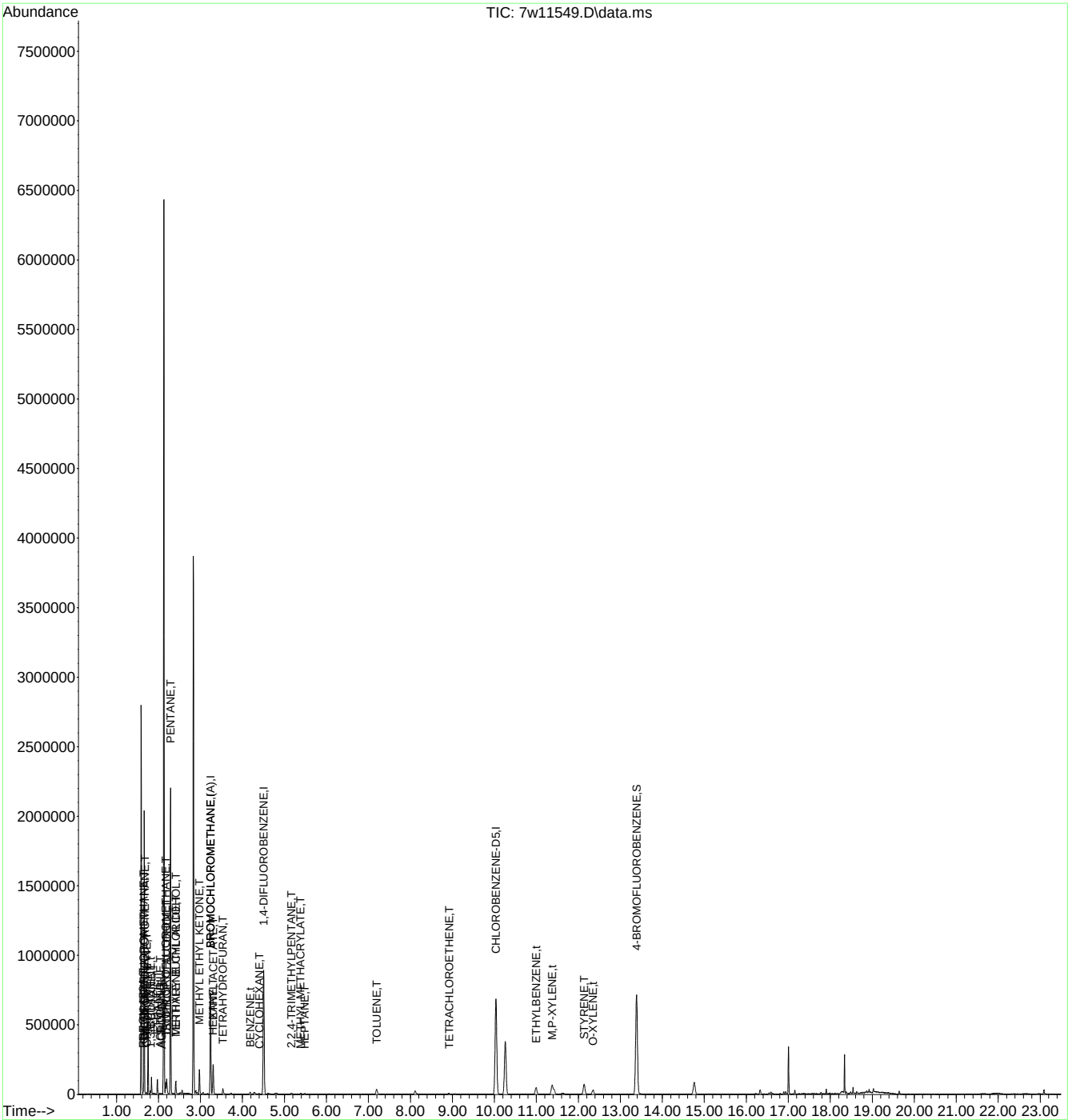
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.239	128	128913	10.00	PPBV	0.01
52) 1,4-DIFLUOROBENZENE	4.506	114	624851	10.00	PPBV	0.01
76) CHLOROBENZENE-D5	10.039	117	594741	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.239	128	128895	10.00	PPBV	0.01
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.386	95	438350	10.16	PPBV	0.00
Target Compounds						Qvalue
3) FREON 152A	1.631	65	1970	0.3209	PPBV	89
4) CHLORODIFLUOROMETHANE	1.644	67	1769	0.5676	PPBV #	1
6) DICHLORODIFLUOROMETHANE	1.673	85	12834	0.3993	PPBV	95
10) CHLOROMETHANE	1.715	52	2055	0.6159	PPBV	96
12) 1,3-BUTADIENE	1.818	54	1079	0.1174	PPBV #	1
13) N-BUTANE	1.834	43	51553	3.0835	PPBV #	94
17) ACETONITRILE	2.036	41	2855	0.2755	PPBV #	89
18) ACROLEIN	2.078	56	1467	0.2696	PPBV	93
21) TRICHLOROFLUOROMETHANE	2.171	101	38870	1.3732	PPBV	100
22) ISOPROPYL ALCOHOL	2.194	45	77921	3.2628	PPBV	98
24) PENTANE	2.287	42	469754	40.9500	PPBV	97
28) ETHANOL	1.975	45	58560	8.9574	PPBV	100
31) METHYLENE CHLORIDE	2.412	84	17247	1.6903	PPBV	89
35) TERTIARY BUTYL ALCOHOL	2.409	59	7207	0.2624	PPBV #	1
37) TETRAHYDROFURAN	3.531	72	7348	1.4250	PPBV	79
38) HEXANE	3.290	57	6385	0.3007	PPBV	99
41) METHYL ETHYL KETONE	2.975	72	29058	5.0736	PPBV	81
44) ETHYL ACETATE	3.303	61	21867	5.3756	PPBV #	1
51) BENZENE	4.184	78	11857	0.3444	PPBV	95
53) CYCLOHEXANE	4.396	84	1515	0.1026	PPBV #	47
60) 2,2,4-TRIMETHYLPENTANE	5.162	57	7902	0.1315	PPBV	88
62) HEPTANE	5.483	43	2781	0.1317	PPBV	83
63) METHYL METHACRYLATE	5.383	69	2557	0.1884	PPBV	81
66) TOLUENE	7.197	91	33768	0.7648	PPBV	100
72) TETRACHLOROETHENE	8.920	164	2447	0.1463	PPBV	100
79) ETHYLBENZENE	10.994	91	58438	0.9976	PPBV	98
80) M,P-XYLENE	11.377	91	96447	2.1003	PPBV	60
81) O-XYLENE	12.345	91	30892	0.6698	PPBV	96
82) STYRENE	12.136	104	62357	1.8879	PPBV	99

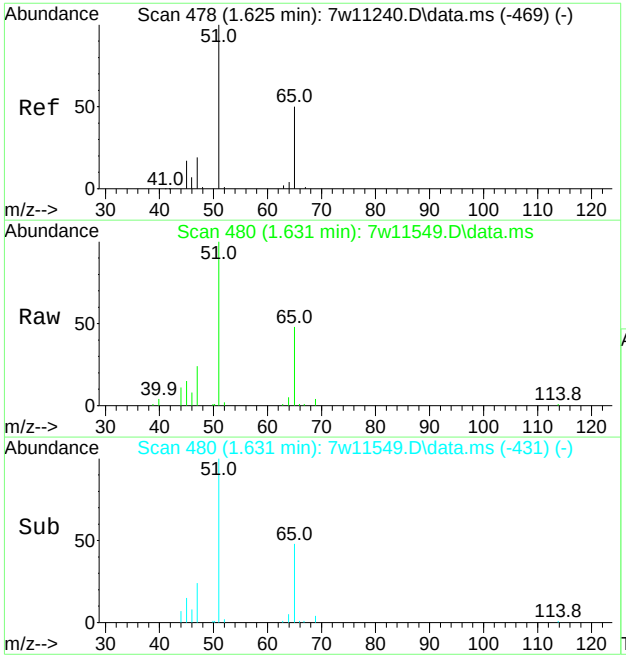
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : R:\MSAIR\Done\2025\January\07 Jan 2025\V7W414\
Data File : 7w11549.D
Acq On : 7 Jan 2025 6:24 am
Operator : benk
Sample : je2792-5dup Inst : MS7W
Misc : MS88386,v7w414,400,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 07 21:20:51 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

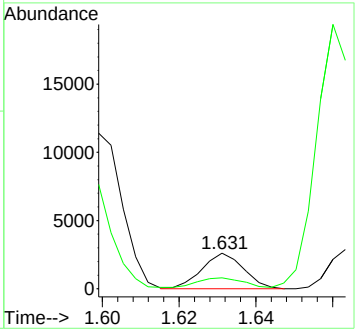


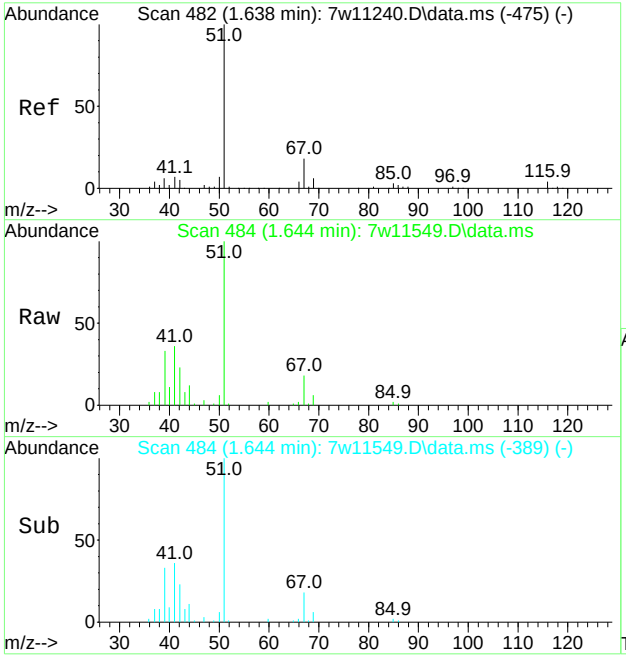


#3
FREON 152A
Concen: 0.3209 PPBV
RT: 1.631 min Scan# 480
Delta R.T. 0.006 min
Lab File: 7w11549.D
Acq: 7 Jan 2025 6:24 am

Tgt Ion: 65 Resp: 1970

Ion	Ratio	Lower	Upper
65	100		
45	27.6	23.5	43.7

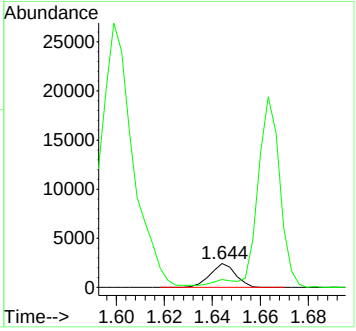


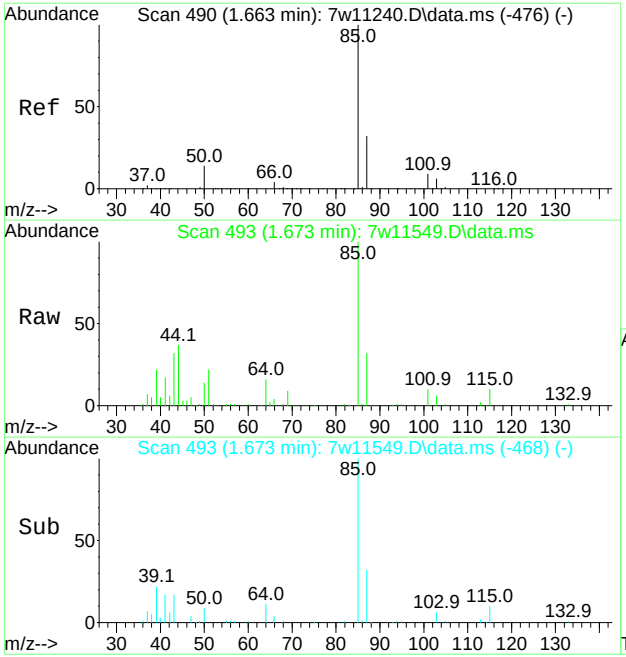


#4
CHLORODIFLUOROMETHANE
Concen: 0.5676 PPBV
RT: 1.644 min Scan# 484
Delta R.T. 0.006 min
Lab File: 7w11549.D
Acq: 7 Jan 2025 6:24 am

Tgt Ion: 67 Resp: 1769

Ion	Ratio	Lower	Upper
67	100		
69	720.2	24.4	45.4#

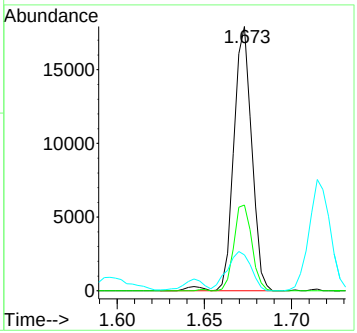


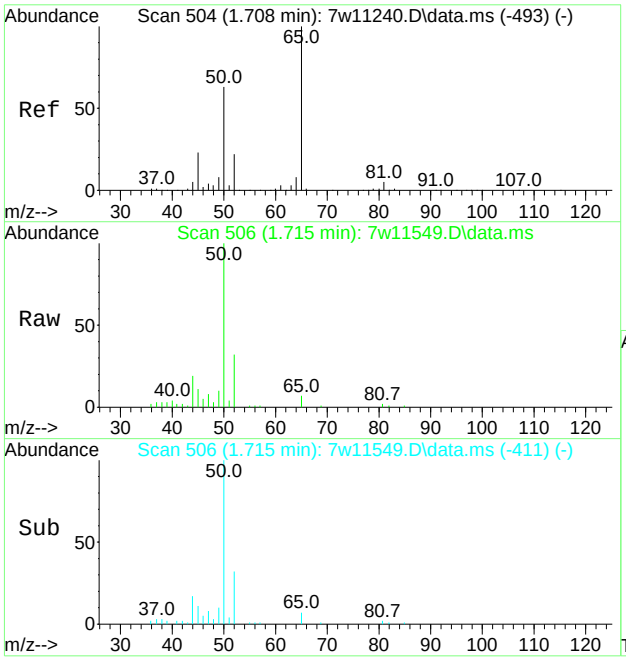


#6
DICHLORODIFLUOROMETHANE
Concen: 0.3993 PPBV
RT: 1.673 min Scan# 493
Delta R.T. 0.010 min
Lab File: 7w11549.D
Acq: 7 Jan 2025 6:24 am

Tgt Ion: 85 Resp: 12834

Ion	Ratio	Lower	Upper
85	100		
87	32.7	22.5	41.7
50	24.7	13.8	25.6

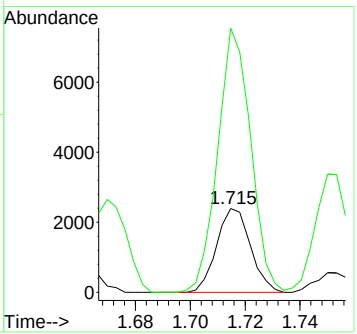


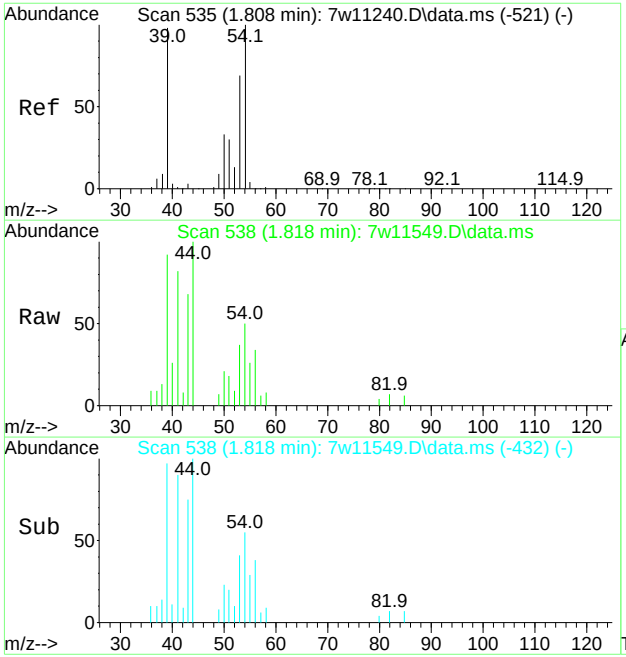


#10
CHLOROMETHANE
Concen: 0.6159 PPBV
RT: 1.715 min Scan# 506
Delta R.T. 0.007 min
Lab File: 7w11549.D
Acq: 7 Jan 2025 6:24 am

Tgt Ion: 52 Resp: 2055

Ion	Ratio	Lower	Upper
52	100		
50	306.5	220.1	408.8

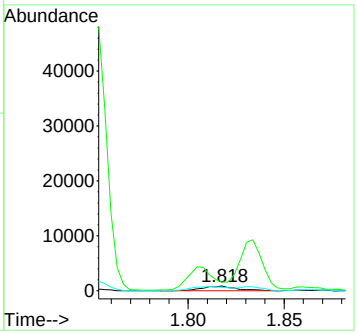


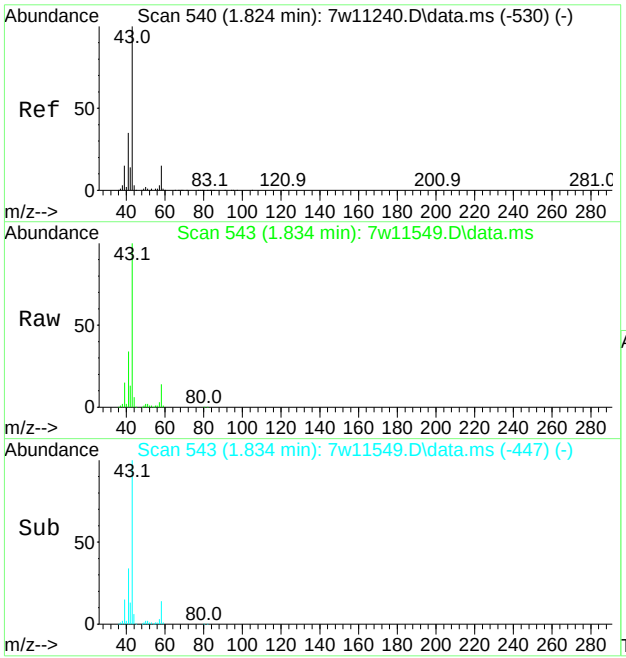


#12
1,3-BUTADIENE
Concen: 0.1174 PPBV
RT: 1.818 min Scan# 538
Delta R.T. 0.010 min
Lab File: 7w11549.D
Acq: 7 Jan 2025 6:24 am

Tgt Ion: 54 Resp: 1079

Ion	Ratio	Lower	Upper
54	100		
39	799.9	98.3	158.3#
53	157.0	41.0	101.0#

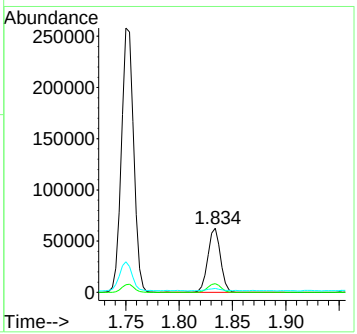


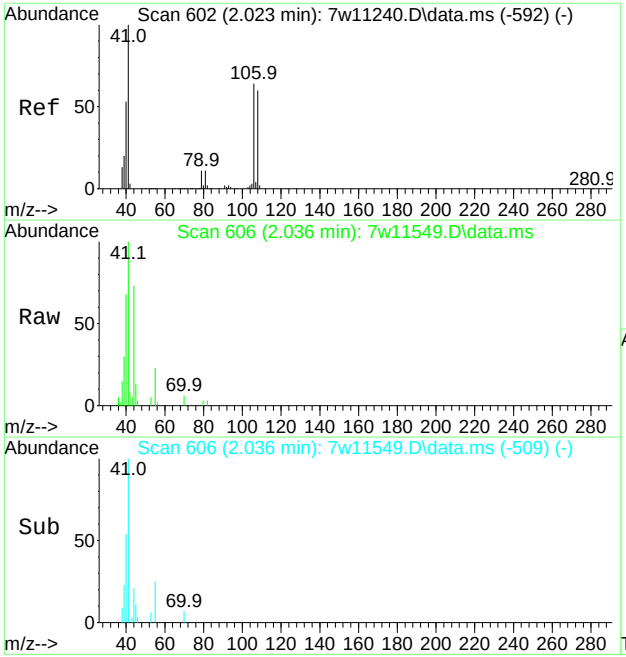


#13
N-BUTANE
Concen: 3.0835 PPBV
RT: 1.834 min Scan# 543
Delta R.T. 0.010 min
Lab File: 7w11549.D
Acq: 7 Jan 2025 6:24 am

Tgt Ion: 43 Resp: 51553

Ion	Ratio	Lower	Upper
43	100		
58	14.1	10.4	19.2
44	11.8	3.0	5.6#

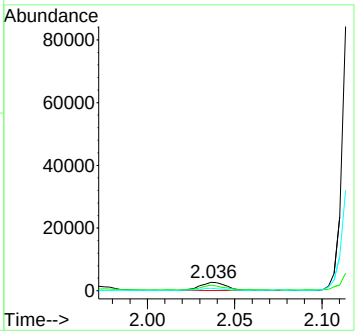


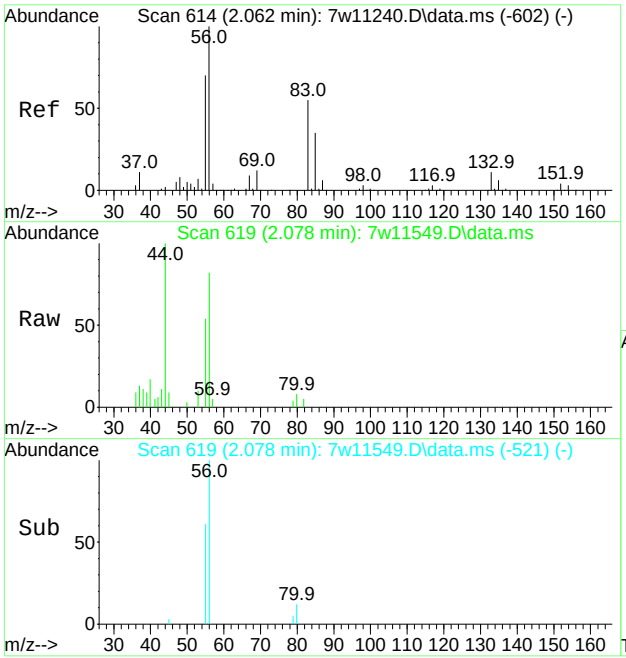


#17
ACETONITRILE
Concen: 0.2755 PPBV
RT: 2.036 min Scan# 606
Delta R.T. 0.013 min
Lab File: 7w11549.D
Acq: 7 Jan 2025 6:24 am

Tgt Ion: 41 Resp: 2855

Ion	Ratio	Lower	Upper
41	100		
40	62.0	37.9	70.5
39	25.7	13.8	25.6#

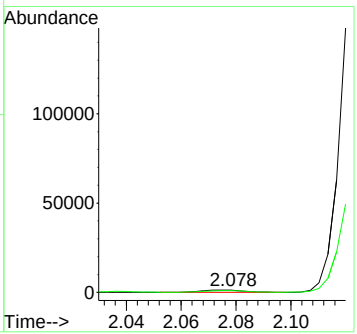


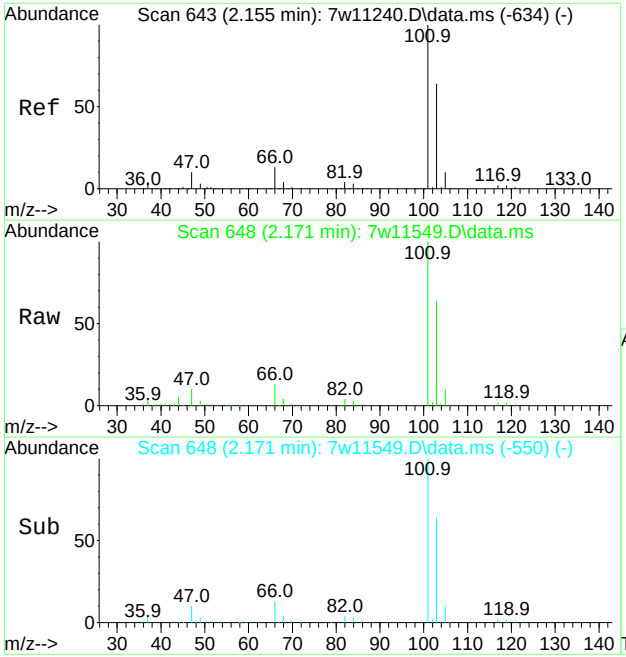


#18
ACROLEIN
Concen: 0.2696 PPBV
RT: 2.078 min Scan# 619
Delta R.T. 0.016 min
Lab File: 7w11549.D
Acq: 7 Jan 2025 6:24 am

Tgt Ion: 56 Resp: 1467

Ion	Ratio	Lower	Upper
56	100		
55	77.8	50.3	93.3

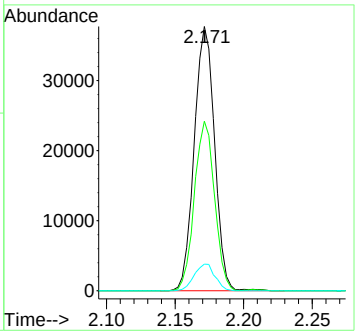


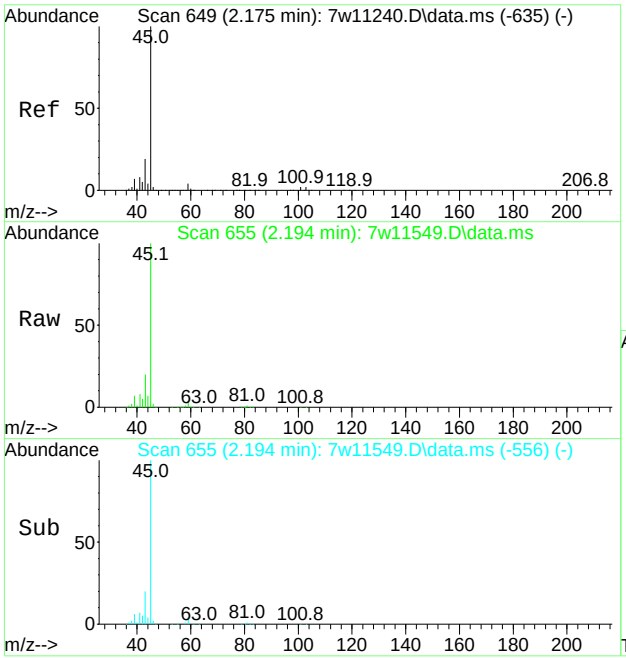


#21
TRICHLOROFLUOROMETHANE
Concen: 1.3732 PPBV
RT: 2.171 min Scan# 648
Delta R.T. 0.016 min
Lab File: 7w11549.D
Acq: 7 Jan 2025 6:24 am

Tgt Ion:101 Resp: 38870

Ion	Ratio	Lower	Upper
101	100		
103	63.9	44.9	83.5
105	10.3	7.3	13.5

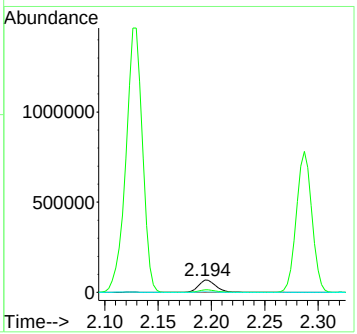


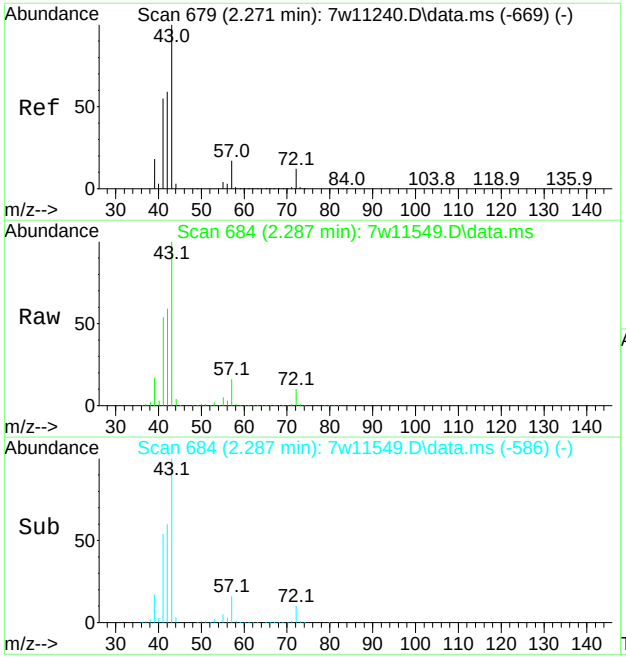


#22
ISOPROPYL ALCOHOL
Concen: 3.2628 PPBV
RT: 2.194 min Scan# 655
Delta R.T. 0.019 min
Lab File: 7w11549.D
Acq: 7 Jan 2025 6:24 am

Tgt Ion: 45 Resp: 77921

Ion	Ratio	Lower	Upper
45	100		
43	20.9	13.9	25.9
59	4.1	2.8	5.2

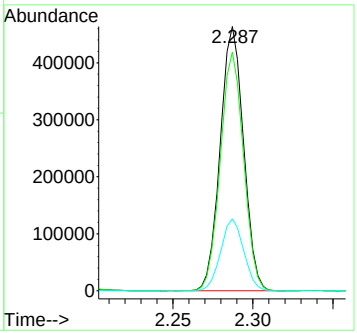


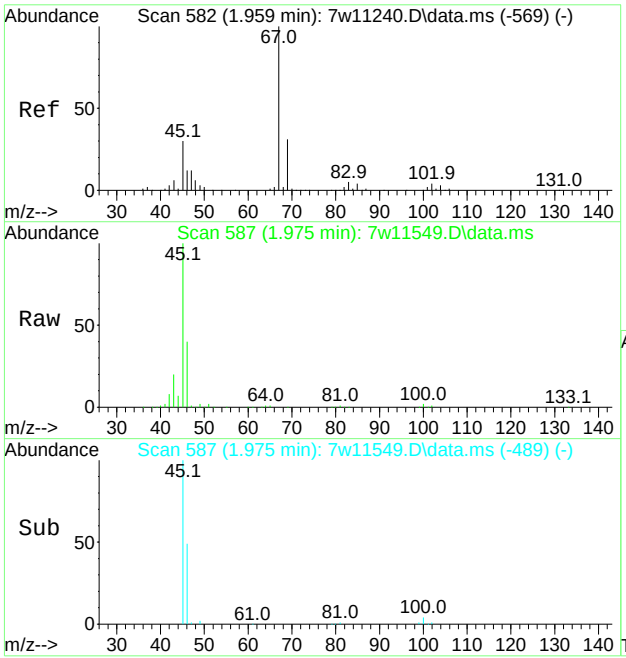


#24
PENTANE
Concen: 40.9500 PPBV
RT: 2.287 min Scan# 684
Delta R.T. 0.016 min
Lab File: 7w11549.D
Acq: 7 Jan 2025 6:24 am

Tgt Ion: 42 Resp: 469754

Ion	Ratio	Lower	Upper
42	100		
41	90.0	64.8	120.3
57	26.9	19.7	36.7

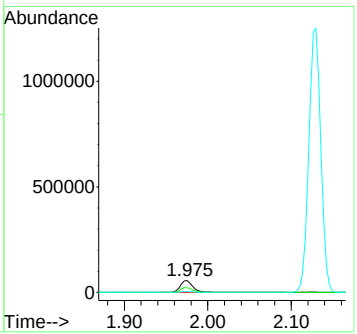


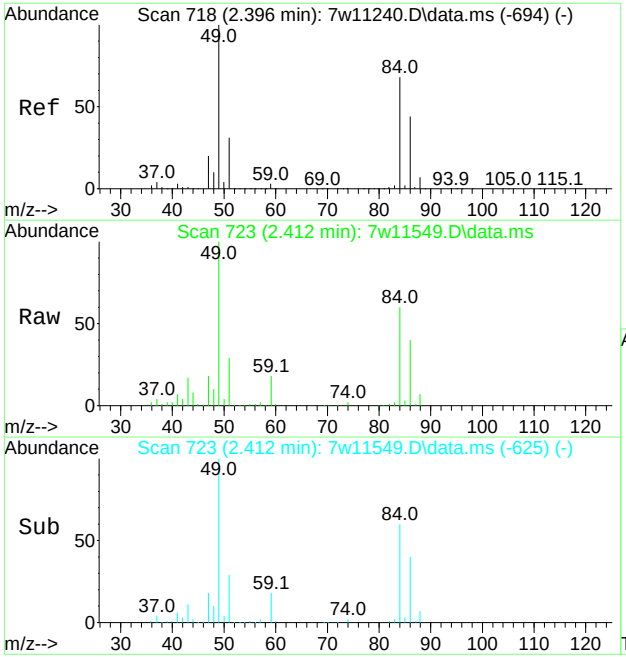


#28
ETHANOL
Concen: 8.9574 PPBV
RT: 1.975 min Scan# 587
Delta R.T. 0.016 min
Lab File: 7w11549.D
Acq: 7 Jan 2025 6:24 am

Tgt Ion: 45 Resp: 58560

Ion	Ratio	Lower	Upper
45	100		
46	40.6	28.6	53.0
42	8.8	6.3	11.7

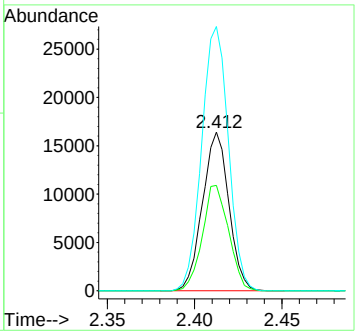


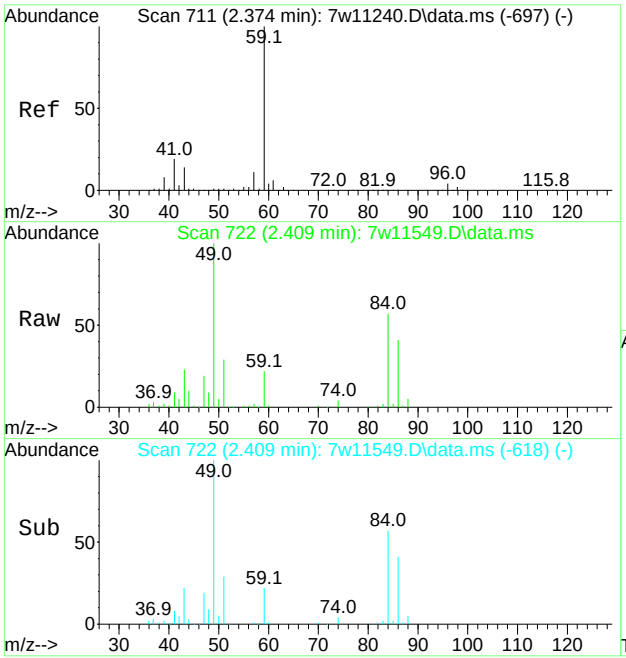


#31
METHYLENE CHLORIDE
Concen: 1.6903 PPBV
RT: 2.412 min Scan# 723
Delta R.T. 0.016 min
Lab File: 7w11549.D
Acq: 7 Jan 2025 6:24 am

Tgt Ion: 84 Resp: 17247

Ion	Ratio	Lower	Upper
84	100		
86	66.2	46.0	85.4
49	168.7	103.9	192.9

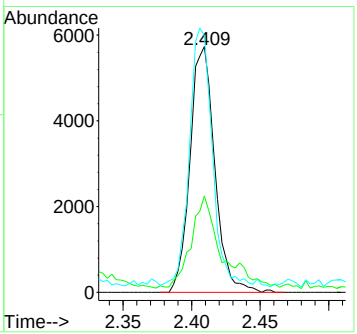


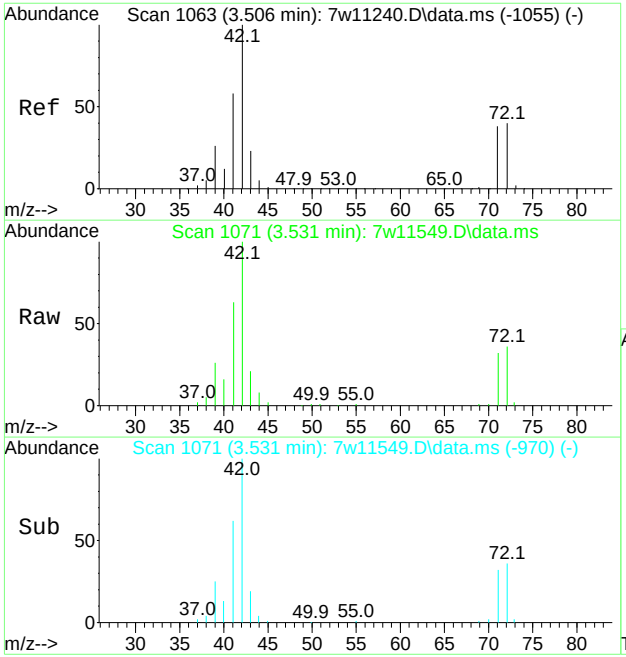


#35
TERTIARY BUTYL ALCOHOL
Concen: 0.2624 PPBV
RT: 2.409 min Scan# 722
Delta R.T. 0.035 min
Lab File: 7w11549.D
Acq: 7 Jan 2025 6:24 am

Tgt Ion: 59 Resp: 7207

Ion	Ratio	Lower	Upper
59	100		
41	47.1	14.3	26.5#
43	95.7	9.9	18.5#

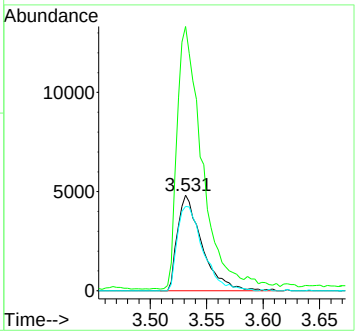


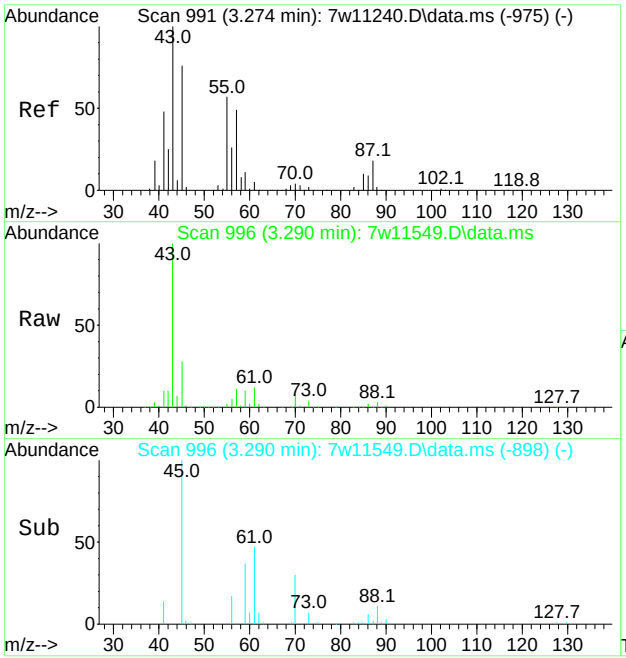


#37
TETRAHYDROFURAN
Concen: 1.4250 PPBV
RT: 3.531 min Scan# 1071
Delta R.T. 0.025 min
Lab File: 7w11549.D
Acq: 7 Jan 2025 6:24 am

Tgt Ion: 72 Resp: 7348

Ion	Ratio	Lower	Upper
72	100		
42	297.6	174.9	324.9
71	92.0	67.2	124.8

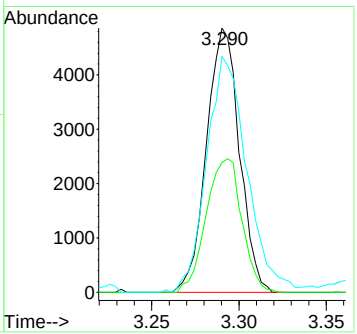


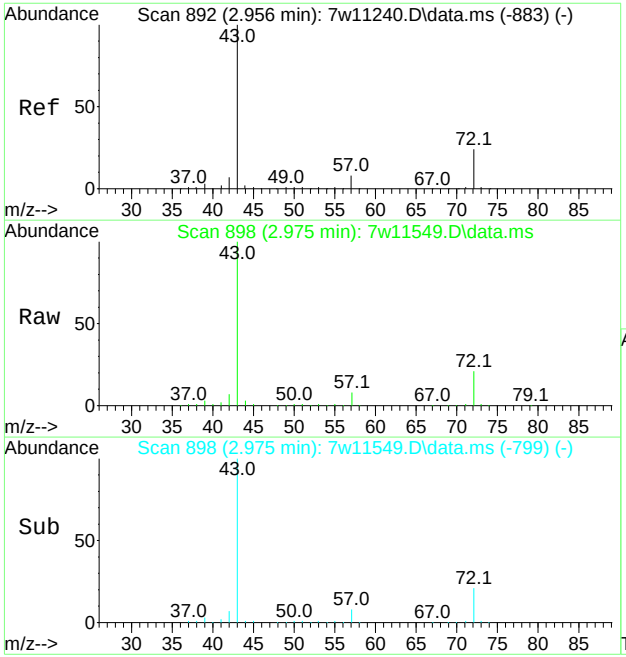


#38
HEXANE
Concen: 0.3007 PPBV
RT: 3.290 min Scan# 996
Delta R.T. 0.016 min
Lab File: 7w11549.D
Acq: 7 Jan 2025 6:24 am

Tgt Ion: 57 Resp: 6385

Ion	Ratio	Lower	Upper
57	100		
56	54.8	37.8	70.2
41	110.2	75.9	140.9

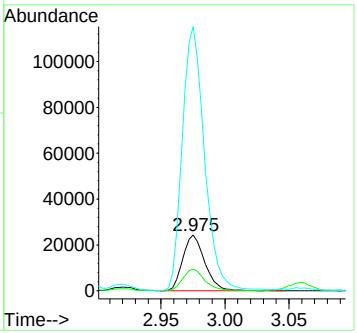


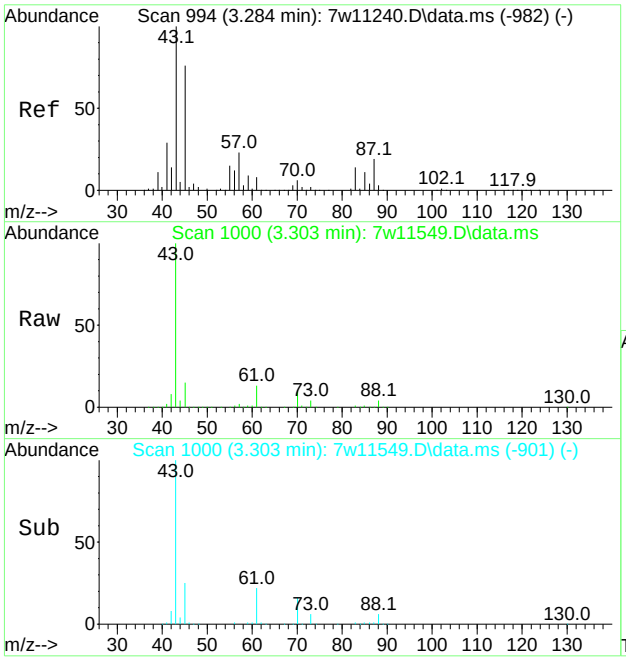


#41
METHYL ETHYL KETONE
Concen: 5.0736 PPBV
RT: 2.975 min Scan# 898
Delta R.T. 0.019 min
Lab File: 7w11549.D
Acq: 7 Jan 2025 6:24 am

Tgt Ion: 72 Resp: 29058

Ion	Ratio	Lower	Upper
72	100		
57	39.4	25.3	46.9
43	477.1	299.6	556.4

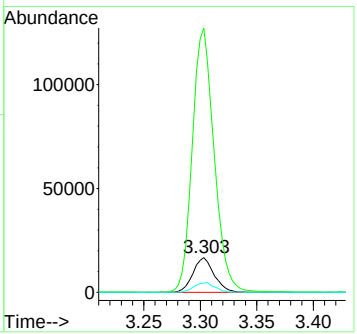


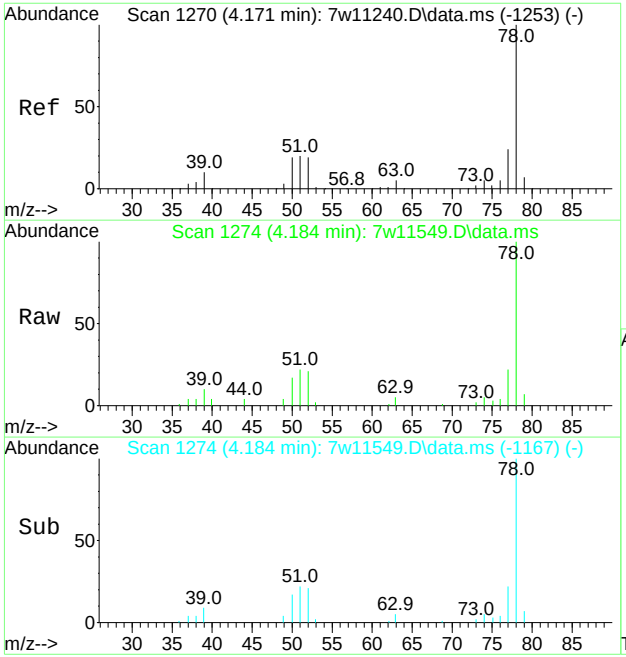


#44
ETHYL ACETATE
Concen: 5.3756 PPBV
RT: 3.303 min Scan# 1000
Delta R.T. 0.019 min
Lab File: 7w11549.D
Acq: 7 Jan 2025 6:24 am

Tgt Ion: 61 Resp: 21867

Ion	Ratio	Lower	Upper
61	100		
43	780.1	1005.1	1866.5#
88	28.2	29.3	54.5#

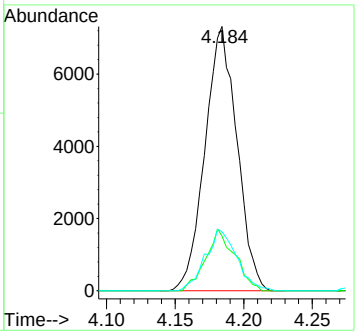


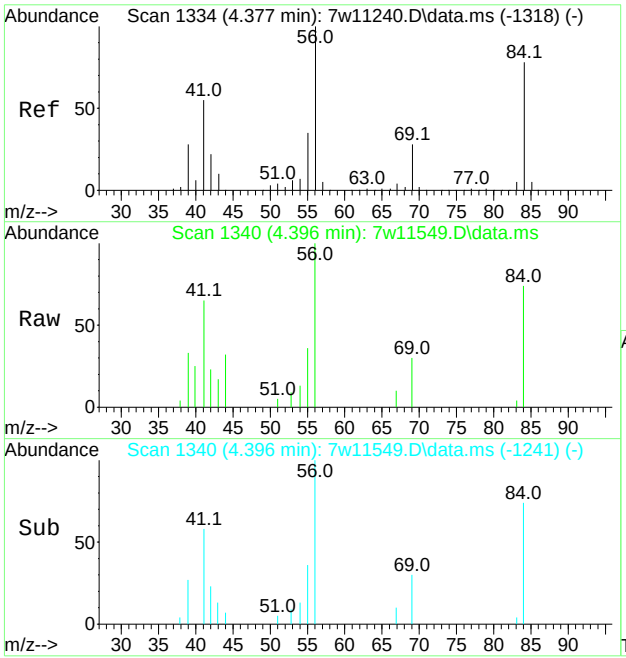


#51
BENZENE
Concen: 0.3444 PPBV
RT: 4.184 min Scan# 1274
Delta R.T. 0.013 min
Lab File: 7w11549.D
Acq: 7 Jan 2025 6:24 am

Tgt Ion: 78 Resp: 11857

Ion	Ratio	Lower	Upper
78	100		
52	21.2	0.0	48.9
51	22.7	0.0	50.2

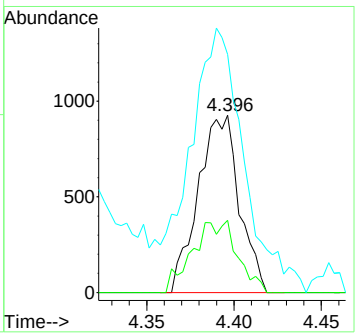


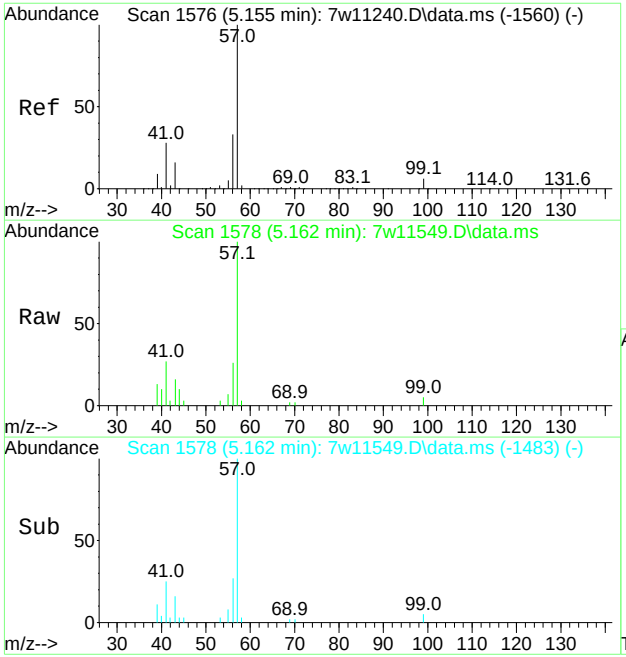


#53
CYCLOHEXANE
Concen: 0.1026 PPBV
RT: 4.396 min Scan# 1340
Delta R.T. 0.019 min
Lab File: 7w11549.D
Acq: 7 Jan 2025 6:24 am

Tgt Ion: 84 Resp: 1515

Ion	Ratio	Lower	Upper
84	100		
69	44.2	24.8	46.0
56	201.9	89.8	166.8#

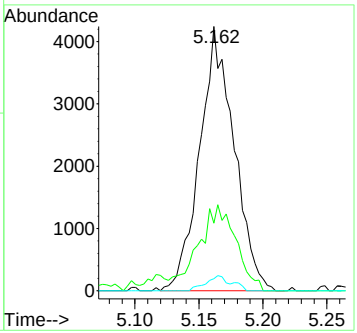


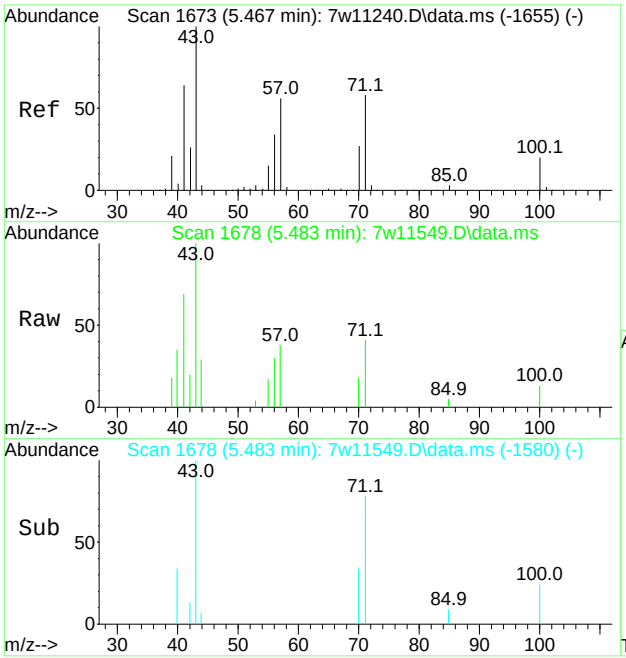


#60
2,2,4-TRIMETHYLPENTANE
Concen: 0.1315 PPBV
RT: 5.162 min Scan# 1578
Delta R.T. 0.007 min
Lab File: 7w11549.D
Acq: 7 Jan 2025 6:24 am

Tgt Ion: 57 Resp: 7902

Ion	Ratio	Lower	Upper
57	100		
56	39.8	22.7	42.1
99	4.3	3.9	7.3

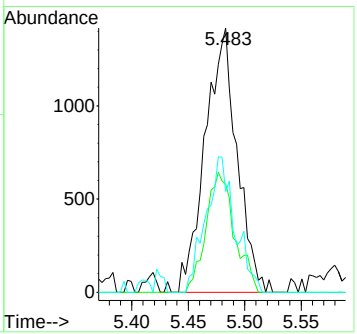


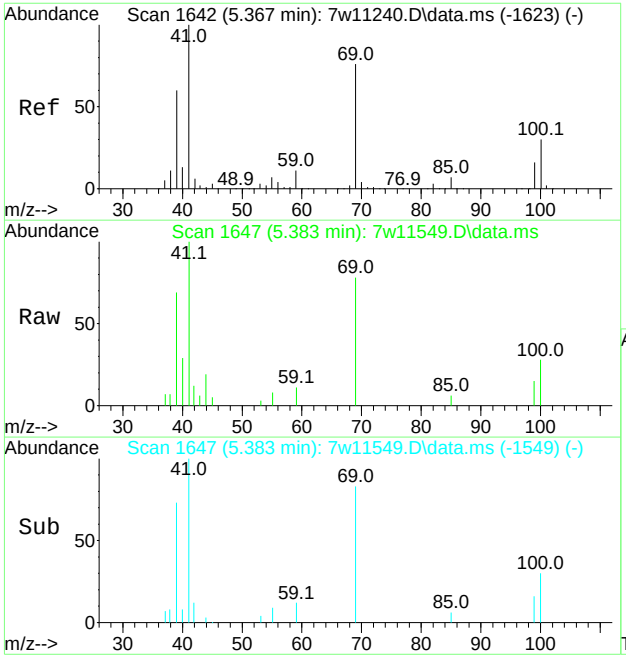


#62
HEPTANE
Concen: 0.1317 PPBV
RT: 5.483 min Scan# 1678
Delta R.T. 0.016 min
Lab File: 7w11549.D
Acq: 7 Jan 2025 6:24 am

Tgt Ion: 43 Resp: 2781

Ion	Ratio	Lower	Upper
43	100		
71	40.7	40.0	74.4
57	46.6	38.9	72.2

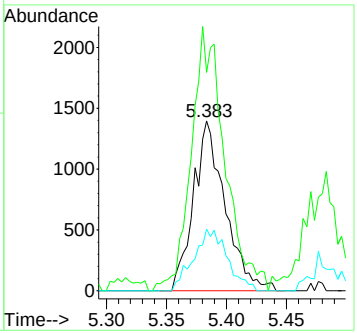


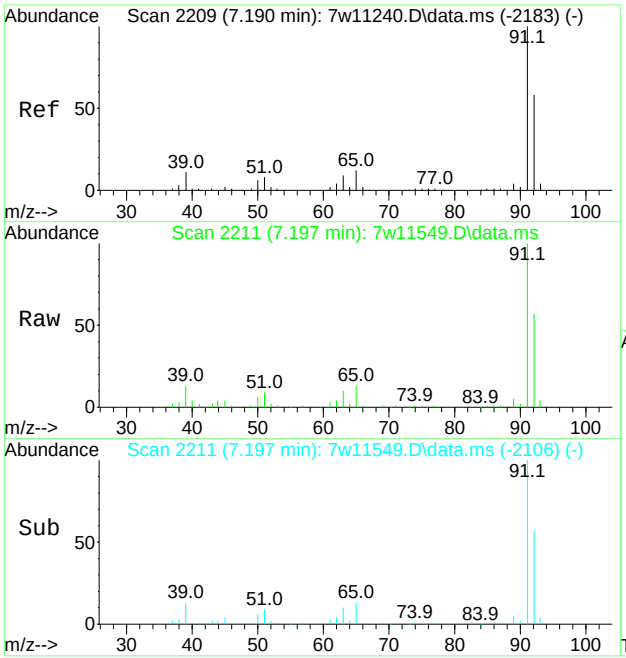


#63
METHYL METHACRYLATE
Concen: 0.1884 PPBV
RT: 5.383 min Scan# 1647
Delta R.T. 0.016 min
Lab File: 7w11549.D
Acq: 7 Jan 2025 6:24 am

Tgt Ion: 69 Resp: 2557

Ion	Ratio	Lower	Upper
69	100		
41	164.4	95.5	177.4
100	38.6	28.3	52.7

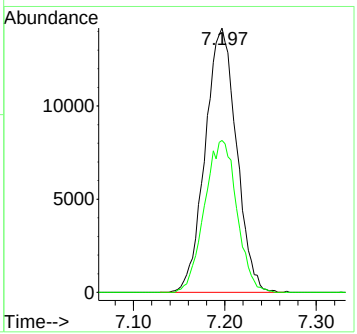


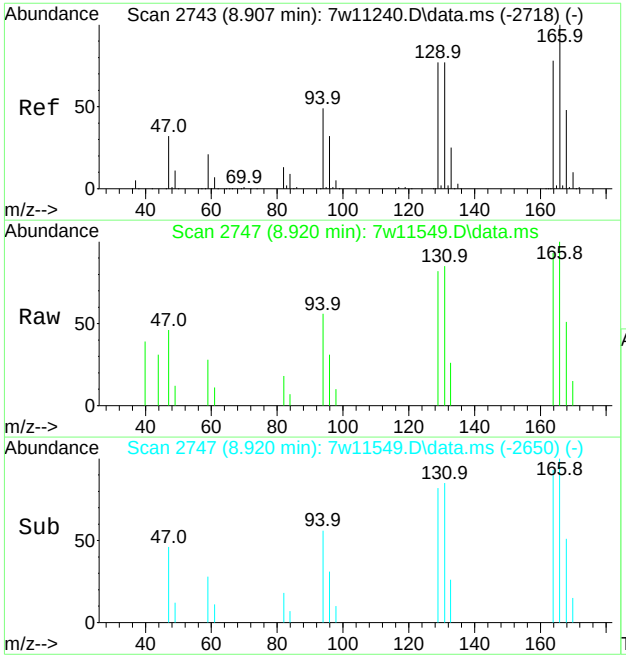


#66
TOLUENE
Concen: 0.7648 PPBV
RT: 7.197 min Scan# 2211
Delta R.T. 0.007 min
Lab File: 7w11549.D
Acq: 7 Jan 2025 6:24 am

Tgt Ion: 91 Resp: 33768

Ion	Ratio	Lower	Upper
91	100		
92	59.3	29.0	89.0

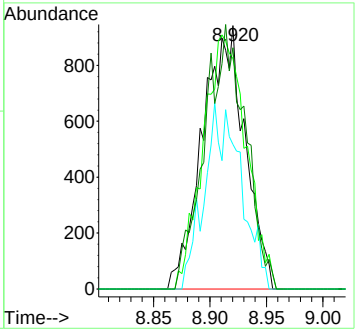


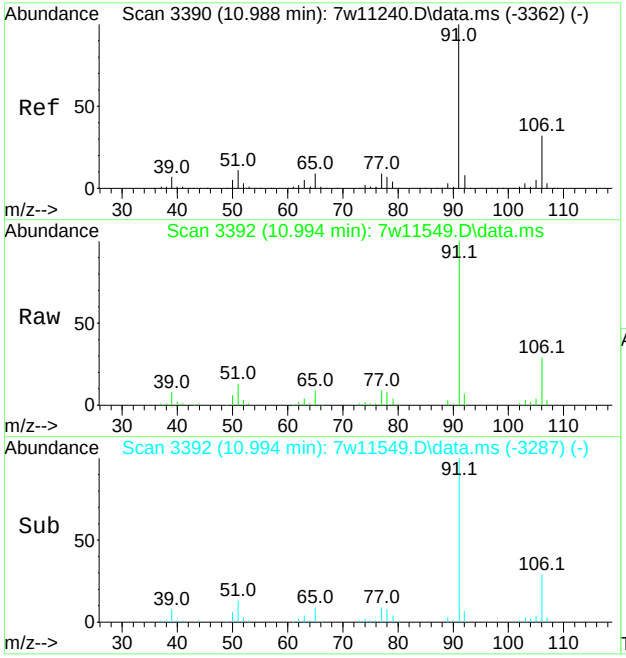


#72
TETRACHLOROETHENE
Concen: 0.1463 PPBV
RT: 8.920 min Scan# 2747
Delta R.T. 0.013 min
Lab File: 7w11549.D
Acq: 7 Jan 2025 6:24 am

Tgt Ion:164 Resp: 2447

Ion	Ratio	Lower	Upper
164	100		
129	97.9	68.9	127.9
168	60.8	42.3	78.5
131	96.9	68.0	126.2

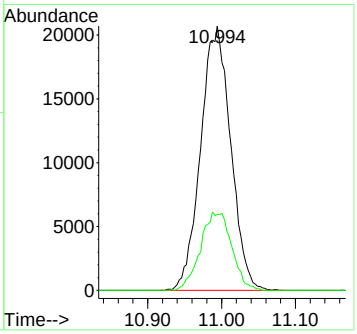


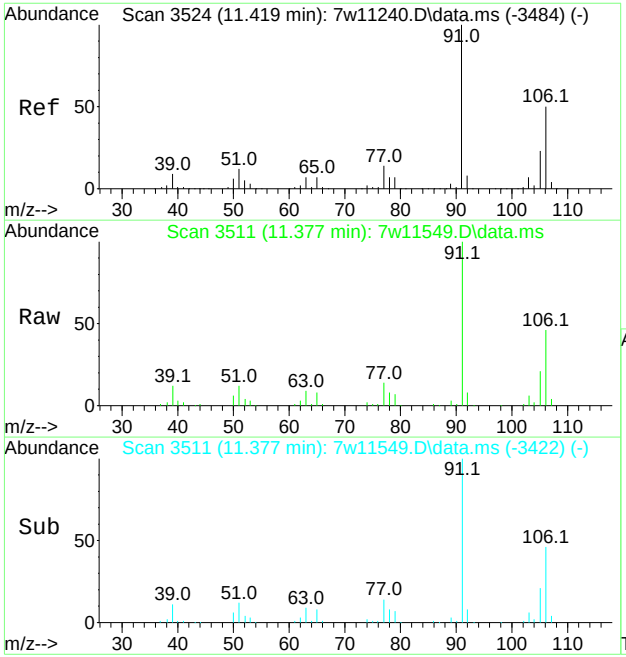


#79
ETHYLBENZENE
Concen: 0.9976 PPBV
RT: 10.994 min Scan# 3392
Delta R.T. 0.006 min
Lab File: 7w11549.D
Acq: 7 Jan 2025 6:24 am

Tgt Ion: 91 Resp: 58438

Ion	Ratio	Lower	Upper
91	100		
106	30.7	1.6	61.6

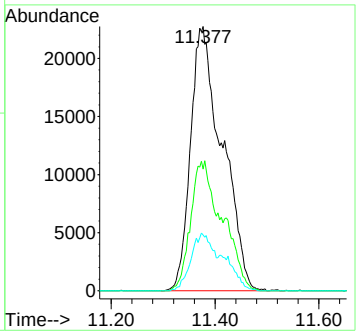


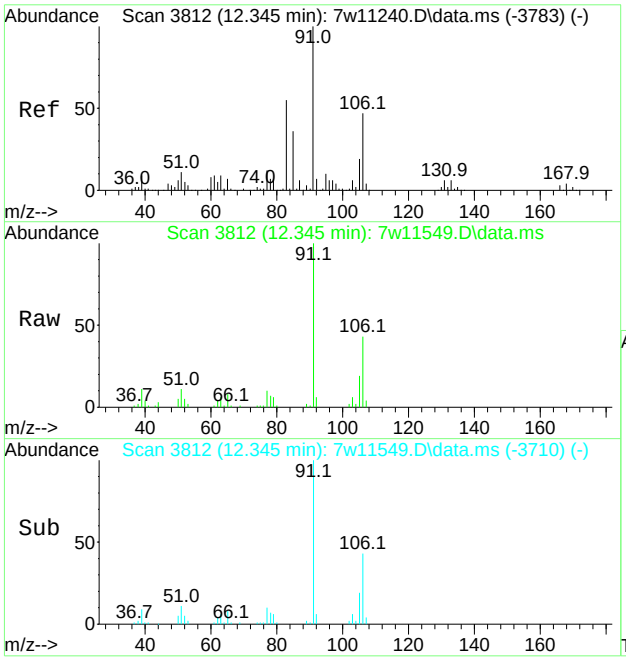


#80
M,P-XYLENE
Concen: 2.1003 PPBV
RT: 11.377 min Scan# 3511
Delta R.T. -0.042 min
Lab File: 7w11549.D
Acq: 7 Jan 2025 6:24 am

Tgt Ion: 91 Resp: 96447

Ion	Ratio	Lower	Upper
91	100		
106	49.0	0.0	55.5
105	21.9	0.0	41.7

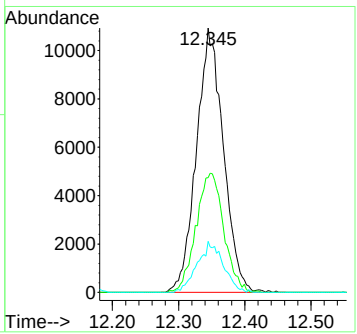


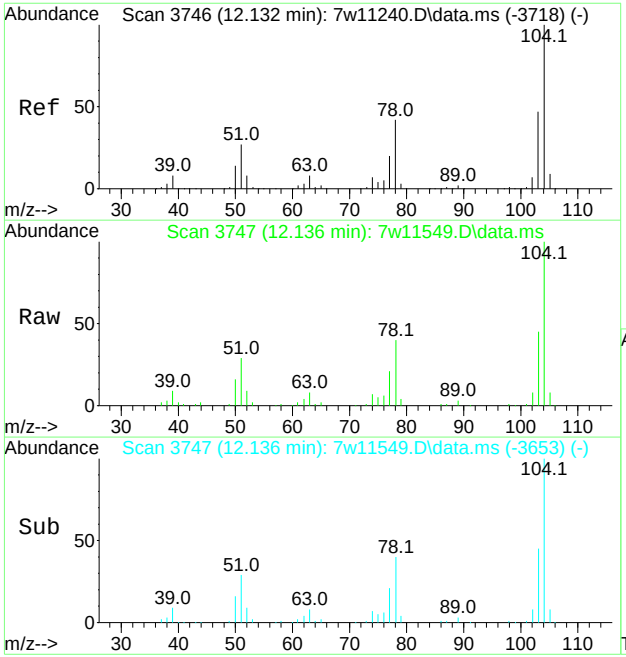


#81
O-XYLENE
Concen: 0.6698 PPBV
RT: 12.345 min Scan# 3812
Delta R.T. -0.000 min
Lab File: 7w11549.D
Acq: 7 Jan 2025 6:24 am

Tgt Ion: 91 Resp: 30892

Ion	Ratio	Lower	Upper
91	100		
106	43.3	32.7	60.7
105	19.3	13.2	24.6

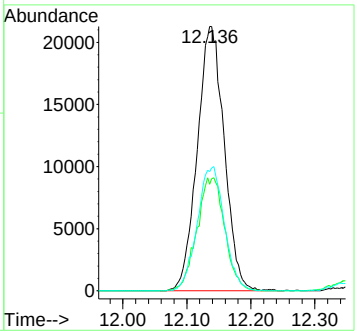




#82
STYRENE
Concen: 1.8879 PPBV
RT: 12.136 min Scan# 3747
Delta R.T. 0.004 min
Lab File: 7w11549.D
Acq: 7 Jan 2025 6:24 am

Tgt Ion:104 Resp: 62357

Ion	Ratio	Lower	Upper
104	100		
78	44.1	30.0	55.6
103	47.2	33.0	61.4



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 01/08/25 23:36

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\010925\v7w415\
Data File : 7w11588.D
Acq On : 8 Jan 2025 3:57 pm
Operator : benk
Sample : je3433-3dup Inst : MS7W
Misc : MS88599,v7w415,400,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 09 03:55:31 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

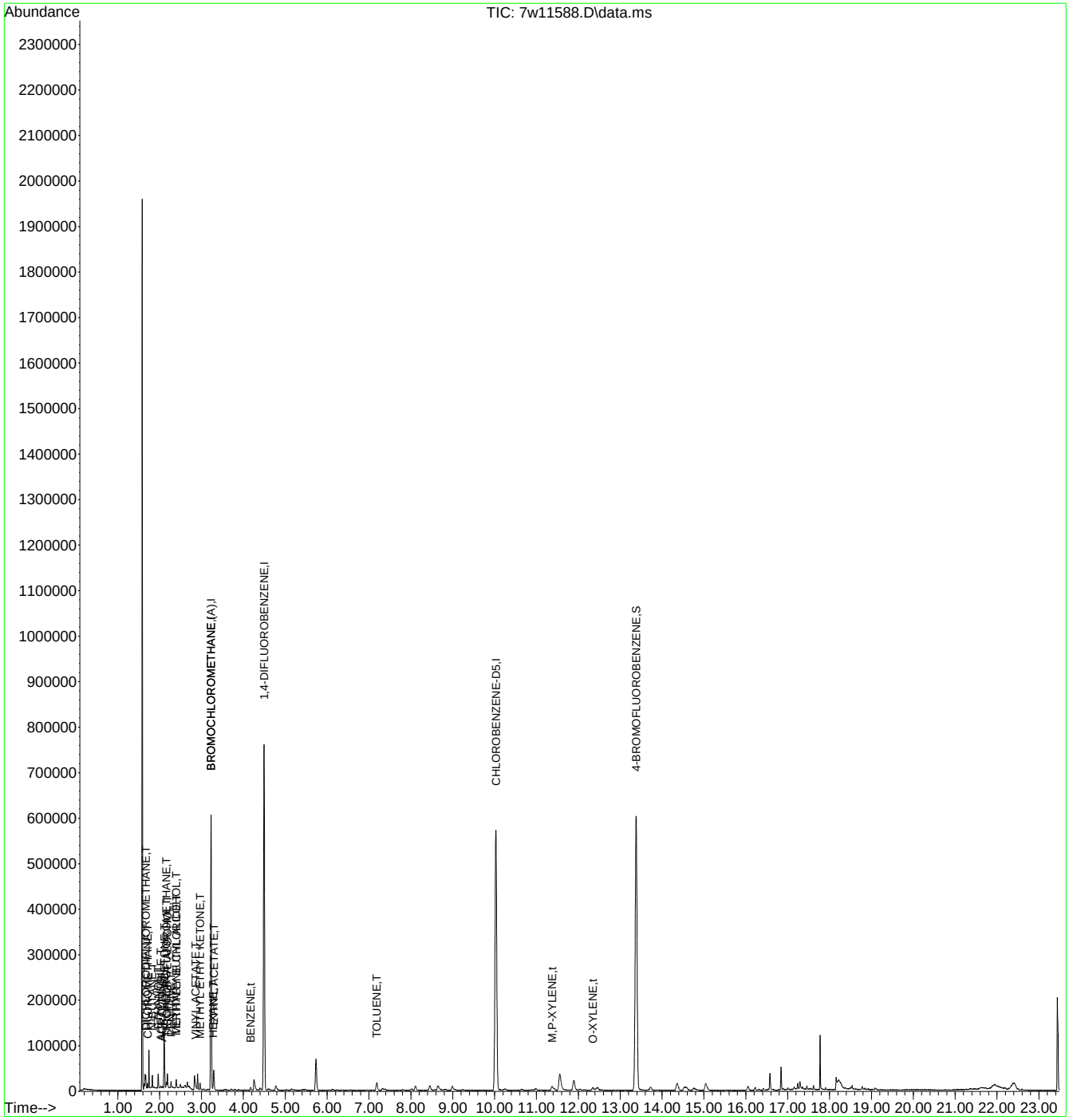
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.226	128	111063	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.492	114	543160	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.029	117	515473	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.226	128	111063	10.00	PPBV	0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.380	95	385777	10.31	PPBV	0.00
Target Compounds						Qvalue
6) DICHLORODIFLUOROMETHANE	1.666	85	11009	0.3976	PPBV #	94
10) CHLOROMETHANE	1.711	52	1866	0.6491	PPBV	95
13) N-BUTANE	1.824	43	12305	0.8543	PPBV #	89
17) ACETONITRILE	2.026	41	2455m	0.2750	PPBV	
18) ACROLEIN	2.065	56	1737	0.3705	PPBV	79
21) TRICHLOROFLUOROMETHANE	2.158	101	5224	0.2142	PPBV	97
22) ISOPROPYL ALCOHOL	2.184	45	21081	1.0246	PPBV	99
23) ACETONE	2.110	58	37099	5.7492	PPBV #	29
24) PENTANE	2.271	42	3224	0.3262	PPBV	93
28) ETHANOL	1.965	45	17173	3.0490	PPBV	100
31) METHYLENE CHLORIDE	2.399	84	2787	0.3170	PPBV	90
35) TERTIARY BUTYL ALCOHOL	2.393	59	4170	0.1762	PPBV #	43
38) HEXANE	3.277	57	3052	0.1669	PPBV	82
39) VINYL ACETATE	2.856	86	1191	0.4389	PPBV	90
41) METHYL ETHYL KETONE	2.968	72	2912	0.5902	PPBV	99
44) ETHYL ACETATE	3.293	61	4963	1.4161	PPBV #	1
51) BENZENE	4.174	78	4693	0.1582	PPBV	96
66) TOLUENE	7.184	91	16308	0.4249	PPBV	99
80) M,P-XYLENE	11.373	91	9512	0.2390	PPBV #	58
81) O-XYLENE	12.347	91	3961	0.0991	PPBV #	84

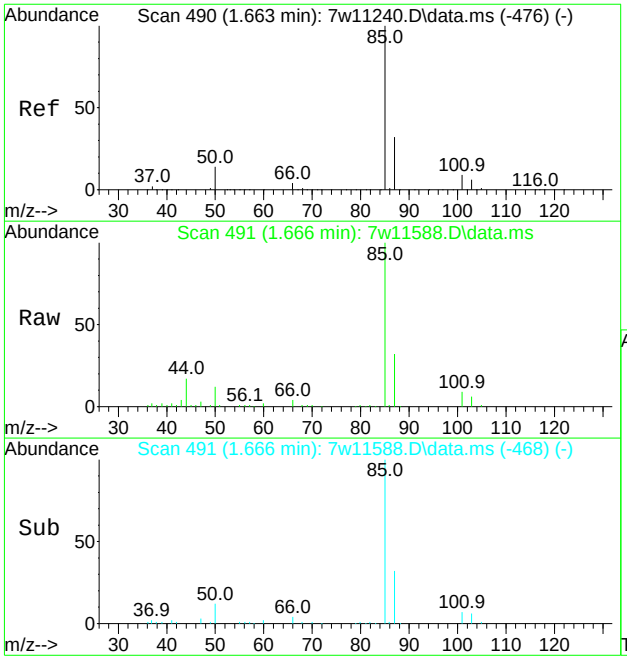
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\010925\v7w415\
Data File : 7w11588.D
Acq On : 8 Jan 2025 3:57 pm
Operator : benk
Sample : je3433-3dup Inst : MS7W
Misc : MS88599,v7w415,400,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 09 03:55:31 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

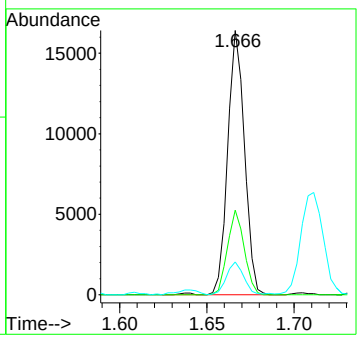


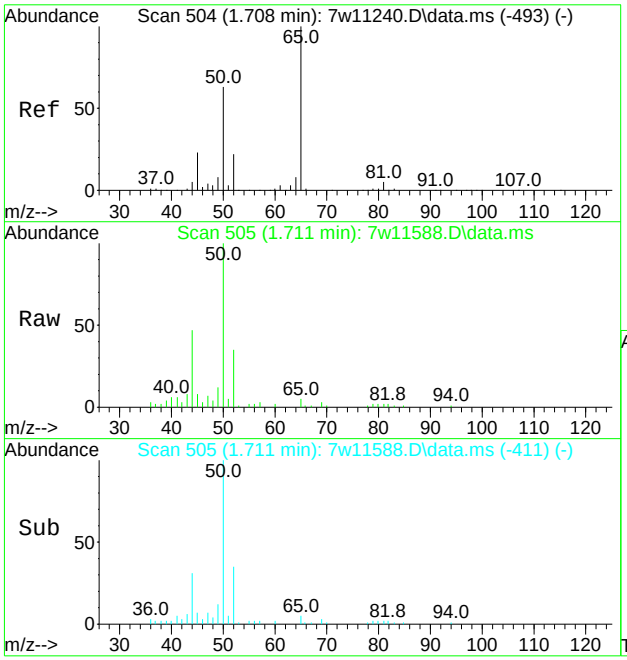


#6
DICHLORODIFLUOROMETHANE
Concen: 0.3976 PPBV
RT: 1.666 min Scan# 491
Delta R.T. 0.003 min
Lab File: 7w11588.D
Acq: 8 Jan 2025 3:57 pm

Tgt Ion: 85 Resp: 11009

Ion	Ratio	Lower	Upper
85	100		
87	31.8	22.5	41.7
50	12.8	13.8	25.6#

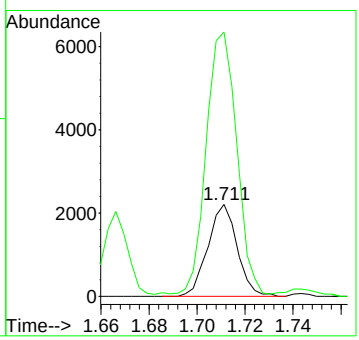


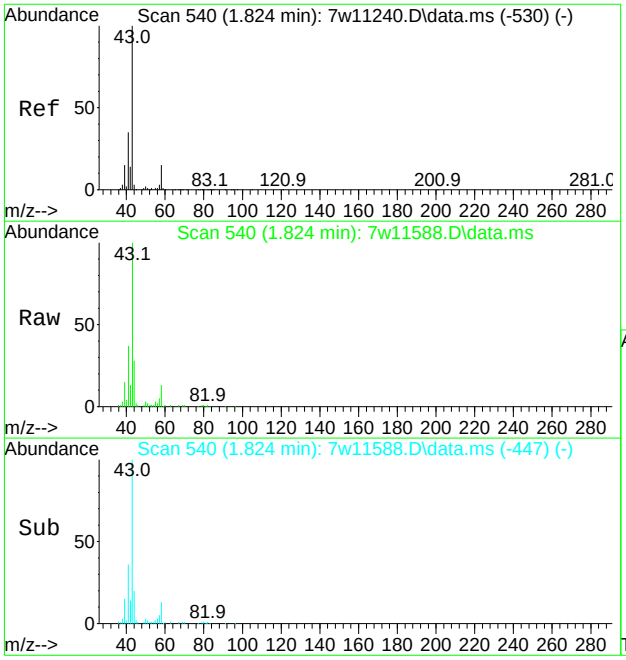


#10
CHLOROMETHANE
Concen: 0.6491 PPBV
RT: 1.711 min Scan# 505
Delta R.T. 0.003 min
Lab File: 7w11588.D
Acq: 8 Jan 2025 3:57 pm

Tgt Ion: 52 Resp: 1866

Ion	Ratio	Lower	Upper
52	100		
50	303.6	220.1	408.8

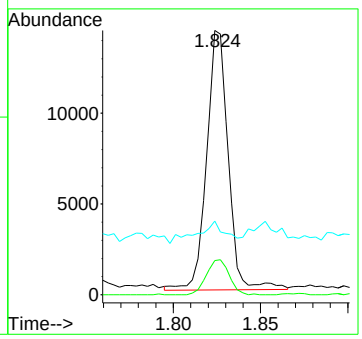


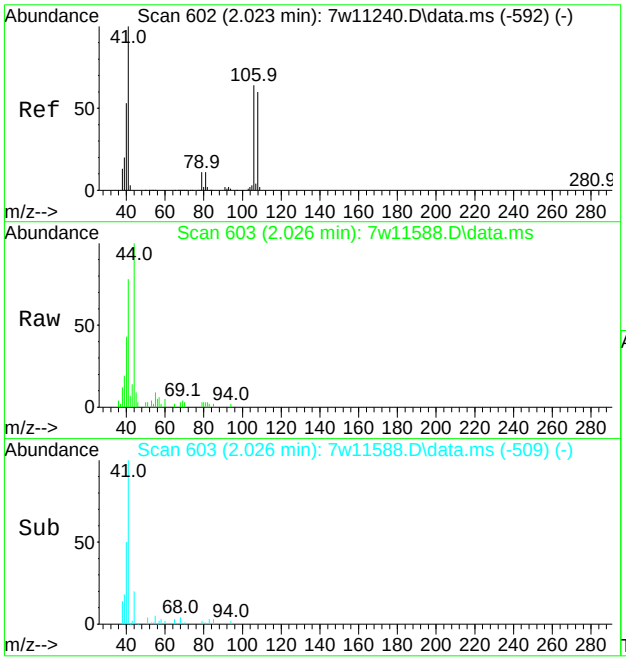


#13
N-BUTANE
Concen: 0.8543 PPBV
RT: 1.824 min Scan# 540
Delta R.T. -0.000 min
Lab File: 7w11588.D
Acq: 8 Jan 2025 3:57 pm

Tgt Ion: 43 Resp: 12305

Ion	Ratio	Lower	Upper
43	100		
58	14.3	10.4	19.2
44	19.3	3.0	5.6#

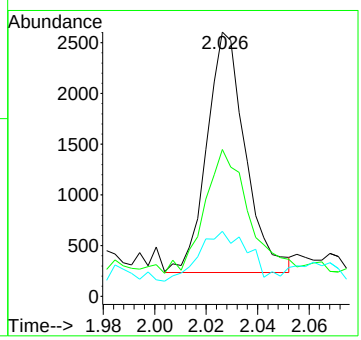


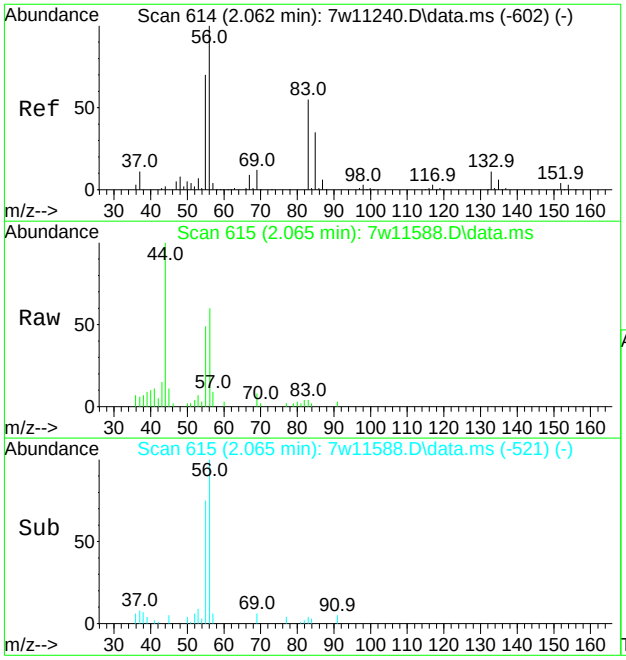


#17
ACETONITRILE
Concen: 0.2750 PPBV m
RT: 2.026 min Scan# 603
Delta R.T. 0.003 min
Lab File: 7w11588.D
Acq: 8 Jan 2025 3:57 pm

Tgt Ion: 41 Resp: 2455

Ion	Ratio	Lower	Upper
41	100		
40	11.9	37.9	70.5#
39	4.0	13.8	25.6#

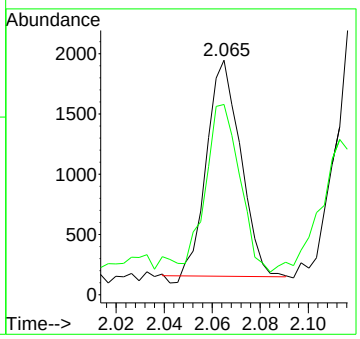


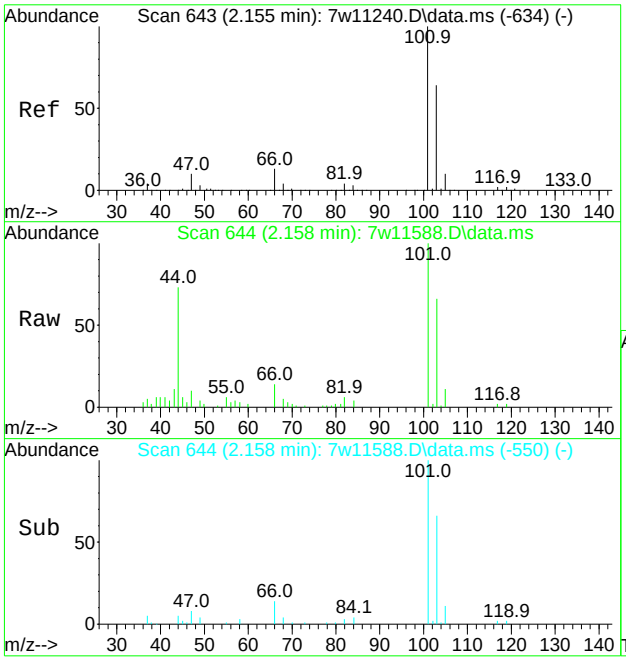


#18
ACROLEIN
Concen: 0.3705 PPBV
RT: 2.065 min Scan# 615
Delta R.T. 0.003 min
Lab File: 7w11588.D
Acq: 8 Jan 2025 3:57 pm

Tgt Ion: 56 Resp: 1737

Ion	Ratio	Lower	Upper
56	100		
55	89.2	50.3	93.3

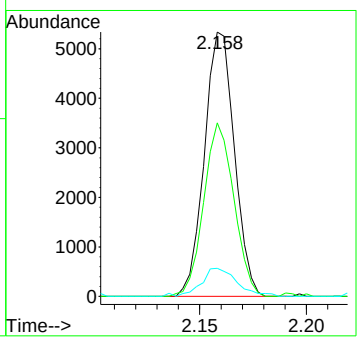


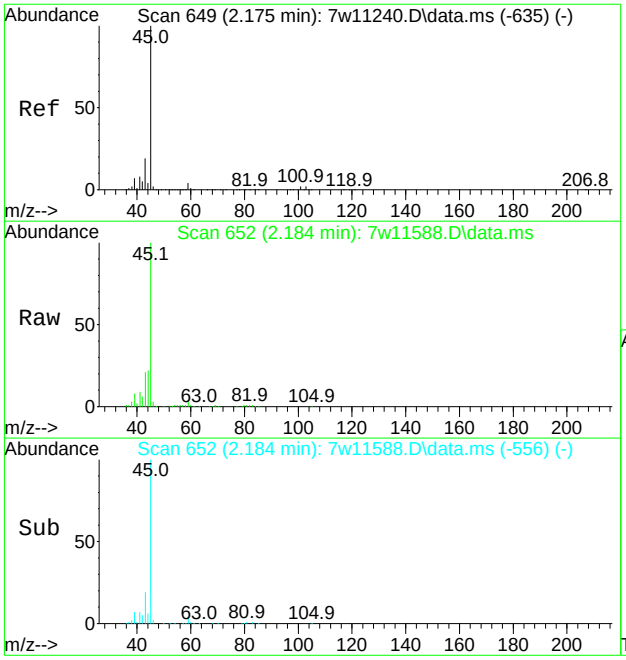


#21
TRICHLOROFLUOROMETHANE
Concen: 0.2142 PPBV
RT: 2.158 min Scan# 644
Delta R.T. 0.003 min
Lab File: 7w11588.D
Acq: 8 Jan 2025 3:57 pm

Tgt Ion:101 Resp: 5224

Ion	Ratio	Lower	Upper
101	100		
103	66.5	44.9	83.5
105	12.7	7.3	13.5

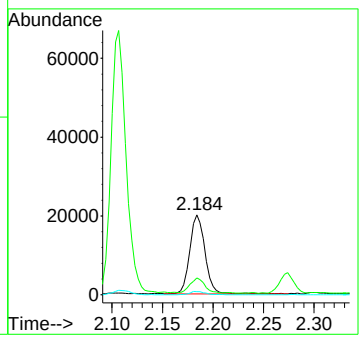


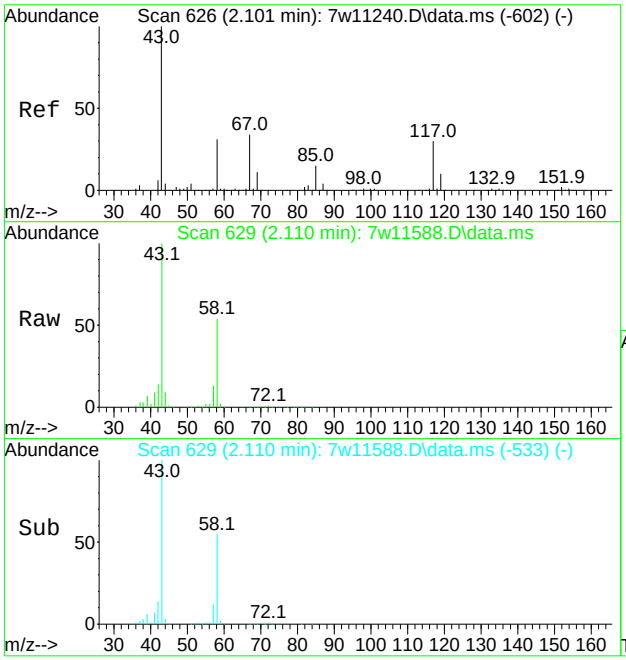


#22
ISOPROPYL ALCOHOL
Concen: 1.0246 PPBV
RT: 2.184 min Scan# 652
Delta R.T. 0.009 min
Lab File: 7w11588.D
Acq: 8 Jan 2025 3:57 pm

Tgt Ion: 45 Resp: 21081

Ion	Ratio	Lower	Upper
45	100		
43	20.2	13.9	25.9
59	4.4	2.8	5.2

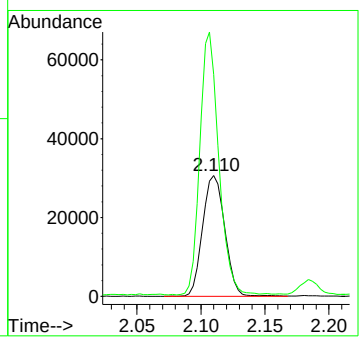


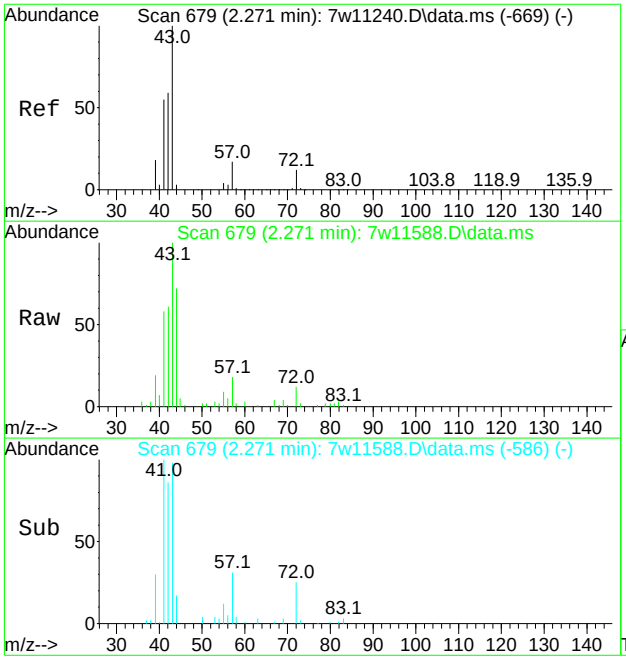


#23
ACETONE
Concen: 5.7492 PPBV
RT: 2.110 min Scan# 629
Delta R.T. 0.009 min
Lab File: 7w11588.D
Acq: 8 Jan 2025 3:57 pm

Tgt Ion: 58 Resp: 37099

Ion	Ratio	Lower	Upper
58	100		
43	185.5	234.4	435.2#

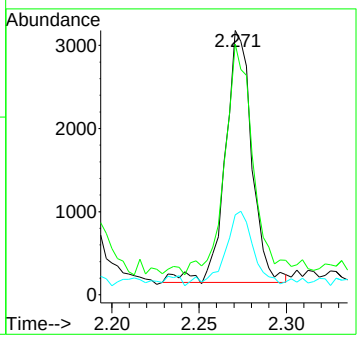


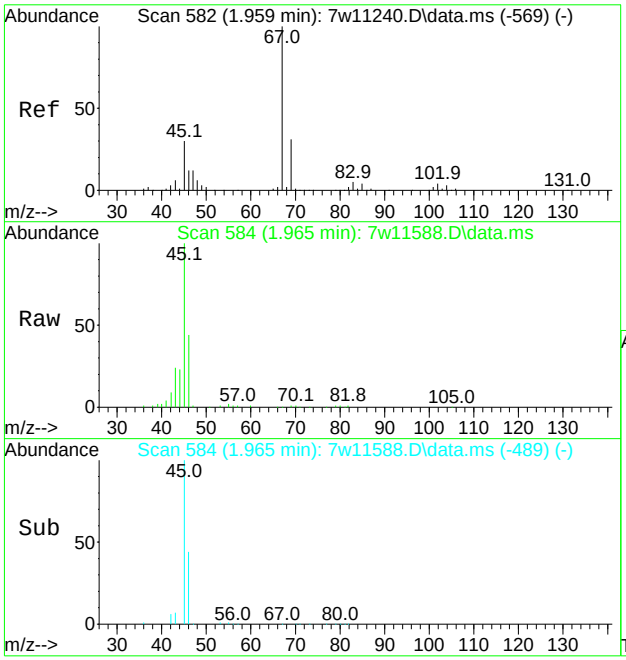


#24
PENTANE
Concen: 0.3262 PPBV
RT: 2.271 min Scan# 679
Delta R.T. -0.000 min
Lab File: 7w11588.D
Acq: 8 Jan 2025 3:57 pm

Tgt Ion: 42 Resp: 3224

Ion	Ratio	Lower	Upper
42	100		
41	98.3	64.8	120.3
57	33.3	19.7	36.7

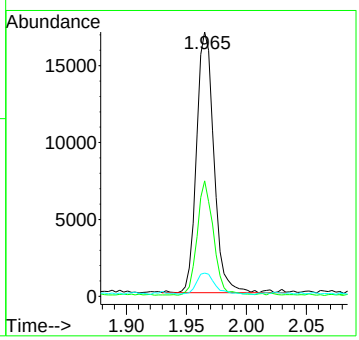


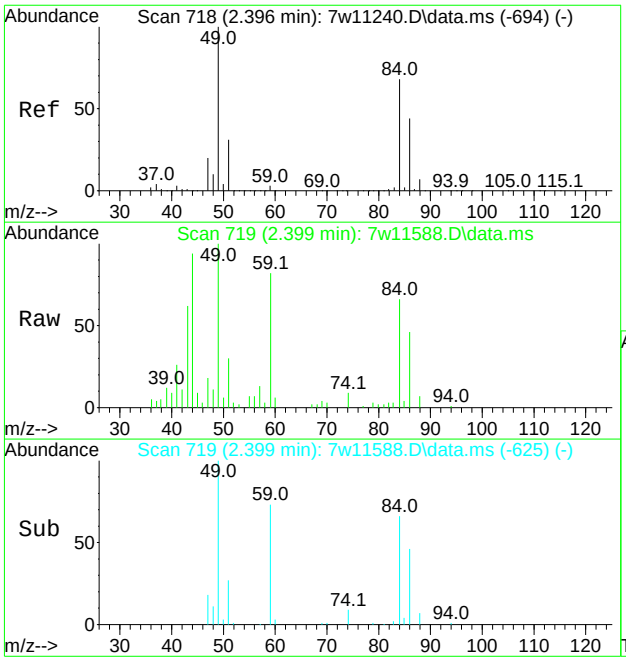


#28
ETHANOL
Concen: 3.0490 PPBV
RT: 1.965 min Scan# 584
Delta R.T. 0.006 min
Lab File: 7w11588.D
Acq: 8 Jan 2025 3:57 pm

Tgt Ion: 45 Resp: 17173

Ion	Ratio	Lower	Upper
45	100		
46	40.8	28.6	53.0
42	9.0	6.3	11.7

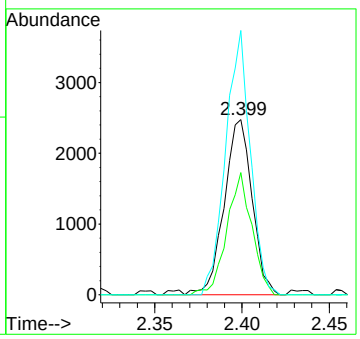


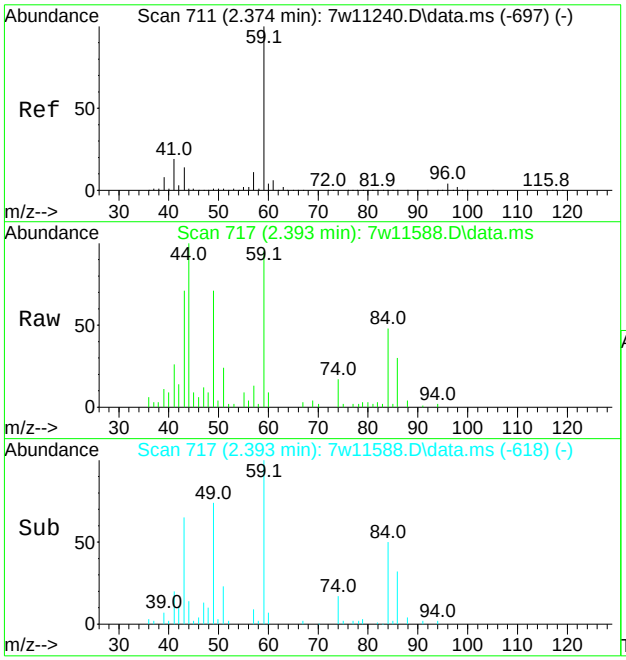


#31
METHYLENE CHLORIDE
Concen: 0.3170 PPBV
RT: 2.399 min Scan# 719
Delta R.T. 0.003 min
Lab File: 7w11588.D
Acq: 8 Jan 2025 3:57 pm

Tgt Ion: 84 Resp: 2787

Ion	Ratio	Lower	Upper
84	100		
86	61.9	46.0	85.4
49	132.3	103.9	192.9

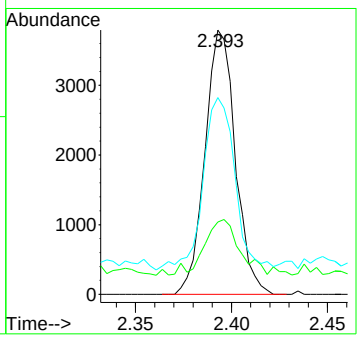


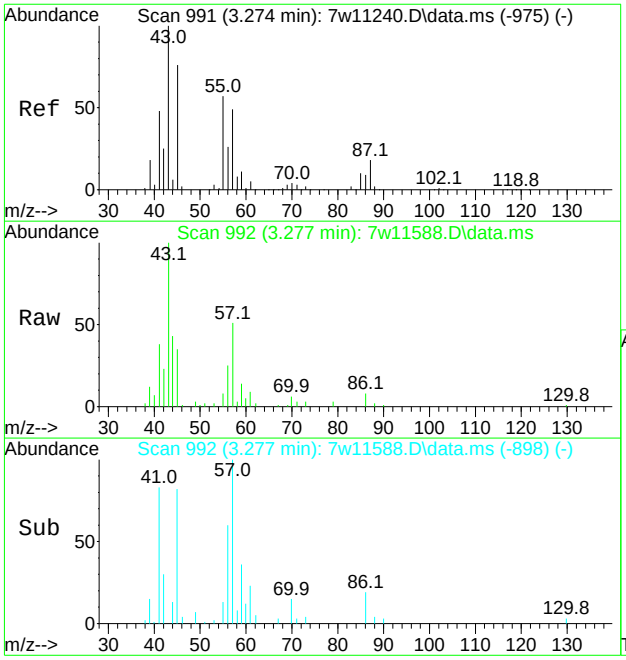


#35
TERTIARY BUTYL ALCOHOL
Concen: 0.1762 PPBV
RT: 2.393 min Scan# 717
Delta R.T. 0.019 min
Lab File: 7w11588.D
Acq: 8 Jan 2025 3:57 pm

Tgt Ion: 59 Resp: 4170

Ion	Ratio	Lower	Upper
59	100		
41	25.8	14.3	26.5
43	64.0	9.9	18.5#

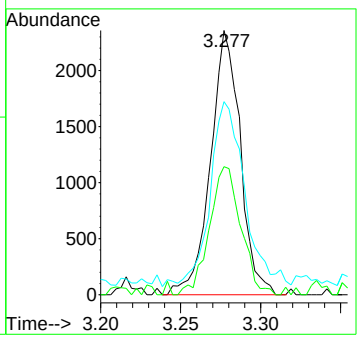


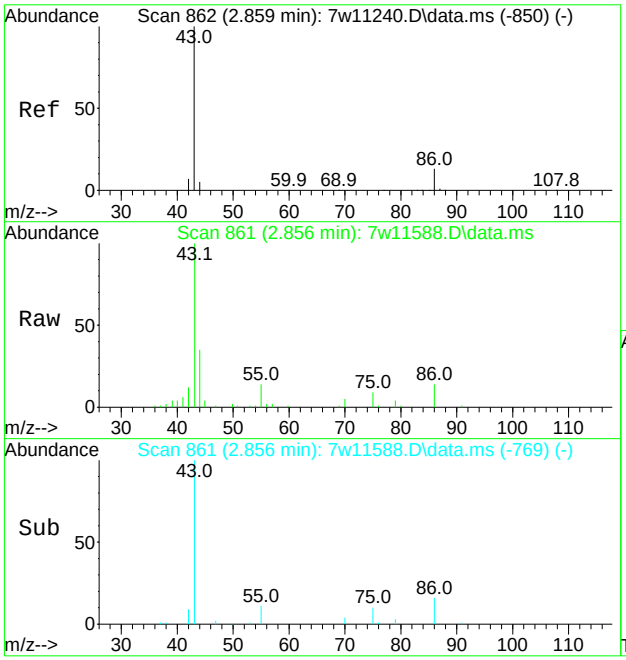


#38
HEXANE
Concen: 0.1669 PPBV
RT: 3.277 min Scan# 992
Delta R.T. 0.003 min
Lab File: 7w11588.D
Acq: 8 Jan 2025 3:57 pm

Tgt Ion: 57 Resp: 3052

Ion	Ratio	Lower	Upper
57	100		
56	51.3	37.8	70.2
41	81.6	75.9	140.9

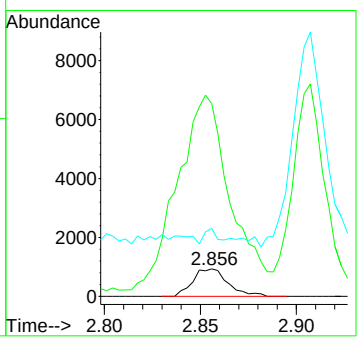


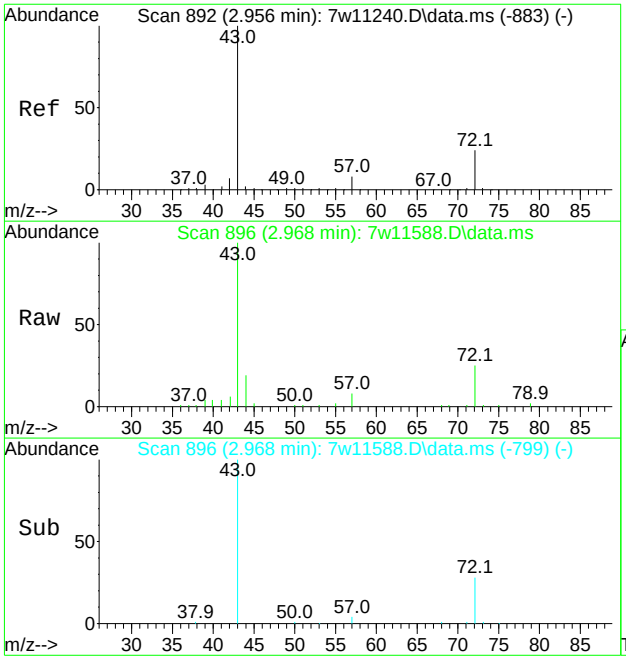


#39
VINYL ACETATE
Concen: 0.4389 PPBV
RT: 2.856 min Scan# 861
Delta R.T. -0.003 min
Lab File: 7w11588.D
Acq: 8 Jan 2025 3:57 pm

Tgt Ion: 86 Resp: 1191

Ion	Ratio	Lower	Upper
86	100		
43	1075.1	719.4	1336.0
44	48.9	34.6	64.2

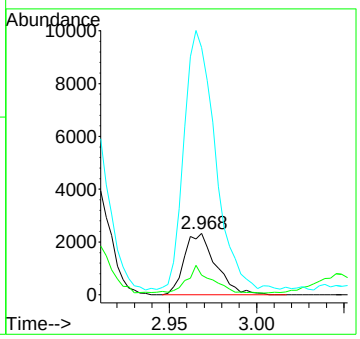


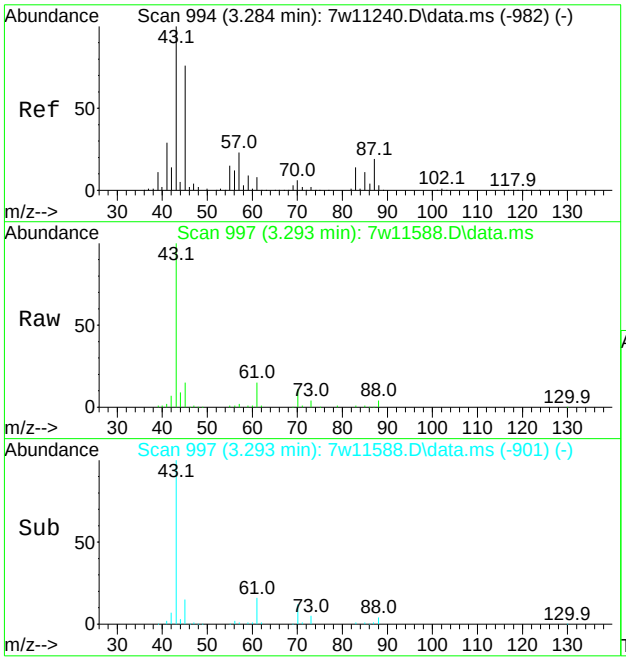


#41
METHYL ETHYL KETONE
Concen: 0.5902 PPBV
RT: 2.968 min Scan# 896
Delta R.T. 0.012 min
Lab File: 7w11588.D
Acq: 8 Jan 2025 3:57 pm

Tgt Ion: 72 Resp: 2912

Ion	Ratio	Lower	Upper
72	100		
57	43.2	25.3	46.9
43	429.4	299.6	556.4

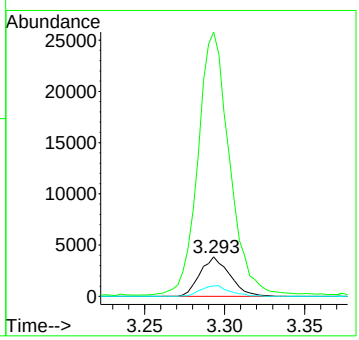


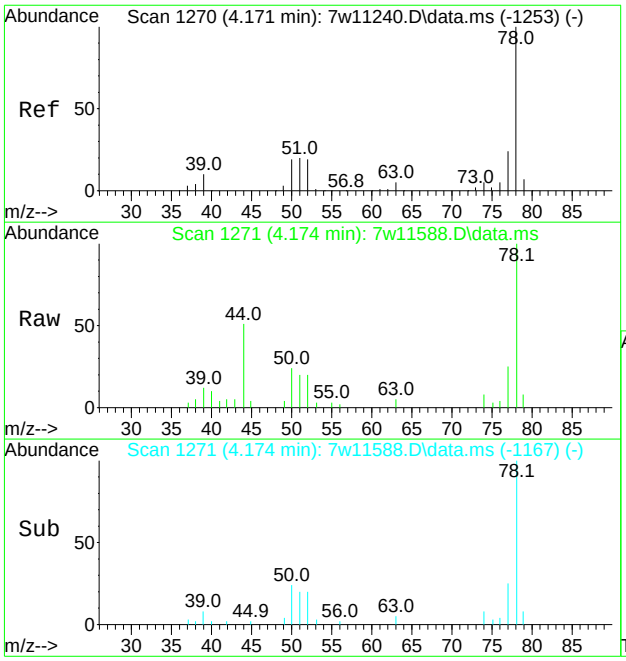


#44
ETHYL ACETATE
Concen: 1.4161 PPBV
RT: 3.293 min Scan# 997
Delta R.T. 0.009 min
Lab File: 7w11588.D
Acq: 8 Jan 2025 3:57 pm

Tgt Ion: 61 Resp: 4963

Ion	Ratio	Lower	Upper
61	100		
43	708.0	1005.1	1866.5#
88	26.9	29.3	54.5#

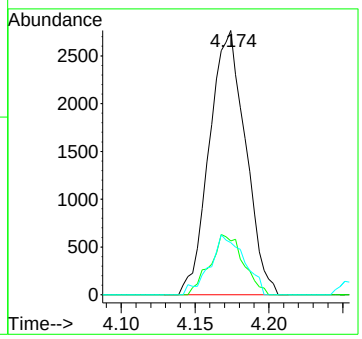


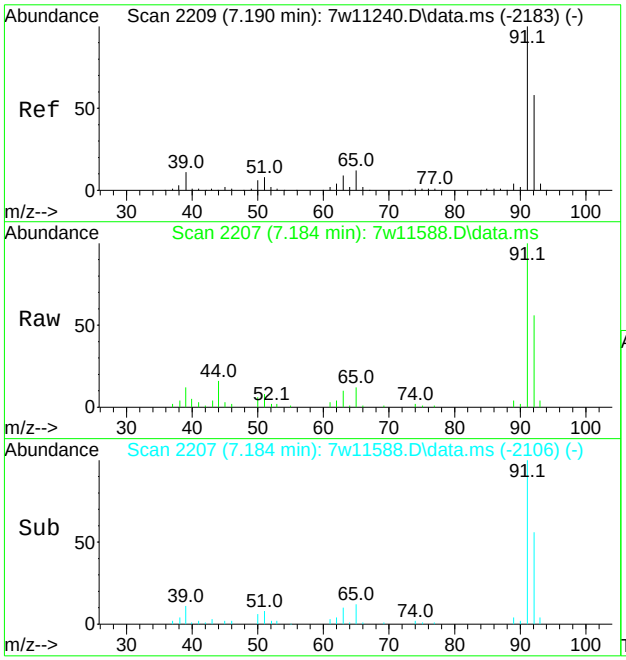


#51
BENZENE
Concen: 0.1582 PPBV
RT: 4.174 min Scan# 1271
Delta R.T. 0.003 min
Lab File: 7w11588.D
Acq: 8 Jan 2025 3:57 pm

Tgt Ion: 78 Resp: 4693

Ion	Ratio	Lower	Upper
78	100		
52	20.9	0.0	48.9
51	21.4	0.0	50.2

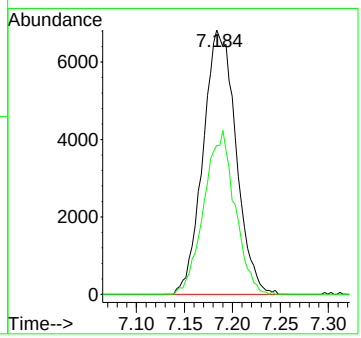


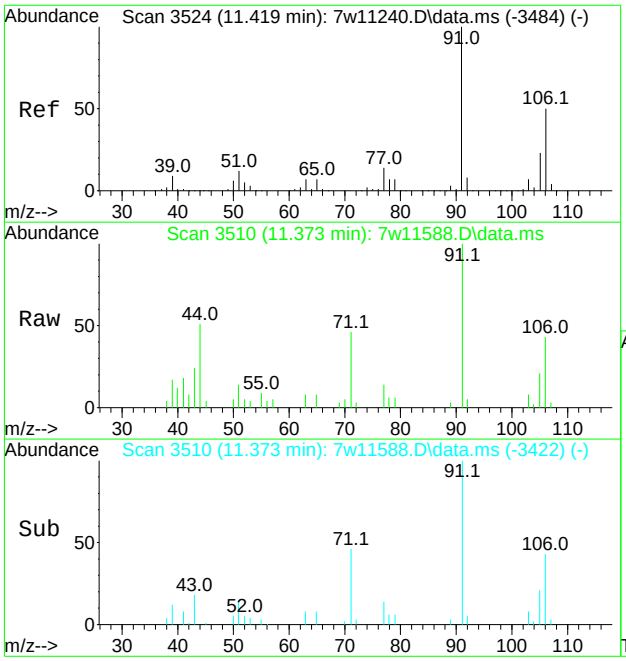


#66
TOLUENE
Concen: 0.4249 PPBV
RT: 7.184 min Scan# 2207
Delta R.T. -0.006 min
Lab File: 7w11588.D
Acq: 8 Jan 2025 3:57 pm

Tgt Ion: 91 Resp: 16308

Ion	Ratio	Lower	Upper
91	100		
92	58.1	29.0	89.0

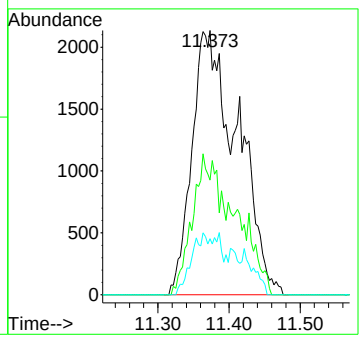


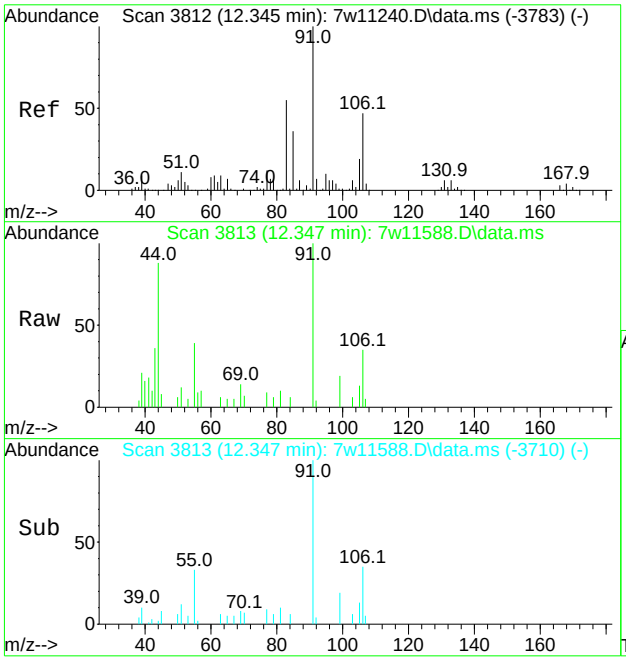


#80
M,P-XYLENE
Concen: 0.2390 PPBV
RT: 11.373 min Scan# 3510
Delta R.T. -0.046 min
Lab File: 7w11588.D
Acq: 8 Jan 2025 3:57 pm

Tgt Ion: 91 Resp: 9512

Ion	Ratio	Lower	Upper
91	100		
106	49.4	0.0	55.5
105	0.0	0.0	41.7

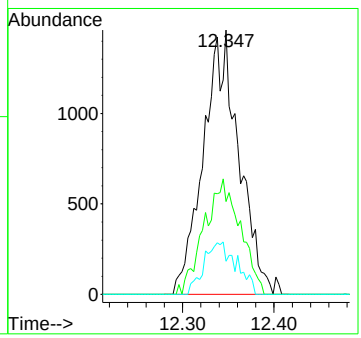




#81
O-XYLENE
Concen: 0.0991 PPBV
RT: 12.347 min Scan# 3813
Delta R.T. 0.002 min
Lab File: 7w11588.D
Acq: 8 Jan 2025 3:57 pm

Tgt Ion: 91 Resp: 3961

Ion	Ratio	Lower	Upper
91	100		
106	35.1	32.7	60.7
105	12.5	13.2	24.6#



Manual Integration Approval Summary

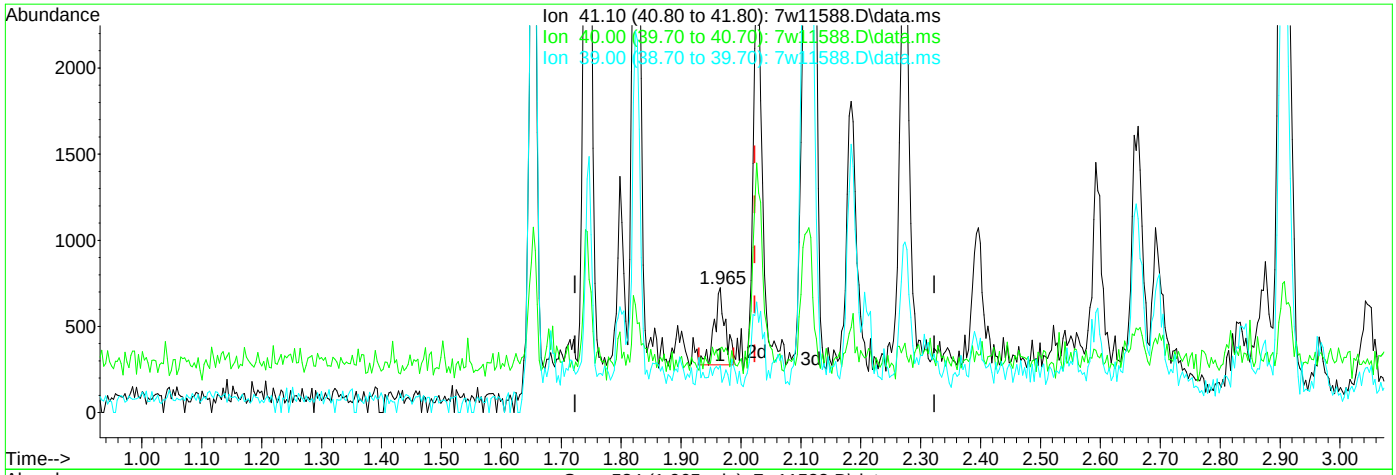
Sample Number: JE3433-3DUP
Lab FileID: 7W11588.D
Injection Time: 01/08/25 15:57
Method: TO-15
Analyst approved: 01/08/25 22:58 Kristel Valladolid
Supervisor approved: 01/08/25 23:36 Kanya Veerawat

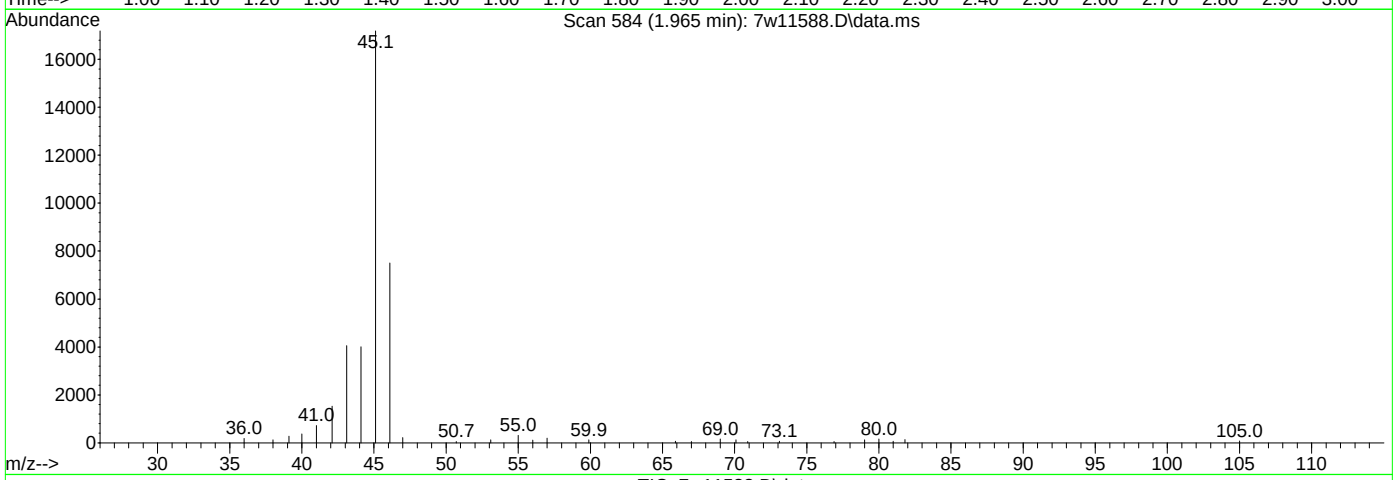
Parameter	CAS	Sig#	R.T. (min.)	Reason
Acetonitrile	75-05-8		2.03	Missed peak

Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\kristelv\010925\v7w415\
Data File : 7w11588.D
Acq On : 8 Jan 2025 3:57 pm
Operator : benk
Sample : je34331-3dup Inst : MS7W
Misc : MS88599,v7w415,400,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 09 02:46:55 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration





TIC: 7w11588.D\data.ms

(17) ACETONITRILE (T)

1.965min (-0.058) 0.07PPBV

response 582

Ion	Exp%	Act%
41.10	100	100
40.00	54.20	50.34
39.00	19.70	16.67
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w10605.D
Acq On : 19 Nov 2024 4:48 am
Operator : thomash
Sample : scc(a779),cp12922
Misc : MS86930,v7w387,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 19 11:41:48 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

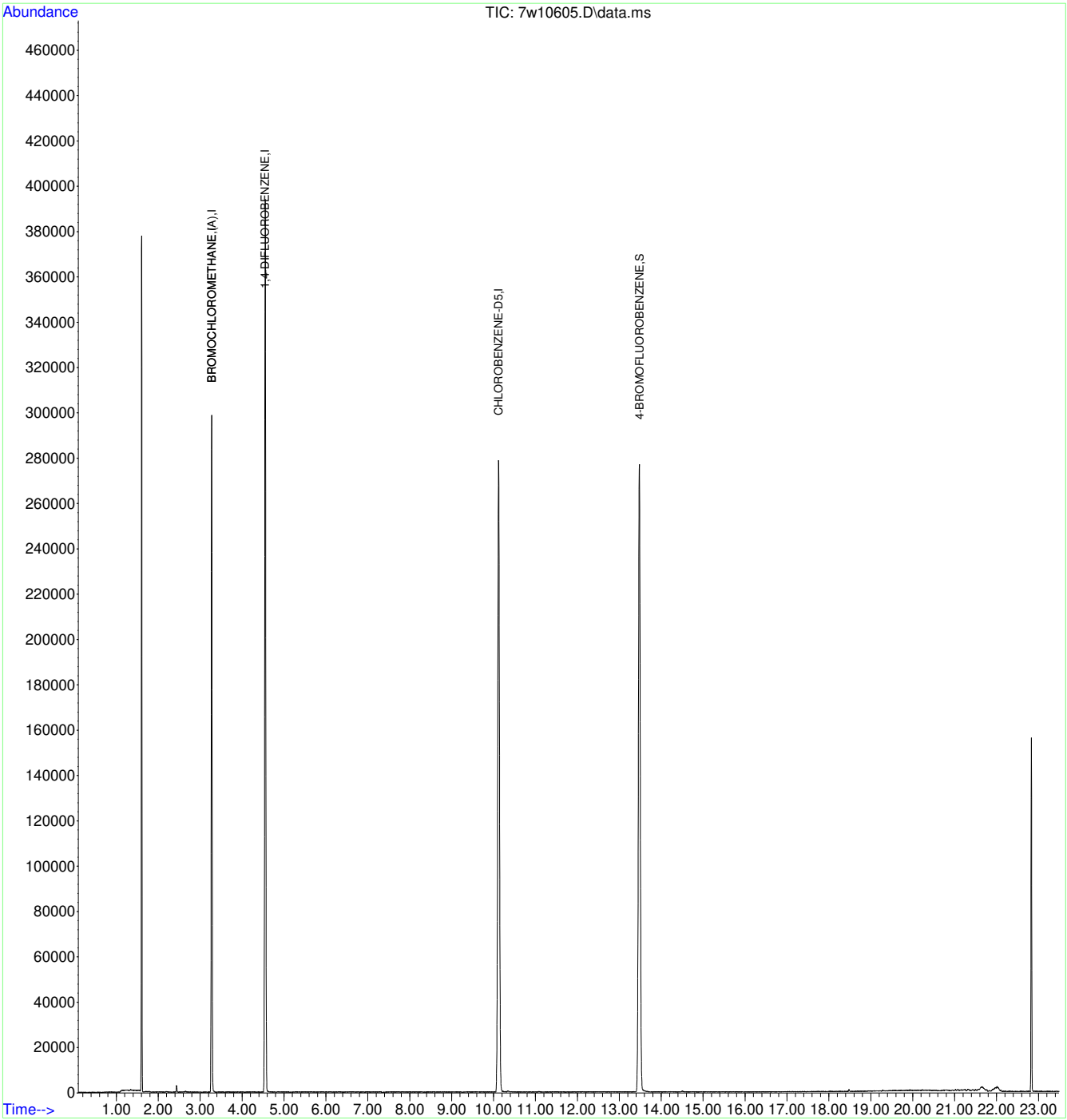
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.277	128	61555	10.00	PPBV	# 0.00
52) 1,4-DIFLUOROBENZENE	4.550	114	303415	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.119	117	282366	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.277	128	61555	10.00	PPBV	# 0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.479	95	175288	8.46	PPBV	0.00
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w10605.D
Acq On : 19 Nov 2024 4:48 am
Operator : thomash
Sample : scc(a779),cp12922
Misc : MS86930,v7w387,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 19 11:41:48 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\11-26-2024\V7W392\
Data File : 7w10777.D
Acq On : 26 Nov 2024 6:47 am
Operator : williamc
Sample : scc(a1858),cp12926 Inst : MS7W
Misc : MS87406,v7w392,,,,,1
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Nov 26 14:46:34 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

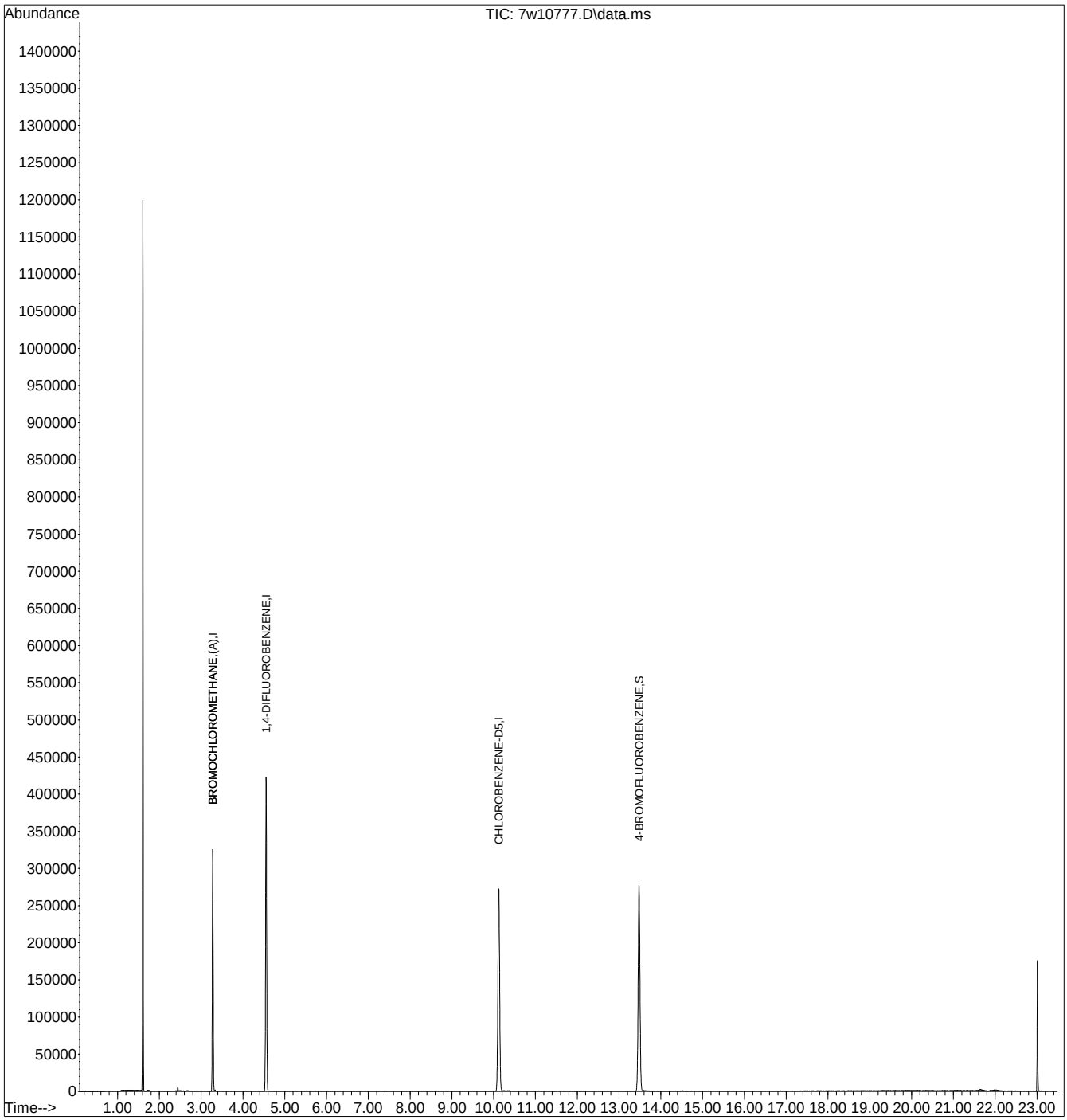
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.277	128	55670	10.00	PPBV	# 0.00
52) 1,4-DIFLUOROBENZENE	4.553	114	294531	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.122	117	228023	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.277	128	55670	10.00	PPBV	# 0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.479	95	166608	9.96	PPBV	0.00
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\11-26-2024\V7W392\
Data File : 7w10777.D
Acq On : 26 Nov 2024 6:47 am
Operator : williamc
Sample : scc(a1858),cp12926 Inst : MS7W
Misc : MS87406,v7w392,,,,,1
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Nov 26 14:46:34 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w10831.D
Acq On : 28 Nov 2024 7:35 am
Operator : benk
Sample : scc(a792),cp12897
Misc : MS87455,v7w394,,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 28 16:35:53 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

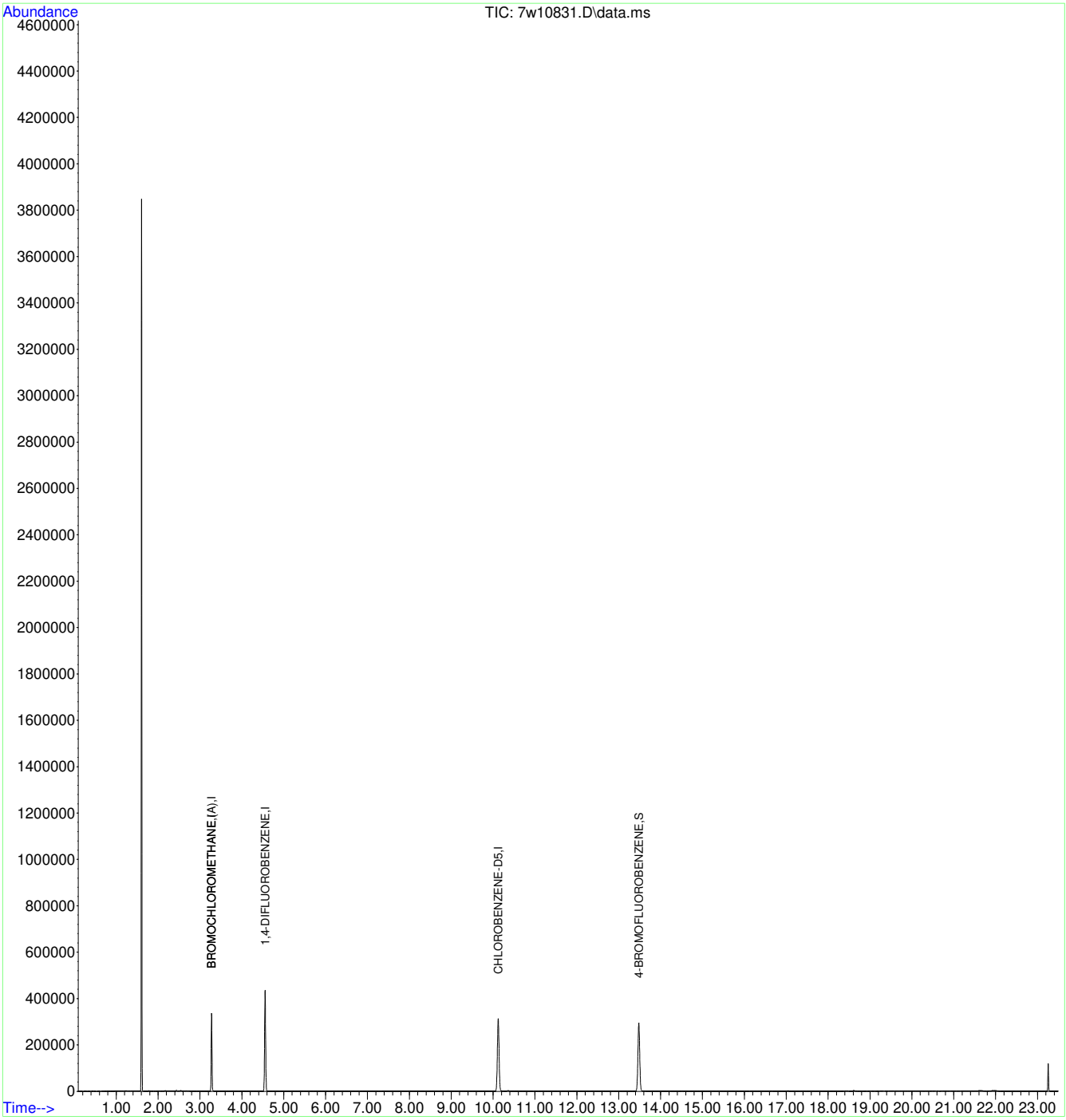
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.277	128	62374	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.557	114	337223	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.122	117	288734	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.277	128	62374	10.00	PPBV	0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.479	95	194803	9.20	PPBV	0.00
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w10831.D
Acq On : 28 Nov 2024 7:35 am
Operator : benk
Sample : scc(a792),cp12897
Misc : MS87455,v7w394,,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 28 16:35:53 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : R:\MSAIR\Done\2024\December\17 Dec 2024\v5w2132\
Data File : 5w55670a.D
Acq On : 16 Dec 2024 6:38 pm
Operator : thomash
Sample : scc(a1800),cp12944 Inst : GCMS5W
Misc : MS87842,V5W2132,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 17 11:35:09 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

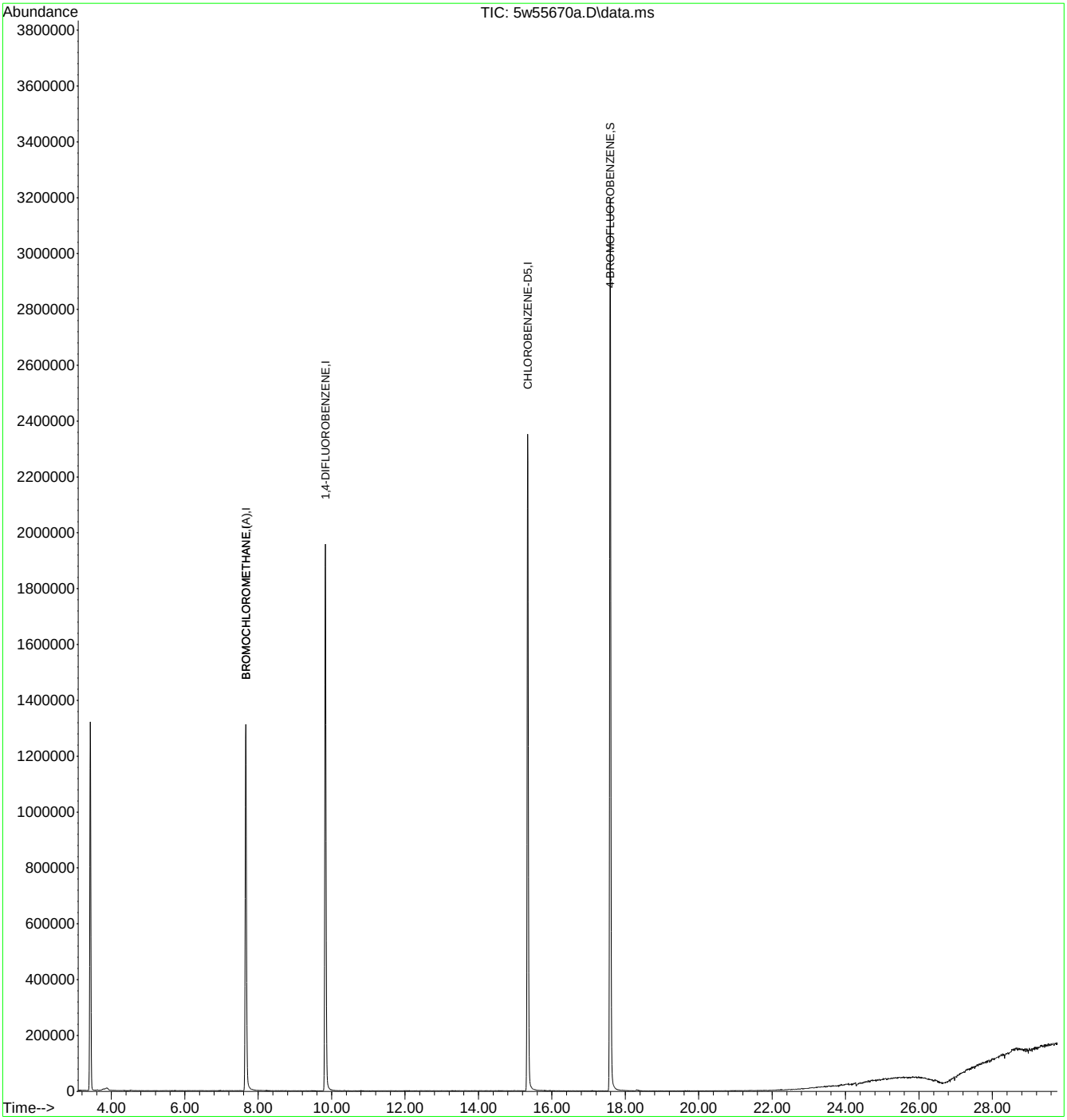
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	7.663	128	351933	10.00	PPBV	# 0.00
51) 1,4-DIFLUOROBENZENE	9.828	114	1652348	10.00	PPBV	0.00
70) CHLOROBENZENE-D5	15.340	82	979891	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	7.663	128	351933	10.00	PPBV	# 0.00
System Monitoring Compounds						
85) 4-BROMOFLUOROBENZENE	17.586	95	1238048	11.29	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 112.90%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : R:\MSAIR\Done\2024\December\17 Dec 2024\v5w2132\
Data File : 5w55670a.D
Acq On : 16 Dec 2024 6:38 pm
Operator : thomash
Sample : scc(a1800),cp12944 Inst : GCMS5W
Misc : MS87842,V5W2132,,,,,1
ALS Vial : 3 Sample Multiplier: 1

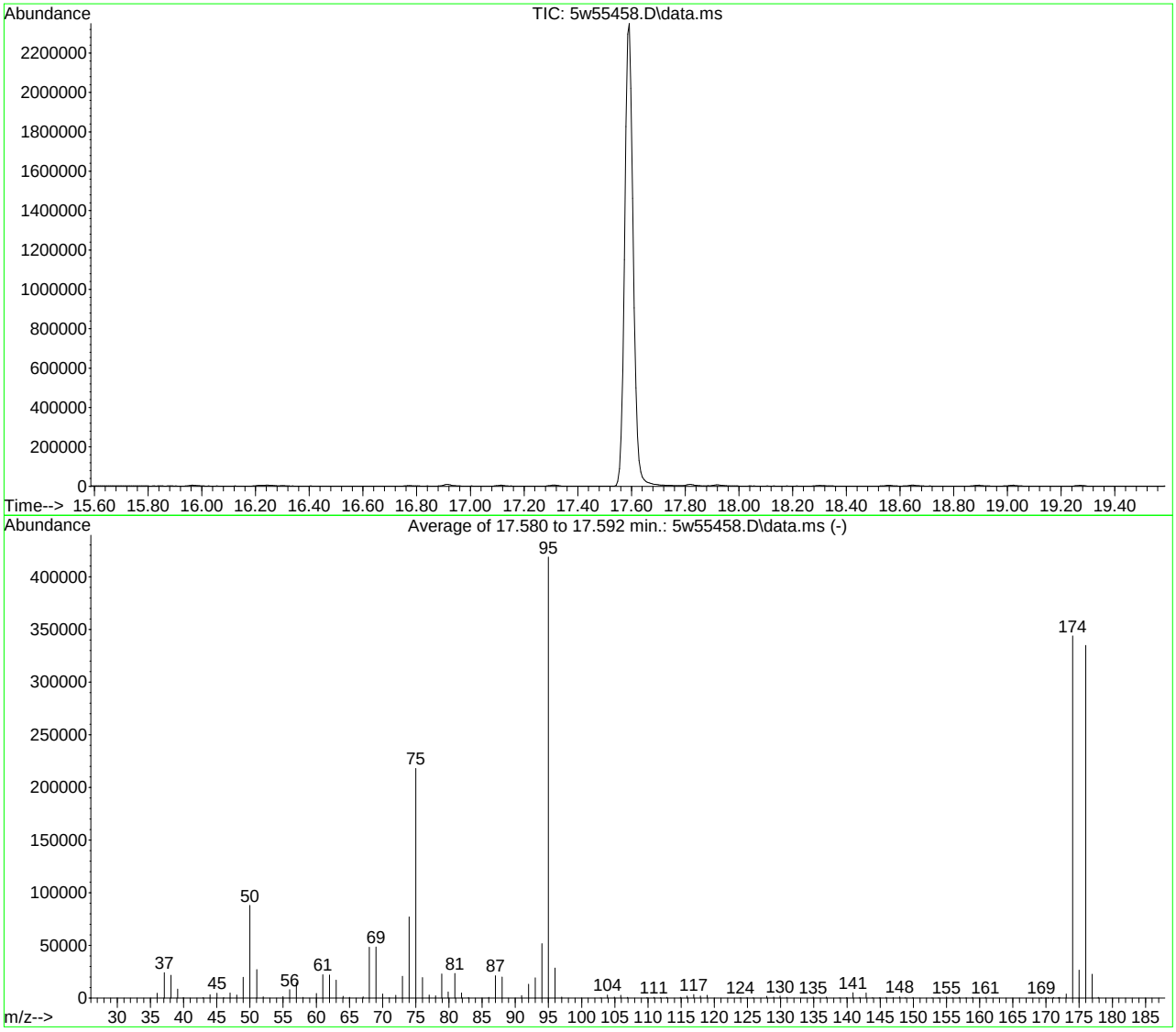
Quant Time: Dec 17 11:35:09 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



BFB

Data File : C:\msdchem\1\DATA\5w55458.D Vial: 3
Acq On : 9 Dec 2024 3:34 am Operator: benk
Sample : bfb Inst : GCMS5W
Misc : MS74484,V5W2125,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P

Method : Z:\Dayton\MSAIR_Methods\M5w2125.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um



AutoFind: Scans 2369, 2370, 2371; Background Corrected with Scan 2360

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	21.0	87907	PASS
75	95	30	66	52.1	218027	PASS
95	95	100	100	100.0	418581	PASS
96	95	5	9	6.8	28349	PASS
173	174	0.00	2	1.1	3695	PASS
174	95	50	120	82.1	343765	PASS
175	174	4	9	7.7	26424	PASS
176	174	93	101	97.4	334720	PASS
177	176	5	9	6.7	22512	PASS

5w55458.D M5w2125.M Mon Dec 09 16:30:13 2024

Average of 17.580 to 17.592 min.: 5w55458.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	4407	49.00	19752	63.00	17050	75.00	218027
37.10	24149	50.00	87907	64.05	1657	76.00	19280
38.10	21723	51.05	26971	65.00	509	77.00	2866
39.10	8398	52.00	1164	67.05	1085	78.00	2061
39.95	461	55.00	1419	68.00	48216	78.90	22733
42.95	285	56.00	7959	69.00	48400	79.90	5787
44.00	3174	57.00	14433	70.00	3854	80.90	23309
45.05	4430	58.00	691	71.00	83	81.90	4746
46.05	362	60.00	4331	72.00	2495	82.95	482
47.00	4807	61.00	22131	73.00	20691	86.00	549
48.00	2719	62.00	21965	74.00	77016	87.00	21008

Average of 17.580 to 17.592 min.: 5w55458.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
88.00	20003	105.90	2548	123.95	315	140.90	5011
90.95	2215	106.90	509	124.90	140	141.90	497
92.00	13106	109.85	391	125.85	219	142.90	4891
93.00	19059	110.90	592	127.90	1613	143.85	348
94.00	51672	111.90	484	128.95	795	144.95	461
95.00	418581	112.85	566	129.90	1786	145.90	568
96.00	28349	114.90	530	130.90	598	146.95	297
97.00	848	115.90	1936	134.90	880	147.95	1090
102.85	239	116.90	3369	136.90	963	148.80	258
103.90	2733	117.90	1949	138.90	79	149.95	436
104.95	754	118.90	2572	139.95	354	152.85	248

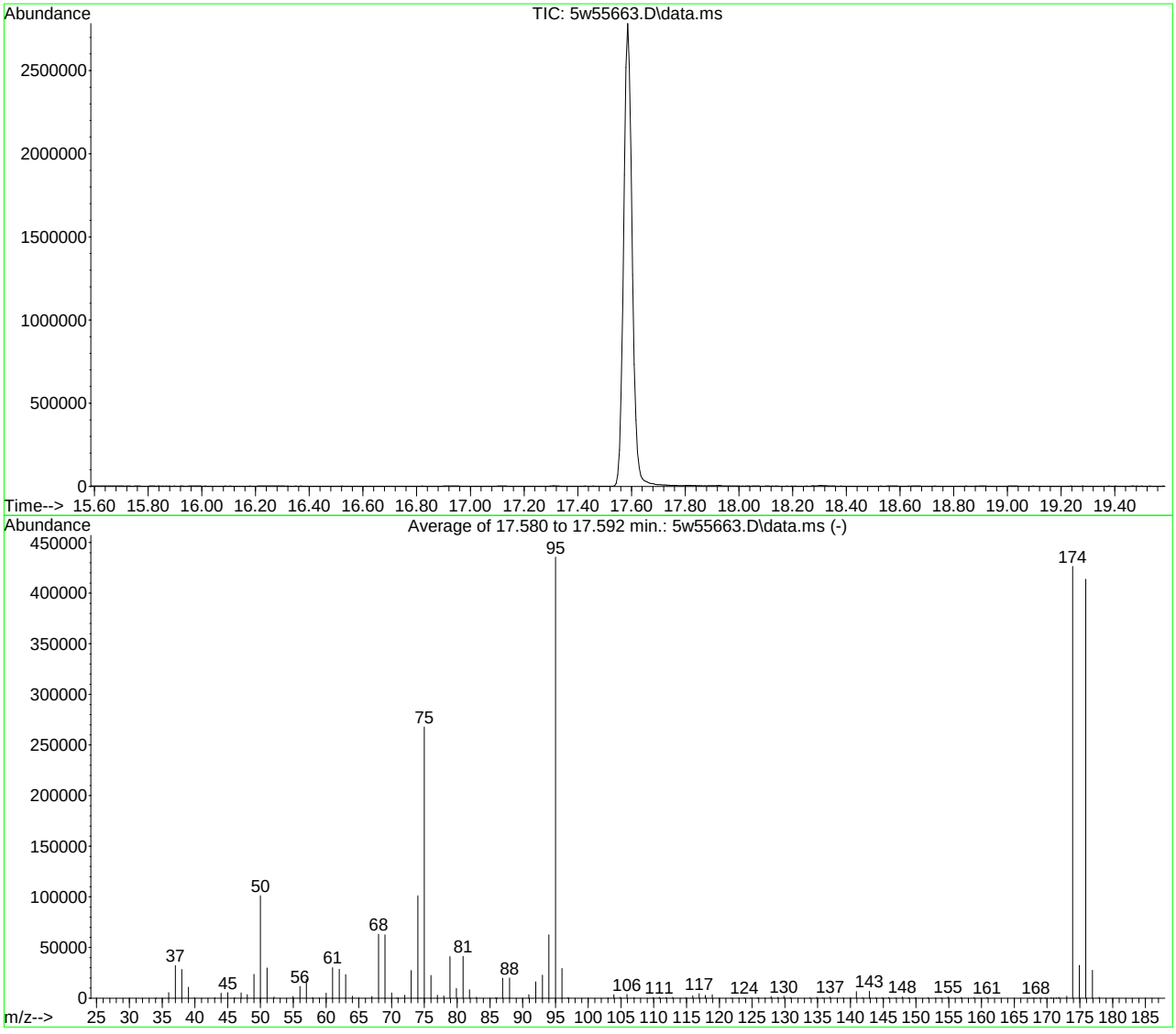
Average of 17.580 to 17.592 min.: 5w55458.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
153.80	101	171.90	416				
155.00	926	172.05	748				
155.90	138	173.05	3695				
156.95	736	174.00	343765				
157.95	174	175.00	26424				
158.90	535	176.00	334720				
160.90	542	176.95	22512				
169.30	75	177.90	590				
170.00	113						
170.35	183						
171.15	260						

BFB

Data File : C:\msdchem\1\DATA\5w55663.D Vial: 2
Acq On : 16 Dec 2024 12:41 pm Operator: thomash
Sample : bfb Inst : GCMS5W
Misc : MS87926,V5W2132,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P

Method : Z:\Dayton\MSAIR_Methods\M5w2125.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um



AutoFind: Scans 2369, 2370, 2371; Background Corrected with Scan 2359

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	23.2	101069	PASS
75	95	30	66	61.5	267968	PASS
95	95	100	100	100.0	435499	PASS
96	95	5	9	6.7	29261	PASS
173	174	0.00	2	0.4	1816	PASS
174	95	50	120	97.9	426539	PASS
175	174	4	9	7.6	32493	PASS
176	174	93	101	97.0	413696	PASS
177	176	5	9	6.6	27451	PASS

5w55663.D M5w2125.M Mon Dec 16 17:29:06 2024

Average of 17.580 to 17.592 min.: 5w55663.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
34.10	86	48.00	3371	61.00	30011	72.00	3024
36.00	5425	49.00	23563	62.00	28456	73.00	27336
37.00	32187	50.00	101069	63.00	23296	74.00	101051
38.00	28197	51.00	29917	64.00	1928	75.00	267968
39.00	10711	52.05	1206	65.05	371	76.00	22512
39.90	483	54.95	1691	67.00	1565	77.00	2805
43.05	482	56.00	11540	68.00	63109	77.95	2118
44.00	4939	57.00	18661	69.00	62448	78.90	40888
45.00	5452	57.95	768	70.00	5116	79.90	9546
46.05	565	58.95	162	70.80	85	80.90	41144
47.05	5252	60.00	5026	71.00	185	81.90	8204

Average of 17.580 to 17.592 min.: 5w55663.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
82.95	887	96.95	770	115.95	2433	127.90	1723
85.90	330	103.00	231	116.90	4451	128.95	807
86.10	233	103.90	3365	117.85	2611	129.85	1977
86.95	19744	104.90	996	118.90	3540	130.85	733
88.00	19955	105.90	3698	121.80	67	133.80	293
90.95	3312	106.95	576	123.00	81	134.85	1021
92.00	16172	109.85	557	123.80	399	135.80	165
93.00	22739	110.85	945	124.80	71	136.90	1178
94.00	62616	111.85	681	125.80	131	138.90	162
95.00	435499	112.90	876	126.00	70	139.95	414
96.00	29261	114.90	604	126.95	139	140.90	6482

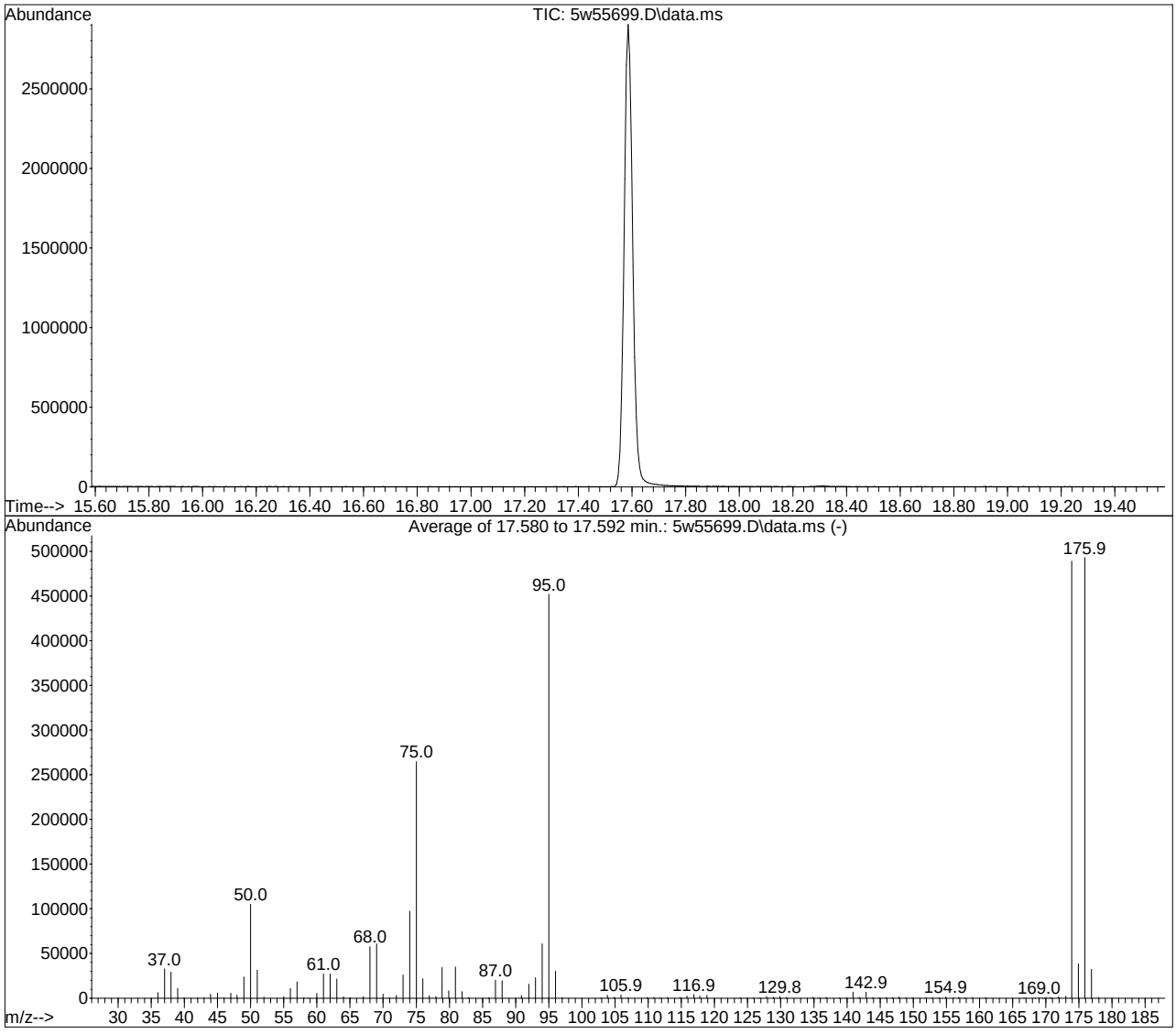
Average of 17.580 to 17.592 min.: 5w55663.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
141.85	720	153.85	184	169.70	481		
142.90	6717	154.90	1123	170.65	770		
143.90	421	156.90	727	171.00	256		
144.90	659	158.85	677	171.40	332		
145.85	771	160.85	595	171.80	819		
146.90	180	167.30	81	173.00	1816		
147.90	1131	167.70	117	173.90	426539		
148.85	406	168.00	89	174.90	32493		
149.90	626	168.30	209	175.90	413696		
151.85	296	168.90	142	176.90	27451		
153.00	232	169.20	87	177.95	825		

BFB

Data File : X:\Dayton VOA GCMS\g...024\V5W2133\5w55699.D Vial: 1
Acq On : 17 Dec 2024 7:52 pm Operator: thomash
Sample : bfb Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P

Method : C:\msdchem\1\methods\M5w2125.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um



AutoFind: Scans 2369, 2370, 2371; Background Corrected with Scan 2359

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	23.2	105096	PASS
75	95	30	66	58.6	264789	PASS
95	95	100	100	100.0	452053	PASS
96	95	5	9	6.6	29944	PASS
173	174	0.00	2	0.4	2112	PASS
174	95	50	120	108.2	488917	PASS
175	174	4	9	7.9	38499	PASS
176	174	93	101	100.8	492928	PASS
177	176	5	9	6.6	32312	PASS

5w55699.D M5w2125.M Wed Dec 18 19:04:06 2024

Average of 17.580 to 17.592 min.: 5w55699.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	6122	47.95	3333	61.00	27261	73.00	25893
37.00	32880	49.00	23784	62.00	27029	74.00	97128
38.00	29173	50.00	105096	63.00	21448	75.00	264789
39.00	10698	51.00	31357	64.00	1715	76.00	21672
39.95	458	52.00	1362	65.05	454	76.95	2719
42.00	70	55.00	1658	67.00	1681	77.95	1788
42.95	414	56.00	10854	68.00	57627	78.90	34237
43.95	4439	57.00	18149	69.00	60885	79.90	8336
45.00	5558	58.05	704	70.00	4515	80.90	35016
45.95	615	58.70	67	70.90	159	81.90	7233
47.00	5559	60.00	5242	72.00	3123	82.90	782

Average of 17.580 to 17.592 min.: 5w55699.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
85.90	470	103.85	3393	117.80	2408	135.80	72
86.95	20229	104.90	995	118.85	3415	136.85	1048
87.95	19427	105.90	3547	123.85	357	138.85	187
90.85	2909	106.85	594	124.90	68	139.90	567
92.00	15755	109.85	600	125.85	273	140.90	6636
93.00	22952	110.85	911	126.80	93	141.85	880
94.00	60709	111.80	536	127.85	1812	142.90	6852
95.00	452053	112.90	865	128.90	1015	143.85	425
96.00	29944	114.80	689	129.85	1859	144.85	535
97.00	879	115.85	2320	130.85	664	145.90	870
102.85	434	116.90	4223	134.85	994	146.85	313

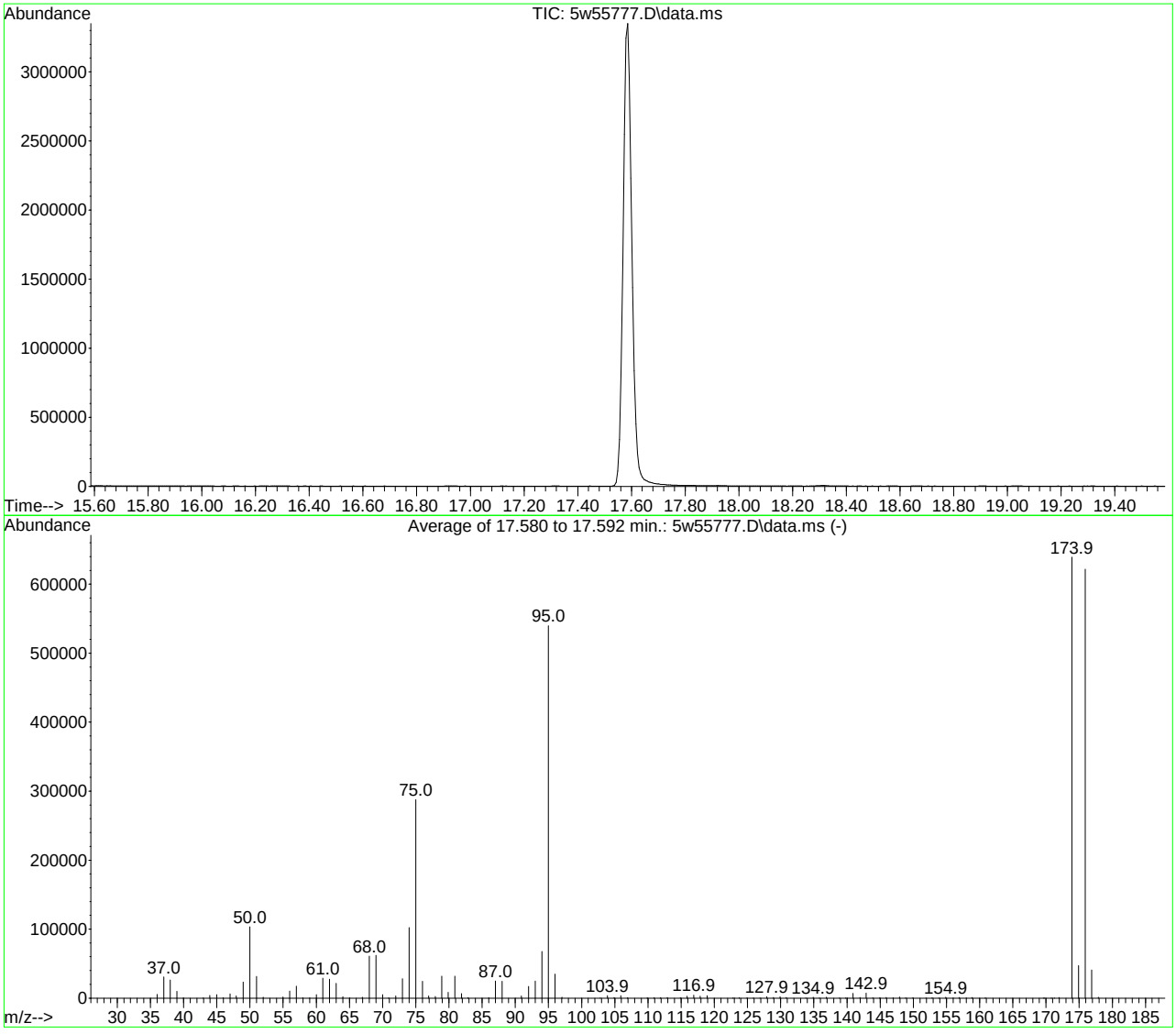
Average of 17.580 to 17.592 min.: 5w55699.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
147.85	1350	160.90	871	172.10	526		
148.90	380	166.70	73	173.00	2112		
149.85	686	167.00	77	173.90	488917		
151.90	234	168.40	94	174.90	38499		
152.85	367	169.00	316	175.90	492928		
153.90	377	169.50	118	176.90	32312		
154.90	1409	169.80	161	177.95	825		
156.00	71	170.10	175				
156.85	927	170.65	431				
157.80	91	170.90	330				
158.90	708	171.90	1206				

BFB

Data File : X:\Dayton VOA GCMS\l...024\v5w2136\5w55777.D Vial: 2
Acq On : 20 Dec 2024 12:26 pm Operator: thomash
Sample : bfb Inst : GCMS5W
Misc : MS88104,V5W2136,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P

Method : C:\msdchem\1\methods\M5w2125.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um



AutoFind: Scans 2369, 2370, 2371; Background Corrected with Scan 2358

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	19.2	103472	PASS
75	95	30	66	53.3	287701	PASS
95	95	100	100	100.0	539797	PASS
96	95	5	9	6.5	34869	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	118.4	639147	PASS
175	174	4	9	7.4	46992	PASS
176	174	93	101	97.3	621632	PASS
177	176	5	9	6.6	40723	PASS

5w55777.D M5w2125.M Mon Dec 23 07:13:21 2024

Average of 17.580 to 17.592 min.: 5w55777.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	5375	49.00	23344	62.00	27269	74.00	102227
37.00	30787	50.00	103472	63.00	21483	75.00	287701
38.00	26269	51.00	31461	64.00	1926	76.00	24525
39.00	10012	52.00	1300	65.05	376	76.95	3316
39.95	230	55.00	1505	66.95	1457	77.95	2608
42.95	322	56.00	10283	68.00	60795	78.90	31819
43.95	3977	57.00	17350	69.00	61941	79.90	8424
45.00	4992	57.95	691	70.00	5194	80.90	32005
45.95	566	59.00	67	70.90	105	81.90	6577
47.00	6174	60.00	5052	72.00	3099	82.85	741
47.95	3300	61.00	28747	73.00	28032	86.00	703

Average of 17.580 to 17.592 min.: 5w55777.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
87.00	24803	104.90	1134	118.90	3395	133.80	69
88.00	24416	105.90	3409	122.80	78	134.90	1274
90.90	3221	106.90	750	123.00	76	135.85	266
92.00	16939	109.90	519	123.75	421	136.90	1228
93.00	24885	110.90	732	124.90	81	138.85	295
94.00	67773	111.85	689	125.90	285	139.80	345
95.00	539797	112.90	839	126.90	161	140.00	144
96.00	34869	114.90	592	127.90	2190	140.90	6895
97.05	1187	115.90	2671	128.90	1022	141.95	801
102.80	370	116.90	4487	129.90	2123	142.90	7174
103.90	3707	117.85	2899	130.85	871	143.90	467

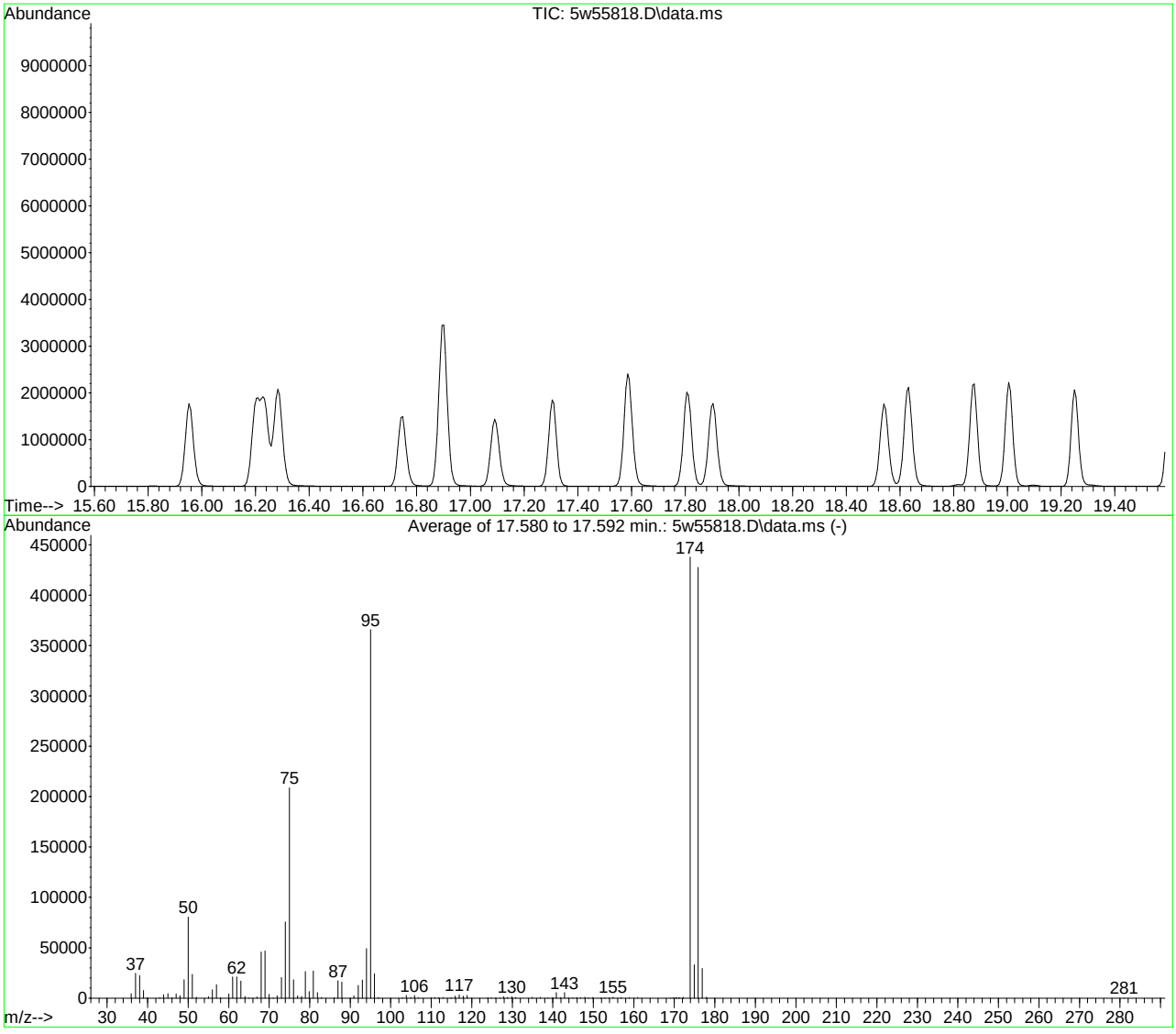
Average of 17.580 to 17.592 min.: 5w55777.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
144.95	579	156.90	1101	175.90	621632		
145.90	919	158.00	67	176.90	40723		
146.95	427	158.85	850	177.90	1217		
147.90	1717	160.85	732				
148.85	431	169.60	71				
149.95	611	169.80	90				
151.90	370	170.80	212				
152.85	427	171.25	394				
153.85	384	171.95	1039				
154.90	1423	173.90	639147				
156.00	67	174.90	46992				

BFB

Data File : C:\msdchem\1\DATA\5w55818.D Vial: 1
Acq On : 23 Dec 2024 8:13 am Operator: thomash
Sample : bfb Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P

Method : Z:\Dayton\MSAIR_Methods\M5w2125.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um



AutoFind: Scans 2369, 2370, 2371; Background Corrected with Scan 2359

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	22.0	80464	PASS
75	95	30	66	57.0	208725	PASS
95	95	100	100	100.0	365867	PASS
96	95	5	9	6.6	24203	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	119.7	437760	PASS
175	174	4	9	7.5	33048	PASS
176	174	93	101	97.7	427712	PASS
177	176	5	9	6.9	29384	PASS

5w55818.D M5w2125.M Mon Dec 23 13:39:03 2024

Average of 17.580 to 17.592 min.: 5w55818.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.95	4503	49.00	18299	63.00	17013	75.00	208725
37.00	24683	50.00	80464	64.00	1589	76.00	18344
38.00	22280	51.00	23667	65.00	201	77.00	2501
39.00	7634	52.05	908	67.00	1153	77.95	1660
39.90	331	55.00	1431	68.00	45832	78.90	26499
43.00	451	56.00	8261	69.00	46893	79.90	6497
43.95	3418	57.00	13481	70.00	3816	80.90	26827
45.00	4352	58.00	494	71.00	83	81.90	5505
46.00	443	60.00	4301	71.95	2456	82.90	690
47.00	4319	61.00	21013	73.00	20453	86.00	467
48.00	2550	62.00	21091	74.00	75576	87.00	17270

Average of 17.580 to 17.592 min.: 5w55818.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
87.95	15974	105.90	2767	123.95	276	139.85	222
90.90	2419	106.90	525	124.80	68	140.10	125
92.00	12633	109.90	511	125.90	67	140.90	5477
93.00	17995	110.90	660	126.90	79	141.95	763
94.00	49232	111.85	484	127.85	1357	142.90	5567
95.00	365867	112.90	696	128.85	675	143.85	317
96.00	24203	114.90	483	129.90	1540	144.90	420
97.00	677	115.90	1917	130.85	536	145.85	584
102.90	310	116.90	3074	134.90	997	146.85	313
103.85	2628	117.90	1957	136.90	827	147.90	1036
104.90	735	118.90	2598	138.80	80	148.80	270

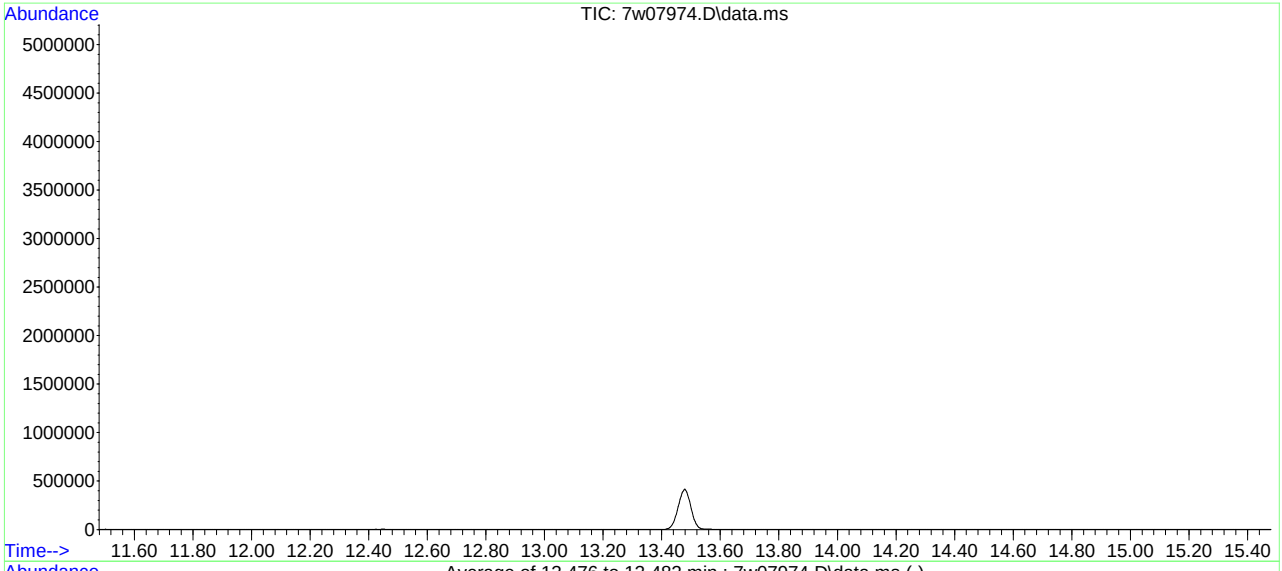
Average of 17.580 to 17.592 min.: 5w55818.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
149.85	533	170.40	317				
151.85	150	170.60	208				
152.85	293	171.10	283				
153.95	255	171.40	234				
154.90	1037	172.20	838				
156.85	732	173.90	437760				
158.90	596	174.95	33048				
160.95	599	175.90	427712				
169.00	240	176.90	29384				
169.65	206	177.90	828				
170.00	99	281.05	180				

BFB

Data File : C:\msdchem\1\data\7w\7w07974.D Vial: 1
Acq On : 18 Aug 2024 9:06 pm Operator: benk
Sample : bfb Inst : MS7W
Misc : MS74014,v7w305,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7Wbfb.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um



AutoFind: Scans 4164, 4165, 4166; Background Corrected with Scan 4136

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	24.4	20443	PASS
75	95	30	66	51.7	43320	PASS
95	95	100	100	100.0	83736	PASS
96	95	5	9	7.1	5915	PASS
173	174	0.00	2	1.0	627	PASS
174	95	50	120	73.5	61525	PASS
175	174	4	9	7.4	4526	PASS
176	174	93	101	95.5	58768	PASS
177	176	5	9	6.6	3856	PASS

7w07974.D M7Wbfb.M Mon Aug 19 09:00:03 2024

Average of 13.476 to 13.482 min.: 7w07974.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	954	50.00	20443	64.00	287	77.90	308
37.00	5028	51.00	6530	67.05	196	78.90	2955
38.00	4273	52.00	277	68.00	8935	79.90	767
39.05	1813	55.05	302	69.00	9076	80.90	3037
43.00	64	55.95	1451	70.00	861	81.85	668
44.00	709	57.00	2901	71.85	499	82.80	43
45.00	966	58.05	156	73.00	3880	83.10	21
46.15	74	60.00	997	74.00	15013	85.90	103
46.95	1367	61.00	4528	75.00	43320	86.95	3242
47.95	630	62.00	4774	76.00	3458	87.95	2880
49.00	4424	63.00	3558	77.00	539	90.85	322

Average of 13.476 to 13.482 min.: 7w07974.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
92.00	2543	110.70	18	127.80	278	142.90	820
93.00	3598	111.05	100	128.70	51	144.00	19
94.00	10531	111.85	87	128.85	135	145.10	22
95.00	83736	112.80	110	129.85	322	145.90	187
96.00	5915	114.85	70	130.85	96	146.70	18
96.95	196	115.85	319	134.75	134	147.90	227
103.90	411	116.85	545	136.90	163	148.70	25
104.80	147	117.85	347	139.70	38	149.85	79
105.85	388	118.85	467	139.90	58	151.90	22
106.90	91	123.80	42	140.90	764	154.80	150
109.80	78	126.90	18	141.85	63	156.90	122

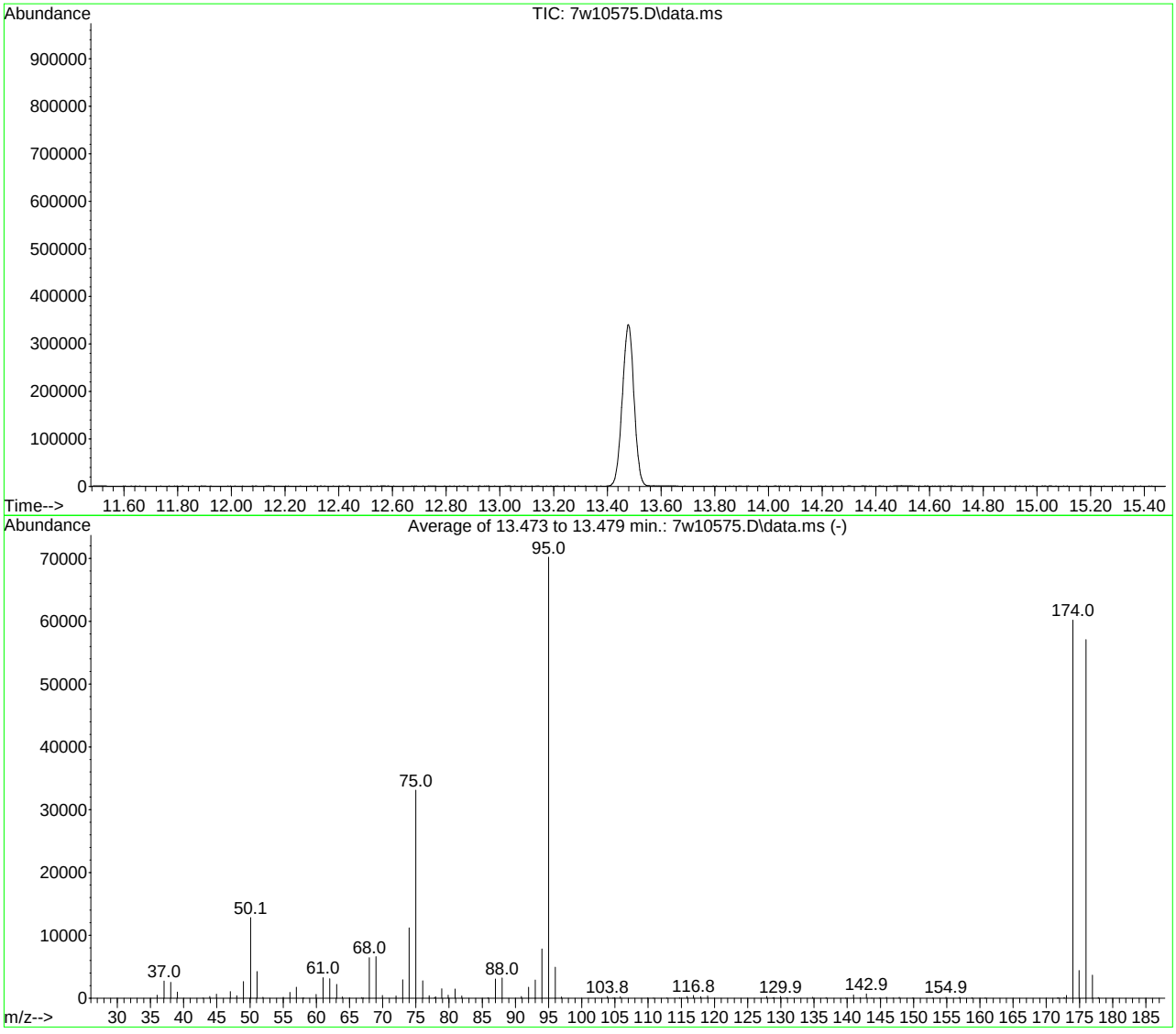
Average of 13.476 to 13.482 min.: 7w07974.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
158.70	34						
158.85	62						
160.80	94						
171.90	37						
173.05	627						
173.90	61525						
174.90	4526						
175.90	58768						
176.90	3856						
177.85	99						

BFB

Data File : X:\Dayton VOA GCMS\l...2024\v7w387\7w10575.D Vial: 1
Acq On : 18 Nov 2024 8:59 am Operator: bkim
Sample : bfb Inst : MS7W
Misc : MS87131,v7w387,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7W305.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um



AutoFind: Scans 4163, 4164, 4165; Background Corrected with Scan 4136

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	18.3	12830	PASS
75	95	30	66	47.2	33101	PASS
95	95	100	100	100.0	70203	PASS
96	95	5	9	7.0	4918	PASS
173	174	0.00	2	0.7	423	PASS
174	95	50	120	85.7	60187	PASS
175	174	4	9	7.3	4410	PASS
176	174	93	101	94.8	57075	PASS
177	176	5	9	6.4	3652	PASS

7w10575.D M7W305.M Tue Nov 19 04:46:34 2024

Average of 13.473 to 13.479 min.: 7w10575.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	475	51.05	4235	63.90	177	76.05	2751
37.05	2709	51.95	158	65.00	37	77.00	389
38.05	2533	55.00	140	66.85	109	77.80	90
39.05	947	56.00	916	67.10	37	77.95	221
42.90	23	57.00	1757	68.00	6431	78.90	1509
43.95	261	57.90	27	69.00	6603	79.85	467
44.95	636	58.10	20	69.95	418	80.90	1455
47.05	1056	59.95	592	72.00	348	81.90	341
48.00	407	61.00	3253	73.00	2933	85.85	76
49.00	2644	62.00	3100	74.00	11184	87.00	3069
50.10	12830	63.05	2183	75.00	33101	88.00	3197

Average of 13.473 to 13.479 min.: 7w10575.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
90.90	255	109.90	18	129.95	257	146.90	19
92.00	1740	110.80	17	130.85	68	147.85	138
93.00	2896	112.80	29	134.80	126	149.90	44
94.00	7840	114.75	68	136.80	115	152.90	28
95.00	70203	115.85	259	139.80	18	154.90	165
96.00	4918	116.85	426	140.95	528	156.95	137
96.95	169	117.90	226	141.95	63	158.80	72
103.85	284	118.95	352	142.90	664	160.80	50
104.70	19	127.85	254	143.70	17	171.70	27
104.90	64	128.80	58	144.90	40	171.85	79
105.80	241	128.95	102	145.90	126	172.70	98

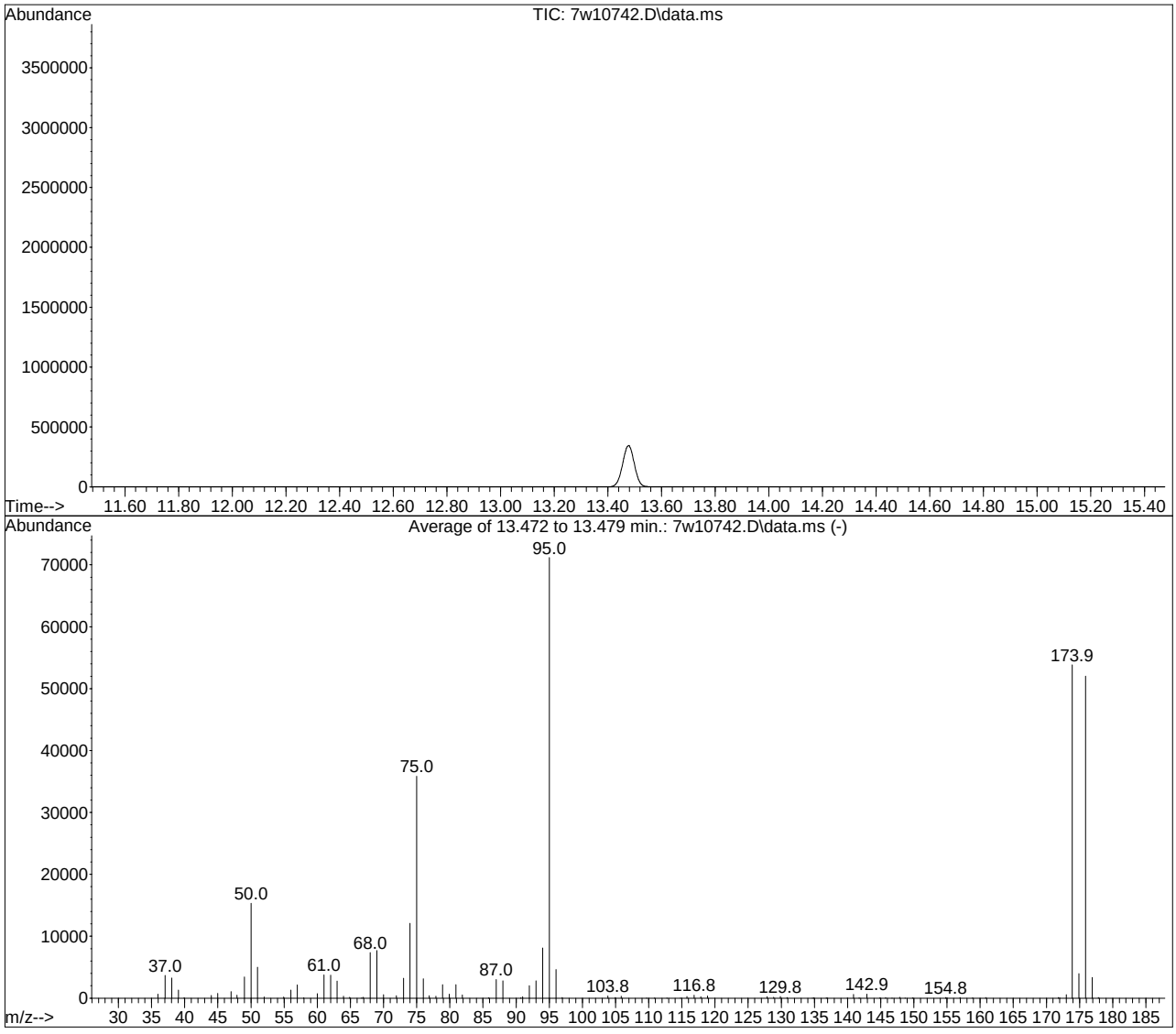
Average of 13.473 to 13.479 min.: 7w10575.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
173.05	423						
174.00	60187						
174.95	4410						
176.00	57075						
176.95	3652						
177.85	105						

BFB

Data File : X:\Dayton VOA GCMS\g...2024\V7W392\7w10742.D Vial: 1
Acq On : 25 Nov 2024 8:36 am Operator: williamc
Sample : bfb Inst : MS7W
Misc : MS87372,v7w392,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7W305.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um



AutoFind: Scans 4163, 4164, 4165; Background Corrected with Scan 4136

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	21.5	15330	PASS
75	95	30	66	50.4	35867	PASS
95	95	100	100	100.0	71168	PASS
96	95	5	9	6.5	4636	PASS
173	174	0.00	2	1.0	555	PASS
174	95	50	120	75.6	53835	PASS
175	174	4	9	7.4	3970	PASS
176	174	93	101	96.7	52037	PASS
177	176	5	9	6.4	3340	PASS

7w10742.D M7W305.M Mon Nov 25 21:29:15 2024

Average of 13.472 to 13.479 min.: 7w10742.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.95	641	51.00	4982	64.90	144	76.90	403
37.05	3658	52.00	195	66.70	51	77.90	308
38.05	3278	54.95	198	66.95	138	78.90	2163
39.05	1292	56.00	1308	68.00	7370	79.90	654
39.90	49	57.00	2150	69.00	7690	80.90	2160
44.00	441	57.95	73	70.00	553	81.90	543
45.00	753	60.00	718	71.95	405	85.85	78
47.00	1071	61.00	3758	73.00	3211	87.00	3023
47.90	460	62.00	3712	74.00	12109	88.00	2797
49.00	3430	63.00	2770	75.00	35867	90.70	58
50.00	15330	63.95	296	76.00	3130	91.00	223

Average of 13.472 to 13.479 min.: 7w10742.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
92.00	2017	112.75	43	134.90	74	148.70	17
93.00	2791	114.80	24	136.80	86	149.80	54
94.00	8088	115.75	264	137.00	34	154.80	124
95.00	71168	116.85	460	139.95	38	155.00	65
96.00	4636	117.85	217	140.90	597	156.95	107
96.95	121	118.85	364	141.75	57	158.85	86
103.85	357	127.85	236	142.90	649	160.85	120
104.95	92	128.85	136	144.90	53	171.80	108
105.85	320	129.85	257	145.75	98	172.00	45
109.70	17	130.85	98	146.70	18	173.00	555
110.85	39	134.70	35	147.85	128	173.90	53835

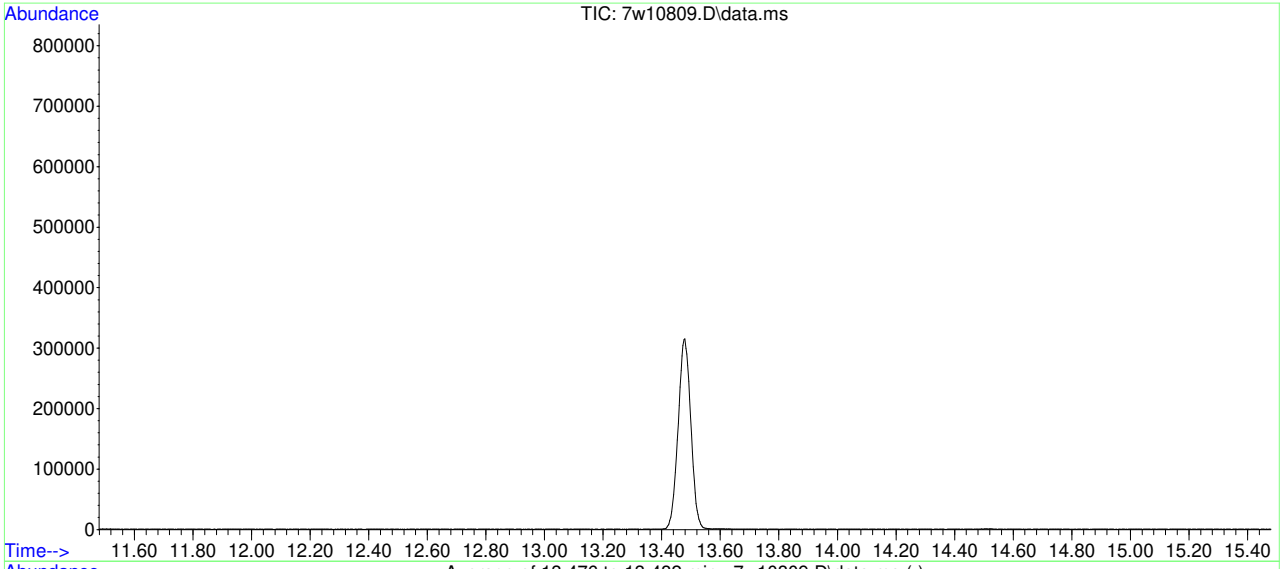
Average of 13.472 to 13.479 min.: 7w10742.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
174.90	3970						
175.90	52037						
176.90	3340						
177.85	124						

BFB

Data File : C:\msdchem\1\data\7w10809.D Vial: 1
Acq On : 27 Nov 2024 6:19 pm Operator: benk
Sample : bfb Inst : MS7W
Misc : MS87455,v7w394,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7W305.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um



AutoFind: Scans 4164, 4165, 4166; Background Corrected with Scan 4136

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	19.4	13271	PASS
75	95	30	66	46.6	31925	PASS
95	95	100	100	100.0	68491	PASS
96	95	5	9	6.5	4421	PASS
173	174	0.00	2	0.7	351	PASS
174	95	50	120	72.2	49464	PASS
175	174	4	9	7.2	3552	PASS
176	174	93	101	95.8	47395	PASS
177	176	5	9	6.7	3165	PASS

7w10809.D M7W305.M Sat Nov 30 14:44:15 2024

Average of 13.476 to 13.482 min.: 7w10809.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.95	563	51.00	4124	66.85	137	78.85	1375
37.00	3096	51.90	168	67.95	6265	79.85	420
38.00	2699	54.90	139	69.00	6563	80.85	1420
39.00	1168	55.90	1127	69.95	560	81.85	281
39.90	25	56.95	1774	71.95	339	85.70	24
43.90	230	58.00	73	73.00	2600	86.90	3497
44.90	578	59.85	592	74.00	10937	87.90	3242
46.95	1106	60.95	2830	75.00	31925	90.85	202
47.95	427	62.00	2954	76.00	3099	91.95	1692
48.95	2920	62.95	2253	76.95	431	92.90	2533
50.00	13271	63.95	166	77.90	306	94.00	7928

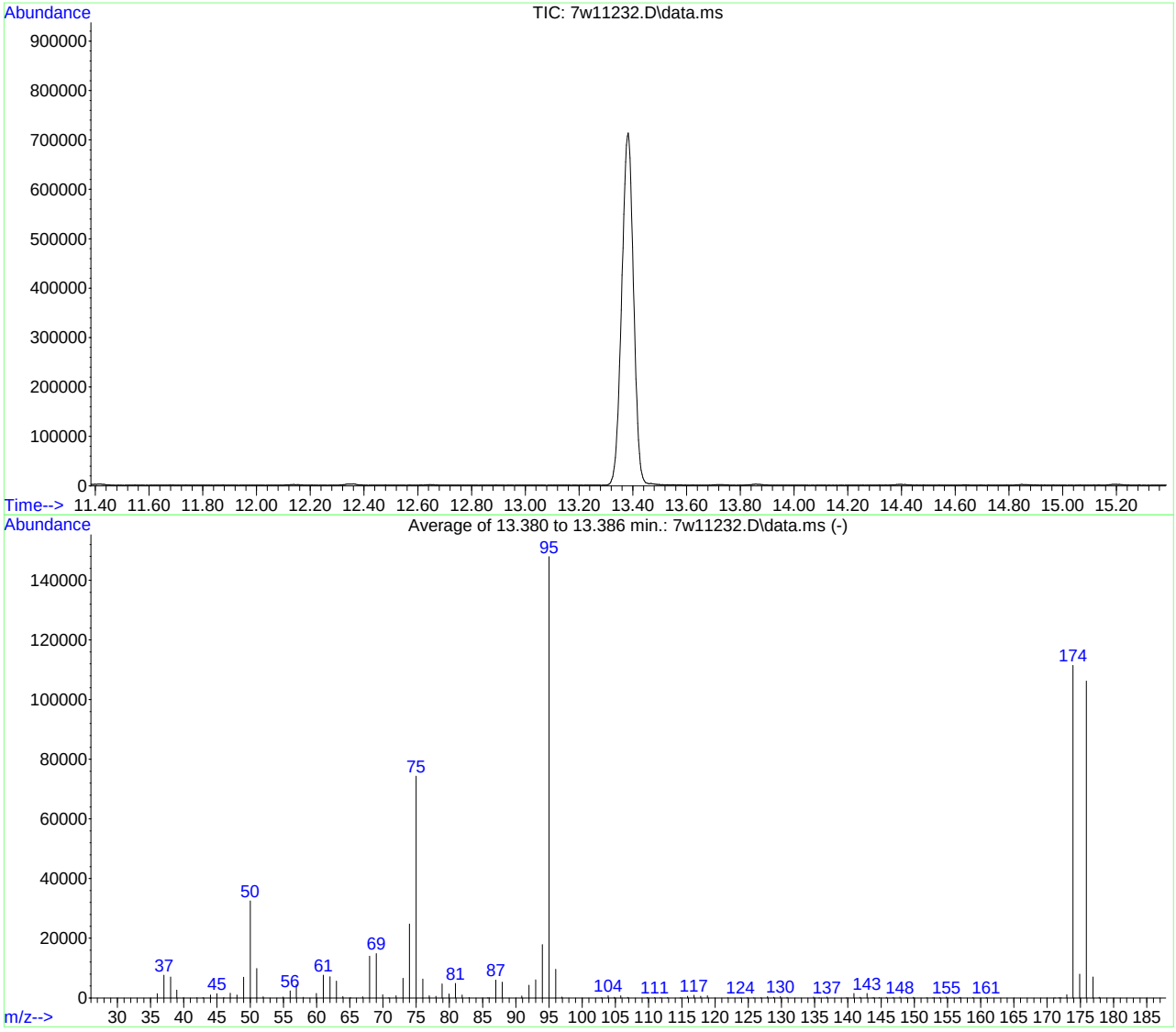
Average of 13.476 to 13.482 min.: 7w10809.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
95.00	68491	116.80	337	141.70	17	173.90	49464
96.00	4421	117.85	179	142.85	478	174.90	3552
96.80	46	118.75	261	145.65	51	175.90	47395
96.95	63	127.85	212	147.80	220	176.90	3165
103.80	221	128.85	136	148.75	53	177.75	88
104.85	101	129.85	185	153.80	17		
105.85	219	130.75	121	154.80	148		
106.85	60	134.80	71	156.85	101		
112.70	20	136.70	24	158.85	47		
114.80	41	136.90	51	171.95	75		
115.80	205	140.80	449	172.90	351		

BFB

Data File : C:\msdchem\1\data\7w\7w11232.D Vial: 2
Acq On : 28 Dec 2024 8:40 am Operator: benk
Sample : bfb Inst : MS7W
Misc : MS74014,v7w405,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7Wbfb.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um



AutoFind: Scans 4134, 4135, 4136; Background Corrected with Scan 4106

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	22.0	32515	PASS
75	95	30	66	50.3	74333	PASS
95	95	100	100	100.0	147925	PASS
96	95	5	9	6.5	9647	PASS
173	174	0.00	2	1.0	1064	PASS
174	95	50	120	75.4	111515	PASS
175	174	4	9	7.1	7970	PASS
176	174	93	101	95.3	106229	PASS
177	176	5	9	6.6	7045	PASS

7w11232.D M7Wbfb.M Sun Dec 29 09:54:16 2024

Average of 13.380 to 13.386 min.: 7w11232.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	1402	48.00	1003	62.00	7132	74.00	24797
37.00	7618	49.00	6981	63.00	5659	75.00	74333
38.00	7021	50.00	32515	63.95	501	76.00	6343
38.95	2652	51.00	9850	65.10	21	76.95	767
39.95	34	51.95	394	66.95	355	77.95	553
41.95	51	54.95	341	68.00	14030	78.90	4693
42.90	121	56.00	2407	69.00	14907	79.95	1349
44.00	960	56.95	4434	69.95	1121	80.90	4870
45.00	1405	58.00	213	70.90	64	81.90	1038
46.05	107	59.95	1473	71.95	697	82.95	148
47.00	1628	61.00	7603	73.00	6600	85.80	39

Average of 13.380 to 13.386 min.: 7w11232.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
86.00	47	103.90	740	117.85	530	134.85	277
87.00	5962	104.85	212	118.85	720	135.70	37
87.95	5322	105.80	715	121.90	17	136.85	295
90.90	618	106.85	200	123.85	67	139.80	94
92.00	4261	109.80	117	124.80	67	140.90	1504
93.00	6046	110.90	151	125.80	39	141.85	239
94.00	17907	111.75	118	126.90	18	142.90	1536
95.00	147925	112.85	148	127.90	473	143.70	19
96.00	9647	114.80	171	128.85	243	143.90	76
96.95	279	115.85	570	129.85	477	144.75	129
102.85	95	116.85	884	130.85	240	145.80	187

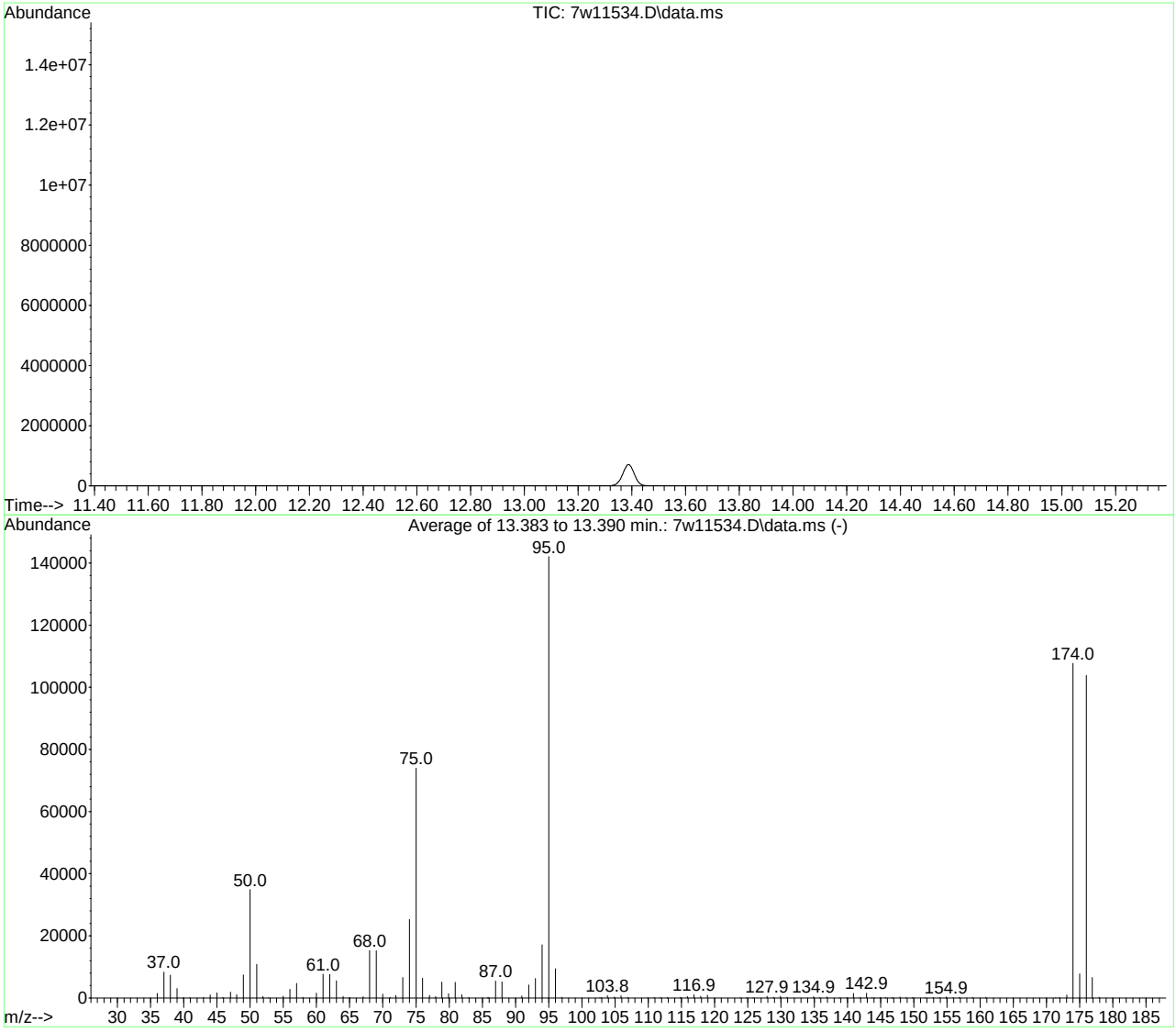
Average of 13.380 to 13.386 min.: 7w11232.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
146.85	96	158.85	148				
147.85	305	160.85	155				
148.80	105	171.20	18				
149.85	199	171.85	97				
151.85	46	172.10	38				
152.80	64	172.95	1064				
153.00	25	173.90	111515				
153.85	111	174.90	7970				
154.85	351	175.90	106229				
156.80	83	176.90	7045				
156.95	193	177.85	185				

BFB

Data File : X:\Dayton VOA GCMS\g...2025\V7W414\7w11534.D Vial: 9
Acq On : 6 Jan 2025 8:16 pm Operator: benk
Sample : bfb Inst : MS7W
Misc : MS88278,v7w414,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7W405.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um



AutoFind: Scans 4135, 4136, 4137; Background Corrected with Scan 4108

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	24.5	34869	PASS
75	95	30	66	52.1	73968	PASS
95	95	100	100	100.0	142037	PASS
96	95	5	9	6.6	9382	PASS
173	174	0.00	2	0.9	971	PASS
174	95	50	120	75.9	107736	PASS
175	174	4	9	7.2	7770	PASS
176	174	93	101	96.4	103845	PASS
177	176	5	9	6.3	6589	PASS

7w11534.D M7W405.M Tue Jan 07 18:49:53 2025

Average of 13.383 to 13.390 min.: 7w11534.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	1463	48.00	1066	61.00	7634	73.00	6616
37.00	8297	49.00	7408	62.00	7547	74.00	25259
38.00	7366	50.00	34869	63.00	5520	75.00	73968
39.00	3030	51.00	10813	64.00	499	76.00	6325
39.90	48	51.95	448	65.00	110	77.05	802
40.95	59	52.80	18	67.05	416	77.95	497
42.95	166	55.00	530	68.00	15301	78.90	5112
44.00	978	56.00	2759	69.00	15192	79.90	1356
45.00	1576	57.00	4715	70.00	1229	80.90	5016
45.90	110	57.95	186	71.10	160	81.90	1007
47.05	1868	60.00	1528	71.95	764	82.95	125

Average of 13.383 to 13.390 min.: 7w11534.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
85.80	76	102.70	24	115.90	498	134.90	336
85.95	128	102.95	73	116.90	1012	135.80	45
87.00	5407	103.85	699	117.90	571	136.90	263
87.95	5193	104.90	283	118.90	873	138.80	19
90.95	616	105.90	696	123.85	82	139.90	113
92.00	4187	106.90	131	124.80	38	140.90	1462
93.00	6231	109.90	81	125.80	36	141.90	163
94.00	17075	110.90	150	127.90	553	142.90	1569
95.00	142037	111.85	109	128.85	197	143.75	66
96.00	9382	112.85	111	129.90	524	144.10	26
96.95	237	114.85	193	130.90	220	144.95	114

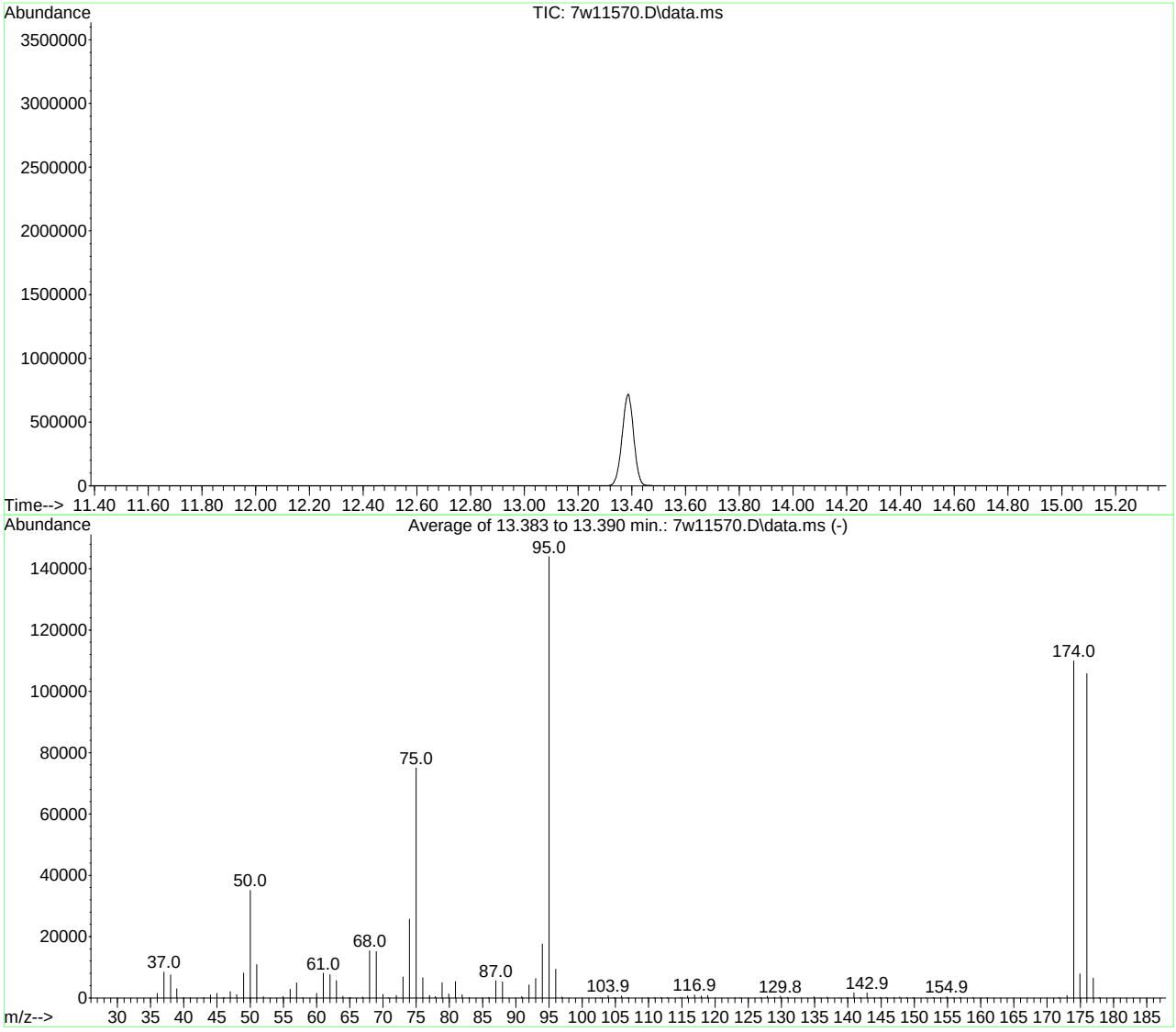
Average of 13.383 to 13.390 min.: 7w11534.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
145.75	164	156.85	227				
146.70	28	158.85	155				
146.85	60	160.85	183				
147.90	282	171.40	20				
148.80	73	171.95	153				
149.80	139	173.05	971				
151.70	17	174.00	107736				
152.90	96	175.00	7770				
153.90	61	176.00	103845				
154.90	315	176.90	6589				
155.95	57	177.95	206				

BFB

Data File : X:\Dayton VOA GCMS\g...2025\V7W415\7w11570.D Vial: 9
Acq On : 7 Jan 2025 8:52 pm Operator: benk
Sample : bfb Inst : MS7W
Misc : MS88278,v7w415,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7W405.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um



AutoFind: Scans 4135, 4136, 4137; Background Corrected with Scan 4106

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	24.4	35117	PASS
75	95	30	66	52.1	74984	PASS
95	95	100	100	100.0	143936	PASS
96	95	5	9	6.5	9388	PASS
173	174	0.00	2	0.8	832	PASS
174	95	50	120	76.4	109941	PASS
175	174	4	9	7.1	7809	PASS
176	174	93	101	96.2	105816	PASS
177	176	5	9	6.2	6522	PASS

7w11570.D M7W405.M Wed Jan 08 21:36:24 2025

Average of 13.383 to 13.390 min.: 7w11570.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	1496	47.00	2020	61.00	8126	72.00	842
37.00	8420	47.95	1047	62.00	7624	73.00	6816
38.00	7499	49.00	8077	63.00	5648	74.00	25712
38.95	2971	50.00	35117	63.95	566	75.00	74984
39.95	66	51.00	10884	64.90	57	76.00	6628
41.00	69	52.00	402	65.10	26	77.00	798
43.00	101	54.95	463	66.95	343	77.90	492
44.00	966	56.00	2837	68.00	15401	78.90	5029
45.00	1464	57.00	4928	69.00	15175	79.90	1342
45.90	40	57.90	152	70.00	1171	80.90	5342
46.15	77	60.00	1466	70.80	17	81.90	1051

Average of 13.383 to 13.390 min.: 7w11570.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
82.95	105	102.80	48	116.90	952	135.80	17
85.95	162	103.90	757	117.90	630	136.90	261
87.00	5608	104.85	169	118.90	785	138.70	25
88.00	5252	105.90	664	123.00	20	139.85	109
90.90	511	106.85	131	123.75	83	140.90	1608
92.00	4243	109.85	79	126.90	20	141.85	155
93.00	6319	110.90	150	127.85	526	142.90	1622
94.00	17568	111.85	121	128.95	254	143.95	61
95.00	143936	112.85	174	129.85	526	144.85	115
96.00	9388	114.80	158	130.90	190	145.80	193
96.95	283	115.85	600	134.90	351	146.95	88

Average of 13.383 to 13.390 min.: 7w11570.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
147.80	284	171.75	145				
148.85	95	173.00	832				
149.80	138	174.00	109941				
151.75	84	174.95	7809				
152.85	122	176.00	105816				
153.95	50	176.95	6522				
154.90	363	177.85	140				
155.90	47						
156.90	215						
158.85	168						
160.95	136						

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55459.D
Acq On : 9 Dec 2024 4:14 am
Operator : benk
Sample : ic2125-0.04
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 14:26:47 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.663	128	339655	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.835	114	1562017	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	15.347	82	815644	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.663	128	339655	10.00	PPBV	#	0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	17.592	95	987267	10.65	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 106.50%				
Target Compounds							Qvalue
2) FREON 115	3.466	119	2172	0.04	PPBV		97
3) FREON 152A	3.546	65	1042	0.04	PPBV		94
4) CHLORODIFLUOROMETHANE	3.576	67	402	0.03	PPBV	#	42
5) CHLOROTRIFLUOROETHENE	3.613	116	2393	0.04	PPBV		98
6) DICHLORODIFLUOROMETHANE	3.656	85	5059	0.04	PPBV		99
7) PROPYLENE	3.601	41	1813	0.06	PPBV	#	71
8) 1-CHLORO-1,1-DIFLUOROE...	3.760	65	5772	0.05	PPBV		93
9) FREON 114	3.839	85	6871	0.04	PPBV		95
10) CHLOROMETHANE	3.778	52	563	0.04	PPBV	#	19
11) VINYL CHLORIDE	3.931	62	2457	0.04	PPBV	#	88
12) 1,3-BUTADIENE	4.035	54	2084	0.06	PPBV	#	65
15) CHLOROETHANE	4.365	64	1195	0.05	PPBV		73
16) DICHLOROFLUOROMETHANE	4.421	67	6506	0.05	PPBV	#	97
19) FREON 123	4.739	83	6283	0.05	PPBV	#	69
20) FREON 123A	4.782	117	3192	0.05	PPBV	#	67
21) TRICHLOROFLUOROMETHANE	4.947	101	4659	0.04	PPBV		93
24) PENTANE	5.234	42	1715	0.05	PPBV		85
25) IODOMETHANE	5.424	142	3839	0.04	PPBV		98
26) 1,1-DICHLOROETHYLENE	5.491	96	1503	0.04	PPBV		85
27) CARBON DISULFIDE	5.846	76	3987	0.04	PPBV	#	71
29) BROMOETHENE	4.629	106	2097	0.04	PPBV	#	72
31) METHYLENE CHLORIDE	5.595	84	1675	0.05	PPBV		87
32) 3-CHLOROPROPENE	5.693	76	558	0.03	PPBV	#	1
33) FREON 113	5.822	151	2213	0.04	PPBV		85
34) TRANS-1,2-DICHLOROETHY...	6.452	96	1478	0.04	PPBV		87
35) TERTIARY BUTYL ALCOHOL	5.662	59	2332	0.03	PPBV	#	69
36) METHYL TERTIARY BUTYL ...	6.806	73	3795	0.04	PPBV		88
38) HEXANE	7.706	57	1901	0.03	PPBV	#	76
40) 1,1-DICHLOROETHANE	6.647	63	2879	0.04	PPBV		87
42) cis-1,2-DICHLOROETHYLENE	7.492	96	1626	0.04	PPBV		83
46) CHLOROFORM	7.810	83	3517	0.04	PPBV		96
47) 2,4-DIMETHYLPENTANE	8.666	57	2035	0.03	PPBV		84
48) 1,1,1-TRICHLOROETHANE	8.874	97	3477	0.04	PPBV		94
49) CARBON TETRACHLORIDE	9.572	117	3442	0.04	PPBV		88
50) 1,2-DICHLOROETHANE	8.611	62	2033	0.03	PPBV	#	91
52) BENZENE	9.400	78	4500	0.04	PPBV		98
53) CYCLOHEXANE	9.694	84	1364	0.03	PPBV		88
54) 2,3-DIMETHYLPENTANE	10.000	71	683	0.03	PPBV	#	38
55) TRICHLOROETHYLENE	10.655	95	2173	0.04	PPBV		93
56) 1,2-DICHLOROPROPANE	10.373	63	1879	0.04	PPBV		67
57) DIBROMOMETHANE	10.349	174	2796	0.05	PPBV		95
59) BROMODICHLOROMETHANE	10.606	83	3467	0.03	PPBV		99
60) 2,2,4-TRIMETHYLPENTANE	10.691	57	6036	0.03	PPBV	#	91
62) HEPTANE	11.040	43	2264	0.03	PPBV		83
65) cis-1,3-DICHLOROPROPENE	11.756	75	2163	0.03	PPBV		73
66) TOLUENE	12.979	92	2538	0.03	PPBV		95
67) 1,3-DICHLOROPROPANE	13.028	76	2245	0.03	PPBV	#	80

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55459.D
Acq On : 9 Dec 2024 4:14 am
Operator : benk
Sample : ic2125-0.04
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 14:26:47 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

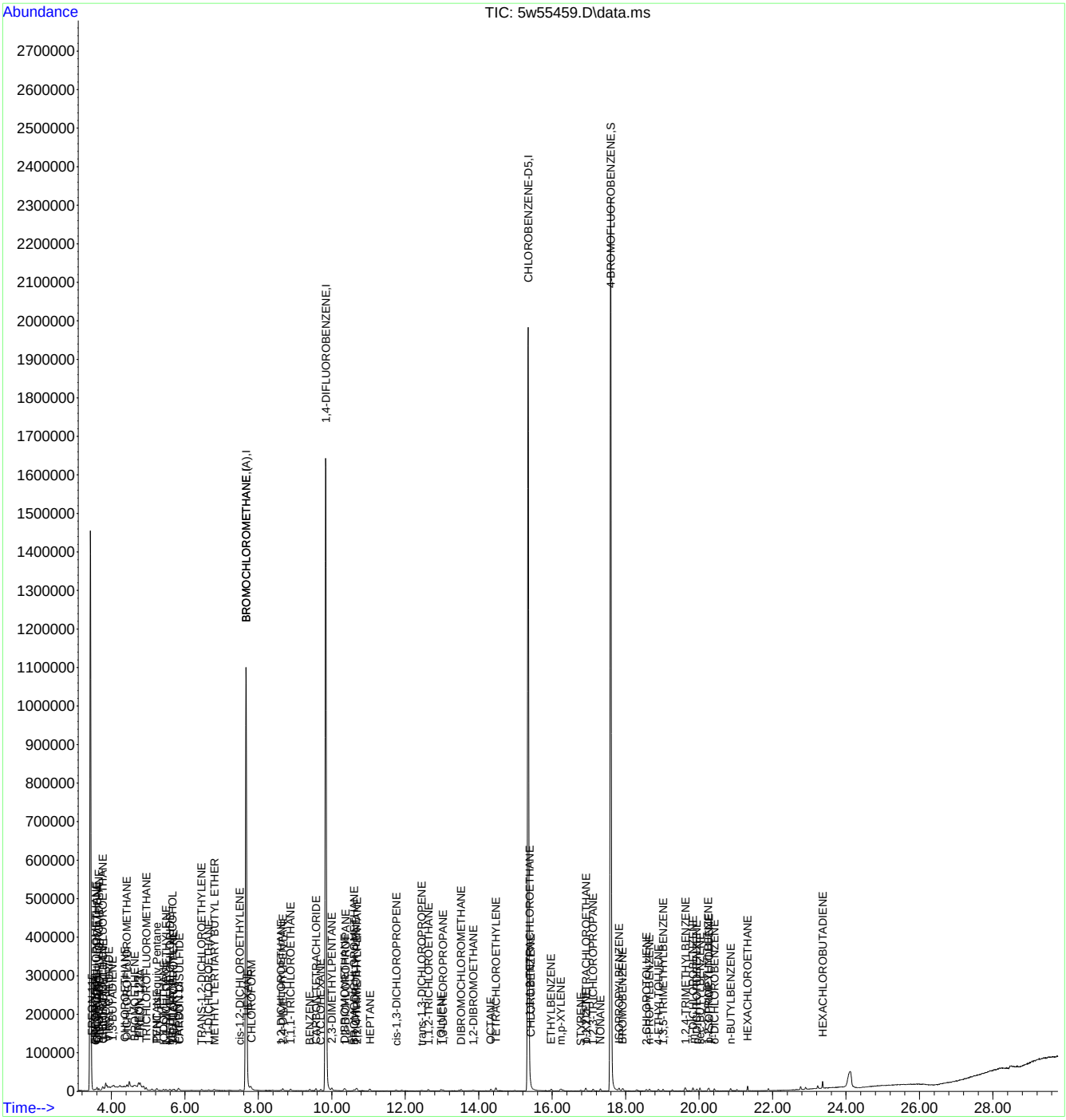
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
68)	trans-1,3-DICHLOROPROPENE	12.441	75	1621	0.02	PPBV	#	72
69)	1,1,2-TRICHLOROETHANE	12.631	83	1711	0.03	PPBV		91
73)	TETRACHLOROETHYLENE	14.466	164	2289	0.04	PPBV		96
74)	DIBROMOCHLOROMETHANE	13.518	129	2451	0.02	PPBV		92
75)	1,2-DIBROMOETHANE	13.848	107	2444	0.03	PPBV	#	99
76)	OCTANE	14.325	43	2490	0.03	PPBV		88
77)	1,1,1,2-TETRACHLOROETHANE	15.390	131	2034	0.03	PPBV		90
78)	CHLOROBENZENE	15.414	112	4300	0.04	PPBV	#	48
79)	ETHYLBENZENE	15.971	91	5680	0.03	PPBV		91
80)	m,p-XYLENE	16.234	106	3582	0.05	PPBV	#	78
81)	o-XYLENE	16.913	106	1696	0.03	PPBV		91
82)	STYRENE	16.778	104	2235	0.02	PPBV		85
83)	NONANE	17.311	43	2668	0.03	PPBV	#	83
86)	1,1,2,2-TETRACHLOROETHANE	16.925	83	4487	0.04	PPBV	#	92
87)	1,2,3-TRICHLOROPROPANE	17.109	75	3082	0.04	PPBV		85
88)	ISOPROPYLBENZENE	17.818	105	6235	0.03	PPBV		95
89)	BROMOBENZENE	17.916	77	3942	0.04	PPBV		88
90)	2-CHLOROTOLUENE	18.565	126	1257	0.03	PPBV		59
91)	n-PROPYLBENZENE	18.644	120	1200	0.02	PPBV	#	61
92)	4-ETHYLTOLUENE	18.889	105	4926	0.03	PPBV	#	97
93)	1,3,5-TRIMETHYLBENZENE	19.017	105	4056	0.03	PPBV		94
96)	1,2,4-TRIMETHYLBENZENE	19.635	105	4381	0.03	PPBV		95
97)	m-DICHLOROBENZENE	19.831	146	3796	0.03	PPBV		91
99)	p-DICHLOROBENZENE	19.935	146	3500	0.03	PPBV		96
100)	sec-BUTYLBENZENE	20.027	134	1089	0.03	PPBV	#	90
101)	1,2,3-TRIMETHYLBENZENE	20.241	105	4328	0.03	PPBV	#	95
102)	p-ISOPROPYLTOLUENE	20.265	134	1184	0.02	PPBV		94
103)	o-DICHLOROBENZENE	20.418	146	3642	0.03	PPBV		99
104)	n-BUTYLBENZENE	20.865	134	927	0.02	PPBV	#	53
105)	HEXACHLOROETHANE	21.318	117	2307	0.03	PPBV		94
106)	HEXACHLOROBUTADIENE	23.367	225	3647	0.03	PPBV		91
110)	TVHC as equiv Pentane	5.234	TIC	13331	0.06	PPBV		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55459.D
Acq On : 9 Dec 2024 4:14 am
Operator : benk
Sample : ic2125-0.04
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 14:26:47 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55460.D
Acq On : 9 Dec 2024 4:54 am
Operator : benk
Sample : ic2125-0.1
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 14:26:58 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.669	128	333430	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.835	114	1533309	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	15.347	82	804190	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.669	128	333430	10.00	PPBV	#	0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	17.592	95	985635	10.78	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 107.80%				
Target Compounds							Qvalue
2) FREON 115	3.472	119	5523	0.10	PPBV		97
3) FREON 152A	3.552	65	2440	0.10	PPBV		99
4) CHLORODIFLUOROMETHANE	3.588	67	1205	0.09	PPBV		74
5) CHLOROTRIFLUOROETHENE	3.613	116	5398	0.09	PPBV		95
6) DICHLORODIFLUOROMETHANE	3.656	85	12499	0.10	PPBV		99
7) PROPYLENE	3.607	41	3754	0.13	PPBV		84
8) 1-CHLORO-1,1-DIFLUOROE...	3.760	65	13615	0.11	PPBV		97
9) FREON 114	3.845	85	17687	0.12	PPBV		99
10) CHLOROMETHANE	3.784	52	1884	0.12	PPBV	#	78
11) VINYL CHLORIDE	3.931	62	5930	0.11	PPBV		94
12) 1,3-BUTADIENE	4.035	54	4083	0.11	PPBV	#	72
13) n-BUTANE	4.072	43	9842	0.15	PPBV	#	95
14) BROMOMETHANE	4.231	94	8281	0.15	PPBV		91
15) CHLOROETHANE	4.365	64	2881	0.12	PPBV		85
16) DICHLOROFLUOROMETHANE	4.427	67	14568	0.12	PPBV		97
17) ACETONITRILE	4.647	41	4678	0.12	PPBV	#	65
18) ACROLEIN	4.739	56	2049	0.11	PPBV	#	1
19) FREON 123	4.739	83	14828	0.12	PPBV		96
20) FREON 123A	4.788	117	7831	0.12	PPBV		84
21) TRICHLOROFLUOROMETHANE	4.947	101	11923	0.11	PPBV		98
22) ISOPROPYL ALCOHOL	5.093	45	9920	0.14	PPBV		92
24) PENTANE	5.240	42	3946	0.11	PPBV		98
25) IODOMETHANE	5.424	142	9585	0.10	PPBV		96
26) 1,1-DICHLOROETHYLENE	5.485	96	3785	0.11	PPBV		88
27) CARBON DISULFIDE	5.858	76	10145	0.10	PPBV		92
29) BROMOETHENE	4.622	106	5236	0.10	PPBV		91
31) METHYLENE CHLORIDE	5.601	84	3905	0.11	PPBV		95
32) 3-CHLOROPROPENE	5.705	76	1660	0.10	PPBV	#	52
33) FREON 113	5.828	151	6007	0.10	PPBV		98
34) TRANS-1,2-DICHLOROETHY...	6.458	96	4040	0.11	PPBV		81
35) TERTIARY BUTYL ALCOHOL	5.650	59	6051	0.08	PPBV		93
36) METHYL TERTIARY BUTYL ...	6.794	73	8939	0.09	PPBV		95
37) TETRAHYDROFURAN	8.366	72	939	0.06	PPBV	#	61
38) HEXANE	7.712	57	4501	0.08	PPBV		85
40) 1,1-DICHLOROETHANE	6.647	63	7146	0.10	PPBV		98
41) METHYL ETHYL KETONE	7.155	72	815	0.05	PPBV	#	82
42) cis-1,2-DICHLOROETHYLENE	7.498	96	4154	0.10	PPBV		84
43) DIISOPROPYL ETHER	7.779	59	1194	0.07	PPBV	#	60
44) ETHYL ACETATE	7.834	61	535	0.04	PPBV	#	38
46) CHLOROFORM	7.810	83	8944	0.10	PPBV		91
47) 2,4-DIMETHYLPENTANE	8.666	57	5058	0.08	PPBV		87
48) 1,1,1-TRICHLOROETHANE	8.874	97	9054	0.10	PPBV		96
49) CARBON TETRACHLORIDE	9.572	117	8961	0.09	PPBV		97
50) 1,2-DICHLOROETHANE	8.611	62	5541	0.09	PPBV		96
52) BENZENE	9.400	78	10879	0.09	PPBV		98
53) CYCLOHEXANE	9.706	84	3668	0.08	PPBV		94
54) 2,3-DIMETHYLPENTANE	10.000	71	1964	0.08	PPBV	#	73

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55460.D
Acq On : 9 Dec 2024 4:54 am
Operator : benk
Sample : ic2125-0.1
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 14:26:58 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

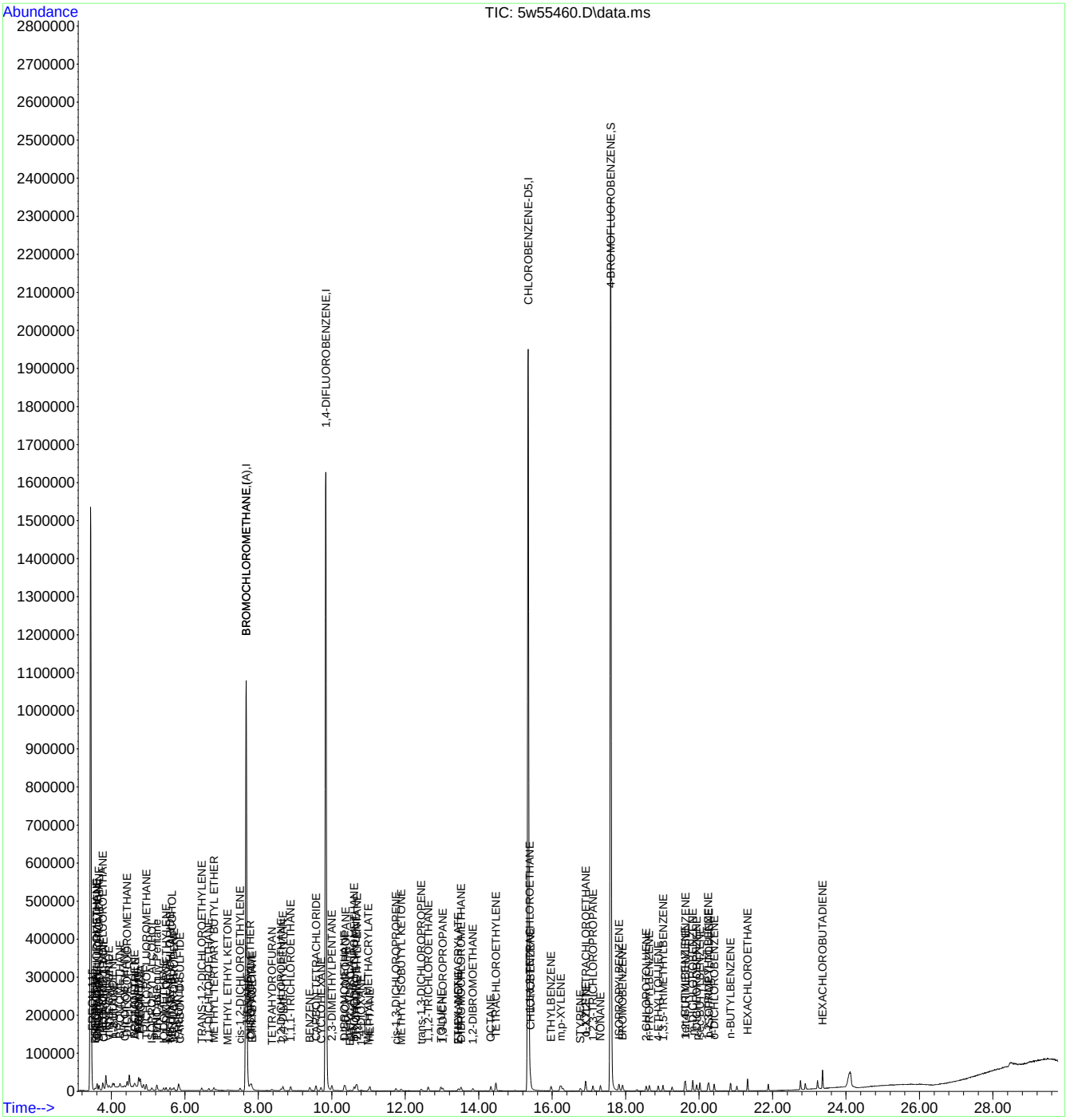
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
55)	TRICHLOROETHYLENE	10.654	95	5207	0.09	PPBV		94
56)	1,2-DICHLOROPROPANE	10.373	63	4453	0.09	PPBV		93
57)	DIBROMOMETHANE	10.342	174	5531	0.10	PPBV		90
58)	ETHYL ACRYLATE	10.495	55	4814	0.06	PPBV	#	73
59)	BROMODICHLOROMETHANE	10.605	83	8911	0.08	PPBV		99
60)	2,2,4-TRIMETHYLPENTANE	10.685	57	14978	0.08	PPBV		94
61)	1,4-DIOXANE	10.801	88	2000	0.07	PPBV	#	1
62)	HEPTANE	11.034	43	5175	0.08	PPBV		98
63)	METHYL METHACRYLATE	10.991	69	2482	0.06	PPBV	#	65
64)	METHYL ISOBUTYL KETONE	11.890	58	1969	0.06	PPBV	#	71
65)	cis-1,3-DICHLOROPROPENE	11.743	75	5623	0.07	PPBV		92
66)	TOLUENE	12.973	92	6560	0.08	PPBV		97
67)	1,3-DICHLOROPROPANE	13.022	76	6020	0.08	PPBV	#	91
68)	trans-1,3-DICHLOROPROPENE	12.429	75	4364	0.06	PPBV		84
69)	1,1,2-TRICHLOROETHANE	12.624	83	4269	0.09	PPBV		96
71)	2-HEXANONE	13.450	58	1982	0.04	PPBV	#	42
72)	ETHYL METHACRYLATE	13.432	69	3502	0.05	PPBV	#	90
73)	TETRACHLOROETHYLENE	14.472	164	5984	0.11	PPBV		99
74)	DIBROMOCHLOROMETHANE	13.517	129	7109	0.07	PPBV		95
75)	1,2-DIBROMOETHANE	13.836	107	7065	0.09	PPBV	#	99
76)	OCTANE	14.325	43	6427	0.08	PPBV		92
77)	1,1,1,2-TETRACHLOROETHANE	15.390	131	6008	0.10	PPBV		94
78)	CHLOROBENZENE	15.408	112	11162	0.10	PPBV	#	48
79)	ETHYLBENZENE	15.965	91	14102	0.08	PPBV		95
80)	m,p-XYLENE	16.234	106	9481	0.14	PPBV		99
81)	o-XYLENE	16.907	106	4760	0.07	PPBV		90
82)	STYRENE	16.766	104	6206	0.06	PPBV		94
83)	NONANE	17.310	43	6297	0.07	PPBV	#	91
86)	1,1,2,2-TETRACHLOROETHANE	16.913	83	11296	0.09	PPBV		99
87)	1,2,3-TRICHLOROPROPANE	17.109	75	8353	0.10	PPBV		99
88)	ISOPROPYLBENZENE	17.818	105	15817	0.08	PPBV		98
89)	BROMOBENZENE	17.916	77	9455	0.09	PPBV		95
90)	2-CHLOROTOLUENE	18.552	126	3541	0.07	PPBV		88
91)	n-PROPYLBENZENE	18.638	120	3339	0.07	PPBV		94
92)	4-ETHYLTOLUENE	18.883	105	13159	0.07	PPBV		99
93)	1,3,5-TRIMETHYLBENZENE	19.017	105	11418	0.07	PPBV		95
95)	tert-BUTYLBENZENE	19.617	134	2169	0.06	PPBV	#	89
96)	1,2,4-TRIMETHYLBENZENE	19.635	105	10880	0.06	PPBV		95
97)	m-DICHLOROBENZENE	19.825	146	9479	0.08	PPBV		98
99)	p-DICHLOROBENZENE	19.935	146	9928	0.09	PPBV		98
100)	sec-BUTYLBENZENE	20.021	134	2915	0.07	PPBV		92
101)	1,2,3-TRIMETHYLBENZENE	20.241	105	11857	0.07	PPBV	#	97
102)	p-ISOPROPYLTOLUENE	20.265	134	3311	0.07	PPBV		97
103)	o-DICHLOROBENZENE	20.412	146	9802	0.09	PPBV		99
104)	n-BUTYLBENZENE	20.853	134	2781	0.06	PPBV	#	75
105)	HEXACHLOROETHANE	21.318	117	6060	0.07	PPBV		96
106)	HEXACHLOROBUTADIENE	23.361	225	8613	0.08	PPBV		98
110)	TVHC as equiv Pentane	5.234	TIC	32564	0.14	PPBV		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55460.D
Acq On : 9 Dec 2024 4:54 am
Operator : benk
Sample : ic2125-0.1
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 14:26:58 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55461.D
Acq On : 9 Dec 2024 5:35 am
Operator : benk
Sample : ic2125-0.2
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 09:59:51 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.663	128	334972	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.829	114	1532765	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	15.347	82	812540	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.663	128	334972	10.00	PPBV	#	0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	17.592	95	990143	10.72	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 107.20%				
Target Compounds							Qvalue
2) FREON 115	3.460	119	9311	0.17	PPBV		97
3) FREON 152A	3.546	65	5104	0.20	PPBV		99
4) CHLORODIFLUOROMETHANE	3.576	67	2636	0.19	PPBV		89
5) CHLOROTRIFLUOROETHENE	3.607	116	11548	0.20	PPBV		99
6) DICHLORODIFLUOROMETHANE	3.656	85	25208	0.20	PPBV		98
7) PROPYLENE	3.601	41	6295	0.22	PPBV		91
8) 1-CHLORO-1,1-DIFLUOROE...	3.754	65	27839	0.22	PPBV		97
9) FREON 114	3.845	85	35981	0.24	PPBV		96
10) CHLOROMETHANE	3.772	52	3787	0.24	PPBV	#	76
11) VINYL CHLORIDE	3.931	62	12507	0.23	PPBV		99
12) 1,3-BUTADIENE	4.029	54	8476	0.24	PPBV		90
13) n-BUTANE	4.066	43	17914	0.27	PPBV	#	95
14) BROMOMETHANE	4.231	94	13070	0.24	PPBV		94
15) CHLOROETHANE	4.359	64	5838	0.24	PPBV		92
16) DICHLOROFLUOROMETHANE	4.420	67	28789	0.24	PPBV		99
17) ACETONITRILE	4.641	41	10098	0.26	PPBV	#	79
18) ACROLEIN	4.732	56	3711	0.20	PPBV	#	16
19) FREON 123	4.739	83	29093	0.24	PPBV		99
20) FREON 123A	4.781	117	16016	0.24	PPBV		91
21) TRICHLOROFLUOROMETHANE	4.940	101	24059	0.21	PPBV		99
22) ISOPROPYL ALCOHOL	5.087	45	17230	0.24	PPBV		79
23) ACETONE	4.861	58	9631	0.44	PPBV		93
24) PENTANE	5.234	42	7781	0.22	PPBV		98
25) IODOMETHANE	5.418	142	19206	0.19	PPBV		98
26) 1,1-DICHLOROETHYLENE	5.485	96	7466	0.21	PPBV		91
27) CARBON DISULFIDE	5.852	76	21129	0.20	PPBV		96
29) BROMOETHENE	4.616	106	11097	0.22	PPBV		97
30) ACRYLONITRILE	5.222	52	13028	0.58	PPBV		95
31) METHYLENE CHLORIDE	5.595	84	7591	0.22	PPBV		95
32) 3-CHLOROPROPENE	5.699	76	3438	0.20	PPBV	#	65
33) FREON 113	5.821	151	11480	0.19	PPBV		92
34) TRANS-1,2-DICHLOROETHY...	6.458	96	7568	0.20	PPBV		94
35) TERTIARY BUTYL ALCOHOL	5.638	59	12091	0.16	PPBV		94
36) METHYL TERTIARY BUTYL ...	6.776	73	17880	0.17	PPBV		92
37) TETRAHYDROFURAN	8.342	72	2081	0.12	PPBV	#	61
38) HEXANE	7.706	57	9519	0.17	PPBV	#	79
39) VINYL ACETATE	6.843	86	448	0.07	PPBV	#	1
40) 1,1-DICHLOROETHANE	6.653	63	14588	0.20	PPBV		98
41) METHYL ETHYL KETONE	7.137	72	2221	0.13	PPBV		100
42) cis-1,2-DICHLOROETHYLENE	7.498	96	7416	0.19	PPBV		99
43) DIISOPROPYL ETHER	7.767	59	2706	0.16	PPBV	#	82
44) ETHYL ACETATE	7.810	61	1722	0.14	PPBV	#	38
45) METHYL ACRYLATE	7.797	55	9313m	0.13	PPBV		
46) CHLOROFORM	7.804	83	18397	0.21	PPBV		92
47) 2,4-DIMETHYLPENTANE	8.666	57	11164	0.17	PPBV		90
48) 1,1,1-TRICHLOROETHANE	8.874	97	17633	0.20	PPBV		96
49) CARBON TETRACHLORIDE	9.565	117	18453	0.19	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55461.D
Acq On : 9 Dec 2024 5:35 am
Operator : benk
Sample : ic2125-0.2
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 09:59:51 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	8.611	62	12009	0.20	PPBV		98
52)	BENZENE	9.394	78	21730	0.19	PPBV		99
53)	CYCLOHEXANE	9.700	84	7528	0.16	PPBV		94
54)	2,3-DIMETHYLPENTANE	10.000	71	4203	0.17	PPBV	#	84
55)	TRICHLOROETHYLENE	10.648	95	10750	0.18	PPBV		98
56)	1,2-DICHLOROPROPANE	10.367	63	9173	0.19	PPBV		94
57)	DIBROMOMETHANE	10.336	174	11081	0.21	PPBV		96
58)	ETHYL ACRYLATE	10.477	55	10722	0.12	PPBV	#	89
59)	BROMODICHLOROMETHANE	10.605	83	18157	0.17	PPBV		98
60)	2,2,4-TRIMETHYLPENTANE	10.685	57	30352	0.16	PPBV		96
61)	1,4-DIOXANE	10.777	88	4553	0.16	PPBV	#	1
62)	HEPTANE	11.034	43	10843	0.17	PPBV		98
63)	METHYL METHACRYLATE	10.985	69	5874	0.14	PPBV		88
64)	METHYL ISOBUTYL KETONE	11.872	58	4610	0.13	PPBV	#	75
65)	cis-1,3-DICHLOROPROPENE	11.737	75	12276	0.15	PPBV		93
66)	TOLUENE	12.967	92	13467	0.16	PPBV		98
67)	1,3-DICHLOROPROPANE	13.022	76	12399	0.17	PPBV	#	99
68)	trans-1,3-DICHLOROPROPENE	12.429	75	10502	0.14	PPBV		92
69)	1,1,2-TRICHLOROETHANE	12.618	83	9074	0.19	PPBV		98
71)	2-HEXANONE	13.426	58	5591	0.12	PPBV	#	68
72)	ETHYL METHACRYLATE	13.426	69	7979	0.12	PPBV		92
73)	TETRACHLOROETHYLENE	14.466	164	11793	0.22	PPBV		98
74)	DIBROMOCHLOROMETHANE	13.511	129	14897	0.15	PPBV		98
75)	1,2-DIBROMOETHANE	13.836	107	14712	0.18	PPBV	#	97
76)	OCTANE	14.331	43	13225	0.16	PPBV		96
77)	1,1,1,2-TETRACHLOROETHANE	15.396	131	12320	0.19	PPBV		95
78)	CHLOROBENZENE	15.408	112	22541	0.21	PPBV		97
79)	ETHYLBENZENE	15.965	91	29130	0.17	PPBV		98
80)	m,p-XYLENE	16.240	106	19915	0.30	PPBV		97
81)	o-XYLENE	16.907	106	9697	0.15	PPBV		95
82)	STYRENE	16.760	104	13243	0.14	PPBV		97
83)	NONANE	17.310	43	13708	0.16	PPBV		97
84)	BROMOFORM	16.295	173	8706	0.09	PPBV		96
86)	1,1,2,2-TETRACHLOROETHANE	16.913	83	24040	0.20	PPBV		99
87)	1,2,3-TRICHLOROPROPANE	17.102	75	17778	0.21	PPBV		96
88)	ISOPROPYLBENZENE	17.818	105	32811	0.17	PPBV		99
89)	BROMOBENZENE	17.910	77	19537	0.19	PPBV		95
90)	2-CHLOROTOLUENE	18.552	126	7829	0.16	PPBV		94
91)	n-PROPYLBENZENE	18.638	120	7841	0.15	PPBV		100
92)	4-ETHYLTOLUENE	18.883	105	27822	0.15	PPBV		99
93)	1,3,5-TRIMETHYLBENZENE	19.017	105	24334	0.15	PPBV		100
94)	ALPHA-METHYLSTYRENE	19.262	118	9644	0.12	PPBV		97
95)	tert-BUTYLBENZENE	19.611	134	4755	0.14	PPBV		90
96)	1,2,4-TRIMETHYLBENZENE	19.629	105	25504	0.15	PPBV		99
97)	m-DICHLOROBENZENE	19.825	146	21451	0.17	PPBV		99
98)	BENZYL CHLORIDE	19.819	91	23238	0.13	PPBV		96
99)	p-DICHLOROBENZENE	19.929	146	21116	0.18	PPBV		99
100)	sec-BUTYLBENZENE	20.014	134	6501	0.16	PPBV	#	89
101)	1,2,3-TRIMETHYLBENZENE	20.235	105	25578	0.15	PPBV	#	100
102)	p-ISOPROPYLTOLUENE	20.265	134	7256	0.15	PPBV		94
103)	o-DICHLOROBENZENE	20.406	146	20937	0.19	PPBV		97
104)	n-BUTYLBENZENE	20.859	134	6435	0.14	PPBV	#	88
105)	HEXACHLOROETHANE	21.318	117	12703	0.15	PPBV		95
106)	HEXACHLOROBUTADIENE	23.361	225	17057	0.16	PPBV		97
107)	1,2,4-TRICHLOROBENZENE	23.220	180	16218	0.16	PPBV		98
108)	NAPHTHALENE	22.890	128	33921	0.14	PPBV		97
110)	TVHC as equiv Pentane	5.228	TIC	75387	0.32	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55461.D
Acq On : 9 Dec 2024 5:35 am
Operator : benk
Sample : ic2125-0.2
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 09:59:51 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

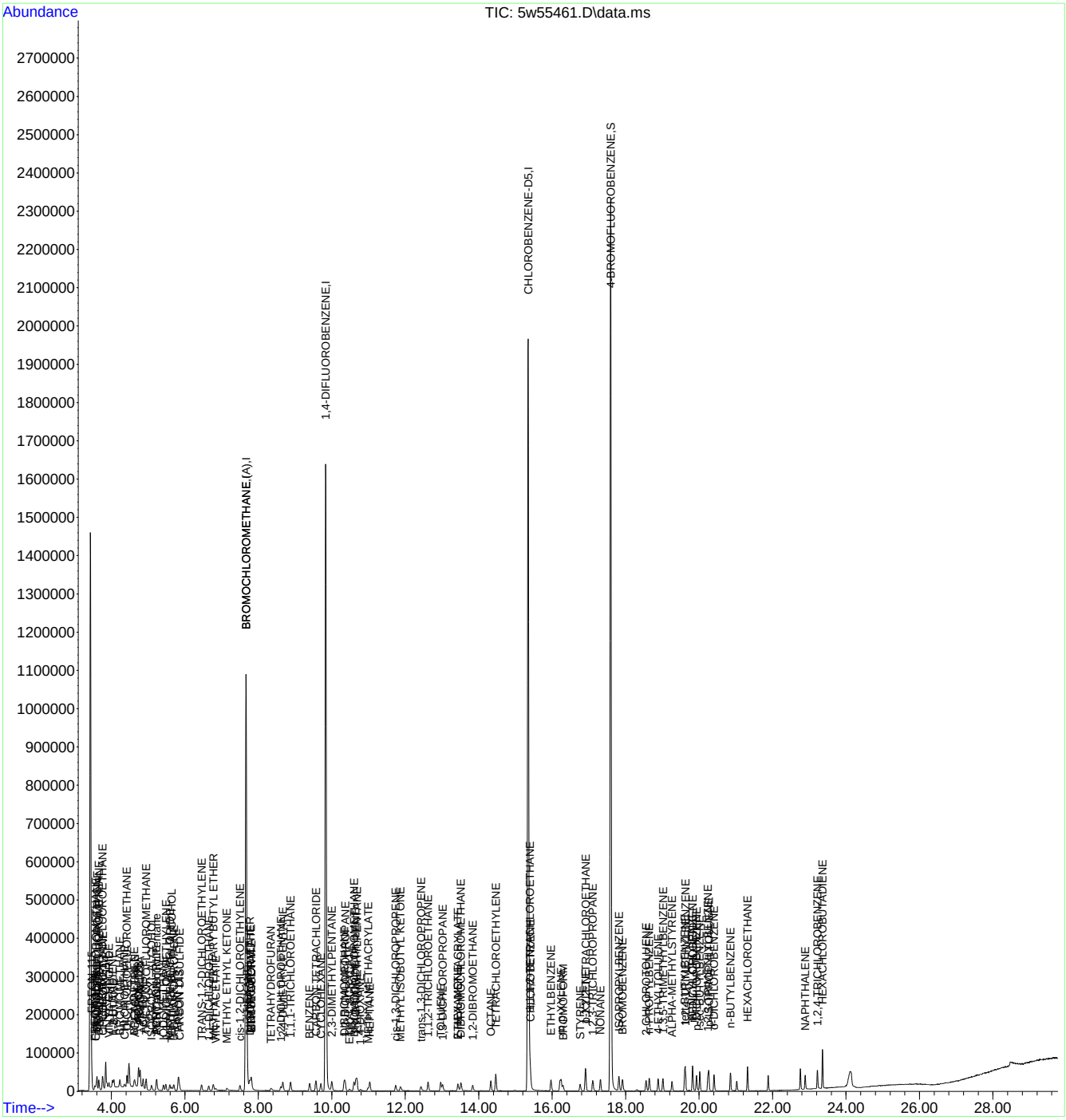
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55461.D
Acq On : 9 Dec 2024 5:35 am
Operator : benk
Sample : ic2125-0.2
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

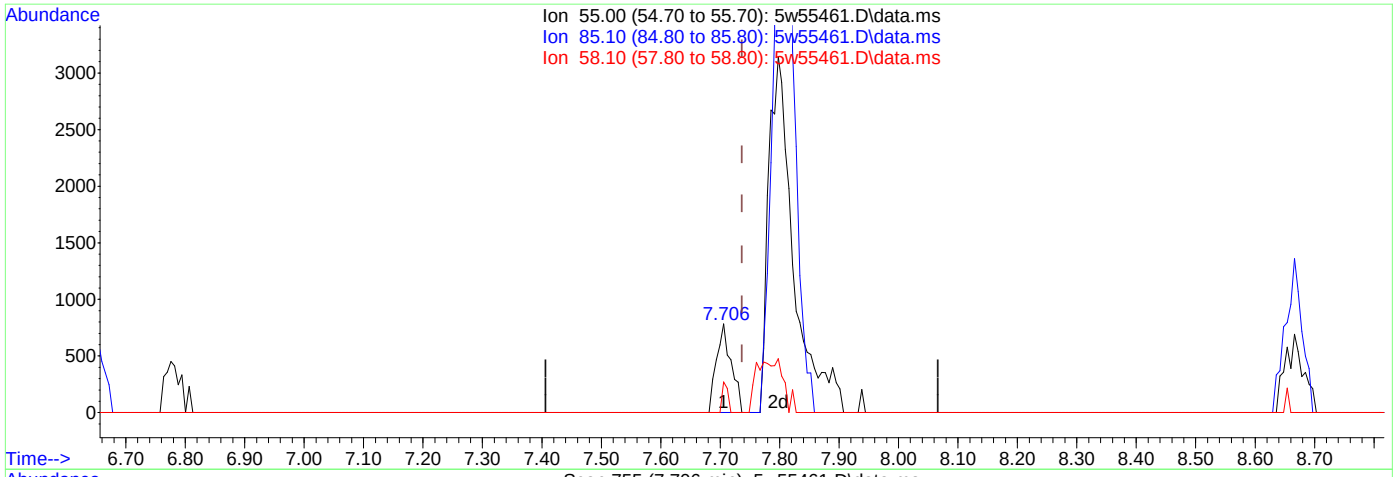
Quant Time: Dec 09 09:59:51 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

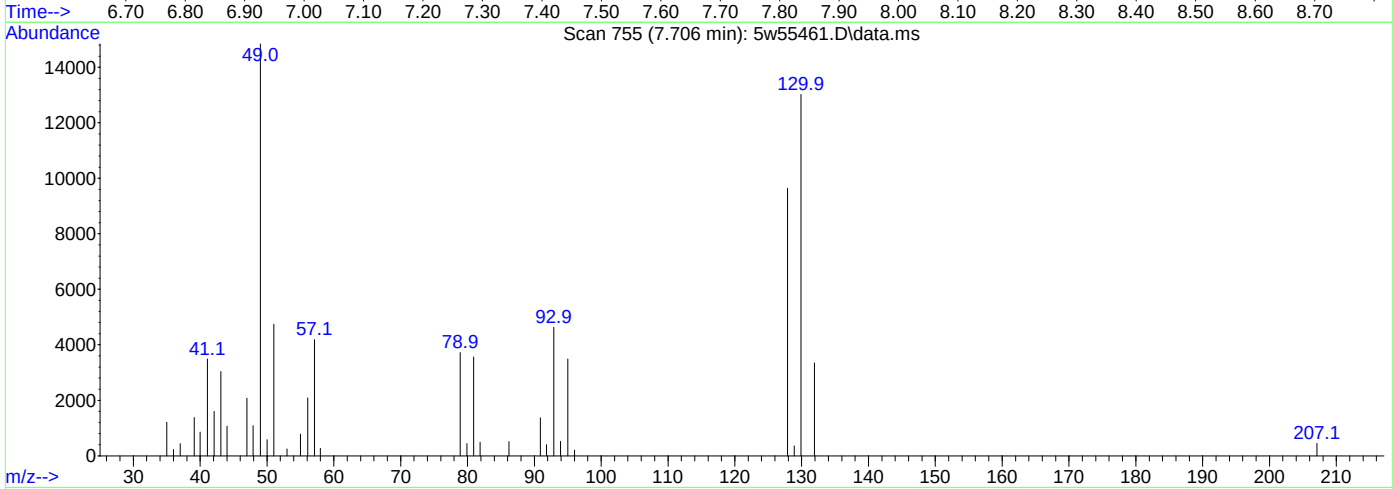


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 5w55461.D
Acq On : 9 Dec 2024 5:35 am
Operator : benk
Sample : ic2125-0.2
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 09:56:14 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration





TIC: 5w55461.D\data.ms

(45) METHYL ACRYLATE

7.706min (-0.031) 0.02PPBV

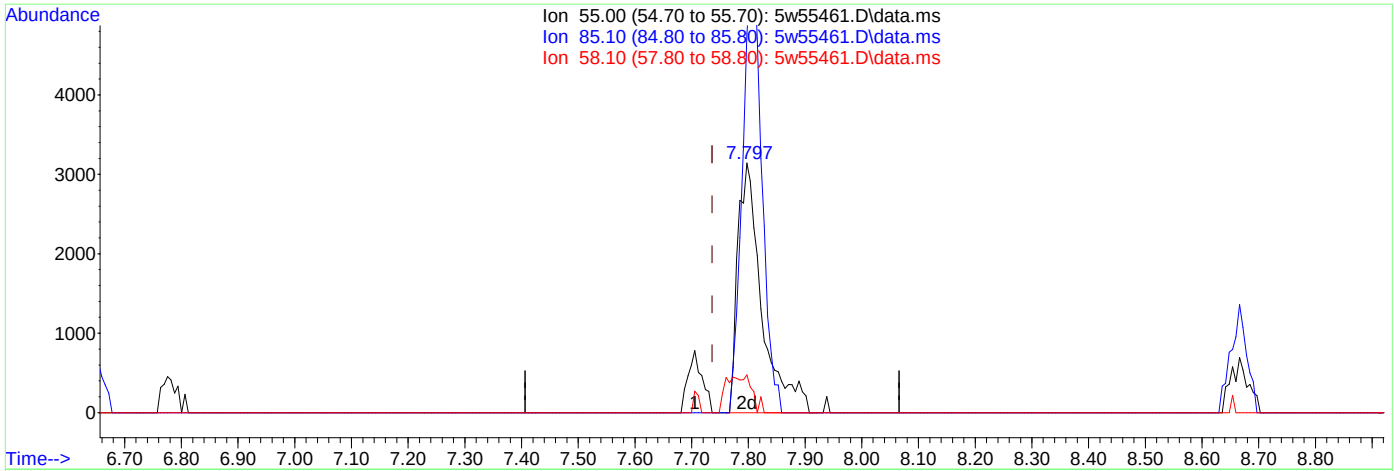
response 1349

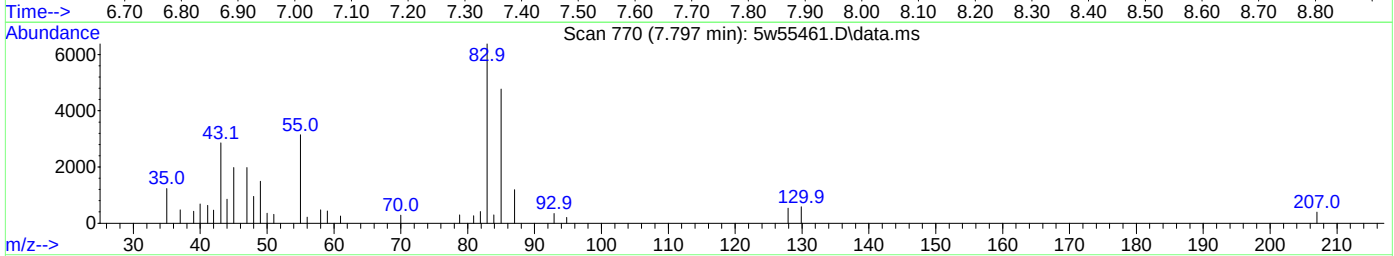
Ion	Exp%	Act%
55.00	100	100
85.10	16.30	0.00#
58.10	13.80	13.19
0.00	0.00	0.00

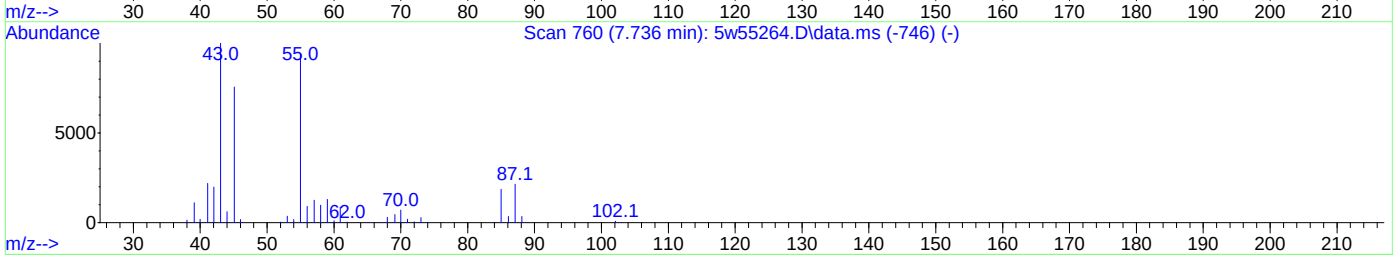
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 5w55461.D
Acq On : 9 Dec 2024 5:35 am
Operator : benk
Sample : ic2125-0.2
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 09:56:14 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration







TIC: 5w55461.D\data.ms

(45) METHYL ACRYLATE

7.797min (+0.061) 0.13PPBV m

response 9313

Ion	Exp%	Act%
55.00	100	100
85.10	16.30	0.00#
58.10	13.80	1.91#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55463.D
Acq On : 9 Dec 2024 6:59 am
Operator : benk
Sample : ic2125-0.5
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 09 10:05:07 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.663	128	330769	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.835	114	1512302	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	15.347	82	803446	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.663	128	330769	10.00	PPBV	#	0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	17.592	95	985952	10.80	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 108.00%				
Target Compounds							Qvalue
2) FREON 115	3.466	119	29319	0.53	PPBV		99
3) FREON 152A	3.546	65	13383	0.53	PPBV		99
4) CHLORODIFLUOROMETHANE	3.576	67	6908	0.51	PPBV		99
5) CHLOROTRIFLUOROETHENE	3.607	116	29810	0.52	PPBV		98
6) DICHLORODIFLUOROMETHANE	3.656	85	67318	0.54	PPBV		100
7) PROPYLENE	3.601	41	16353	0.57	PPBV		97
8) 1-CHLORO-1,1-DIFLUOROE...	3.754	65	72198	0.58	PPBV		99
9) FREON 114	3.839	85	94289	0.63	PPBV		96
10) CHLOROMETHANE	3.772	52	9386	0.61	PPBV		96
11) VINYL CHLORIDE	3.931	62	32272	0.60	PPBV		97
12) 1,3-BUTADIENE	4.029	54	22258	0.63	PPBV		92
13) n-BUTANE	4.066	43	46066	0.70	PPBV	#	95
14) BROMOMETHANE	4.231	94	34352	0.64	PPBV		99
15) CHLOROETHANE	4.359	64	15312	0.64	PPBV		97
16) DICHLOROFLUOROMETHANE	4.421	67	75373	0.64	PPBV		99
17) ACETONITRILE	4.635	41	25964	0.67	PPBV	#	91
18) ACROLEIN	4.733	56	11639	0.65	PPBV	#	70
19) FREON 123	4.733	83	77441	0.64	PPBV		99
20) FREON 123A	4.781	117	41439	0.64	PPBV		88
21) TRICHLOROFLUOROMETHANE	4.941	101	65623	0.59	PPBV		100
22) ISOPROPYL ALCOHOL	5.075	45	39268	0.56	PPBV		91
23) ACETONE	4.855	58	15107	0.70	PPBV		95
24) PENTANE	5.234	42	20184	0.57	PPBV		98
25) IODOMETHANE	5.418	142	52352	0.54	PPBV		99
26) 1,1-DICHLOROETHYLENE	5.479	96	19140	0.54	PPBV		99
27) CARBON DISULFIDE	5.852	76	57576	0.55	PPBV		94
28) ETHANOL	4.476	45	20172	0.78	PPBV		95
29) BROMOETHENE	4.622	106	29626	0.59	PPBV		94
30) ACRYLONITRILE	5.216	52	13527	0.61	PPBV		98
31) METHYLENE CHLORIDE	5.589	84	20169	0.60	PPBV		99
32) 3-CHLOROPROPENE	5.693	76	8647	0.50	PPBV		89
33) FREON 113	5.821	151	32099	0.55	PPBV		99
34) TRANS-1,2-DICHLOROETHY...	6.458	96	20028	0.53	PPBV		97
35) TERTIARY BUTYL ALCOHOL	5.620	59	35107	0.47	PPBV		94
36) METHYL TERTIARY BUTYL ...	6.757	73	52017	0.51	PPBV		94
37) TETRAHYDROFURAN	8.311	72	7703	0.46	PPBV		95
38) HEXANE	7.706	57	28766	0.51	PPBV		94
39) VINYL ACETATE	6.831	86	2531	0.38	PPBV	#	75
40) 1,1-DICHLOROETHANE	6.647	63	39839	0.56	PPBV		100
41) METHYL ETHYL KETONE	7.112	72	7562	0.44	PPBV		93
42) cis-1,2-DICHLOROETHYLENE	7.498	96	20793	0.53	PPBV		98
43) DIISOPROPYL ETHER	7.755	59	8150	0.47	PPBV	#	89
44) ETHYL ACETATE	7.791	61	5941	0.48	PPBV	#	72
45) METHYL ACRYLATE	7.773	55	30367m	0.44	PPBV		
46) CHLOROFORM	7.804	83	51722	0.59	PPBV		93
47) 2,4-DIMETHYLPENTANE	8.666	57	31054	0.49	PPBV		91
48) 1,1,1-TRICHLOROETHANE	8.874	97	49711	0.56	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55463.D
Acq On : 9 Dec 2024 6:59 am
Operator : benk
Sample : ic2125-0.5
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 09 10:05:07 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
49) CARBON TETRACHLORIDE	9.566	117	51155	0.54	PPBV		99
50) 1,2-DICHLOROETHANE	8.605	62	32790	0.56	PPBV		100
52) BENZENE	9.400	78	61342	0.54	PPBV		99
53) CYCLOHEXANE	9.700	84	22074	0.49	PPBV		99
54) 2,3-DIMETHYLPENTANE	10.000	71	12638	0.53	PPBV		99
55) TRICHLOROETHYLENE	10.648	95	29925	0.51	PPBV		99
56) 1,2-DICHLOROPROPANE	10.361	63	24473	0.52	PPBV		99
57) DIBROMOMETHANE	10.336	174	25731	0.49	PPBV		94
58) ETHYL ACRYLATE	10.459	55	34390	0.41	PPBV		97
59) BROMODICHLOROMETHANE	10.606	83	54534	0.51	PPBV		98
60) 2,2,4-TRIMETHYLPENTANE	10.685	57	91844	0.50	PPBV		99
61) 1,4-DIOXANE	10.752	88	11768	0.42	PPBV	#	1
62) HEPTANE	11.028	43	32330	0.51	PPBV		98
63) METHYL METHACRYLATE	10.966	69	18848	0.46	PPBV		83
64) METHYL ISOBUTYL KETONE	11.847	58	14953	0.43	PPBV		90
65) cis-1,3-DICHLOROPROPENE	11.737	75	36246	0.46	PPBV		98
66) TOLUENE	12.967	92	37107	0.44	PPBV		94
67) 1,3-DICHLOROPROPANE	13.016	76	36900	0.51	PPBV	#	99
68) trans-1,3-DICHLOROPROPENE	12.422	75	30719	0.41	PPBV		98
69) 1,1,2-TRICHLOROETHANE	12.618	83	25850	0.54	PPBV		96
71) 2-HEXANONE	13.414	58	18867	0.40	PPBV		81
72) ETHYL METHACRYLATE	13.420	69	27662	0.41	PPBV		96
73) TETRACHLOROETHYLENE	14.466	164	29587	0.56	PPBV		97
74) DIBROMOCHLOROMETHANE	13.511	129	49591	0.50	PPBV		99
75) 1,2-DIBROMOETHANE	13.830	107	43159	0.55	PPBV		100
76) OCTANE	14.331	43	39430	0.47	PPBV		98
77) 1,1,1,2-TETRACHLOROETHANE	15.390	131	33689	0.53	PPBV		99
78) CHLOROBENZENE	15.408	112	61057	0.57	PPBV		99
79) ETHYLBENZENE	15.965	91	85402	0.50	PPBV		100
80) m,p-XYLENE	16.234	106	62887	0.96	PPBV		97
81) o-XYLENE	16.901	106	31745	0.50	PPBV		99
82) STYRENE	16.754	104	41244	0.43	PPBV		99
83) NONANE	17.311	43	44116	0.51	PPBV		99
84) BROMOFORM	16.289	173	46583	0.47	PPBV		98
86) 1,1,2,2-TETRACHLOROETHANE	16.907	83	65656	0.55	PPBV		100
87) 1,2,3-TRICHLOROPROPANE	17.103	75	47874	0.57	PPBV		99
88) ISOPROPYLBENZENE	17.812	105	96512	0.51	PPBV		99
89) BROMOBENZENE	17.910	77	54823	0.55	PPBV		97
90) 2-CHLOROTOLUENE	18.552	126	22897	0.47	PPBV		98
91) n-PROPYLBENZENE	18.644	120	24216	0.48	PPBV		99
92) 4-ETHYLTOLUENE	18.883	105	90895	0.48	PPBV		98
93) 1,3,5-TRIMETHYLBENZENE	19.011	105	80703	0.51	PPBV		98
94) ALPHA-METHYLSTYRENE	19.256	118	33242	0.41	PPBV		98
95) tert-BUTYLBENZENE	19.611	134	15702	0.47	PPBV		96
96) 1,2,4-TRIMETHYLBENZENE	19.629	105	84521	0.49	PPBV		98
97) m-DICHLOROBENZENE	19.819	146	62123	0.50	PPBV		99
98) BENZYL CHLORIDE	19.813	91	70482	0.40	PPBV		99
99) p-DICHLOROBENZENE	19.923	146	63407	0.55	PPBV		99
100) sec-BUTYLBENZENE	20.015	134	20901	0.52	PPBV		93
101) 1,2,3-TRIMETHYLBENZENE	20.235	105	81958	0.48	PPBV	#	99
102) p-ISOPROPYLTOLUENE	20.265	134	24822	0.52	PPBV		99
103) o-DICHLOROBENZENE	20.406	146	59304	0.54	PPBV		100
104) n-BUTYLBENZENE	20.853	134	20380	0.44	PPBV	#	85
105) HEXACHLOROETHANE	21.318	117	42179	0.51	PPBV		98
106) HEXACHLOROBUTADIENE	23.361	225	47455	0.44	PPBV		98
107) 1,2,4-TRICHLOROBENZENE	23.220	180	41162	0.42	PPBV		100
108) NAPHTHALENE	22.890	128	92472	0.40	PPBV		98
110) TVHC as equiv Pentane	5.234	TIC	140261	0.60	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55463.D
Acq On : 9 Dec 2024 6:59 am
Operator : benk
Sample : ic2125-0.5
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 09 10:05:07 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

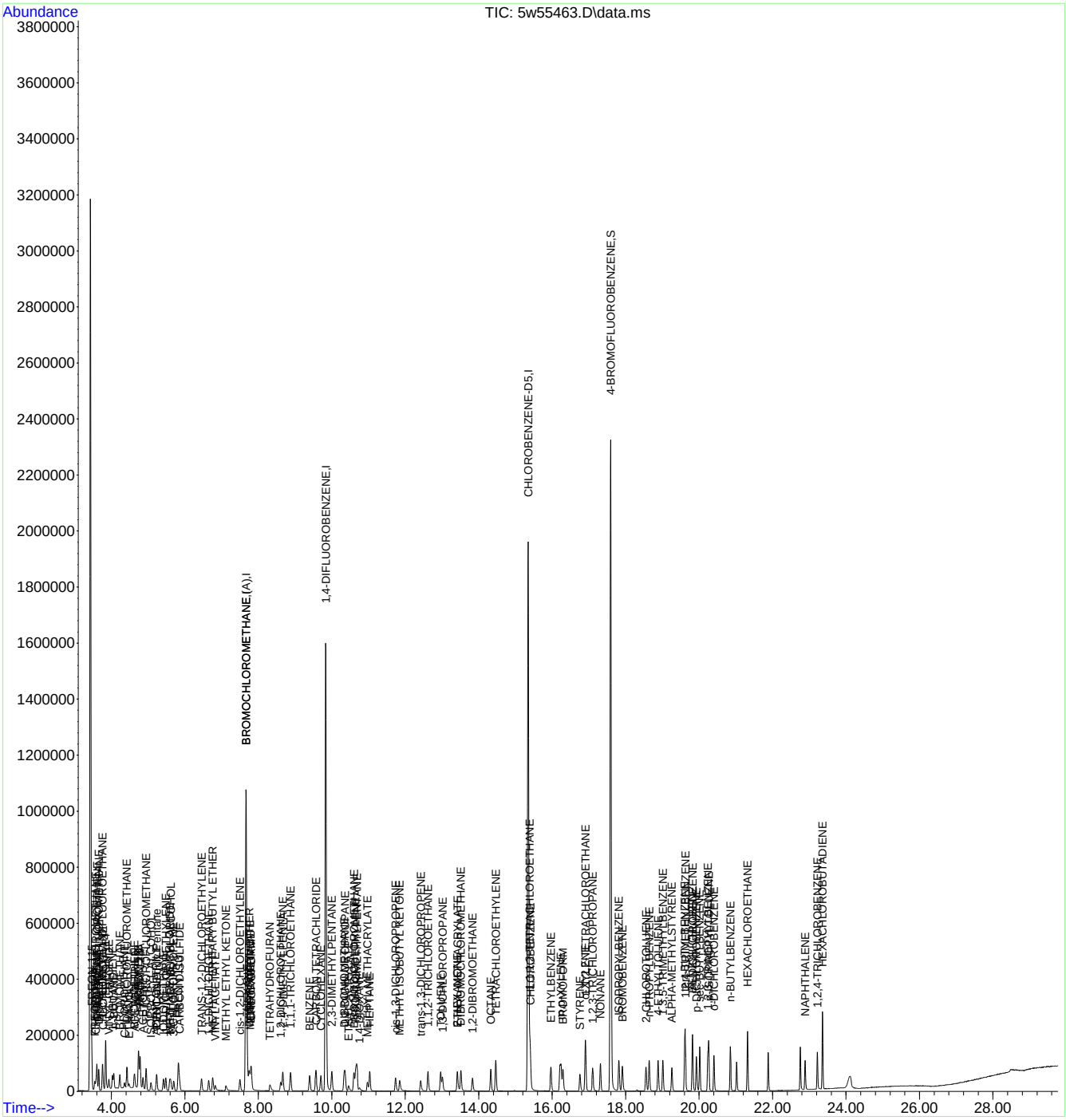
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55463.D
Acq On : 9 Dec 2024 6:59 am
Operator : benk
Sample : ic2125-0.5
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 6 Sample Multiplier: 1

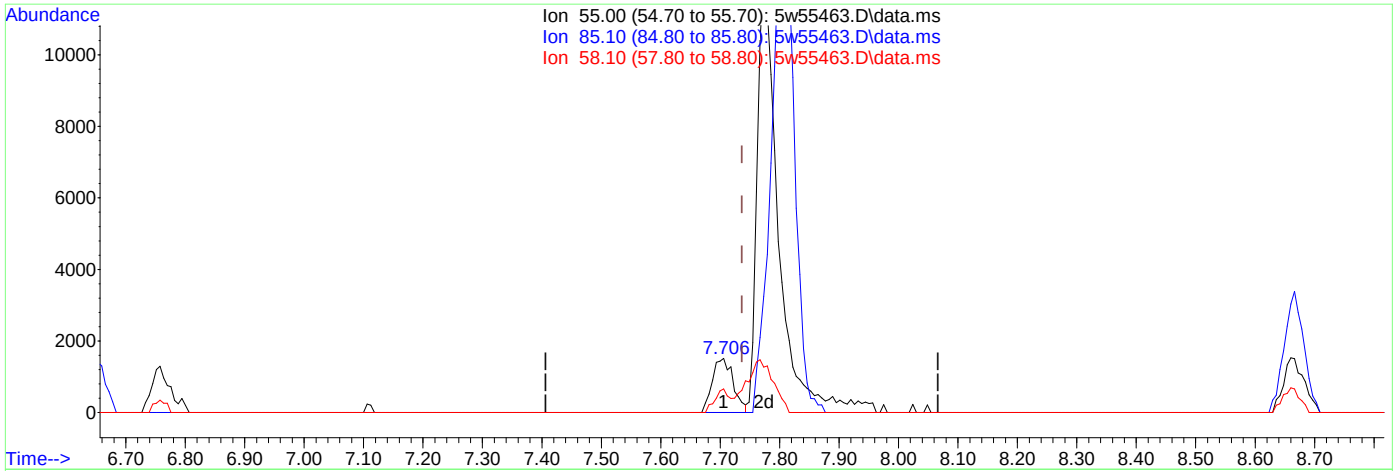
Quant Time: Dec 09 10:05:07 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

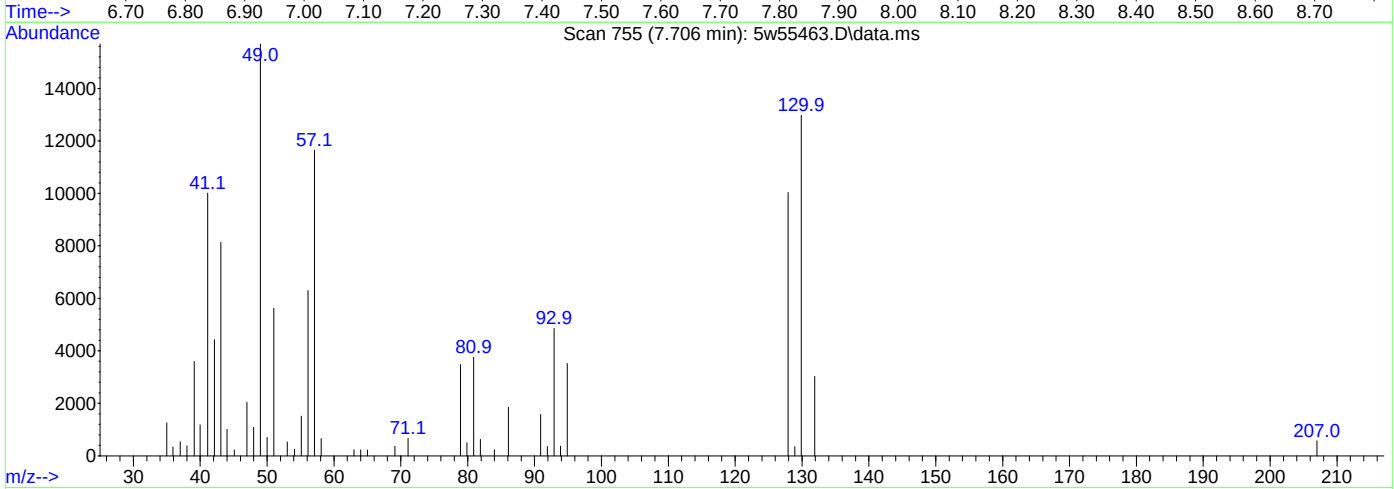


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 5w55463.D
Acq On : 9 Dec 2024 6:59 am
Operator : benk
Sample : ic2125-0.5
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 09 10:04:00 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration





TIC: 5w55463.D\data.ms

(45) METHYL ACRYLATE

7.706min (-0.031) 0.05PPBV

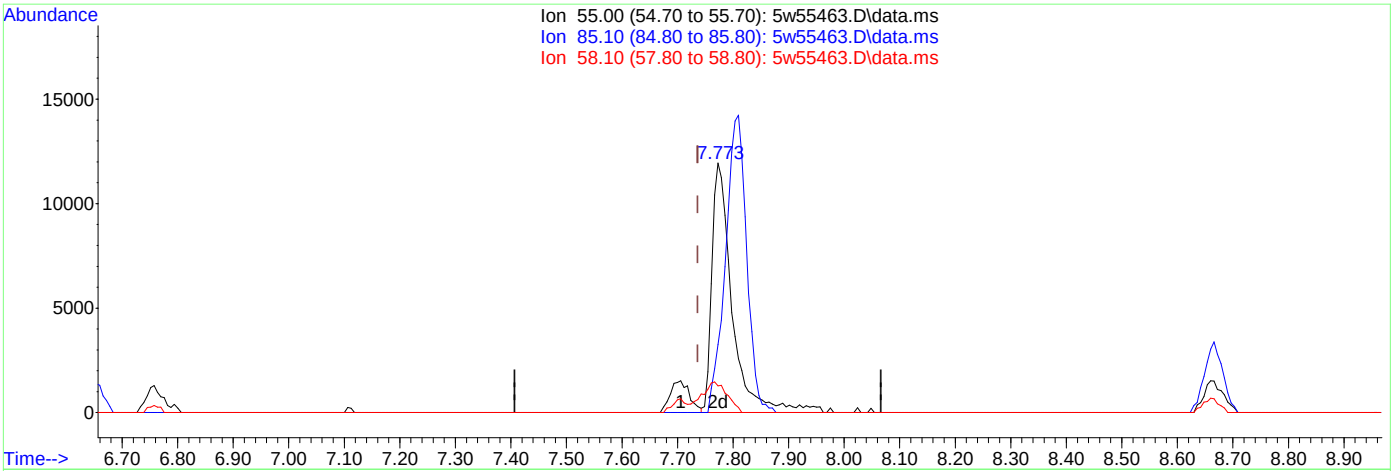
response 3694

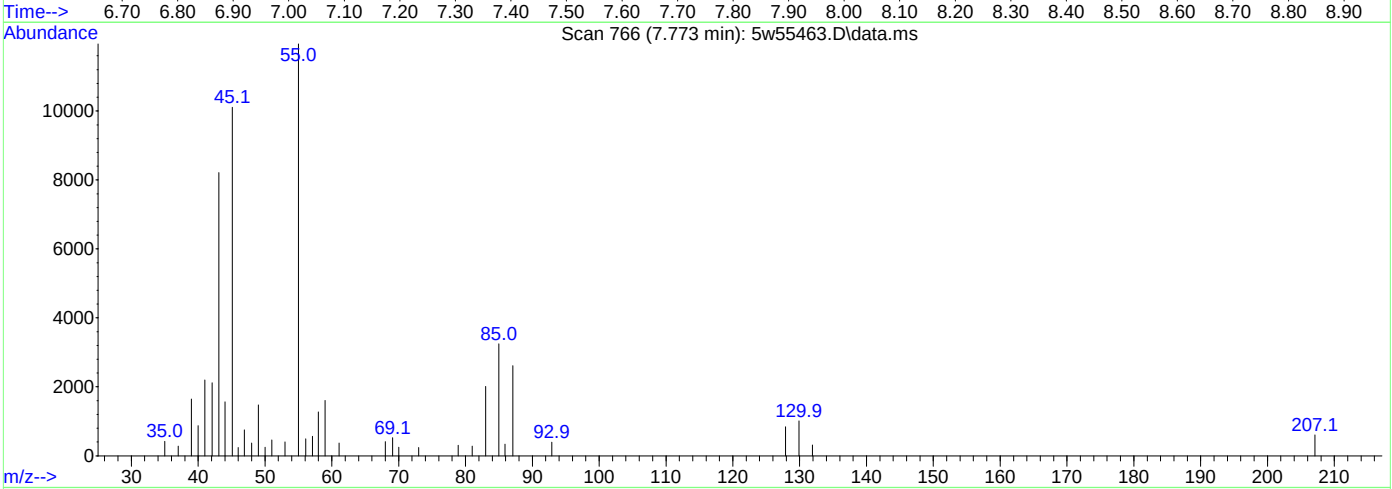
Ion	Exp%	Act%
55.00	100	100
85.10	16.30	0.00#
58.10	13.80	33.73#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 5w55463.D
Acq On : 9 Dec 2024 6:59 am
Operator : benk
Sample : ic2125-0.5
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 09 10:05:07 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration





TIC: 5w55463.D\data.ms

(45) METHYL ACRYLATE

7.773min (+0.037) 0.44PPBV m

response 30367

Ion	Exp%	Act%
55.00	100	100
85.10	16.30	0.00#
58.10	13.80	4.10#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55464.D
Acq On : 9 Dec 2024 7:45 am
Operator : benk
Sample : ic2125-5
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 09 10:08:17 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.669	128	327920	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.835	114	1483978	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	15.347	82	823417	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.669	128	327920	10.00	PPBV	#	0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	17.592	95	995950	10.64	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 106.40%				
Target Compounds							Qvalue
2) FREON 115	3.460	119	112593	2.06	PPBV		98
3) FREON 152A	3.546	65	138374	5.57	PPBV		99
4) CHLORODIFLUOROMETHANE	3.576	67	71231	5.35	PPBV		100
5) CHLOROTRIFLUOROETHENE	3.607	116	305049	5.34	PPBV		99
6) DICHLORODIFLUOROMETHANE	3.650	85	679721	5.49	PPBV		100
7) PROPYLENE	3.601	41	160514	5.68	PPBV		99
8) 1-CHLORO-1,1-DIFLUOROE...	3.754	65	719596	5.85	PPBV		99
9) FREON 114	3.839	85	918552	6.22	PPBV		97
10) CHLOROMETHANE	3.772	52	89496	5.90	PPBV	#	71
11) VINYL CHLORIDE	3.931	62	318611	5.93	PPBV		100
12) 1,3-BUTADIENE	4.029	54	216237	6.19	PPBV		98
13) n-BUTANE	4.066	43	413584	6.32	PPBV		98
14) BROMOMETHANE	4.231	94	319635	5.98	PPBV		98
15) CHLOROETHANE	4.353	64	140980	5.93	PPBV		99
16) DICHLOROFLUOROMETHANE	4.421	67	720353	6.14	PPBV		100
17) ACETONITRILE	4.622	41	231715	6.04	PPBV		100
18) ACROLEIN	4.714	56	103691	5.80	PPBV		99
19) FREON 123	4.733	83	730677	6.12	PPBV		99
20) FREON 123A	4.775	117	396421	6.14	PPBV		94
21) TRICHLOROFLUOROMETHANE	4.941	101	629552	5.66	PPBV		100
22) ISOPROPYL ALCOHOL	5.038	45	341979	4.90	PPBV		96
23) ACETONE	4.830	58	136235	6.39	PPBV		97
24) PENTANE	5.228	42	201069	5.72	PPBV		100
25) IODOMETHANE	5.418	142	526543	5.43	PPBV		100
26) 1,1-DICHLOROETHYLENE	5.479	96	189977	5.42	PPBV		100
27) CARBON DISULFIDE	5.852	76	580467	5.55	PPBV		99
28) ETHANOL	4.457	45	137349	5.34	PPBV		98
29) BROMOETHENE	4.616	106	289326	5.82	PPBV		99
30) ACRYLONITRILE	5.204	52	145480	6.60	PPBV		99
31) METHYLENE CHLORIDE	5.589	84	187716	5.61	PPBV		98
32) 3-CHLOROPROPENE	5.693	76	89978	5.26	PPBV		97
33) FREON 113	5.822	151	310417	5.35	PPBV		98
34) TRANS-1,2-DICHLOROETHY...	6.452	96	194904	5.24	PPBV		99
35) TERTIARY BUTYL ALCOHOL	5.558	59	337505	4.54	PPBV		98
36) METHYL TERTIARY BUTYL ...	6.715	73	543685	5.34	PPBV		99
37) TETRAHYDROFURAN	8.256	72	86439	5.17	PPBV		98
38) HEXANE	7.706	57	308459	5.52	PPBV		100
39) VINYL ACETATE	6.806	86	34745	5.27	PPBV	#	93
40) 1,1-DICHLOROETHANE	6.647	63	386526	5.53	PPBV		99
41) METHYL ETHYL KETONE	7.063	72	91801	5.38	PPBV		94
42) cis-1,2-DICHLOROETHYLENE	7.498	96	208218	5.31	PPBV		99
43) DIISOPROPYL ETHER	7.718	59	92706	5.43	PPBV		97
44) ETHYL ACETATE	7.761	61	65000	5.24	PPBV	#	38
45) METHYL ACRYLATE	7.736	55	368255	5.42	PPBV		98
46) CHLOROFORM	7.810	83	482374	5.58	PPBV		100
47) 2,4-DIMETHYLPENTANE	8.660	57	341067	5.46	PPBV		99
48) 1,1,1-TRICHLOROETHANE	8.874	97	479650	5.48	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55464.D
Acq On : 9 Dec 2024 7:45 am
Operator : benk
Sample : ic2125-5
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 09 10:08:17 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
49) CARBON TETRACHLORIDE	9.566	117	513289	5.43	PPBV		100
50) 1,2-DICHLOROETHANE	8.605	62	319305	5.50	PPBV		99
52) BENZENE	9.400	78	616501	5.51	PPBV		100
53) CYCLOHEXANE	9.700	84	238638	5.36	PPBV		99
54) 2,3-DIMETHYLPENTANE	10.000	71	125899	5.37	PPBV		97
55) TRICHLOROETHYLENE	10.648	95	298892	5.18	PPBV		99
56) 1,2-DICHLOROPROPANE	10.361	63	245875	5.34	PPBV		99
57) DIBROMOMETHANE	10.336	174	261552	5.04	PPBV		97
58) ETHYL ACRYLATE	10.416	55	425993	5.12	PPBV		99
59) BROMODICHLOROMETHANE	10.606	83	540223	5.18	PPBV		100
60) 2,2,4-TRIMETHYLPENTANE	10.685	57	973540	5.44	PPBV		99
61) 1,4-DIOXANE	10.685	88	122741	4.50	PPBV	#	1
62) HEPTANE	11.028	43	344774	5.60	PPBV		99
63) METHYL METHACRYLATE	10.942	69	214720	5.32	PPBV		98
64) METHYL ISOBUTYL KETONE	11.799	58	181412	5.28	PPBV		100
65) cis-1,3-DICHLOROPROPENE	11.731	75	402547	5.22	PPBV		99
66) TOLUENE	12.961	92	422478	5.15	PPBV		99
67) 1,3-DICHLOROPROPANE	13.004	76	379761	5.34	PPBV	#	99
68) trans-1,3-DICHLOROPROPENE	12.410	75	358104	4.84	PPBV		100
69) 1,1,2-TRICHLOROETHANE	12.612	83	249437	5.34	PPBV		99
71) 2-HEXANONE	13.371	58	255379	5.25	PPBV		99
72) ETHYL METHACRYLATE	13.389	69	365412	5.22	PPBV		99
73) TETRACHLOROETHYLENE	14.466	164	302043	5.57	PPBV		99
74) DIBROMOCHLOROMETHANE	13.511	129	540159	5.27	PPBV		100
75) 1,2-DIBROMOETHANE	13.823	107	450832	5.58	PPBV		100
76) OCTANE	14.325	43	480408	5.59	PPBV		99
77) 1,1,1,2-TETRACHLOROETHANE	15.390	131	351959	5.45	PPBV		99
78) CHLOROBENZENE	15.408	112	608780	5.52	PPBV		99
79) ETHYLBENZENE	15.959	91	974334	5.59	PPBV		100
80) m,p-XYLENE	16.234	106	735362	10.95	PPBV		98
81) o-XYLENE	16.901	106	369565	5.63	PPBV		99
82) STYRENE	16.748	104	552274	5.56	PPBV		99
83) NONANE	17.311	43	513330	5.74	PPBV		100
84) BROMOFORM	16.289	173	529096	5.17	PPBV		100
86) 1,1,2,2-TETRACHLOROETHANE	16.907	83	682433	5.57	PPBV		100
87) 1,2,3-TRICHLOROPROPANE	17.096	75	482523	5.57	PPBV		99
88) ISOPROPYLBENZENE	17.812	105	1073018	5.53	PPBV		100
89) BROMOBENZENE	17.904	77	566636	5.50	PPBV		98
90) 2-CHLOROTOLUENE	18.546	126	264838	5.36	PPBV		100
91) n-PROPYLBENZENE	18.638	120	284766	5.48	PPBV		100
92) 4-ETHYLTOLUENE	18.877	105	1089019	5.65	PPBV		100
93) 1,3,5-TRIMETHYLBENZENE	19.011	105	921119	5.67	PPBV		100
94) ALPHA-METHYLSTYRENE	19.256	118	437586	5.24	PPBV		99
95) tert-BUTYLBENZENE	19.611	134	191242	5.58	PPBV		99
96) 1,2,4-TRIMETHYLBENZENE	19.623	105	990160	5.65	PPBV		99
97) m-DICHLOROBENZENE	19.819	146	668502	5.25	PPBV		100
98) BENZYL CHLORIDE	19.813	91	906932	5.04	PPBV		100
99) p-DICHLOROBENZENE	19.923	146	664978	5.67	PPBV		100
100) sec-BUTYLBENZENE	20.015	134	236216	5.70	PPBV		96
101) 1,2,3-TRIMETHYLBENZENE	20.235	105	964327	5.56	PPBV	#	100
102) p-ISOPROPYLTOLUENE	20.259	134	276086	5.66	PPBV		100
103) o-DICHLOROBENZENE	20.406	146	622668	5.58	PPBV		100
104) n-BUTYLBENZENE	20.853	134	258808	5.51	PPBV		98
105) HEXACHLOROETHANE	21.318	117	467063	5.52	PPBV		99
106) HEXACHLOROBUTADIENE	23.367	225	522385	4.72	PPBV		100
107) 1,2,4-TRICHLOROBENZENE	23.220	180	465755	4.65	PPBV		99
108) NAPHTHALENE	22.884	128	1115447	4.69	PPBV		99
110) TVHC as equiv Pentane	5.228	TIC	1399979	6.08	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55464.D
Acq On : 9 Dec 2024 7:45 am
Operator : benk
Sample : ic2125-5
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 09 10:08:17 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

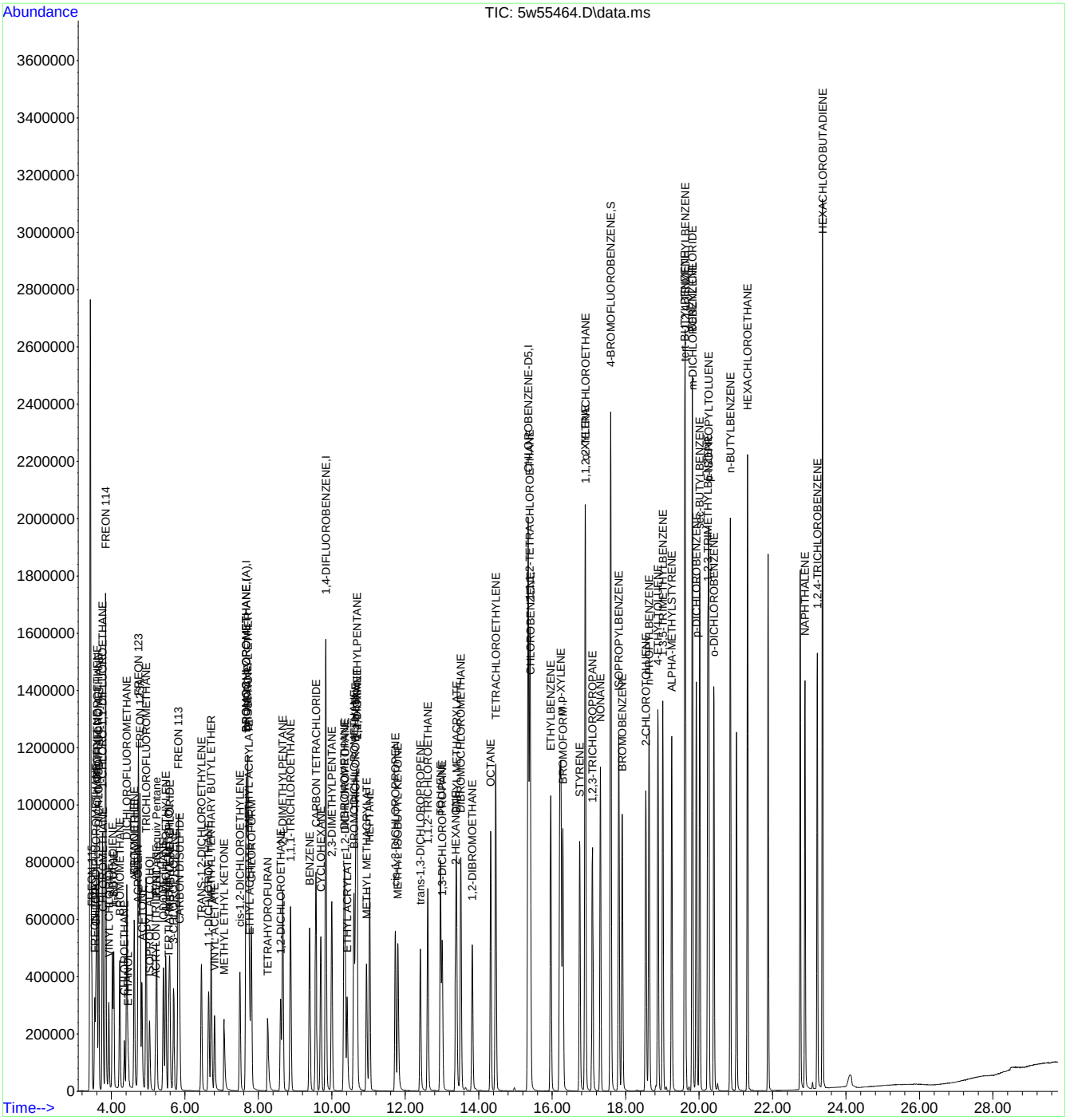
7.7.5

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55464.D
Acq On : 9 Dec 2024 7:45 am
Operator : benk
Sample : ic2125-5
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 09 10:08:17 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55466.D
Acq On : 9 Dec 2024 9:03 am
Operator : benk
Sample : icc2125-10
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 09:37:50 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.669	128	339202	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.835	114	1511260	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	15.347	82	875250	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.669	128	339202	10.00	PPBV	#	0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	17.592	95	994958	10.00	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 100.00%				
Target Compounds							Qvalue
2) FREON 115	3.466	119	605693	10.70	PPBV		100
3) FREON 152A	3.546	65	275104	10.70	PPBV		100
4) CHLORODIFLUOROMETHANE	3.576	67	146118	10.60	PPBV		100
5) CHLOROTRIFLUOROETHENE	3.607	116	620588	10.50	PPBV		100
6) DICHLORODIFLUOROMETHANE	3.656	85	1357955	10.60	PPBV		100
7) PROPYLENE	3.601	41	318393	10.90	PPBV		100
8) 1-CHLORO-1,1-DIFLUOROE...	3.754	65	1349681	10.60	PPBV		100
9) FREON 114	3.839	85	1681548	11.00	PPBV		100
10) CHLOROMETHANE	3.772	52	163220	10.40	PPBV		100
11) VINYL CHLORIDE	3.931	62	572748	10.30	PPBV		100
12) 1,3-BUTADIENE	4.029	54	390556	10.80	PPBV		100
13) n-BUTANE	4.066	43	731849	10.81	PPBV		100
14) BROMOMETHANE	4.231	94	580880	10.50	PPBV		100
15) CHLOROETHANE	4.353	64	255610	10.40	PPBV		100
16) DICHLOROFLUOROMETHANE	4.421	67	1285896	10.60	PPBV		100
17) ACETONITRILE	4.622	41	400956	10.10	PPBV		100
18) ACROLEIN	4.714	56	194255	10.50	PPBV		100
19) FREON 123	4.733	83	1310076	10.60	PPBV		100
20) FREON 123A	4.775	117	734746	11.00	PPBV		100
21) TRICHLOROFLUOROMETHANE	4.947	101	1219357	10.60	PPBV		100
22) ISOPROPYL ALCOHOL	5.032	45	764798	10.60	PPBV		100
23) ACETONE	4.824	58	227018	10.30	PPBV		100
24) PENTANE	5.234	42	396405	10.90	PPBV		100
25) IODOMETHANE	5.418	142	1102700	11.00	PPBV		100
26) 1,1-DICHLOROETHYLENE	5.485	96	387658	10.70	PPBV		100
27) CARBON DISULFIDE	5.852	76	1147721	10.60	PPBV		100
28) ETHANOL	4.457	45	271251	10.20	PPBV		100
29) BROMOETHENE	4.622	106	544999	10.60	PPBV		100
30) ACRYLONITRILE	5.204	52	251010	11.01	PPBV		100
31) METHYLENE CHLORIDE	5.595	84	363117	10.50	PPBV		100
32) 3-CHLOROPROPENE	5.693	76	185861	10.50	PPBV		100
33) FREON 113	5.822	151	636251	10.60	PPBV		100
34) TRANS-1,2-DICHLOROETHY...	6.452	96	404191	10.50	PPBV		100
35) TERTIARY BUTYL ALCOHOL	5.546	59	761817	9.90	PPBV		100
36) METHYL TERTIARY BUTYL ...	6.715	73	1138359	10.80	PPBV		100
37) TETRAHYDROFURAN	8.244	72	181760	10.50	PPBV		100
38) HEXANE	7.706	57	624158	10.80	PPBV		100
39) VINYL ACETATE	6.806	86	70963	10.40	PPBV		100
40) 1,1-DICHLOROETHANE	6.647	63	773941	10.70	PPBV		100
41) METHYL ETHYL KETONE	7.057	72	190475	10.80	PPBV		100
42) cis-1,2-DICHLOROETHYLENE	7.498	96	434152	10.70	PPBV		100
43) DIISOPROPYL ETHER	7.718	59	190722	10.80	PPBV		100
44) ETHYL ACETATE	7.749	61	138469	10.80	PPBV	#	100
45) METHYL ACRYLATE	7.736	55	759561	10.81	PPBV		100
46) CHLOROFORM	7.810	83	965951	10.80	PPBV		100
47) 2,4-DIMETHYLPENTANE	8.666	57	697723	10.80	PPBV		100
48) 1,1,1-TRICHLOROETHANE	8.874	97	978590	10.80	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55466.D
Acq On : 9 Dec 2024 9:03 am
Operator : benk
Sample : icc2125-10
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 09:37:50 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
49) CARBON TETRACHLORIDE	9.566	117	1055955	10.80	PPBV		100
50) 1,2-DICHLOROETHANE	8.605	62	654982	10.90	PPBV		100
52) BENZENE	9.400	78	1252492	11.00	PPBV		100
53) CYCLOHEXANE	9.700	84	494054	10.90	PPBV		100
54) 2,3-DIMETHYLPENTANE	10.000	71	257829	10.80	PPBV		100
55) TRICHLOROETHYLENE	10.655	95	617097	10.50	PPBV		100
56) 1,2-DICHLOROPROPANE	10.361	63	491975	10.50	PPBV		100
57) DIBROMOMETHANE	10.336	174	554921	10.50	PPBV		100
58) ETHYL ACRYLATE	10.416	55	906659	10.70	PPBV		100
59) BROMODICHLOROMETHANE	10.606	83	1114691	10.50	PPBV		100
60) 2,2,4-TRIMETHYLPENTANE	10.685	57	1969454	10.80	PPBV		100
61) 1,4-DIOXANE	10.673	88	291854	10.50	PPBV		100
62) HEPTANE	11.028	43	690296	11.00	PPBV		100
63) METHYL METHACRYLATE	10.936	69	448158	10.90	PPBV		100
64) METHYL ISOBUTYL KETONE	11.792	58	377985	10.80	PPBV		100
65) cis-1,3-DICHLOROPROPENE	11.731	75	840076	10.70	PPBV		100
66) TOLUENE	12.961	92	885739	10.60	PPBV		100
67) 1,3-DICHLOROPROPANE	13.010	76	767017	10.60	PPBV	#	100
68) trans-1,3-DICHLOROPROPENE	12.410	75	768015	10.20	PPBV		100
69) 1,1,2-TRICHLOROETHANE	12.612	83	509433	10.70	PPBV		100
71) 2-HEXANONE	13.365	58	548403	10.60	PPBV		100
72) ETHYL METHACRYLATE	13.389	69	781201	10.50	PPBV		100
73) TETRACHLOROETHYLENE	14.466	164	628078	10.90	PPBV		100
74) DIBROMOCHLOROMETHANE	13.511	129	1144713	10.50	PPBV		100
75) 1,2-DIBROMOETHANE	13.823	107	943815	11.00	PPBV		100
76) OCTANE	14.331	43	995955	10.90	PPBV		100
77) 1,1,1,2-TETRACHLOROETHANE	15.390	131	741767	10.80	PPBV		100
78) CHLOROBENZENE	15.408	112	1266085	10.80	PPBV		100
79) ETHYLBENZENE	15.959	91	2039775	11.00	PPBV		100
80) m,p-XYLENE	16.234	106	1527990	21.40	PPBV		100
81) o-XYLENE	16.901	106	760103	10.90	PPBV		100
82) STYRENE	16.754	104	1162167	11.00	PPBV		100
83) NONANE	17.311	43	1035723	10.90	PPBV		100
84) BROMOFORM	16.289	173	1163343	10.70	PPBV		100
86) 1,1,2,2-TETRACHLOROETHANE	16.907	83	1418746	10.90	PPBV		100
87) 1,2,3-TRICHLOROPROPANE	17.096	75	975518	10.60	PPBV		100
88) ISOPROPYLBENZENE	17.812	105	2187498	10.60	PPBV		100
89) BROMOBENZENE	17.910	77	1139573	10.40	PPBV		100
90) 2-CHLOROTOLUENE	18.546	126	541116	10.30	PPBV		100
91) n-PROPYLBENZENE	18.638	120	585017	10.60	PPBV		100
92) 4-ETHYLTOLUENE	18.883	105	2232548	10.90	PPBV		100
93) 1,3,5-TRIMETHYLBENZENE	19.011	105	1882828	10.90	PPBV		100
94) ALPHA-METHYLSTYRENE	19.256	118	922485	10.40	PPBV		100
95) tert-BUTYLBENZENE	19.611	134	400422	11.00	PPBV		100
96) 1,2,4-TRIMETHYLBENZENE	19.629	105	2047810	11.00	PPBV		100
97) m-DICHLOROBENZENE	19.819	146	1407750	10.40	PPBV		100
98) BENZYL CHLORIDE	19.813	91	1990839	10.40	PPBV		100
99) p-DICHLOROBENZENE	19.923	146	1359653	10.90	PPBV		100
100) sec-BUTYLBENZENE	20.015	134	479738	10.90	PPBV		100
101) 1,2,3-TRIMETHYLBENZENE	20.235	105	1974262	10.70	PPBV	#	100
102) p-ISOPROPYLTOLUENE	20.265	134	559789	10.80	PPBV		100
103) o-DICHLOROBENZENE	20.406	146	1269083	10.70	PPBV		100
104) n-BUTYLBENZENE	20.853	134	539061	10.80	PPBV		100
105) HEXACHLOROETHANE	21.318	117	988753	11.00	PPBV		100
106) HEXACHLOROBUTADIENE	23.367	225	1271645	10.80	PPBV		100
107) 1,2,4-TRICHLOROBENZENE	23.220	180	1160909	10.90	PPBV		100
108) NAPHTHALENE	22.884	128	2753803	10.90	PPBV		100
110) TVHC as equiv Pentane	5.234	TIC	2596090	10.90	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55466.D
Acq On : 9 Dec 2024 9:03 am
Operator : benk
Sample : icc2125-10
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 09:37:50 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

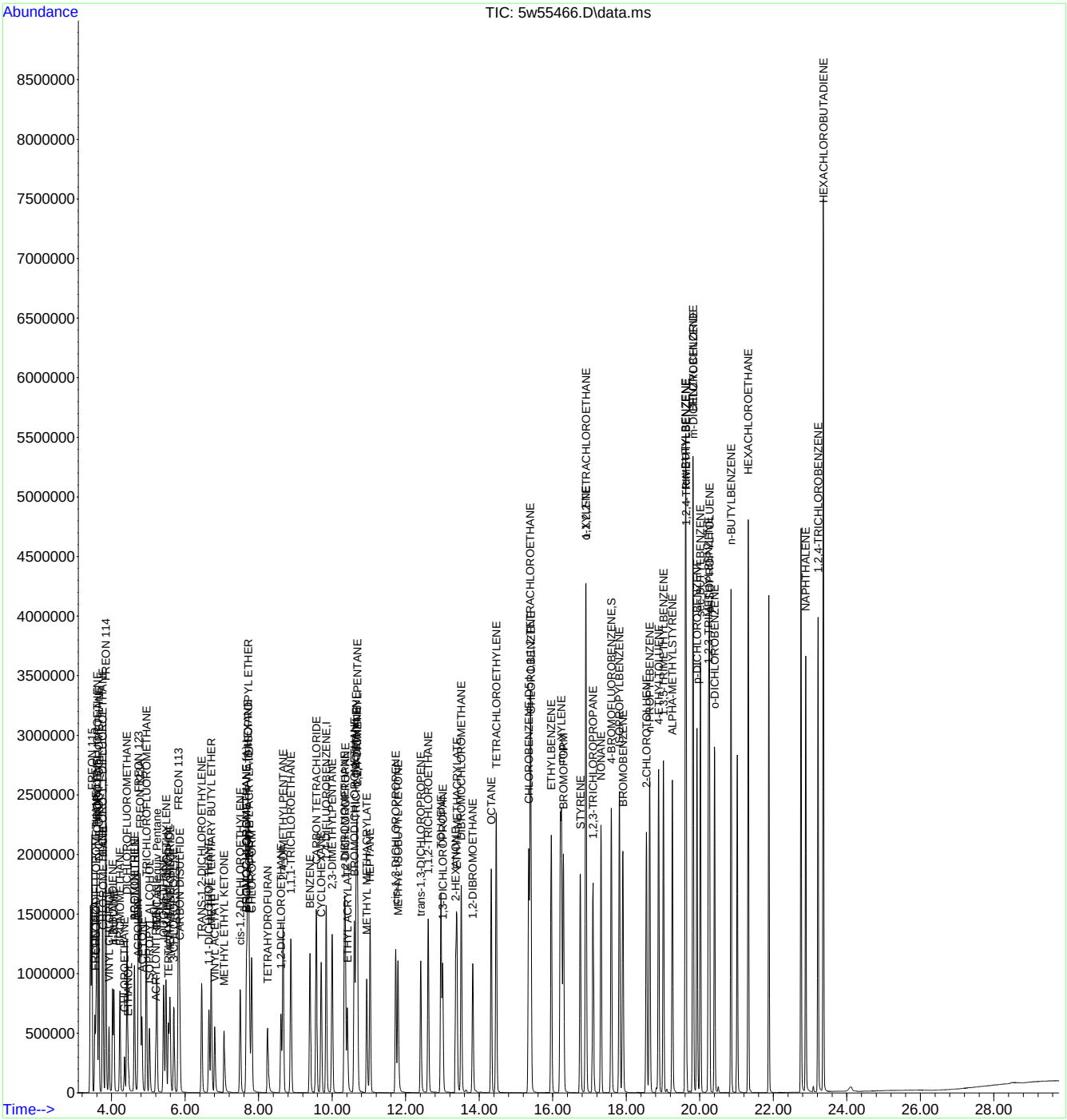
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55466.D
Acq On : 9 Dec 2024 9:03 am
Operator : benk
Sample : icc2125-10
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 09:37:50 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55467.D
Acq On : 9 Dec 2024 9:45 am
Operator : benk
Sample : ic2125-20
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 10:15:13 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 10:14:37 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	7.675	128	342882	10.00	PPBV	0.00
51) 1,4-DIFLUOROBENZENE	9.841	114	1466721	10.00	PPBV	0.00
70) CHLOROBENZENE-D5	15.347	82	922805	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	7.675	128	342882	10.00	PPBV	# 0.00
System Monitoring Compounds						
85) 4-BROMOFLUOROBENZENE	17.592	95	962216	8.66	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 86.60%			
Target Compounds						Qvalue
2) FREON 115	3.466	119	934470	19.68	PPBV	98
3) FREON 152A	3.546	65	555724	22.02	PPBV	100
4) CHLORODIFLUOROMETHANE	3.576	67	300670	23.90	PPBV	100
5) CHLOROTRIFLUOROETHENE	3.607	116	1281526	22.22	PPBV	100
6) DICHLORODIFLUOROMETHANE	3.656	85	2693197	21.30	PPBV	100
7) PROPYLENE	3.601	41	643425	19.46	PPBV	98
8) 1-CHLORO-1,1-DIFLUOROE...	3.754	65	2571204	18.91	PPBV	100
9) FREON 114	3.839	85	3131351	18.84	PPBV	98
10) CHLOROMETHANE	3.772	52	310103	17.98	PPBV	96
11) VINYL CHLORIDE	3.931	62	1066972	17.42	PPBV	99
12) 1,3-BUTADIENE	4.029	54	737734	17.78	PPBV	99
13) n-BUTANE	4.066	43	1358072	16.34	PPBV	99
14) BROMOMETHANE	4.231	94	1092994	16.45	PPBV	99
15) CHLOROETHANE	4.353	64	475231	16.78	PPBV	100
16) DICHLOROFLUOROMETHANE	4.421	67	2390761	16.93	PPBV	100
17) ACETONITRILE	4.622	41	742883	15.46	PPBV	99
18) ACROLEIN	4.714	56	362625	18.04	PPBV	100
19) FREON 123	4.733	83	2426147	17.04	PPBV	99
20) FREON 123A	4.782	117	1384065	18.79	PPBV	97
21) TRICHLOROFLUOROMETHANE	4.947	101	2407405	20.30	PPBV	99
22) ISOPROPYL ALCOHOL	5.026	45	1487631	18.75	PPBV	100
23) ACETONE	4.818	58	409828	12.79	PPBV	100
24) PENTANE	5.234	42	771291	20.37	PPBV	99
25) IODOMETHANE	5.418	142	2200301	23.28	PPBV	99
26) 1,1-DICHLOROETHYLENE	5.485	96	762107	20.94	PPBV	100
27) CARBON DISULFIDE	5.852	76	2235145	21.22	PPBV	99
28) ETHANOL	4.457	45	502201	15.69	PPBV	100
29) BROMOETHENE	4.622	106	1034552	19.32	PPBV	100
30) ACRYLONITRILE	5.204	52	489577	14.31	PPBV	99
31) METHYLENE CHLORIDE	5.595	84	698189	18.40	PPBV	100
32) 3-CHLOROPROPENE	5.699	76	362658	21.91	PPBV	99
33) FREON 113	5.822	151	1282144	21.91	PPBV	99
34) TRANS-1,2-DICHLOROETHY...	6.452	96	795699	20.82	PPBV	99
35) TERTIARY BUTYL ALCOHOL	5.540	59	1504766	22.16	PPBV	99
36) METHYL TERTIARY BUTYL ...	6.709	73	2261702	23.80	PPBV	100
37) TETRAHYDROFURAN	8.232	72	361477	26.09	PPBV	98
38) HEXANE	7.706	57	1299772	25.51	PPBV	98
39) VINYL ACETATE	6.807	86	150354	28.46	PPBV	# 94
40) 1,1-DICHLOROETHANE	6.654	63	1502107	20.85	PPBV	100
41) METHYL ETHYL KETONE	7.051	72	374963	27.41	PPBV	97
42) cis-1,2-DICHLOROETHYLENE	7.504	96	852592	21.70	PPBV	99
43) DIISOPROPYL ETHER	7.718	59	397171	26.25	PPBV	96
44) ETHYL ACETATE	7.749	61	275669	27.45	PPBV	# 99
45) METHYL ACRYLATE	7.736	55	1562708	25.53	PPBV	99
46) CHLOROFORM	7.816	83	1887887	21.07	PPBV	99
47) 2,4-DIMETHYLPENTANE	8.666	57	1404201	24.81	PPBV	99
48) 1,1,1-TRICHLOROETHANE	8.880	97	1974201	22.31	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55467.D
Acq On : 9 Dec 2024 9:45 am
Operator : benk
Sample : ic2125-20
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 10:15:13 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 10:14:37 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
49)	CARBON TETRACHLORIDE	9.572	117	2157722	23.55	PPBV		100
50)	1,2-DICHLOROETHANE	8.605	62	1304364	23.01	PPBV		100
52)	BENZENE	9.400	78	2480296	24.21	PPBV		100
53)	CYCLOHEXANE	9.700	84	977006	26.51	PPBV		100
54)	2,3-DIMETHYLPENTANE	10.000	71	518636	25.98	PPBV		100
55)	TRICHLOROETHYLENE	10.655	95	1261399	24.13	PPBV		99
56)	1,2-DICHLOROPROPANE	10.361	63	995547	22.86	PPBV		99
57)	DIBROMOMETHANE	10.336	174	1159519	22.34	PPBV		99
58)	ETHYL ACRYLATE	10.410	55	1809029	28.78	PPBV		100
59)	BROMODICHLOROMETHANE	10.606	83	2255590	24.75	PPBV		100
60)	2,2,4-TRIMETHYLPENTANE	10.691	57	3898314	25.47	PPBV		100
61)	1,4-DIOXANE	10.667	88	596545	26.92	PPBV	#	34
62)	HEPTANE	11.034	43	1372329	25.70	PPBV		99
63)	METHYL METHACRYLATE	10.936	69	886208	27.70	PPBV		99
64)	METHYL ISOBUTYL KETONE	11.786	58	763728	28.95	PPBV		99
65)	cis-1,3-DICHLOROPROPENE	11.731	75	1712055	27.85	PPBV		99
66)	TOLUENE	12.961	92	1782618	26.48	PPBV		99
67)	1,3-DICHLOROPROPANE	13.010	76	1520252	24.75	PPBV	#	100
68)	trans-1,3-DICHLOROPROPENE	12.410	75	1566263	28.62	PPBV		100
69)	1,1,2-TRICHLOROETHANE	12.612	83	1021706	24.00	PPBV		100
71)	2-HEXANONE	13.359	58	1123497	27.97	PPBV		99
72)	ETHYL METHACRYLATE	13.389	69	1592458	26.68	PPBV		100
73)	TETRACHLOROETHYLENE	14.466	164	1295487	21.06	PPBV		100
74)	DIBROMOCHLOROMETHANE	13.512	129	2360665	25.16	PPBV		100
75)	1,2-DIBROMOETHANE	13.830	107	1912584	23.66	PPBV		100
76)	OCTANE	14.331	43	2007056	25.12	PPBV		99
77)	1,1,1,2-TETRACHLOROETHANE	15.396	131	1557559	23.42	PPBV		100
78)	CHLOROBENZENE	15.408	112	2596682	21.36	PPBV		99
79)	ETHYLBENZENE	15.959	91	4106023	24.25	PPBV		99
80)	m,p-XYLENE	16.240	106	3148620	50.94	PPBV		98
81)	o-XYLENE	16.907	106	1571210	26.11	PPBV		99
82)	STYRENE	16.754	104	2380882	28.53	PPBV		100
83)	NONANE	17.317	43	2075321	24.63	PPBV		100
84)	BROMOFORM	16.295	173	2439049	29.26	PPBV		100
86)	1,1,2,2-TETRACHLOROETHANE	16.907	83	2867748	22.16	PPBV		99
87)	1,2,3-TRICHLOROPROPANE	17.096	75	1910251	20.08	PPBV		100
88)	ISOPROPYLBENZENE	17.818	105	4416866	22.71	PPBV		99
89)	BROMOBENZENE	17.910	77	2298802	20.38	PPBV		100
90)	2-CHLOROTOLUENE	18.546	126	1104210	23.56	PPBV		100
91)	n-PROPYLBENZENE	18.638	120	1183858	25.27	PPBV		100
92)	4-ETHYLTOLUENE	18.883	105	4498304	25.88	PPBV		99
93)	1,3,5-TRIMETHYLBENZENE	19.011	105	3785845	25.41	PPBV		100
94)	ALPHA-METHYLSTYRENE	19.256	118	1903435	28.19	PPBV		99
95)	tert-BUTYLBENZENE	19.617	134	838658	31.61	PPBV		98
96)	1,2,4-TRIMETHYLBENZENE	19.629	105	4186232	26.94	PPBV		99
97)	m-DICHLOROBENZENE	19.819	146	2890142	23.15	PPBV		100
98)	BENZYL CHLORIDE	19.813	91	4095162	27.40	PPBV		99
99)	p-DICHLOROBENZENE	19.923	146	2725460	23.12	PPBV		99
100)	sec-BUTYLBENZENE	20.021	134	963244	24.93	PPBV		97
101)	1,2,3-TRIMETHYLBENZENE	20.241	105	4017952	25.38	PPBV	#	99
102)	p-ISOPROPYLTOLUENE	20.265	134	1146159	25.56	PPBV		96
103)	o-DICHLOROBENZENE	20.406	146	2526786	21.80	PPBV		99
104)	n-BUTYLBENZENE	20.853	134	1115820	28.21	PPBV		96
105)	HEXACHLOROETHANE	21.318	117	2036046	26.21	PPBV		99
106)	HEXACHLOROBUTADIENE	23.367	225	2757653	27.12	PPBV		99
107)	1,2,4-TRICHLOROBENZENE	23.220	180	2474878	27.79	PPBV		99
108)	NAPHTHALENE	22.884	128	5516380	27.68	PPBV		99
110)	TVHC as equiv Pentane	5.234	TIC	5095960	17.51	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55467.D
Acq On : 9 Dec 2024 9:45 am
Operator : benk
Sample : ic2125-20
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 10:15:13 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 10:14:37 2024
Response via : Initial Calibration

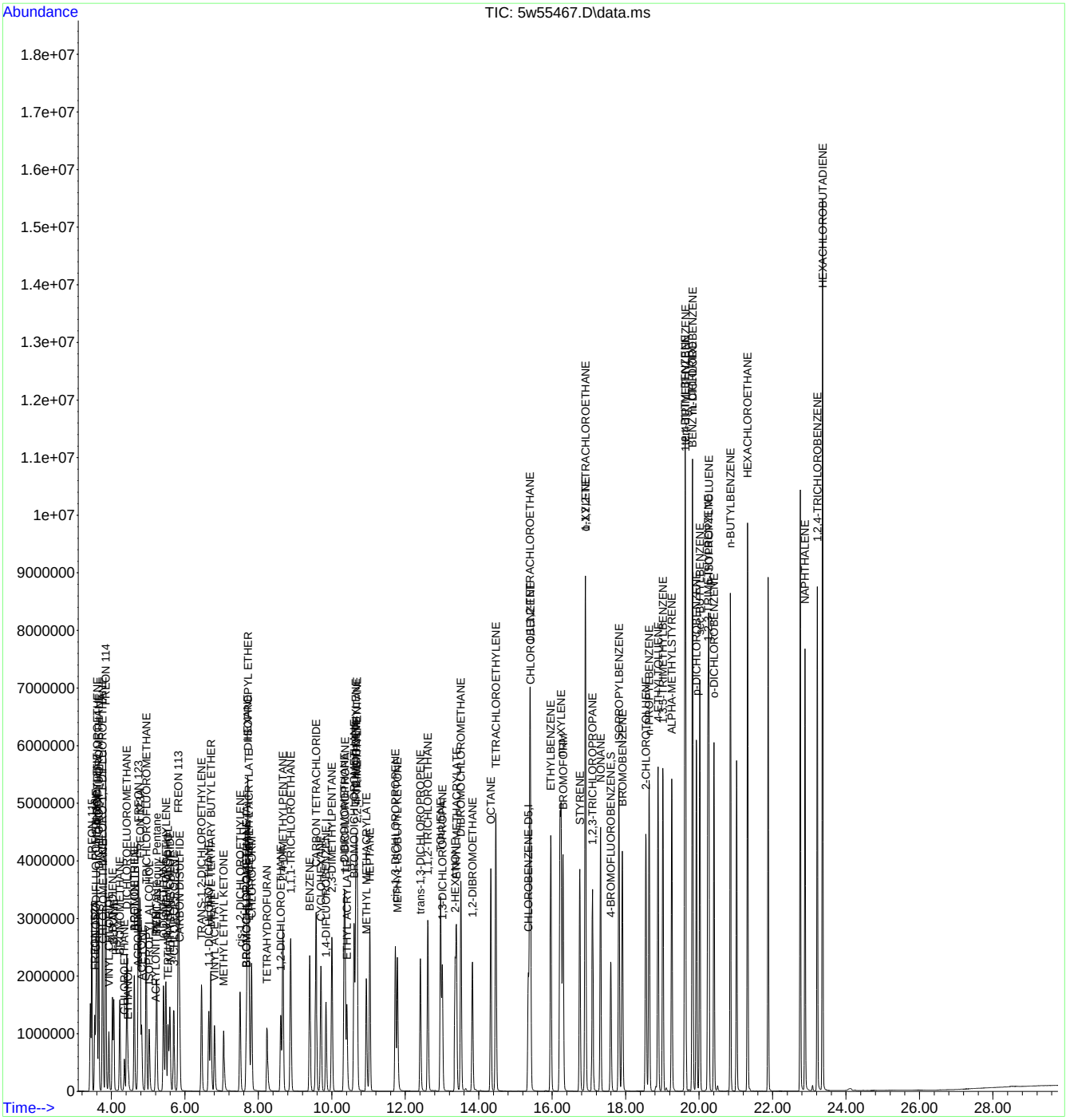
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55467.D
Acq On : 9 Dec 2024 9:45 am
Operator : benk
Sample : ic2125-20
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 10:15:13 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 10:14:37 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55468.D
Acq On : 9 Dec 2024 10:29 am
Operator : benk
Sample : ic2125-40
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 12:17:33 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 10:16:29 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	7.675	128	341329	10.00	PPBV	0.00
51) 1,4-DIFLUOROBENZENE	9.841	114	1382725	10.00	PPBV	0.00
70) CHLOROBENZENE-D5	15.353	82	1000073	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	7.675	128	341329	10.00	PPBV	# 0.00
System Monitoring Compounds						
85) 4-BROMOFLUOROBENZENE	17.598	95	916347	7.75	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 77.50%			
Target Compounds						Qvalue
3) FREON 152A	3.540	65	1110003	44.01	PPBV	100
4) CHLORODIFLUOROMETHANE	3.570	67	618926	48.54	PPBV	99
5) CHLOROTRIFLUOROETHENE	3.601	116	2675087	46.21	PPBV	99
6) DICHLORODIFLUOROMETHANE	3.650	85	5267335	41.82	PPBV	98
7) PROPYLENE	3.589	41	1264054	39.00	PPBV	99
8) 1-CHLORO-1,1-DIFLUOROE...	3.754	65	4841129	36.33	PPBV	99
9) FREON 114	3.839	85	5644224	34.83	PPBV	94
10) CHLOROMETHANE	3.766	52	586442	34.83	PPBV	95
11) VINYL CHLORIDE	3.925	62	1976978	33.16	PPBV	99
12) 1,3-BUTADIENE	4.023	54	1352676	33.60	PPBV	98
13) n-BUTANE	4.060	43	2400545	30.24	PPBV	99
14) BROMOMETHANE	4.225	94	2043818	32.06	PPBV	100
15) CHLOROETHANE	4.353	64	871035	31.77	PPBV	100
16) DICHLOROFLUOROMETHANE	4.414	67	4291710	31.43	PPBV	99
17) ACETONITRILE	4.622	41	1277797	27.81	PPBV	99
18) ACROLEIN	4.714	56	645615	33.04	PPBV	100
19) FREON 123	4.733	83	4240053	30.77	PPBV	98
20) FREON 123A	4.775	117	2547507	35.48	PPBV	89
21) TRICHLOROFLUOROMETHANE	4.941	101	4713026	40.16	PPBV	99
22) ISOPROPYL ALCOHOL	5.026	45	2716413	35.07	PPBV	100
23) ACETONE	4.818	58	731236	24.80	PPBV	98
24) PENTANE	5.228	42	1485676	39.79	PPBV	99
25) IODOMETHANE	5.418	142	4451630	46.92	PPBV	100
26) 1,1-DICHLOROETHYLENE	5.479	96	1496349	41.43	PPBV	98
27) CARBON DISULFIDE	5.852	76	4309243	41.09	PPBV	99
28) ETHANOL	4.457	45	853574	28.43	PPBV	100
29) BROMOETHENE	4.616	106	1928359	36.64	PPBV	99
30) ACRYLONITRILE	5.204	52	958150	30.25	PPBV	100
31) METHYLENE CHLORIDE	5.595	84	1342564	36.18	PPBV	98
32) 3-CHLOROPROPENE	5.693	76	697695	42.08	PPBV	99
33) FREON 113	5.822	151	2636699	45.05	PPBV	97
34) TRANS-1,2-DICHLOROETHY...	6.452	96	1572877	41.40	PPBV	99
35) TERTIARY BUTYL ALCOHOL	5.540	59	2859765	41.60	PPBV	98
36) METHYL TERTIARY BUTYL ...	6.702	73	4395819	45.80	PPBV	99
37) TETRAHYDROFURAN	8.226	72	698114	48.66	PPBV	96
38) HEXANE	7.706	57	2611399	50.18	PPBV	95
39) VINYL ACETATE	6.806	86	306105	54.21	PPBV	# 87
40) 1,1-DICHLOROETHANE	6.654	63	2896622	40.54	PPBV	99
41) METHYL ETHYL KETONE	7.051	72	729314	51.25	PPBV	97
42) cis-1,2-DICHLOROETHYLENE	7.504	96	1696626	43.29	PPBV	99
43) DIISOPROPYL ETHER	7.712	59	811232	52.00	PPBV	# 88
44) ETHYL ACETATE	7.749	61	550445	52.69	PPBV	# 97
45) METHYL ACRYLATE	7.736	55	3113267	49.30	PPBV	98
46) CHLOROFORM	7.816	83	3681330	41.42	PPBV	100
47) 2,4-DIMETHYLPENTANE	8.666	57	2767046	48.09	PPBV	99
48) 1,1,1-TRICHLOROETHANE	8.880	97	3966870	44.82	PPBV	99
49) CARBON TETRACHLORIDE	9.572	117	4344419	47.03	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55468.D
Acq On : 9 Dec 2024 10:29 am
Operator : benk
Sample : ic2125-40
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 12:17:33 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 10:16:29 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	8.611	62	2563201	45.07	PPBV		100
52)	BENZENE	9.400	78	4805887	49.06	PPBV		99
53)	CYCLOHEXANE	9.700	84	1932753	53.96	PPBV		98
54)	2,3-DIMETHYLPENTANE	10.006	71	1034868	53.44	PPBV		97
55)	TRICHLOROETHYLENE	10.654	95	2594903	51.56	PPBV		99
56)	1,2-DICHLOROPROPANE	10.361	63	1968777	47.35	PPBV		98
57)	DIBROMOMETHANE	10.342	174	2452377	49.66	PPBV		96
58)	ETHYL ACRYLATE	10.410	55	3514442	56.09	PPBV		99
59)	BROMODICHLOROMETHANE	10.612	83	4532566	51.44	PPBV		99
60)	2,2,4-TRIMETHYLPENTANE	10.691	57	7451774	50.35	PPBV		98
61)	1,4-DIOXANE	10.661	88	1171033	53.54	PPBV	#	1
62)	HEPTANE	11.034	43	2670311	51.81	PPBV		98
63)	METHYL METHACRYLATE	10.936	69	1706636	54.15	PPBV		97
64)	METHYL ISOBUTYL KETONE	11.786	58	1514817	57.65	PPBV		96
65)	cis-1,3-DICHLOROPROPENE	11.731	75	3416380	56.51	PPBV		98
66)	TOLUENE	12.967	92	3622228	55.11	PPBV		98
67)	1,3-DICHLOROPROPANE	13.010	76	2997850	50.56	PPBV	#	100
68)	trans-1,3-DICHLOROPROPENE	12.410	75	3139635	57.54	PPBV		99
69)	1,1,2-TRICHLOROETHANE	12.618	83	2047204	50.14	PPBV		99
71)	2-HEXANONE	13.359	58	2249832	49.07	PPBV		96
72)	ETHYL METHACRYLATE	13.395	69	3192358	47.23	PPBV		98
73)	TETRACHLOROETHYLENE	14.472	164	2700260	40.71	PPBV		99
74)	DIBROMOCHLOROMETHANE	13.518	129	4797242	45.88	PPBV		99
75)	1,2-DIBROMOETHANE	13.836	107	3887570	43.91	PPBV		100
76)	OCTANE	14.337	43	3923196	44.34	PPBV		96
77)	1,1,1,2-TETRACHLOROETHANE	15.396	131	3275763	44.91	PPBV		100
78)	CHLOROBENZENE	15.414	112	5271880	40.07	PPBV		99
79)	ETHYLBENZENE	15.965	91	8126299	43.65	PPBV		97
80)	m,p-XYLENE	16.246	106	6467969	94.01	PPBV		92
81)	o-XYLENE	16.907	106	3188562	47.55	PPBV		95
82)	STYRENE	16.754	104	4879514	51.77	PPBV		99
83)	NONANE	17.317	43	3987420	42.86	PPBV		97
84)	BROMOFORM	16.301	173	5078215	52.97	PPBV		99
86)	1,1,2,2-TETRACHLOROETHANE	16.913	83	5613840	39.93	PPBV		99
87)	1,2,3-TRICHLOROPROPANE	17.103	75	3751035	36.66	PPBV		97
88)	ISOPROPYLBENZENE	17.824	105	8798069	41.32	PPBV		97
89)	BROMOBENZENE	17.916	77	4625514	37.94	PPBV		97
90)	2-CHLOROTOLUENE	18.552	126	2317722	44.71	PPBV		99
91)	n-PROPYLBENZENE	18.644	120	2469115	47.34	PPBV		100
92)	4-ETHYLTOLUENE	18.883	105	8909475	46.07	PPBV		96
93)	1,3,5-TRIMETHYLBENZENE	19.017	105	7582950	45.88	PPBV		97
94)	ALPHA-METHYLSTYRENE	19.262	118	3974554	51.70	PPBV		99
95)	tert-BUTYLBENZENE	19.623	134	1750552	57.31	PPBV	#	88
96)	1,2,4-TRIMETHYLBENZENE	19.635	105	8073536	46.45	PPBV		96
97)	m-DICHLOROBENZENE	19.825	146	5812290	42.28	PPBV		98
98)	BENZYL CHLORIDE	19.819	91	7865415	46.45	PPBV		97
99)	p-DICHLOROBENZENE	19.929	146	5572136	43.25	PPBV		98
100)	sec-BUTYLBENZENE	20.021	134	1985344	46.46	PPBV	#	80
101)	1,2,3-TRIMETHYLBENZENE	20.241	105	7982379	45.32	PPBV	#	96
102)	p-ISOPROPYLTOLUENE	20.272	134	2391446	47.95	PPBV	#	84
103)	o-DICHLOROBENZENE	20.412	146	5204091	41.33	PPBV		98
104)	n-BUTYLBENZENE	20.859	134	2355801	52.65	PPBV	#	78
105)	HEXACHLOROETHANE	21.324	117	4095368	47.35	PPBV		94
106)	HEXACHLOROBUTADIENE	23.367	225	5758391	50.41	PPBV		98
107)	1,2,4-TRICHLOROBENZENE	23.226	180	5399109	53.83	PPBV		99
108)	NAPHTHALENE	22.890	128	10659068	47.52	PPBV		95
110)	TVHC as equiv Pentane	5.228	TIC	9863883	35.04	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55468.D
Acq On : 9 Dec 2024 10:29 am
Operator : benk
Sample : ic2125-40
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 12:17:33 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 10:16:29 2024
Response via : Initial Calibration

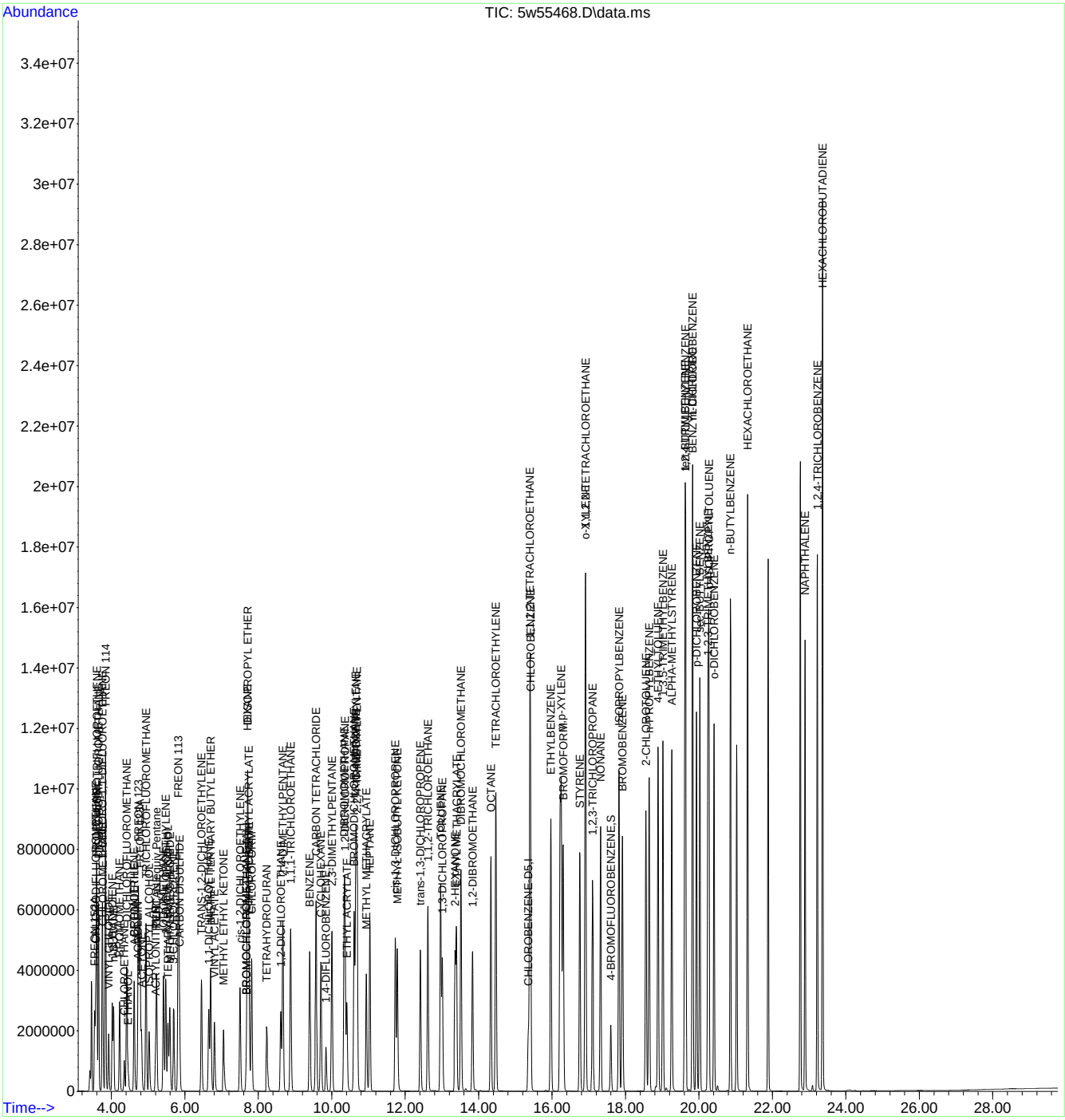
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55468.D
Acq On : 9 Dec 2024 10:29 am
Operator : benk
Sample : ic2125-40
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 12:17:33 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 10:16:29 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55469.D
Acq On : 9 Dec 2024 11:14 am
Operator : benk
Sample : ic2125-50
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 14:36:15 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 11:06:14 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.681	128	363096	10.00	PPBV		0.01
51) 1,4-DIFLUOROBENZENE	9.847	114	1435494	10.00	PPBV		0.01
70) CHLOROBENZENE-D5	15.353	82	1087902	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.681	128	363096	10.00	PPBV	#	0.01
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	17.598	95	962842	7.71	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 77.10%				
Target Compounds							Qvalue
3) FREON 152A	3.546	65	1409928	52.36	PPBV		100
4) CHLORODIFLUOROMETHANE	3.576	67	788640	57.10	PPBV		99
5) CHLOROTRIFLUOROETHENE	3.607	116	3518696	56.43	PPBV		99
6) DICHLORODIFLUOROMETHANE	3.656	85	6578479	49.18	PPBV		97
7) PROPYLENE	3.601	41	1558841	45.82	PPBV		98
8) 1-CHLORO-1,1-DIFLUOROE...	3.754	65	5783866	41.54	PPBV		98
9) FREON 114	3.839	85	6688154	39.83	PPBV		92
10) CHLOROMETHANE	3.772	52	708046	40.35	PPBV		93
11) VINYL CHLORIDE	3.931	62	2437569	39.40	PPBV		99
12) 1,3-BUTADIENE	4.029	54	1667571	40.06	PPBV		97
13) n-BUTANE	4.066	43	2956319	36.57	PPBV		98
14) BROMOMETHANE	4.231	94	2585698	39.46	PPBV		100
15) CHLOROETHANE	4.353	64	1112344	39.30	PPBV		100
16) DICHLOROFLUOROMETHANE	4.421	67	5325853	37.89	PPBV		99
17) ACETONITRILE	4.622	41	1590540	34.05	PPBV		99
18) ACROLEIN	4.714	56	812347	40.31	PPBV		100
19) FREON 123	4.739	83	5322727	37.60	PPBV		97
20) FREON 123A	4.782	117	3262064	43.77	PPBV		86
21) TRICHLOROFLUOROMETHANE	4.947	101	5912238	47.68	PPBV		99
22) ISOPROPYL ALCOHOL	5.032	45	3130594	38.96	PPBV		100
24) PENTANE	5.234	42	1801214	45.85	PPBV		98
25) IODOMETHANE	5.424	142	5859104	57.57	PPBV		100
26) 1,1-DICHLOROETHYLENE	5.485	96	1920392	50.18	PPBV		94
27) CARBON DISULFIDE	5.852	76	5333899	48.00	PPBV		98
28) ETHANOL	4.457	45	1061688	35.38	PPBV		100
29) BROMOETHENE	4.622	106	2463970	44.77	PPBV		99
30) ACRYLONITRILE	5.210	52	1172261	36.70	PPBV		100
31) METHYLENE CHLORIDE	5.595	84	1703220	43.91	PPBV		96
32) 3-CHLOROPROPENE	5.699	76	888181	50.35	PPBV		93
33) FREON 113	5.822	151	3534845	56.33	PPBV		93
34) TRANS-1,2-DICHLOROETHY...	6.458	96	2032870	50.39	PPBV		96
35) TERTIARY BUTYL ALCOHOL	5.546	59	3417331	46.44	PPBV		98
36) METHYL TERTIARY BUTYL ...	6.709	73	5589862	54.34	PPBV		98
37) TETRAHYDROFURAN	8.232	72	882416	56.54	PPBV		93
38) HEXANE	7.712	57	3251354	57.57	PPBV		93
39) VINYL ACETATE	6.813	86	398132	63.09	PPBV	#	74
40) 1,1-DICHLOROETHANE	6.654	63	3625488	48.02	PPBV		98
41) METHYL ETHYL KETONE	7.051	72	929876	59.84	PPBV		93
42) cis-1,2-DICHLOROETHYLENE	7.504	96	2196558	52.61	PPBV		96
43) DIISOPROPYL ETHER	7.718	59	1010128	59.15	PPBV	#	83
44) ETHYL ACETATE	7.749	61	686502	59.89	PPBV	#	94
45) METHYL ACRYLATE	7.736	55	3866289	56.23	PPBV		97
46) CHLOROFORM	7.822	83	4663315	49.57	PPBV		99
47) 2,4-DIMETHYLPENTANE	8.672	57	3422747	55.14	PPBV		98
48) 1,1,1-TRICHLOROETHANE	8.880	97	5135690	54.30	PPBV		98
49) CARBON TETRACHLORIDE	9.572	117	5694246	57.32	PPBV		99
50) 1,2-DICHLOROETHANE	8.611	62	3247346	53.45	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55469.D
Acq On : 9 Dec 2024 11:14 am
Operator : benk
Sample : ic2125-50
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 14:36:15 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 11:06:14 2024
Response via : Initial Calibration

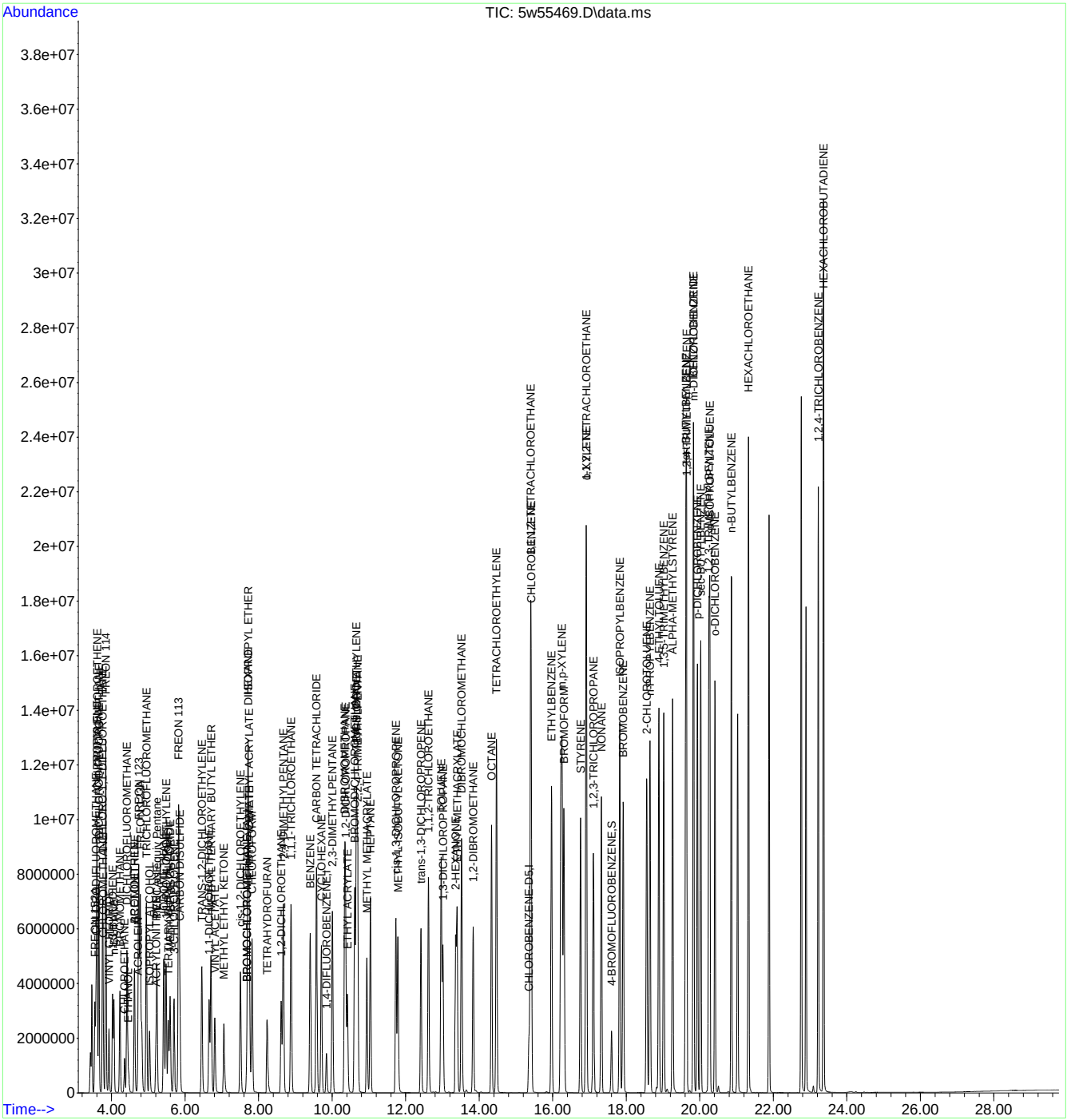
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
52) BENZENE	9.406	78	6113532	59.26	PPBV		99
53) CYCLOHEXANE	9.706	84	2475588	64.65	PPBV		96
54) 2,3-DIMETHYLPENTANE	10.006	71	1313485	63.46	PPBV		94
55) TRICHLOROETHYLENE	10.661	95	3350858	62.36	PPBV		96
56) 1,2-DICHLOROPROPANE	10.367	63	2447772	55.81	PPBV		97
57) DIBROMOMETHANE	10.342	174	3348127	63.85	PPBV		91
58) ETHYL ACRYLATE	10.416	55	4375473	64.41	PPBV		99
59) BROMODICHLOROMETHANE	10.618	83	5756859	61.21	PPBV		98
60) 2,2,4-TRIMETHYLPENTANE	10.697	57	9040011	57.64	PPBV		98
61) 1,4-DIOXANE	10.667	88	1504708	63.77	PPBV	#	1
62) HEPTANE	11.040	43	3250063	59.42	PPBV		96
63) METHYL METHACRYLATE	10.942	69	2166506	64.00	PPBV		99
64) METHYL ISOBUTYL KETONE	11.792	58	1897421	66.38	PPBV		93
65) cis-1,3-DICHLOROPROPENE	11.737	75	4365639	66.88	PPBV		98
66) TOLUENE	12.967	92	4696538	66.34	PPBV		96
67) 1,3-DICHLOROPROPANE	13.016	76	3810935	60.45	PPBV	#	99
68) trans-1,3-DICHLOROPROPENE	12.416	75	4045609	64.37	PPBV		97
69) 1,1,2-TRICHLOROETHANE	12.618	83	2637082	60.91	PPBV		98
71) 2-HEXANONE	13.359	58	2840400	51.38	PPBV		93
72) ETHYL METHACRYLATE	13.395	69	4057750	54.22	PPBV		95
73) TETRACHLOROETHYLENE	14.472	164	3652923	51.05	PPBV		98
74) DIBROMOCHLOROMETHANE	13.518	129	6267031	54.46	PPBV		99
75) 1,2-DIBROMOETHANE	13.836	107	5059319	52.54	PPBV		100
76) OCTANE	14.337	43	4818681	49.96	PPBV		93
77) 1,1,1,2-TETRACHLOROETHANE	15.402	131	4326992	54.27	PPBV		98
78) CHLOROBENZENE	15.414	112	6799424	47.95	PPBV		97
79) ETHYLBENZENE	15.965	91	10258201	50.70	PPBV		95
80) m,p-XYLENE	16.246	106	8436000	111.35	PPBV		88
81) o-XYLENE	16.913	106	4070628	55.18	PPBV		92
82) STYRENE	16.760	104	6336380	60.46	PPBV		99
83) NONANE	17.323	43	4885695	48.38	PPBV		95
84) BROMOFORM	16.301	173	6736389	57.61	PPBV		98
86) 1,1,2,2-TETRACHLOROETHANE	16.913	83	6857413	45.32	PPBV		98
87) 1,2,3-TRICHLOROPROPANE	17.109	75	4752860	43.44	PPBV		95
88) ISOPROPYLBENZENE	17.824	105	11140531	48.25	PPBV		96
89) BROMOBENZENE	17.916	77	5858269	44.66	PPBV		92
90) 2-CHLOROTOLUENE	18.552	126	3066170	53.80	PPBV		99
91) n-PROPYLBENZENE	18.644	120	3235225	56.20	PPBV		100
92) 4-ETHYLTOLUENE	18.889	105	11113673	52.46	PPBV		94
93) 1,3,5-TRIMETHYLBENZENE	19.024	105	9540125	52.72	PPBV		95
94) ALPHA-METHYLSTYRENE	19.262	118	5169037	56.23	PPBV		99
95) tert-BUTYLBENZENE	19.623	134	2268727	58.03	PPBV	#	82
96) 1,2,4-TRIMETHYLBENZENE	19.641	105	9871747	51.85	PPBV		93
97) m-DICHLOROBENZENE	19.831	146	7376020	49.22	PPBV		98
98) BENZYL CHLORIDE	19.825	91	9467573	50.66	PPBV		95
99) p-DICHLOROBENZENE	19.935	146	7163876	51.16	PPBV		97
100) sec-BUTYLBENZENE	20.027	134	2603292	55.55	PPBV	#	67
101) 1,2,3-TRIMETHYLBENZENE	20.247	105	9909252	51.34	PPBV	#	93
102) p-ISOPROPYLTOLUENE	20.272	134	3067541	55.77	PPBV	#	77
103) o-DICHLOROBENZENE	20.412	146	6729808	49.34	PPBV		98
104) n-BUTYLBENZENE	20.865	134	3076474	61.52	PPBV	#	67
105) HEXACHLOROETHANE	21.324	117	5060035	53.27	PPBV		91
106) HEXACHLOROBUTADIENE	23.367	225	7021325	55.35	PPBV		97
107) 1,2,4-TRICHLOROBENZENE	23.226	180	6957395	61.95	PPBV		99
110) TVHC as equiv Pentane	5.234	TIC	12050439	41.25	PPBV		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55469.D
Acq On : 9 Dec 2024 11:14 am
Operator : benk
Sample : ic2125-50
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 14:36:15 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 11:06:14 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55473.D
Acq On : 9 Dec 2024 1:55 pm
Operator : benk
Sample : icv2125-10
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 09 14:26:11 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.669	128	367475	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.835	114	1638649	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	15.347	82	911415	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.669	128	367475	10.00	PPBV	#	0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	17.592	95	1063310	10.42	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 104.20%				
Target Compounds							Qvalue
2) FREON 115	3.460	119	609290	12.11	PPBV		96
3) FREON 152A	3.546	65	260396	9.58	PPBV		100
4) CHLORODIFLUOROMETHANE	3.576	67	146420	10.39	PPBV		99
5) CHLOROTRIFLUOROETHENE	3.607	116	632936	9.95	PPBV		99
6) DICHLORODIFLUOROMETHANE	3.650	85	1344712	10.01	PPBV		100
7) PROPYLENE	3.601	41	286338	8.47	PPBV		98
8) 1-CHLORO-1,1-DIFLUOROE...	3.754	65	1363042	9.91	PPBV		99
9) FREON 114	3.839	85	1731966	10.51	PPBV		98
10) CHLOROMETHANE	3.772	52	156442	9.03	PPBV	#	84
11) VINYL CHLORIDE	3.931	62	572576	9.39	PPBV		100
12) 1,3-BUTADIENE	4.029	54	394416	9.64	PPBV		98
13) n-BUTANE	4.066	43	729754	9.30	PPBV		99
14) BROMOMETHANE	4.231	94	601870	9.37	PPBV		99
15) CHLOROETHANE	4.353	64	259712	9.32	PPBV		99
16) DICHLOROFLUOROMETHANE	4.421	67	1337017	9.71	PPBV		100
17) ACETONITRILE	4.616	41	408916	9.02	PPBV		99
18) ACROLEIN	4.714	56	206598	10.43	PPBV		100
19) FREON 123	4.733	83	1322073	9.54	PPBV		98
20) FREON 123A	4.775	117	716793	9.72	PPBV		95
21) TRICHLOROFLUOROMETHANE	4.941	101	1280625	10.32	PPBV		100
22) ISOPROPYL ALCOHOL	5.026	45	746766	9.50	PPBV		99
23) ACETONE	4.824	58	228297	7.70	PPBV		98
24) PENTANE	5.234	42	361550	9.26	PPBV		98
25) IODOMETHANE	5.418	142	1165392	11.26	PPBV		100
26) 1,1-DICHLOROETHYLENE	5.479	96	397014	10.32	PPBV		94
27) CARBON DISULFIDE	5.852	76	1188347	10.68	PPBV		100
28) ETHANOL	4.457	45	231689	8.04	PPBV		99
29) BROMOETHENE	4.616	106	574006	10.49	PPBV		100
30) ACRYLONITRILE	5.204	52	234694	7.62	PPBV		100
31) METHYLENE CHLORIDE	5.589	84	367561	9.54	PPBV		97
32) 3-CHLOROPROPENE	5.693	76	183296	10.31	PPBV		94
33) FREON 113	5.822	151	692675	10.83	PPBV		96
34) TRANS-1,2-DICHLOROETHY...	6.452	96	415687	10.23	PPBV		96
35) TERTIARY BUTYL ALCOHOL	5.546	59	838007	11.33	PPBV		98
36) METHYL TERTIARY BUTYL ...	6.709	73	1138293	10.93	PPBV		98
37) TETRAHYDROFURAN	8.244	72	182808	11.46	PPBV		94
38) HEXANE	7.706	57	580332	10.08	PPBV		98
39) VINYL ACETATE	6.806	86	76162	11.57	PPBV	#	78
40) 1,1-DICHLOROETHANE	6.647	63	737374	9.76	PPBV		99
41) METHYL ETHYL KETONE	7.057	72	183994	11.54	PPBV		93
42) cis-1,2-DICHLOROETHYLENE	7.498	96	438839	10.40	PPBV		97
43) DIISOPROPYL ETHER	7.718	59	182011	10.41	PPBV		94
44) ETHYL ACETATE	7.749	61	132720	11.29	PPBV	#	98
45) METHYL ACRYLATE	7.730	55	734957	10.50	PPBV		99
46) CHLOROFORM	7.810	83	994491	10.54	PPBV		100
47) 2,4-DIMETHYLPENTANE	8.666	57	665821	10.57	PPBV		99
48) 1,1,1-TRICHLOROETHANE	8.874	97	1027293	10.72	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55473.D
Acq On : 9 Dec 2024 1:55 pm
Operator : benk
Sample : icv2125-10
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 09 14:26:11 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
49) CARBON TETRACHLORIDE	9.566	117	1117143	11.04	PPBV		100
50) 1,2-DICHLOROETHANE	8.605	62	644626	10.51	PPBV		100
52) BENZENE	9.400	78	1241071	10.45	PPBV		99
53) CYCLOHEXANE	9.700	84	497434	11.15	PPBV		96
54) 2,3-DIMETHYLPENTANE	10.000	71	255937	10.63	PPBV		95
55) TRICHLOROETHYLENE	10.655	95	628915	10.04	PPBV		96
56) 1,2-DICHLOROPROPANE	10.361	63	480413	9.53	PPBV		98
57) DIBROMOMETHANE	10.336	174	607456	9.91	PPBV		96
58) ETHYL ACRYLATE	10.416	55	889260	11.18	PPBV		99
59) BROMODICHLOROMETHANE	10.606	83	1129142	10.33	PPBV		99
60) 2,2,4-TRIMETHYLPENTANE	10.685	57	1875164	10.40	PPBV		100
61) 1,4-DIOXANE	10.673	88	305770	11.05	PPBV	#	88
62) HEPTANE	11.034	43	644985	10.24	PPBV		98
63) METHYL METHACRYLATE	10.936	69	440067	11.15	PPBV		97
64) METHYL ISOBUTYL KETONE	11.792	58	365625	10.89	PPBV		96
65) cis-1,3-DICHLOROPROPENE	11.731	75	791718	10.34	PPBV		99
66) TOLUENE	12.961	92	897196	10.80	PPBV		99
67) 1,3-DICHLOROPROPANE	13.010	76	768595	10.52	PPBV	#	100
68) trans-1,3-DICHLOROPROPENE	12.410	75	763107	10.83	PPBV		100
69) 1,1,2-TRICHLOROETHANE	12.612	83	511400	10.19	PPBV		98
71) 2-HEXANONE	13.365	58	533643	12.41	PPBV		98
72) ETHYL METHACRYLATE	13.389	69	797333	12.67	PPBV		97
73) TETRACHLOROETHYLENE	14.466	164	678237	11.39	PPBV		99
74) DIBROMOCHLOROMETHANE	13.511	129	1221557	12.62	PPBV		100
75) 1,2-DIBROMOETHANE	13.823	107	968537	12.07	PPBV		100
76) OCTANE	14.331	43	928927	11.60	PPBV		96
77) 1,1,1,2-TETRACHLOROETHANE	15.390	131	789303	11.81	PPBV		99
78) CHLOROBENZENE	15.408	112	1302463	11.10	PPBV		98
79) ETHYLBENZENE	15.959	91	2069237	12.31	PPBV		99
80) m,p-XYLENE	16.234	106	1576639	24.73	PPBV		98
81) o-XYLENE	16.901	106	773169	12.49	PPBV		97
82) STYRENE	16.754	104	1182327	13.32	PPBV		99
83) NONANE	17.311	43	964575	11.55	PPBV		97
84) BROMOFORM	16.289	173	1229686	12.42	PPBV		100
86) 1,1,2,2-TETRACHLOROETHANE	16.907	83	1398226	11.24	PPBV		99
87) 1,2,3-TRICHLOROPROPANE	17.096	75	977028	10.88	PPBV		98
88) ISOPROPYLBENZENE	17.812	105	2272900	11.87	PPBV		99
89) BROMOBENZENE	17.910	77	1152759	10.66	PPBV		95
90) 2-CHLOROTOLUENE	18.546	126	580224	12.09	PPBV		100
91) n-PROPYLBENZENE	18.638	120	614508	12.66	PPBV		99
92) 4-ETHYLTOLUENE	18.877	105	2276515	12.88	PPBV		99
93) 1,3,5-TRIMETHYLBENZENE	19.011	105	1926471	12.75	PPBV		99
94) ALPHA-METHYLSTYRENE	19.256	118	964352	11.83	PPBV		99
95) tert-BUTYLBENZENE	19.611	134	426733	12.94	PPBV		97
96) 1,2,4-TRIMETHYLBENZENE	19.629	105	2101835	13.26	PPBV		98
97) m-DICHLOROBENZENE	19.819	146	1483124	11.88	PPBV		100
98) BENZYL CHLORIDE	19.813	91	2086019	12.26	PPBV		99
99) p-DICHLOROBENZENE	19.923	146	1425940	12.24	PPBV		99
100) sec-BUTYLBENZENE	20.021	134	510021	12.96	PPBV		95
101) 1,2,3-TRIMETHYLBENZENE	20.235	105	2045983	12.71	PPBV	#	98
102) p-ISOPROPYLTOLUENE	20.259	134	605096	13.08	PPBV		97
103) o-DICHLOROBENZENE	20.406	146	1345461	11.88	PPBV		99
104) n-BUTYLBENZENE	20.853	134	568438	13.36	PPBV		92
105) HEXACHLOROETHANE	21.318	117	980805	12.37	PPBV		98
106) HEXACHLOROBUTADIENE	23.367	225	1360841	12.77	PPBV		100
107) 1,2,4-TRICHLOROBENZENE	23.220	180	1285426	12.74	PPBV		100
108) NAPHTHALENE	22.884	128	3116488	14.07	PPBV		100
110) TVHC as equiv Pentane	5.228	TIC	2415970	8.40	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55473.D
Acq On : 9 Dec 2024 1:55 pm
Operator : benk
Sample : icv2125-10
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 09 14:26:11 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

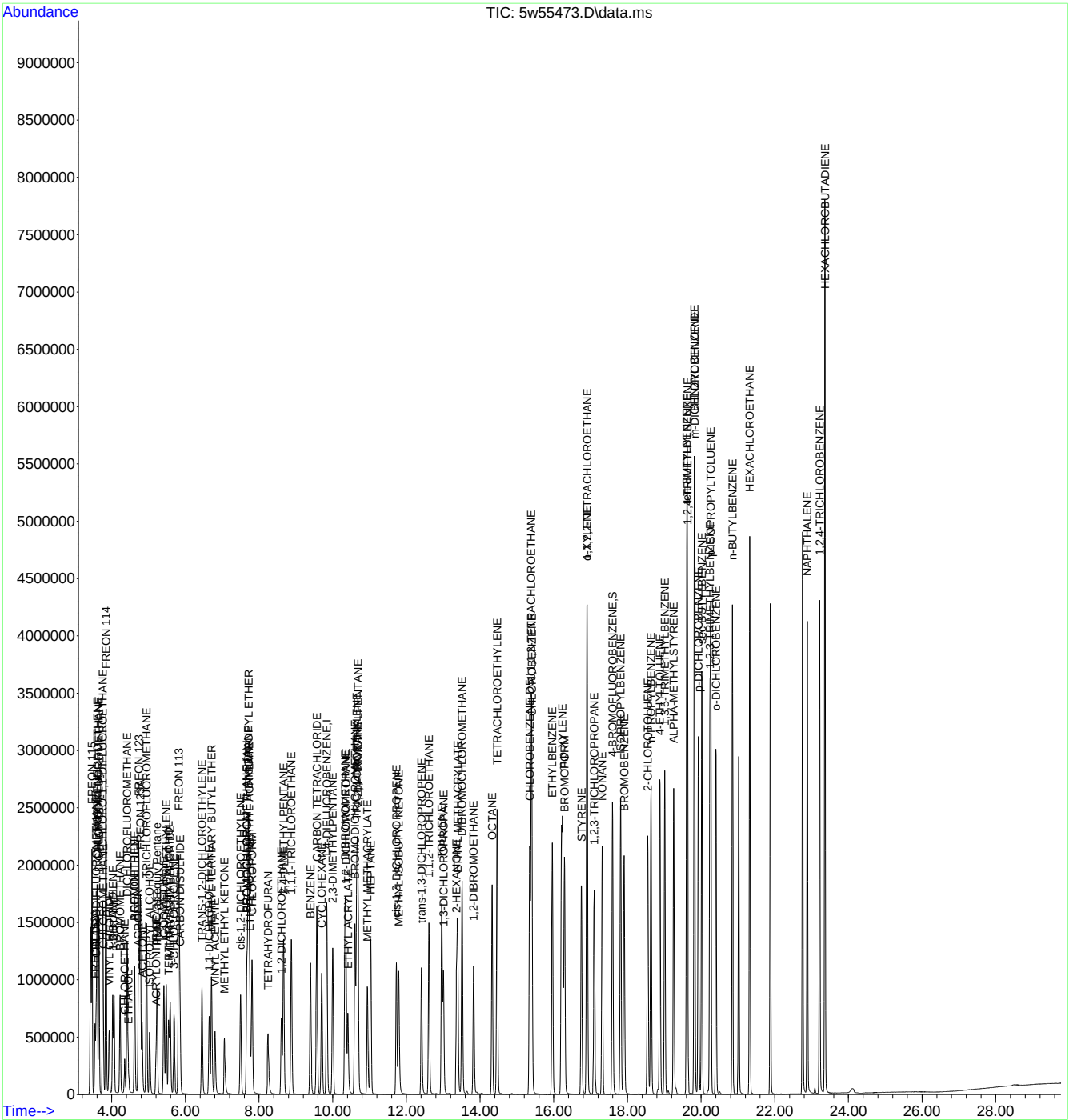
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55473.D
Acq On : 9 Dec 2024 1:55 pm
Operator : benk
Sample : icv2125-10
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 09 14:26:11 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55664.D
Acq On : 16 Dec 2024 1:21 pm
Operator : thomash
Sample : cc2125-10
Misc : MS87926,V5W2132,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 16 14:26:40 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.669	128	322460	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.835	114	1489170	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	15.347	82	993103	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.669	128	322460	10.00	PPBV	#	0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	17.592	95	1099191	9.89	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 98.90%				
Target Compounds							Qvalue
2) FREON 115	3.466	119	520709	11.80	PPBV		84
3) FREON 152A	3.546	65	276973	11.61	PPBV		97
4) CHLORODIFLUOROMETHANE	3.582	67	166597	13.47	PPBV		99
5) CHLOROTRIFLUOROETHENE	3.607	116	519061	9.30	PPBV		95
6) DICHLORODIFLUOROMETHANE	3.656	85	1412200	11.98	PPBV		100
7) PROPYLENE	3.601	41	331455	11.17	PPBV		99
8) 1-CHLORO-1,1-DIFLUOROE...	3.760	65	1429777	11.85	PPBV		97
9) FREON 114	3.845	85	1669845	11.55	PPBV		90
10) CHLOROMETHANE	3.778	52	132197	8.70	PPBV	#	70
11) VINYL CHLORIDE	3.931	62	541891	10.13	PPBV		99
12) 1,3-BUTADIENE	4.029	54	340350	9.48	PPBV		89
13) n-BUTANE	4.066	43	660477	9.59	PPBV		99
14) BROMOMETHANE	4.231	94	552406	9.80	PPBV		99
15) CHLOROETHANE	4.359	64	254726	10.42	PPBV		98
16) DICHLOROFLUOROMETHANE	4.420	67	1370890	11.34	PPBV		100
17) ACETONITRILE	4.622	41	366554	9.21	PPBV		99
18) ACROLEIN	4.714	56	177177	10.20	PPBV		95
19) FREON 123	4.738	83	1330586	10.94	PPBV		99
20) FREON 123A	4.781	117	663515	10.26	PPBV	#	75
21) TRICHLOROFLUOROMETHANE	4.946	101	1264654	11.61	PPBV		100
22) ISOPROPYL ALCOHOL	5.026	45	764649	11.08	PPBV		99
23) ACETONE	4.824	58	207162	7.97	PPBV		97
24) PENTANE	5.234	42	402201	11.73	PPBV		95
25) IODOMETHANE	5.418	142	1106736	12.18	PPBV		98
26) 1,1-DICHLOROETHYLENE	5.485	96	391141	11.59	PPBV		90
27) CARBON DISULFIDE	5.852	76	1221854	12.51	PPBV		97
28) ETHANOL	4.457	45	222031	8.78	PPBV		99
29) BROMOETHENE	4.622	106	489275	10.19	PPBV		96
30) ACRYLONITRILE	5.203	52	234269	8.67	PPBV		96
31) METHYLENE CHLORIDE	5.589	84	372067	11.00	PPBV		99
32) 3-CHLOROPROPENE	5.693	76	196624	12.61	PPBV		95
33) FREON 113	5.821	151	681434	12.14	PPBV		93
34) TRANS-1,2-DICHLOROETHY...	6.451	96	409739	11.49	PPBV		94
35) TERTIARY BUTYL ALCOHOL	5.546	59	798191	12.30	PPBV		98
36) METHYL TERTIARY BUTYL ...	6.708	73	1250497	13.68	PPBV		98
37) TETRAHYDROFURAN	8.238	72	195613	13.98	PPBV		98
38) HEXANE	7.706	57	601481	11.90	PPBV		90
39) VINYL ACETATE	6.812	86	73138	12.66	PPBV		96
40) 1,1-DICHLOROETHANE	6.647	63	807908	12.19	PPBV		98
41) METHYL ETHYL KETONE	7.057	72	202355	14.47	PPBV		94
42) cis-1,2-DICHLOROETHYLENE	7.498	96	433612	11.72	PPBV		93
43) DIISOPROPYL ETHER	7.718	59	190127	12.39	PPBV		99
44) ETHYL ACETATE	7.748	61	143075	13.87	PPBV	#	100
45) METHYL ACRYLATE	7.730	55	741565	12.07	PPBV		99
46) CHLOROFORM	7.810	83	1042868	12.60	PPBV		99
47) 2,4-DIMETHYLPENTANE	8.660	57	694605	12.57	PPBV		99
48) 1,1,1-TRICHLOROETHANE	8.874	97	1051269	12.51	PPBV		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55664.D
Acq On : 16 Dec 2024 1:21 pm
Operator : thomash
Sample : cc2125-10
Misc : MS87926,V5W2132,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 16 14:26:40 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
49)	CARBON TETRACHLORIDE	9.565	117	1081408	12.17	PPBV		100
50)	1,2-DICHLOROETHANE	8.605	62	753341	13.99	PPBV		99
52)	BENZENE	9.400	78	1308603	12.12	PPBV		99
53)	CYCLOHEXANE	9.700	84	517052	12.75	PPBV		98
54)	2,3-DIMETHYLPENTANE	10.000	71	274961	12.56	PPBV		96
55)	TRICHLOROETHYLENE	10.648	95	636688	11.19	PPBV		90
56)	1,2-DICHLOROPROPANE	10.361	63	506310	11.05	PPBV		95
57)	DIBROMOMETHANE	10.330	174	686352	12.32	PPBV		89
58)	ETHYL ACRYLATE	10.410	55	914775	12.66	PPBV		100
59)	BROMODICHLOROMETHANE	10.605	83	1226956	12.35	PPBV		100
60)	2,2,4-TRIMETHYLPENTANE	10.685	57	1925505	11.75	PPBV		99
61)	1,4-DIOXANE	10.673	88	293029	11.66	PPBV	#	83
62)	HEPTANE	11.027	43	711739	12.43	PPBV		97
63)	METHYL METHACRYLATE	10.936	69	490546	13.67	PPBV		97
64)	METHYL ISOBUTYL KETONE	11.792	58	386935	12.69	PPBV		92
65)	cis-1,3-DICHLOROPROPENE	11.731	75	908094	13.05	PPBV		96
66)	TOLUENE	12.961	92	880714	11.67	PPBV		99
67)	1,3-DICHLOROPROPANE	13.003	76	812598	12.23	PPBV	#	100
68)	trans-1,3-DICHLOROPROPENE	12.404	75	831172	12.97	PPBV		97
69)	1,1,2-TRICHLOROETHANE	12.612	83	532844	11.68	PPBV		97
71)	2-HEXANONE	13.358	58	553694	11.82	PPBV		91
72)	ETHYL METHACRYLATE	13.389	69	847107	12.35	PPBV		98
73)	TETRACHLOROETHYLENE	14.466	164	706848	10.90	PPBV		84
74)	DIBROMOCHLOROMETHANE	13.511	129	1056659	10.02	PPBV		100
75)	1,2-DIBROMOETHANE	13.823	107	874382	10.00	PPBV		99
76)	OCTANE	14.325	43	1029699	11.80	PPBV		98
77)	1,1,1,2-TETRACHLOROETHANE	15.389	131	673268	9.24	PPBV		87
78)	CHLOROBENZENE	15.408	112	1148673	8.98	PPBV		90
79)	ETHYLBENZENE	15.958	91	2051697	11.21	PPBV		96
80)	m,p-XYLENE	16.234	106	1393837	20.06	PPBV		89
81)	o-XYLENE	16.900	106	688459	10.21	PPBV		88
82)	STYRENE	16.748	104	1065237	11.01	PPBV		95
83)	NONANE	17.310	43	1087899	11.95	PPBV		99
84)	BROMOFORM	16.289	173	1433058	13.28	PPBV		98
86)	1,1,2,2-TETRACHLOROETHANE	16.900	83	1447874	10.68	PPBV		99
87)	1,2,3-TRICHLOROPROPANE	17.096	75	1034242	10.57	PPBV		93
88)	ISOPROPYLBENZENE	17.812	105	2022994	9.69	PPBV		96
89)	BROMOBENZENE	17.904	77	1205557	10.23	PPBV		97
90)	2-CHLOROTOLUENE	18.546	126	474191	9.07	PPBV		99
91)	n-PROPYLBENZENE	18.632	120	510325	9.65	PPBV		99
92)	4-ETHYLTOLUENE	18.876	105	2078219	10.79	PPBV		97
93)	1,3,5-TRIMETHYLBENZENE	19.011	105	1720705	10.45	PPBV		96
94)	ALPHA-METHYLSTYRENE	19.256	118	805324	9.06	PPBV		98
95)	tert-BUTYLBENZENE	19.611	134	339182	9.44	PPBV		93
96)	1,2,4-TRIMETHYLBENZENE	19.623	105	1864732	10.80	PPBV		97
97)	m-DICHLOROBENZENE	19.812	146	1304743	9.60	PPBV		99
98)	BENZYL CHLORIDE	19.806	91	1945978	10.50	PPBV		95
99)	p-DICHLOROBENZENE	19.923	146	1268946	10.00	PPBV		99
100)	sec-BUTYLBENZENE	20.014	134	416552	9.72	PPBV	#	87
101)	1,2,3-TRIMETHYLBENZENE	20.235	105	1821683	10.39	PPBV	#	97
102)	p-ISOPROPYLTOLUENE	20.259	134	476322	9.45	PPBV		93
103)	o-DICHLOROBENZENE	20.400	146	1197143	9.70	PPBV		99
104)	n-BUTYLBENZENE	20.852	134	460517	9.93	PPBV	#	69
105)	HEXACHLOROETHANE	21.311	117	963853	11.15	PPBV	#	79
106)	HEXACHLOROBUTADIENE	23.251	225	1958096	16.86	PPBV		100
107)	1,2,4-TRICHLOROBENZENE	23.116	180	1359406	12.36	PPBV		95
108)	NAPHTHALENE	22.798	128	2303458	9.54	PPBV		100
110)	TVHC as equiv Pentane	5.234	TIC	2637301	10.45	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55664.D
Acq On : 16 Dec 2024 1:21 pm
Operator : thomash
Sample : cc2125-10
Misc : MS87926,V5W2132,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 16 14:26:40 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

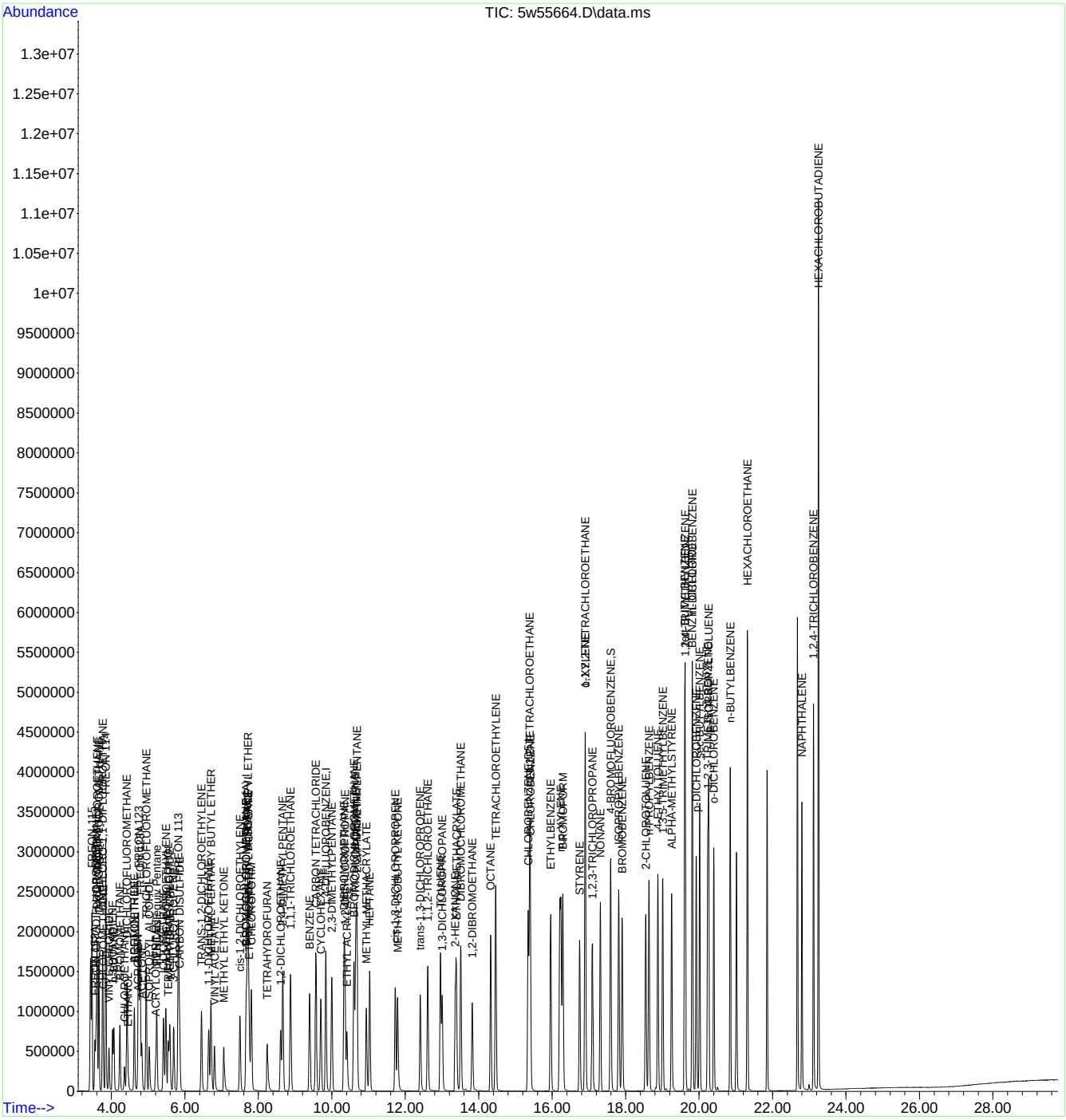
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55664.D
Acq On : 16 Dec 2024 1:21 pm
Operator : thomash
Sample : cc2125-10
Misc : MS87926,V5W2132,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 16 14:26:40 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55700.D
Acq On : 17 Dec 2024 8:32 pm
Operator : thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 18:32:56 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	7.669	128	283490	10.00	PPBV	# 0.00
51) 1,4-DIFLUOROBENZENE	9.835	114	1320983	10.00	PPBV	0.00
70) CHLOROBENZENE-D5	15.347	82	829640	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	7.669	128	283490	10.00	PPBV	# 0.00
System Monitoring Compounds						
85) 4-BROMOFLUOROBENZENE	17.592	95	938681	10.11	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 101.10%			
Target Compounds						Qvalue
2) FREON 115	3.466	119	490141	12.6307	PPBV	87
3) FREON 152A	3.546	65	248979	11.8708	PPBV	92
4) CHLORODIFLUOROMETHANE	3.576	67	139788	12.8535	PPBV	100
5) CHLOROTRIFLUOROETHENE	3.607	116	484866	9.8778	PPBV	97
6) DICHLORODIFLUOROMETHANE	3.656	85	1235881	11.9294	PPBV	99
7) PROPYLENE	3.601	41	318999	12.2258	PPBV	97
8) 1-CHLORO-1,1-DIFLUOROE...	3.753	65	1310116	12.3491	PPBV	97
9) FREON 114	3.839	85	1498369	11.7910	PPBV	94
10) CHLOROMETHANE	3.772	52	139843	10.4675	PPBV #	73
11) VINYL CHLORIDE	3.931	62	500361	10.6359	PPBV	98
12) 1,3-BUTADIENE	4.029	54	328558	10.4069	PPBV #	82
13) n-BUTANE	4.066	43	673554	11.1214	PPBV	98
14) BROMOMETHANE	4.231	94	503106	10.1489	PPBV	98
15) CHLOROETHANE	4.353	64	218128	10.1465	PPBV	96
16) DICHLOROFLUOROMETHANE	4.420	67	1182527	11.1281	PPBV	98
17) ACETONITRILE	4.616	41	381104	10.8940	PPBV	99
18) ACROLEIN	4.714	56	174216	11.4045	PPBV	99
19) FREON 123	4.732	83	1208215	11.2970	PPBV	99
20) FREON 123A	4.775	117	627646	11.0370	PPBV	86
21) TRICHLOROFLUOROMETHANE	4.940	101	1106838	11.5611	PPBV	99
22) ISOPROPYL ALCOHOL	5.026	45	701344	11.5619	PPBV	96
23) ACETONE	4.818	58	190094	8.3139	PPBV #	73
24) PENTANE	5.234	42	382516	12.6939	PPBV	97
25) IODOMETHANE	5.418	142	1048284	13.1253	PPBV	99
26) 1,1-DICHLOROETHYLENE	5.479	96	350278	11.8046	PPBV	91
27) CARBON DISULFIDE	5.852	76	1106323	12.8869	PPBV	96
28) ETHANOL	4.451	45	228093	10.2598	PPBV	99
29) BROMOETHENE	4.616	106	464023	10.9881	PPBV	96
30) ACRYLONITRILE	5.197	52	227386	9.5736	PPBV	98
31) METHYLENE CHLORIDE	5.589	84	336437	11.3149	PPBV	94
32) 3-CHLOROPROPENE	5.693	76	178242	13.0003	PPBV #	87
33) FREON 113	5.821	151	646266	13.0999	PPBV	91
34) TRANS-1,2-DICHLOROETHY...	6.451	96	362444	11.5588	PPBV	93
35) TERTIARY BUTYL ALCOHOL	5.540	59	711279	12.4651	PPBV	94
36) METHYL TERTIARY BUTYL ...	6.708	73	1081108	13.4514	PPBV	97
37) TETRAHYDROFURAN	8.238	72	173340	14.0890	PPBV	93
38) HEXANE	7.699	57	571589	12.8683	PPBV	89
39) VINYL ACETATE	6.806	86	62812	12.3718	PPBV #	69
40) 1,1-DICHLOROETHANE	6.647	63	730632	12.5370	PPBV	99
41) METHYL ETHYL KETONE	7.051	72	181023	14.7210	PPBV #	84
42) cis-1,2-DICHLOROETHYLENE	7.498	96	388757	11.9483	PPBV	93
43) DIISOPROPYL ETHER	7.718	59	173894	12.8880	PPBV #	83
44) ETHYL ACETATE	7.748	61	131535	14.5003	PPBV #	96
45) METHYL ACRYLATE	7.730	55	737514	13.6580	PPBV	98
46) CHLOROFORM	7.810	83	932936	12.8195	PPBV	98
47) 2,4-DIMETHYLPENTANE	8.660	57	643935	13.2559	PPBV	99
48) 1,1,1-TRICHLOROETHANE	8.874	97	932528	12.6198	PPBV	97

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55700.D
Acq On : 17 Dec 2024 8:32 pm
Operator : thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 18:32:56 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
49)	CARBON TETRACHLORIDE	9.565	117	977527	12.5168	PPBV		100
50)	1,2-DICHLOROETHANE	8.605	62	663626	14.0198	PPBV		98
52)	BENZENE	9.394	78	1170534	12.2253	PPBV		99
53)	CYCLOHEXANE	9.700	84	450644	12.5296	PPBV		97
54)	2,3-DIMETHYLPENTANE	10.000	71	244517	12.5920	PPBV		98
55)	TRICHLOROETHYLENE	10.648	95	563731	11.1681	PPBV		93
56)	1,2-DICHLOROPROPANE	10.355	63	455764	11.2146	PPBV		96
57)	DIBROMOMETHANE	10.330	174	640573	12.9639	PPBV		87
58)	ETHYL ACRYLATE	10.410	55	894070	13.9460	PPBV		99
59)	BROMODICHLOROMETHANE	10.599	83	1096175	12.4360	PPBV		100
60)	2,2,4-TRIMETHYLPENTANE	10.679	57	1810078	12.4491	PPBV		98
61)	1,4-DIOXANE	10.667	88	262414	11.7689	PPBV	#	87
62)	HEPTANE	11.027	43	692024	13.6267	PPBV		94
63)	METHYL METHACRYLATE	10.936	69	435827	13.6920	PPBV		92
64)	METHYL ISOBUTYL KETONE	11.786	58	353359	13.0593	PPBV	#	83
65)	cis-1,3-DICHLOROPROPENE	11.725	75	805461	13.0465	PPBV		93
66)	TOLUENE	12.961	92	771776	11.5242	PPBV		98
67)	1,3-DICHLOROPROPANE	13.003	76	721866	12.2521	PPBV	#	99
68)	trans-1,3-DICHLOROPROPENE	12.404	75	730655	12.8581	PPBV		94
69)	1,1,2-TRICHLOROETHANE	12.612	83	477290	11.7978	PPBV		96
71)	2-HEXANONE	13.358	58	505319	12.9114	PPBV		82
72)	ETHYL METHACRYLATE	13.389	69	748660	13.0646	PPBV		94
73)	TETRACHLOROETHYLENE	14.466	164	646497	11.9302	PPBV		84
74)	DIBROMOCHLOROMETHANE	13.505	129	957673	10.8685	PPBV		99
75)	1,2-DIBROMOETHANE	13.823	107	821840	11.2479	PPBV		100
76)	OCTANE	14.325	43	1000955	13.7360	PPBV		94
77)	1,1,1,2-TETRACHLOROETHANE	15.389	131	625512	10.2814	PPBV		90
78)	CHLOROBENZENE	15.402	112	1074618	10.0617	PPBV		93
79)	ETHYLBENZENE	15.958	91	1824972	11.9314	PPBV		97
80)	m,p-XYLENE	16.234	106	1282140	22.0915	PPBV		93
81)	o-XYLENE	16.900	106	643598	11.4241	PPBV		92
82)	STYRENE	16.747	104	987985	12.2269	PPBV		96
83)	NONANE	17.310	43	1057154	13.9014	PPBV		97
84)	BROMOFORM	16.289	173	1332200	14.7771	PPBV		99
86)	1,1,2,2-TETRACHLOROETHANE	16.900	83	1314867	11.6113	PPBV		99
87)	1,2,3-TRICHLOROPROPANE	17.096	75	931482	11.3923	PPBV		95
88)	ISOPROPYLBENZENE	17.812	105	1869433	10.7239	PPBV		96
89)	BROMOBENZENE	17.904	77	1084437	11.0142	PPBV		98
90)	2-CHLOROTOLUENE	18.546	126	452203	10.3535	PPBV		100
91)	n-PROPYLBENZENE	18.632	120	482605	10.9202	PPBV		99
92)	4-ETHYLTOLUENE	18.876	105	1913832	11.8952	PPBV		99
93)	1,3,5-TRIMETHYLBENZENE	19.011	105	1598724	11.6271	PPBV		98
94)	ALPHA-METHYLSTYRENE	19.250	118	753685	10.1544	PPBV		97
95)	tert-BUTYLBENZENE	19.611	134	323983	10.7921	PPBV		93
96)	1,2,4-TRIMETHYLBENZENE	19.623	105	1752820	12.1500	PPBV		98
97)	m-DICHLOROBENZENE	19.812	146	1265483	11.1404	PPBV		98
98)	BENZYL CHLORIDE	19.806	91	1786034	11.5343	PPBV		97
99)	p-DICHLOROBENZENE	19.923	146	1231073	11.6079	PPBV		98
100)	sec-BUTYLBENZENE	20.014	134	389937	10.8867	PPBV	#	88
101)	1,2,3-TRIMETHYLBENZENE	20.235	105	1704534	11.6335	PPBV	#	97
102)	p-ISOPROPYLTOLUENE	20.259	134	453456	10.7719	PPBV		94
103)	o-DICHLOROBENZENE	20.400	146	1154974	11.2005	PPBV		98
104)	n-BUTYLBENZENE	20.852	134	440098	11.3651	PPBV	#	77
105)	HEXACHLOROETHANE	21.317	117	908545	12.5865	PPBV	#	81
106)	HEXACHLOROBUTADIENE	23.361	225	1704722	17.5722	PPBV		99
107)	1,2,4-TRICHLOROBENZENE	23.214	180	1397381	15.2088	PPBV		96
108)	NAPHTHALENE	22.877	128	2277222	11.2912	PPBV		100
110)	TVHC as equiv Pentane	5.228	TIC	2517105	11.3419	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55700.D
Acq On : 17 Dec 2024 8:32 pm
Operator : thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 18:32:56 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

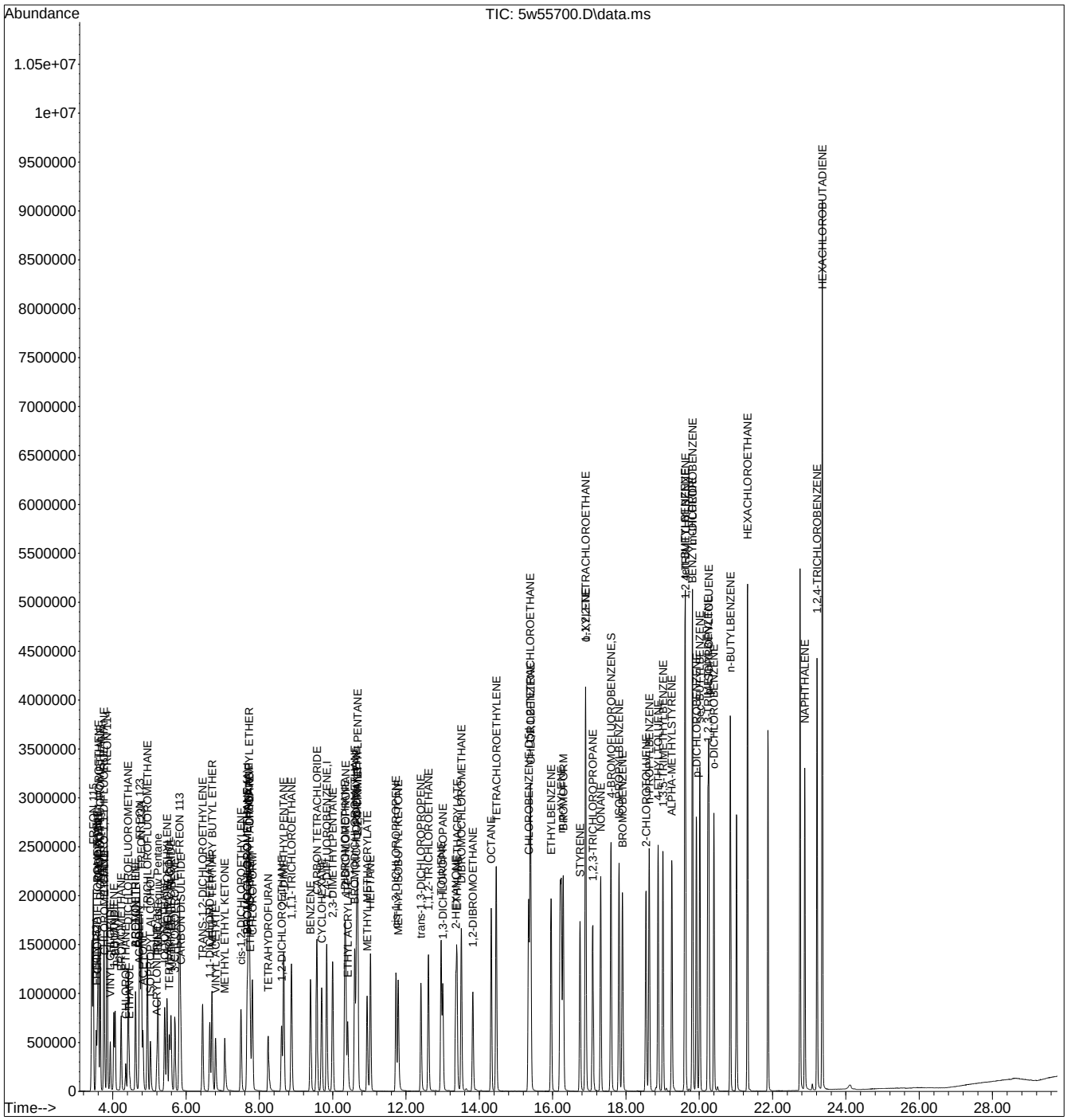
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55700.D
Acq On : 17 Dec 2024 8:32 pm
Operator : thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 18:32:56 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55778.D
Acq On : 20 Dec 2024 1:06 pm
Operator : thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2136,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 23 07:06:08 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	7.669	128	318888	10.00	PPBV	0.00
51) 1,4-DIFLUOROBENZENE	9.835	114	1469982	10.00	PPBV	0.00
70) CHLOROBENZENE-D5	15.341	82	896125	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	7.669	128	318888	10.00	PPBV	# 0.00
System Monitoring Compounds						
85) 4-BROMOFLUOROBENZENE	17.586	95	1008742	10.06	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 100.60%			
Target Compounds						Qvalue
2) FREON 115	3.466	119	624218	14.3002	PPBV	95
3) FREON 152A	3.546	65	317951	13.4765	PPBV	98
4) CHLORODIFLUOROMETHANE	3.576	67	161801	13.2261	PPBV	97
5) CHLOROTRIFLUOROETHENE	3.607	116	653547	11.8362	PPBV	99
6) DICHLORODIFLUOROMETHANE	3.656	85	1475918	12.6650	PPBV	100
7) PROPYLENE	3.601	41	381974	13.0143	PPBV	99
8) 1-CHLORO-1,1-DIFLUOROE...	3.754	65	1211334	10.1505	PPBV	99
9) FREON 114	3.845	85	1411506	9.8745	PPBV	96
10) CHLOROMETHANE	3.772	52	128319	8.5387	PPBV	88
11) VINYL CHLORIDE	3.931	62	458589	8.6659	PPBV	99
12) 1,3-BUTADIENE	4.029	54	298397	8.4024	PPBV	83
13) n-BUTANE	4.066	43	602522	8.8442	PPBV	98
14) BROMOMETHANE	4.231	94	477772	8.5680	PPBV	100
15) CHLOROETHANE	4.353	64	205540	8.4996	PPBV	97
16) DICHLOROFLUOROMETHANE	4.420	67	1085746	9.0832	PPBV	98
17) ACETONITRILE	4.622	41	339144	8.6184	PPBV	98
18) ACROLEIN	4.714	56	158132	9.2025	PPBV	99
19) FREON 123	4.732	83	1139561	9.4723	PPBV	99
20) FREON 123A	4.775	117	620886	9.7062	PPBV	97
21) TRICHLOROFLUOROMETHANE	4.947	101	1263194	11.7297	PPBV	99
22) ISOPROPYL ALCOHOL	5.026	45	803523	11.7760	PPBV	98
23) ACETONE	4.824	58	180153	7.0045	PPBV #	81
24) PENTANE	5.234	42	429102	12.6592	PPBV	99
25) IODOMETHANE	5.418	142	1191766	13.2654	PPBV	96
26) 1,1-DICHLOROETHYLENE	5.479	96	398323	11.9336	PPBV	97
27) CARBON DISULFIDE	5.852	76	1235064	12.7895	PPBV	99
28) ETHANOL	4.457	45	207634	8.3028	PPBV	99
29) BROMOETHENE	4.622	106	460244	9.6888	PPBV	97
30) ACRYLONITRILE	5.204	52	256089	9.5852	PPBV	99
31) METHYLENE CHLORIDE	5.589	84	375160	11.2167	PPBV	99
32) 3-CHLOROPROPENE	5.693	76	201866	13.0889	PPBV	96
33) FREON 113	5.821	151	732704	13.2034	PPBV	90
34) TRANS-1,2-DICHLOROETHY...	6.452	96	419403	11.8906	PPBV	98
35) TERTIARY BUTYL ALCOHOL	5.546	59	775362	12.0798	PPBV	97
36) METHYL TERTIARY BUTYL ...	6.708	73	1228936	13.5933	PPBV	98
37) TETRAHYDROFURAN	8.238	72	197620	14.2794	PPBV	98
38) HEXANE	7.700	57	627757	12.5641	PPBV	94
39) VINYL ACETATE	6.806	86	75731	13.2606	PPBV #	93
40) 1,1-DICHLOROETHANE	6.647	63	811475	12.3786	PPBV	98
41) METHYL ETHYL KETONE	7.057	72	202233	14.6202	PPBV #	87
42) cis-1,2-DICHLOROETHYLENE	7.498	96	442713	12.0962	PPBV	96
43) DIISOPROPYL ETHER	7.712	59	190748	12.5678	PPBV #	88
44) ETHYL ACETATE	7.748	61	145181	14.2280	PPBV #	38
45) METHYL ACRYLATE	7.730	55	800096	13.1722	PPBV	99
46) CHLOROFORM	7.810	83	1039127	12.6937	PPBV	100
47) 2,4-DIMETHYLPENTANE	8.660	57	723012	13.2316	PPBV	99
48) 1,1,1-TRICHLOROETHANE	8.874	97	1035484	12.4576	PPBV	98

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55778.D
Acq On : 20 Dec 2024 1:06 pm
Operator : thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2136,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 23 07:06:08 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
49)	CARBON TETRACHLORIDE	9.565	117	1102538	12.5504	PPBV		100
50)	1,2-DICHLOROETHANE	8.605	62	708904	13.3139	PPBV		99
52)	BENZENE	9.394	78	1342299	12.5982	PPBV		100
53)	CYCLOHEXANE	9.694	84	516137	12.8959	PPBV		99
54)	2,3-DIMETHYLPENTANE	10.000	71	282810	13.0878	PPBV		96
55)	TRICHLOROETHYLENE	10.648	95	633242	11.2736	PPBV		95
56)	1,2-DICHLOROPROPANE	10.361	63	510553	11.2893	PPBV		97
57)	DIBROMOMETHANE	10.330	174	755528	13.7405	PPBV		81
58)	ETHYL ACRYLATE	10.410	55	981600	13.7593	PPBV		99
59)	BROMODICHLOROMETHANE	10.599	83	1206214	12.2973	PPBV		100
60)	2,2,4-TRIMETHYLPENTANE	10.679	57	1990028	12.2995	PPBV		98
61)	1,4-DIOXANE	10.667	88	299962	12.0893	PPBV	#	81
62)	HEPTANE	11.028	43	752488	13.3154	PPBV		96
63)	METHYL METHACRYLATE	10.936	69	481560	13.5953	PPBV		97
64)	METHYL ISOBUTYL KETONE	11.786	58	388890	12.9157	PPBV		87
65)	cis-1,3-DICHLOROPROPENE	11.725	75	908137	13.2187	PPBV		97
66)	TOLUENE	12.961	92	887710	11.9118	PPBV		99
67)	1,3-DICHLOROPROPANE	13.004	76	820517	12.5149	PPBV	#	99
68)	trans-1,3-DICHLOROPROPENE	12.404	75	828355	13.0998	PPBV		98
69)	1,1,2-TRICHLOROETHANE	12.612	83	537644	11.9426	PPBV		97
71)	2-HEXANONE	13.358	58	560900	13.2683	PPBV		87
72)	ETHYL METHACRYLATE	13.389	69	835523	13.4987	PPBV		97
73)	TETRACHLOROETHYLENE	14.466	164	747063	12.7632	PPBV		84
74)	DIBROMOCHLOROMETHANE	13.505	129	1097540	11.5317	PPBV		99
75)	1,2-DIBROMOETHANE	13.823	107	940751	11.9201	PPBV		100
76)	OCTANE	14.325	43	1084120	13.7735	PPBV		95
77)	1,1,1,2-TETRACHLOROETHANE	15.383	131	720856	10.9694	PPBV		94
78)	CHLOROBENZENE	15.402	112	1232114	10.6804	PPBV		95
79)	ETHYLBENZENE	15.958	91	2076562	12.5690	PPBV		98
80)	m,p-XYLENE	16.228	106	1471828	23.4783	PPBV		95
81)	o-XYLENE	16.901	106	720486	11.8401	PPBV		95
82)	STYRENE	16.748	104	1142420	13.0892	PPBV		97
83)	NONANE	17.310	43	1130936	13.7682	PPBV		99
84)	BROMOFORM	16.289	173	1519883	15.6082	PPBV		99
86)	1,1,2,2-TETRACHLOROETHANE	16.901	83	1428324	11.6774	PPBV		99
87)	1,2,3-TRICHLOROPROPANE	17.090	75	1030429	11.6674	PPBV		96
88)	ISOPROPYLBENZENE	17.812	105	2152989	11.4342	PPBV		98
89)	BROMOBENZENE	17.904	77	1211657	11.3933	PPBV		93
90)	2-CHLOROTOLUENE	18.546	126	534316	11.3259	PPBV		99
91)	n-PROPYLBENZENE	18.632	120	567338	11.8851	PPBV		99
92)	4-ETHYLTOLUENE	18.877	105	2199724	12.6578	PPBV		99
93)	1,3,5-TRIMETHYLBENZENE	19.005	105	1831439	12.3314	PPBV		99
94)	ALPHA-METHYLSTYRENE	19.256	118	879694	10.9728	PPBV		97
95)	tert-BUTYLBENZENE	19.611	134	380904	11.7468	PPBV		99
96)	1,2,4-TRIMETHYLBENZENE	19.623	105	1961577	12.5882	PPBV		100
97)	m-DICHLOROBENZENE	19.813	146	1422500	11.5936	PPBV		96
98)	BENZYL CHLORIDE	19.806	91	1933734	11.5617	PPBV		98
99)	p-DICHLOROBENZENE	19.923	146	1409874	12.3075	PPBV		96
100)	sec-BUTYLBENZENE	20.014	134	455920	11.7845	PPBV		94
101)	1,2,3-TRIMETHYLBENZENE	20.235	105	1931074	12.2018	PPBV	#	99
102)	p-ISOPROPYLTOLUENE	20.259	134	529338	11.6416	PPBV		98
103)	o-DICHLOROBENZENE	20.400	146	1318774	11.8402	PPBV		96
104)	n-BUTYLBENZENE	20.853	134	525567	12.5653	PPBV		91
105)	HEXACHLOROETHANE	21.311	117	1006137	12.9044	PPBV	#	78
106)	HEXACHLOROBUTADIENE	23.251	225	2010215	19.1838	PPBV		99
107)	1,2,4-TRICHLOROBENZENE	23.116	180	1700363	17.1334	PPBV		95
108)	NAPHTHALENE	22.798	128	2718914	12.4811	PPBV		100
110)	TVHC as equiv Pentane	5.234	TIC	2774316	11.1132	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55778.D
Acq On : 20 Dec 2024 1:06 pm
Operator : thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2136,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 23 07:06:08 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

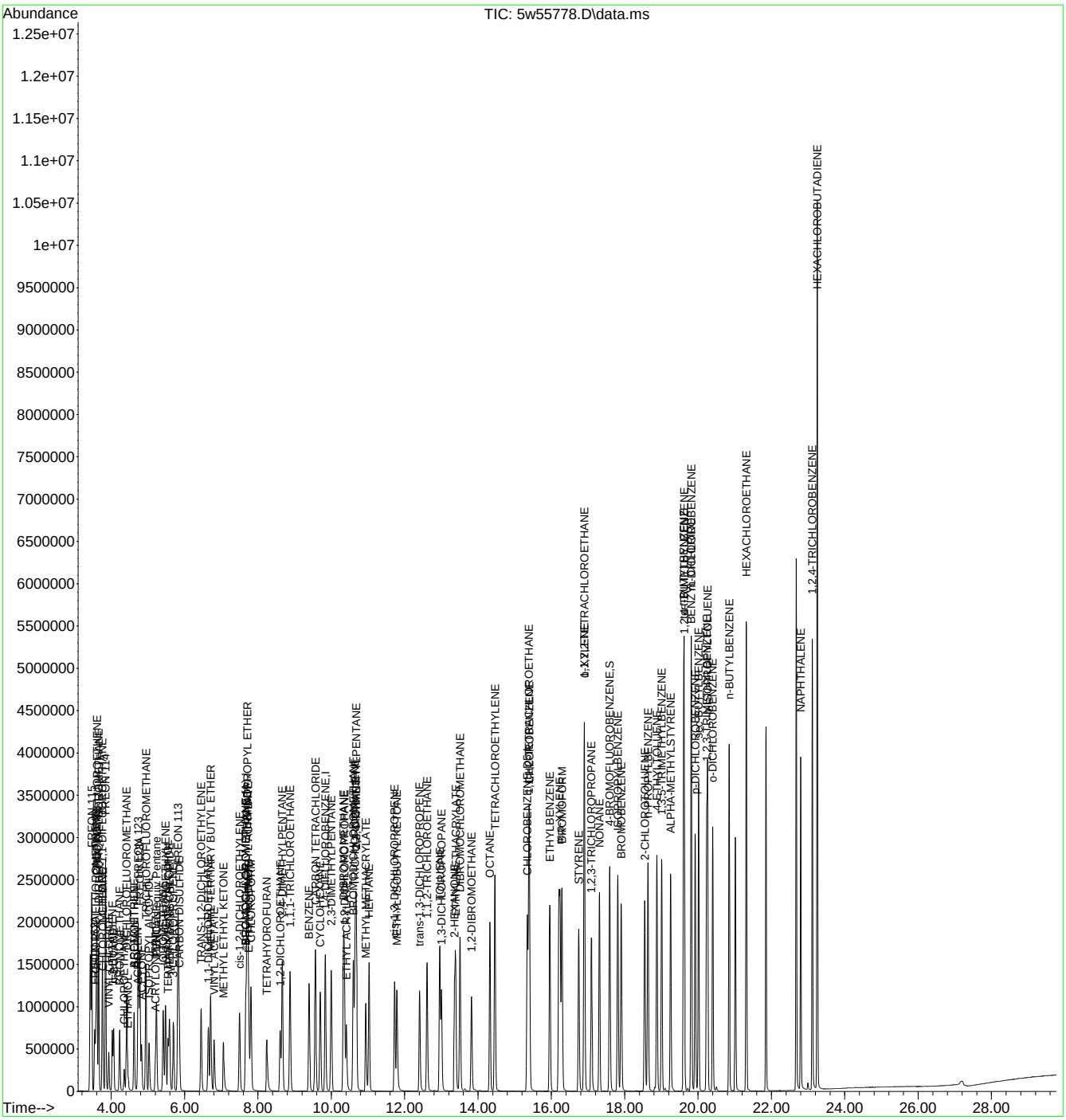
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55778.D
Acq On : 20 Dec 2024 1:06 pm
Operator : thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2136,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 23 07:06:08 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55819.D
Acq On : 23 Dec 2024 9:11 am
Operator : thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 24 04:40:07 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.669	128	263070	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.829	114	1217301	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	15.341	82	738303	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.669	128	263070	10.00	PPBV	#	0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	17.586	95	828145	10.02	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 100.20%				
Target Compounds							Qvalue
2) FREON 115	3.466	119	443684	12.3210	PPBV		93
3) FREON 152A	3.546	65	212489	10.9174	PPBV		97
4) CHLORODIFLUOROMETHANE	3.576	67	118141	11.7063	PPBV		98
5) CHLOROTRIFLUOROETHENE	3.607	116	455636	10.0028	PPBV		98
6) DICHLORODIFLUOROMETHANE	3.656	85	1073218	11.1634	PPBV		99
7) PROPYLENE	3.601	41	257735	10.6445	PPBV		98
8) 1-CHLORO-1,1-DIFLUOROE...	3.754	65	1120022	11.3767	PPBV		99
9) FREON 114	3.839	85	1412169	11.9753	PPBV		96
10) CHLOROMETHANE	3.772	52	124915	10.0759	PPBV	#	78
11) VINYL CHLORIDE	3.931	62	476330	10.9110	PPBV		98
12) 1,3-BUTADIENE	4.029	54	312743	10.6749	PPBV		90
13) n-BUTANE	4.066	43	620169	11.0348	PPBV		98
14) BROMOMETHANE	4.231	94	475235	10.3309	PPBV		99
15) CHLOROETHANE	4.353	64	209737	10.5135	PPBV		99
16) DICHLOROFLUOROMETHANE	4.421	67	1073511	10.8864	PPBV		99
17) ACETONITRILE	4.616	41	340326	10.4835	PPBV		99
18) ACROLEIN	4.714	56	158371	11.1720	PPBV		99
19) FREON 123	4.733	83	1097141	11.0548	PPBV		99
20) FREON 123A	4.775	117	579782	10.9867	PPBV		90
21) TRICHLOROFLUOROMETHANE	4.941	101	992534	11.1719	PPBV		100
22) ISOPROPYL ALCOHOL	5.020	45	589792	10.4777	PPBV		98
23) ACETONE	4.818	58	174326	8.2161	PPBV		90
24) PENTANE	5.228	42	306426	10.9582	PPBV		97
25) IODOMETHANE	5.412	142	939913	12.6819	PPBV		94
26) 1,1-DICHLOROETHYLENE	5.479	96	296637	10.7728	PPBV		100
27) CARBON DISULFIDE	5.846	76	905072	11.3609	PPBV		98
28) ETHANOL	4.451	45	218980	10.6145	PPBV		99
29) BROMOETHENE	4.616	106	433197	11.0544	PPBV		98
30) ACRYLONITRILE	5.198	52	185208	8.4030	PPBV		100
31) METHYLENE CHLORIDE	5.589	84	279330	10.1235	PPBV		99
32) 3-CHLOROPROPENE	5.693	76	147321	11.5790	PPBV		96
33) FREON 113	5.815	151	589276	12.8719	PPBV		83
34) TRANS-1,2-DICHLOROETHY...	6.446	96	307408	10.5646	PPBV		99
35) TERTIARY BUTYL ALCOHOL	5.540	59	581566	10.9830	PPBV		97
36) METHYL TERTIARY BUTYL ...	6.702	73	919622	12.3303	PPBV		98
37) TETRAHYDROFURAN	8.232	72	148350	12.9937	PPBV		99
38) HEXANE	7.700	57	459701	11.1527	PPBV		90
39) VINYL ACETATE	6.800	86	56579	12.0092	PPBV		99
40) 1,1-DICHLOROETHANE	6.641	63	598323	11.0636	PPBV		99
41) METHYL ETHYL KETONE	7.051	72	153607	13.4611	PPBV		93
42) cis-1,2-DICHLOROETHYLENE	7.492	96	329132	10.9009	PPBV		98
43) DIISOPROPYL ETHER	7.712	59	144614	11.5498	PPBV		97
44) ETHYL ACETATE	7.742	61	103860	12.3381	PPBV	#	98
45) METHYL ACRYLATE	7.730	55	588812	11.7506	PPBV		100
46) CHLOROFORM	7.804	83	773655	11.4560	PPBV		99
47) 2,4-DIMETHYLPENTANE	8.660	57	526334	11.6760	PPBV		99
48) 1,1,1-TRICHLOROETHANE	8.868	97	772811	11.2702	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55819.D
Acq On : 23 Dec 2024 9:11 am
Operator : thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 24 04:40:07 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
49)	CARBON TETRACHLORIDE	9.559	117	830049	11.4534	PPBV		100
50)	1,2-DICHLOROETHANE	8.599	62	534819	12.1757	PPBV		98
52)	BENZENE	9.394	78	1003717	11.3759	PPBV		99
53)	CYCLOHEXANE	9.694	84	396422	11.9608	PPBV		97
54)	2,3-DIMETHYLPENTANE	9.994	71	212277	11.8628	PPBV		91
55)	TRICHLOROETHYLENE	10.642	95	483189	10.3878	PPBV		96
56)	1,2-DICHLOROPROPANE	10.355	63	382961	10.2258	PPBV		97
57)	DIBROMOMETHANE	10.330	174	614707	13.5000	PPBV		78
58)	ETHYL ACRYLATE	10.404	55	721337	12.2100	PPBV		99
59)	BROMODICHLOROMETHANE	10.599	83	909013	11.1910	PPBV		100
60)	2,2,4-TRIMETHYLPENTANE	10.679	57	1465609	10.9385	PPBV		98
61)	1,4-DIOXANE	10.661	88	227029	11.0492	PPBV	#	69
62)	HEPTANE	11.022	43	560388	11.9745	PPBV		97
63)	METHYL METHACRYLATE	10.930	69	372004	12.6823	PPBV		98
64)	METHYL ISOBUTYL KETONE	11.780	58	297634	11.9368	PPBV		91
65)	cis-1,3-DICHLOROPROPENE	11.725	75	688807	12.1073	PPBV		95
66)	TOLUENE	12.955	92	690703	11.1921	PPBV		99
67)	1,3-DICHLOROPROPANE	12.998	76	615745	11.3411	PPBV	#	100
68)	trans-1,3-DICHLOROPROPENE	12.398	75	622635	11.8904	PPBV		96
69)	1,1,2-TRICHLOROETHANE	12.606	83	405394	10.8742	PPBV		97
71)	2-HEXANONE	13.352	58	429888	12.3429	PPBV		90
72)	ETHYL METHACRYLATE	13.383	69	646680	12.6811	PPBV		98
73)	TETRACHLOROETHYLENE	14.460	164	628528	13.0335	PPBV		80
74)	DIBROMOCHLOROMETHANE	13.505	129	865933	11.0431	PPBV		100
75)	1,2-DIBROMOETHANE	13.817	107	716152	11.0140	PPBV		99
76)	OCTANE	14.325	43	821392	12.6663	PPBV		96
77)	1,1,1,2-TETRACHLOROETHANE	15.384	131	554115	10.2346	PPBV		95
78)	CHLOROBENZENE	15.402	112	950698	10.0026	PPBV		96
79)	ETHYLBENZENE	15.952	91	1588334	11.6689	PPBV		98
80)	m,p-XYLENE	16.209	106	1164310	22.5430	PPBV		98
81)	o-XYLENE	16.895	106	571423	11.3978	PPBV		98
82)	STYRENE	16.748	104	888220	12.3521	PPBV		98
83)	NONANE	17.304	43	857369	12.6690	PPBV		100
84)	BROMOFORM	16.283	173	1248720	15.5647	PPBV		98
86)	1,1,2,2-TETRACHLOROETHANE	16.901	83	1093404	10.8501	PPBV		100
87)	1,2,3-TRICHLOROPROPANE	17.090	75	770661	10.5914	PPBV		96
88)	ISOPROPYLBENZENE	17.806	105	1668204	10.7534	PPBV		98
89)	BROMOBENZENE	17.904	77	920121	10.5015	PPBV		88
90)	2-CHLOROTOLUENE	18.540	126	405141	10.4235	PPBV		100
91)	n-PROPYLBENZENE	18.632	120	441199	11.2183	PPBV		99
92)	4-ETHYLTOLUENE	18.877	105	1704719	11.9063	PPBV		99
93)	1,3,5-TRIMETHYLBENZENE	19.005	105	1434926	11.7269	PPBV		99
94)	ALPHA-METHYLSTYRENE	19.250	118	695654	10.5321	PPBV		98
95)	tert-BUTYLBENZENE	19.611	134	311530	11.6610	PPBV		96
96)	1,2,4-TRIMETHYLBENZENE	19.623	105	1567244	12.2076	PPBV		99
97)	m-DICHLOROBENZENE	19.813	146	1161828	11.4932	PPBV		96
98)	BENZYL CHLORIDE	19.807	91	1522621	11.0497	PPBV		98
99)	p-DICHLOROBENZENE	19.917	146	1135811	12.0346	PPBV		95
100)	sec-BUTYLBENZENE	20.015	134	373153	11.7069	PPBV		100
101)	1,2,3-TRIMETHYLBENZENE	20.235	105	1526328	11.7060	PPBV	#	99
102)	p-ISOPROPYLTOLUENE	20.259	134	432797	11.5531	PPBV		97
103)	o-DICHLOROBENZENE	20.400	146	1063562	11.5900	PPBV		96
104)	n-BUTYLBENZENE	20.847	134	424199	12.3098	PPBV		95
105)	HEXACHLOROETHANE	21.312	117	800997	12.4694	PPBV	#	75
106)	HEXACHLOROBUTADIENE	23.251	225	1750424	20.2754	PPBV		99
107)	1,2,4-TRICHLOROBENZENE	23.116	180	1448982	17.7214	PPBV		96
108)	NAPHTHALENE	22.798	128	2170339	12.0926	PPBV		100
110)	TVHC as equiv Pentane	5.228	TIC	2047811	9.9435	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55819.D
Acq On : 23 Dec 2024 9:11 am
Operator : thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 24 04:40:07 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

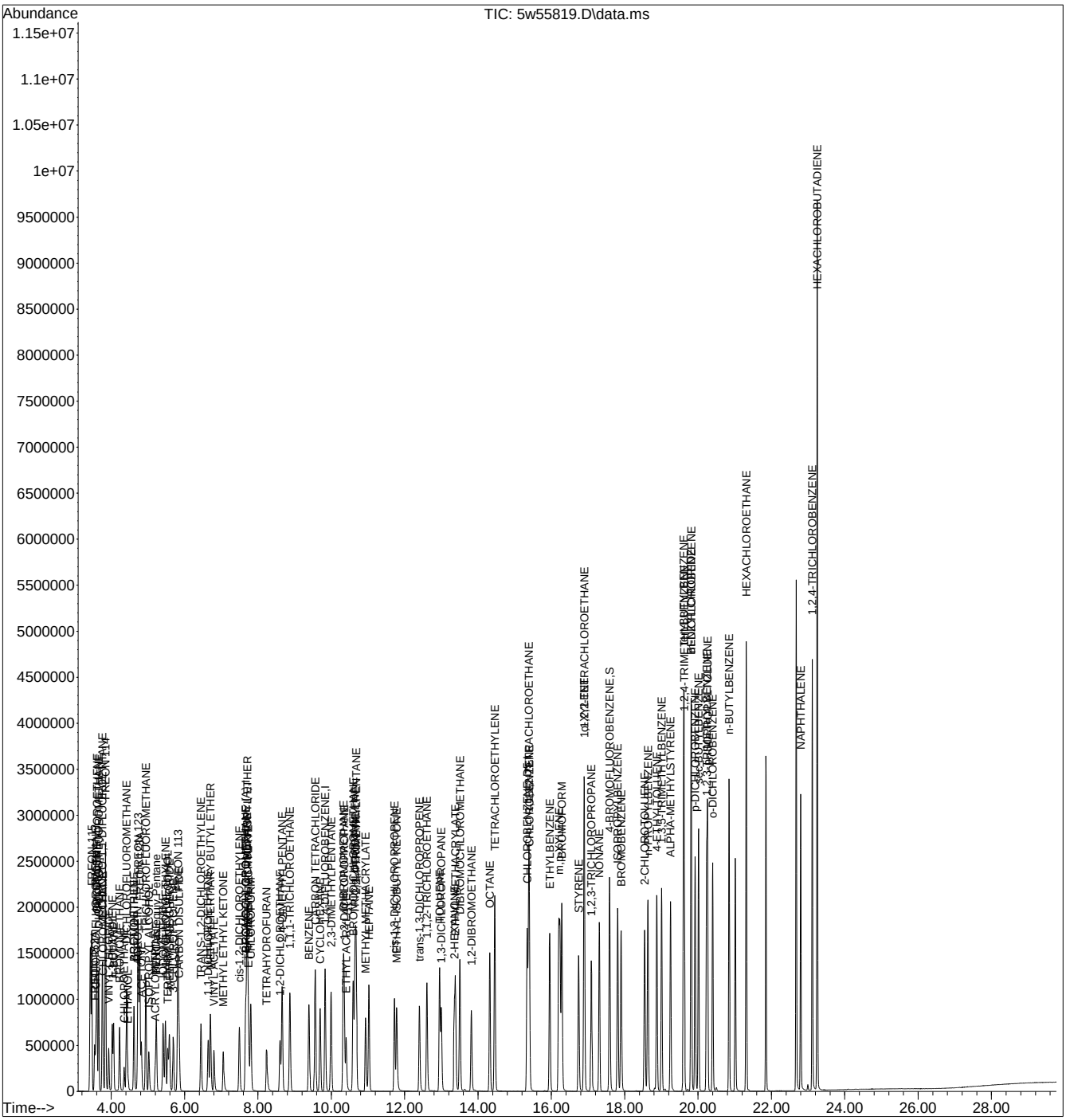
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55819.D
Acq On : 23 Dec 2024 9:11 am
Operator : thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 24 04:40:07 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 08/19/24 10:53

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 09:49:15 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.267	128	86358	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.547	114	435174	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.119	117	379594	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.267	128	86358	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.479	95	275352	9.89	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.618	119	521	0.05	PPBV		95
3) FREON 152A	1.650	65	283	0.05	PPBV		98
4) CHLORODIFLUOROMETHANE	1.659	67	125	0.04	PPBV	#	38
5) CHLOROTRIFLUOROETHENE	1.676	116	644	0.05	PPBV		79
6) DICHLORODIFLUOROMETHANE	1.688	85	1424	0.04	PPBV		95
7) PROPYLENE	1.672	41	412	0.05	PPBV	#	75
8) 1-CHLORO-1,1-DIFLUOROE...	1.724	65	1198	0.04	PPBV	#	77
9) FREON 114	1.759	85	1188	0.04	PPBV		97
10) CHLOROMETHANE	1.733	52	270	0.06	PPBV		88
11) VINYL CHLORIDE	1.795	62	622	0.05	PPBV	#	84
12) 1,3-BUTADIENE	1.833	54	532	0.05	PPBV	#	38
13) N-BUTANE	1.849	43	921	0.05	PPBV	#	1
14) BROMOMETHANE	1.910	94	499	0.05	PPBV		100
15) CHLOROETHANE	1.958	64	295	0.04	PPBV		95
16) DICHLOROFLUOROMETHANE	1.984	67	1087	0.04	PPBV	#	74
17) ACETONITRILE	2.055	41	1005	0.07	PPBV	#	82
19) FREON 123	2.106	83	1209	0.04	PPBV		92
20) FREON 123A	2.126	117	644	0.04	PPBV		98
21) TRICHLOROFLUOROMETHANE	2.190	101	1284	0.04	PPBV		98
22) ISOPROPYL ALCOHOL	2.229	45	1604	0.05	PPBV	#	74
23) ACETONE	2.142	58	1052	0.10	PPBV		91
24) PENTANE	2.306	42	809	0.05	PPBV	#	91
25) IODOMETHANE	2.367	142	1057	0.04	PPBV		95
26) 1,1-DICHLOROETHYLENE	2.389	96	495	0.04	PPBV		92
27) CARBON DISULFIDE	2.528	76	1277	0.04	PPBV	#	75
28) ETHANOL	2.000	45	820	0.07	PPBV	#	64
29) BROMOETHENE	2.061	106	450	0.04	PPBV	#	80
30) ACRYLONITRILE	2.277	52	632	0.06	PPBV		87
31) METHYLENE CHLORIDE	2.425	84	890	0.07	PPBV		87
32) 3-CHLOROPROPENE	2.470	76	287	0.05	PPBV	#	1
33) FREON 113	2.521	151	715	0.04	PPBV		95
34) TRANS-1,2-DICHLOROETHENE	2.753	96	522	0.04	PPBV		78
35) TERTIARY BUTYL ALCOHOL	2.447	59	1139	0.04	PPBV	#	51
36) METHYL TERTIARY BUTYL ...	2.878	73	1180	0.04	PPBV	#	81
37) TETRAHYDROFURAN	3.598	72	164	0.03	PPBV	#	47
38) HEXANE	3.322	57	1231	0.05	PPBV		88
39) VINYL ACETATE	2.910	86	51	0.02	PPBV	#	1
40) 1,1-DICHLOROETHANE	2.830	63	955	0.04	PPBV	#	86
41) METHYL ETHYL KETONE	3.010	72	219	0.04	PPBV	#	14
42) CIS-1,2-DICHLOROETHENE	3.190	96	521	0.04	PPBV		97
43) DIISOPROPYL ETHER	3.338	59	208	0.03	PPBV		43
44) ETHYL ACETATE	3.341	61	177	0.04	PPBV	#	83
45) METHYL ACRYLATE	3.328	55	948	0.04	PPBV		90
46) CHLOROFORM	3.344	83	987	0.04	PPBV		97
47) 2,4-DIMETHYLPENTANE	3.836	57	1018	0.04	PPBV		92
48) 1,1,1-TRICHLOROETHANE	3.910	97	923	0.04	PPBV		93
49) CARBON TETRACHLORIDE	4.335	117	765	0.03	PPBV		94
50) 1,2-DICHLOROETHANE	3.749	62	737	0.04	PPBV	#	91

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 09:49:15 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration

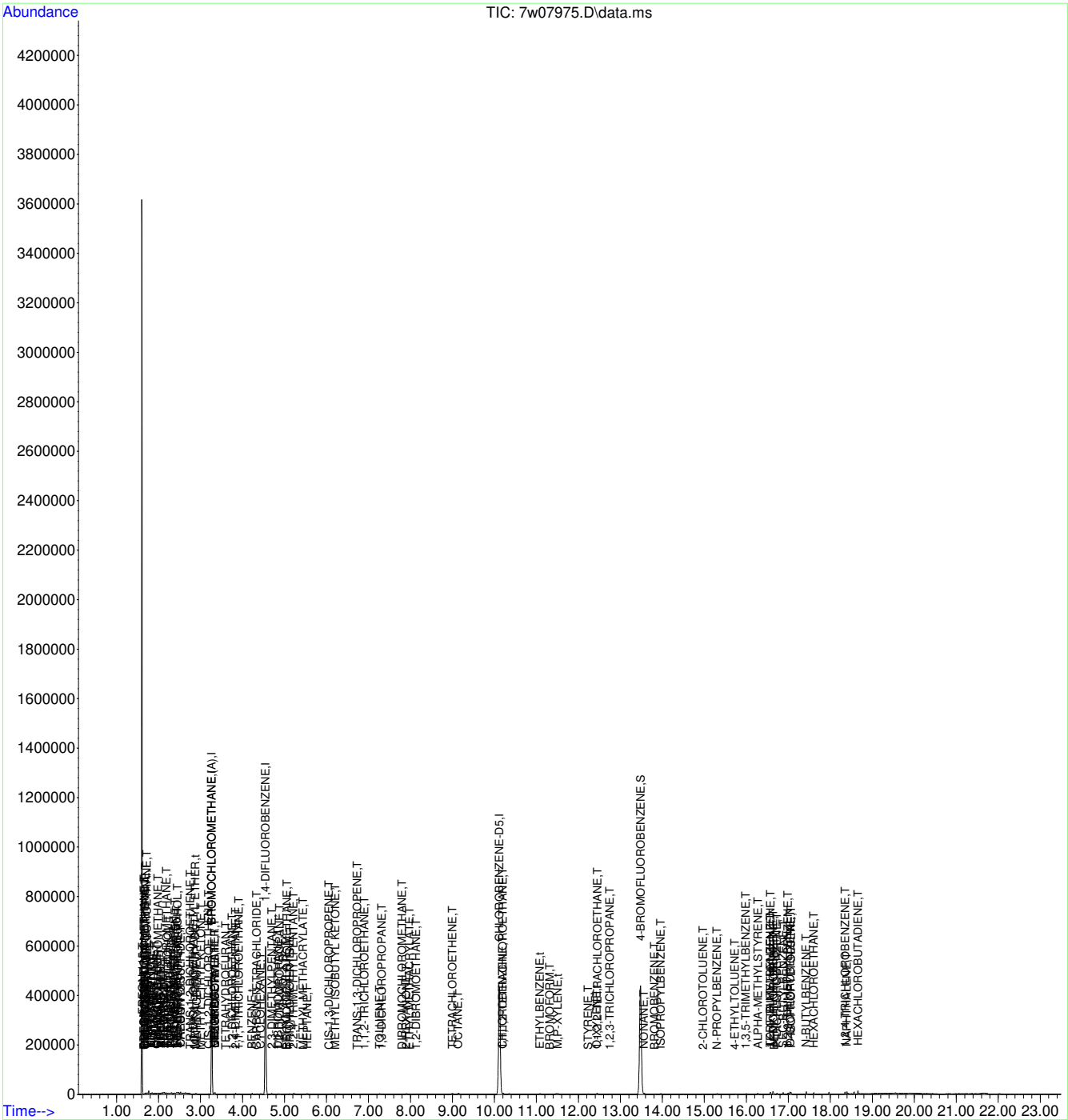
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
51) BENZENE	4.219	78	1765	0.05	PPBV		98
53) CYCLOHEXANE	4.428	84	693	0.04	PPBV		95
54) 2,3-DIMETHYLPENTANE	4.695	71	323	0.04	PPBV	#	73
55) TRICHLOROETHENE	5.122	95	728	0.04	PPBV		89
56) 1,2-DICHLOROPROPANE	4.884	63	609	0.04	PPBV	#	86
57) DIBROMOMETHANE	4.846	174	617	0.04	PPBV		90
58) ETHYL ACRYLATE	5.032	55	1286	0.04	PPBV	#	86
59) BROMODICHLOROMETHANE	5.061	83	937	0.04	PPBV		95
60) 2,2,4-TRIMETHYLPENTANE	5.216	57	3047	0.04	PPBV	#	93
62) HEPTANE	5.540	43	1123	0.04	PPBV		92
63) METHYL METHACRYLATE	5.447	69	574	0.04	PPBV	#	85
64) METHYL ISOBUTYL KETONE	6.206	58	746	0.05	PPBV	#	1
65) CIS-1,3-DICHLOROPROPENE	6.058	75	655	0.03	PPBV		86
66) TOLUENE	7.264	91	2052	0.04	PPBV		98
67) 1,3-DICHLOROPROPANE	7.315	76	924	0.04	PPBV	#	84
68) TRANS-1,3-DICHLOROPROPENE	6.730	75	422	0.03	PPBV		90
69) 1,1,2-TRICHLOROETHANE	6.904	83	497	0.04	PPBV		98
70) 2-HEXANONE	7.900	58	1104	0.05	PPBV	#	95
71) ETHYL METHACRYLATE	7.978	69	838	0.04	PPBV	#	87
72) TETRACHLOROETHENE	8.994	164	878	0.05	PPBV		93
73) DIBROMOCHLOROMETHANE	7.797	129	793	0.03	PPBV		92
74) 1,2-DIBROMOETHANE	8.138	107	952	0.04	PPBV	#	99
75) OCTANE	9.135	43	2128	0.06	PPBV	#	79
77) 1,1,1,2-TETRACHLOROETHANE	10.196	131	638	0.04	PPBV		86
78) CHLOROBENZENE	10.190	112	1477	0.04	PPBV	#	87
79) ETHYLBENZENE	11.080	91	2859	0.05	PPBV		99
80) M,P-XYLENE	11.505	91	4346m	0.09	PPBV		
81) O-XYLENE	12.434	91	2112	0.04	PPBV		84
82) STYRENE	12.231	104	1406	0.04	PPBV	#	67
83) NONANE	13.556	43	1791	0.05	PPBV	#	83
84) BROMOFORM	11.318	173	690m	0.03	PPBV		
85) 1,1,2,2-TETRACHLOROETHANE	12.456	83	1288	0.04	PPBV	#	90
86) 1,2,3-TRICHLOROPROPANE	12.743	75	1102	0.04	PPBV	#	99
88) ISOPROPYLBENZENE	13.958	120	662	0.04	PPBV		78
89) BROMOBENZENE	13.810	77	1167	0.03	PPBV		95
90) 2-CHLOROTOLUENE	14.964	126	643	0.04	PPBV	#	62
91) N-PROPYLBENZENE	15.299	120	676	0.04	PPBV	#	62
92) 4-ETHYLTOLUENE	15.723	105	2657m	0.04	PPBV		
93) 1,3,5-TRIMETHYLBENZENE	15.987	105	2186	0.04	PPBV		97
94) ALPHA-METHYLSTYRENE	16.276	118	1080	0.04	PPBV		98
95) TERT-BUTYLBENZENE	16.569	134	543	0.04	PPBV		94
96) 1,2,4-TRIMETHYLBENZENE	16.578	105	2186	0.04	PPBV		95
97) BENZYL CHLORIDE	16.662	91	535	0.02	PPBV	#	61
98) M-DICHLOROBENZENE	16.636	146	1366	0.04	PPBV		94
99) P-DICHLOROBENZENE	16.730	146	1547	0.04	PPBV		97
100) O-DICHLOROBENZENE	17.041	146	1438	0.04	PPBV		96
101) SEC-BUTYLBENZENE	16.871	134	621	0.04	PPBV		88
102) 1,2,3-TRIMETHYLBENZENE	16.990	105	2316	0.04	PPBV	#	89
103) P-ISOPROPYLTOLUENE	17.064	134	687	0.04	PPBV		94
104) N-BUTYLBENZENE	17.424	134	648	0.04	PPBV		83
105) HEXACHLOROETHANE	17.604	117	508	0.03	PPBV		93
106) HEXACHLOROBUTADIENE	18.659	225	1096	0.04	PPBV		95
107) 1,2,4-TRICHLOROBENZENE	18.350	180	1301	0.04	PPBV		97
108) NAPHTHALENE	18.395	128	4007	0.04	PPBV		100
110) TVHC as equiv Pentane	2.306	TIC	3733m	0.04	PPBV		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 09:49:15 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration



Manual Integration Approval Summary

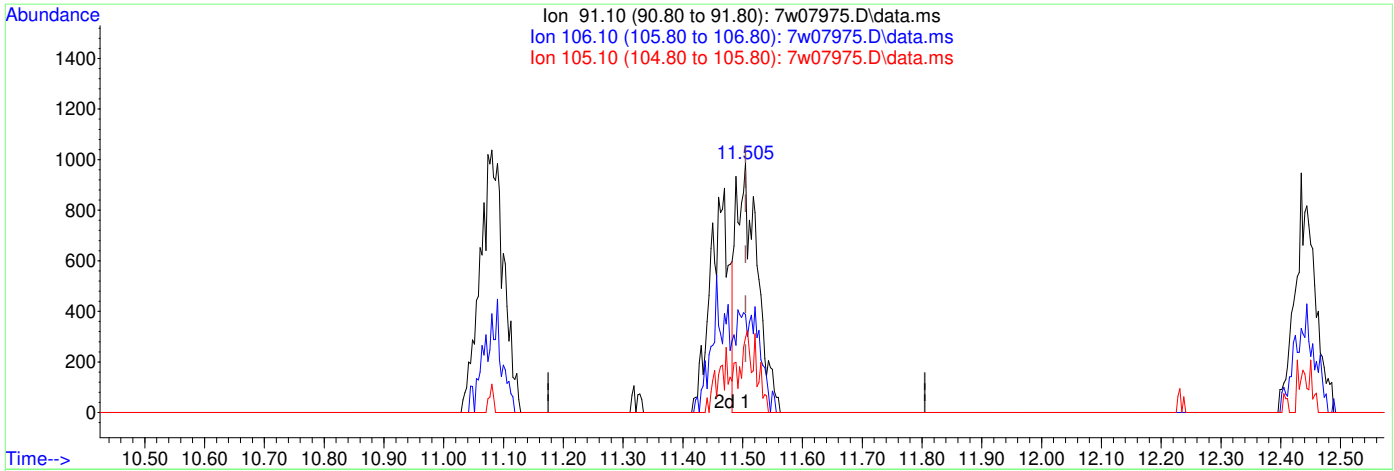
Sample Number: V7W305-IC305 **Method:** TO-15
Lab FileID: 7W07975.D **Analyst approved:** 08/19/24 10:01 Benjamin Kim
Injection Time: 08/18/24 21:40 **Supervisor approved:** 08/19/24 10:53 Kanya Veerawat

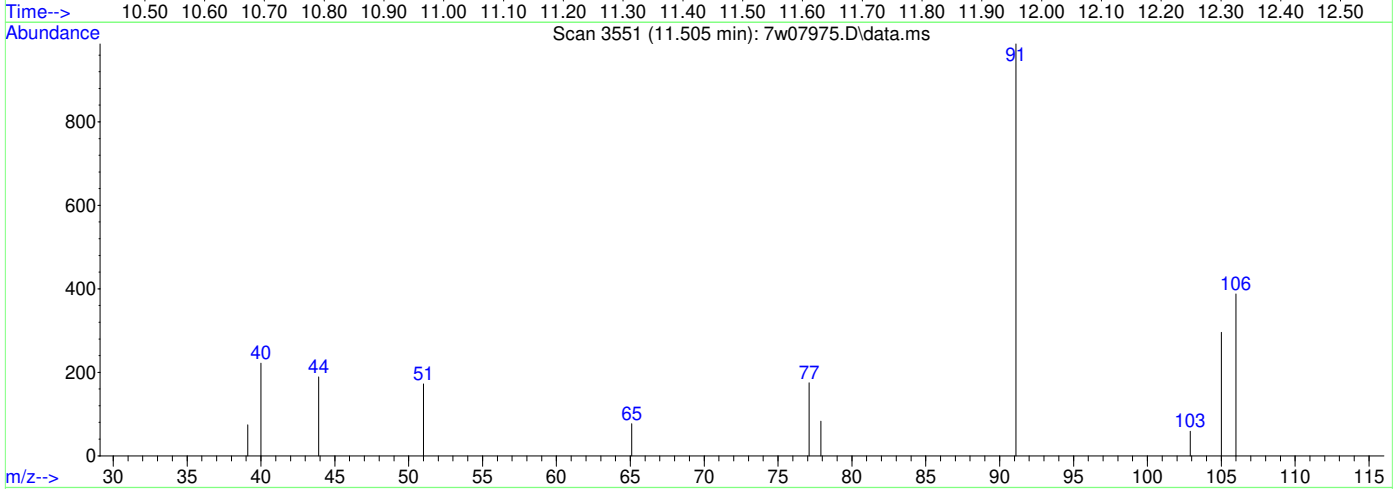
Parameter	CAS	Sig#	R.T. (min.)	Reason
TVHC As Equiv Pentane			2.31	Poor instrument integration
Bromoform	75-25-2		11.32	Split peak
m,p-Xylene			11.50	Split peak
4-Ethyltoluene	622-96-8		15.72	Split peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 03:00:44 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration





TIC: 7w07975.D\data.ms

(80) M,P-XYLENE (t)

11.505min (-0.000) 0.05PPBV

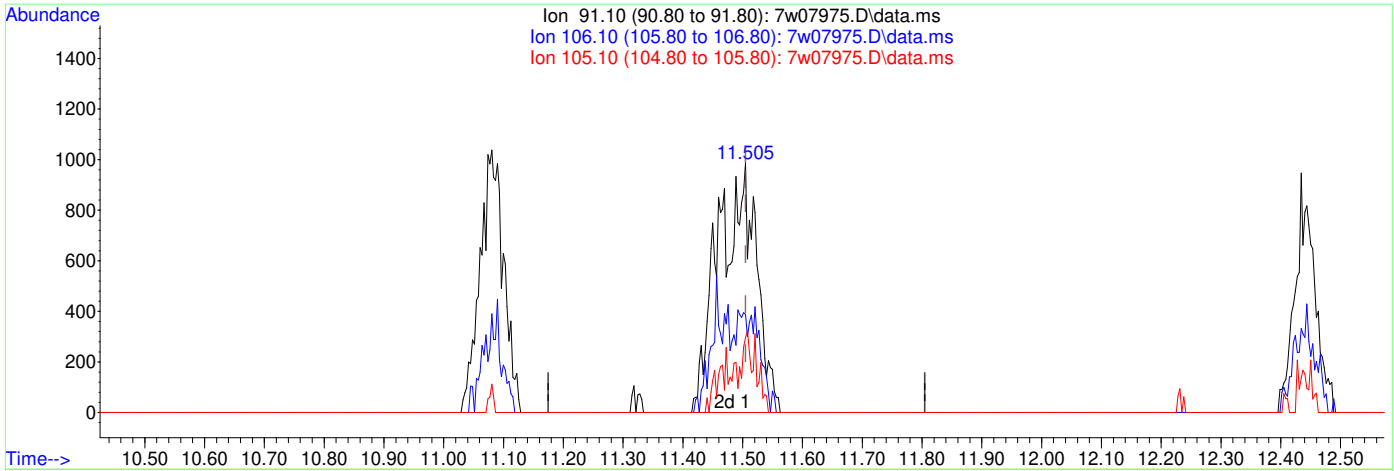
response 2415

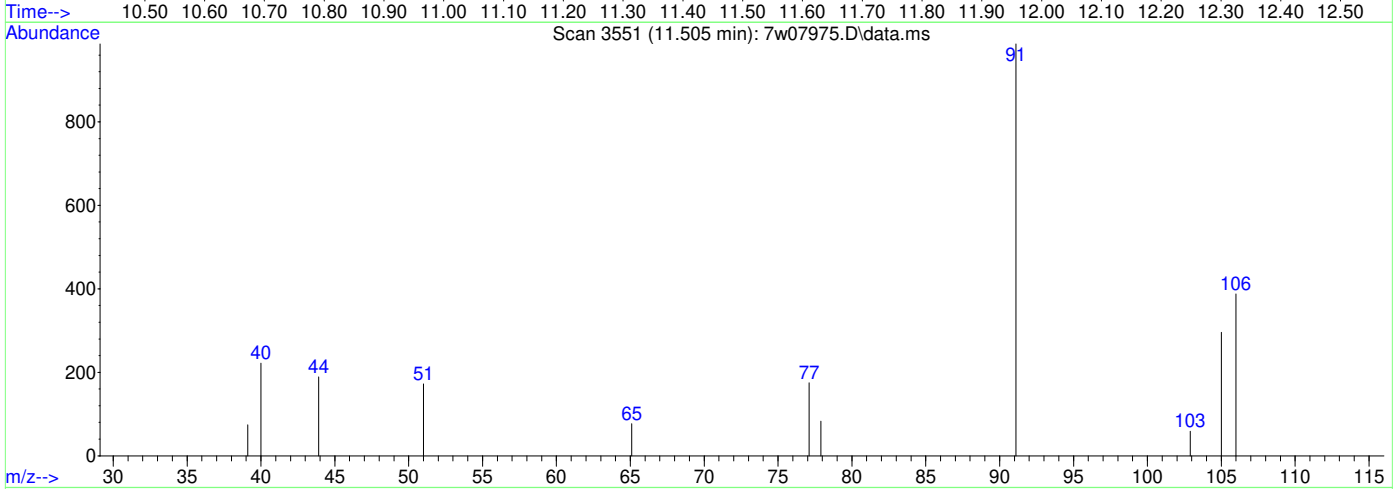
Ion	Exp%	Act%
91.10	100	100
106.10	24.00	17.97
105.10	11.30	30.39
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 03:00:44 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration





TIC: 7w07975.D\data.ms

(80) M,P-XYLENE (t)

11.505min (-0.000) 0.09PPBV m

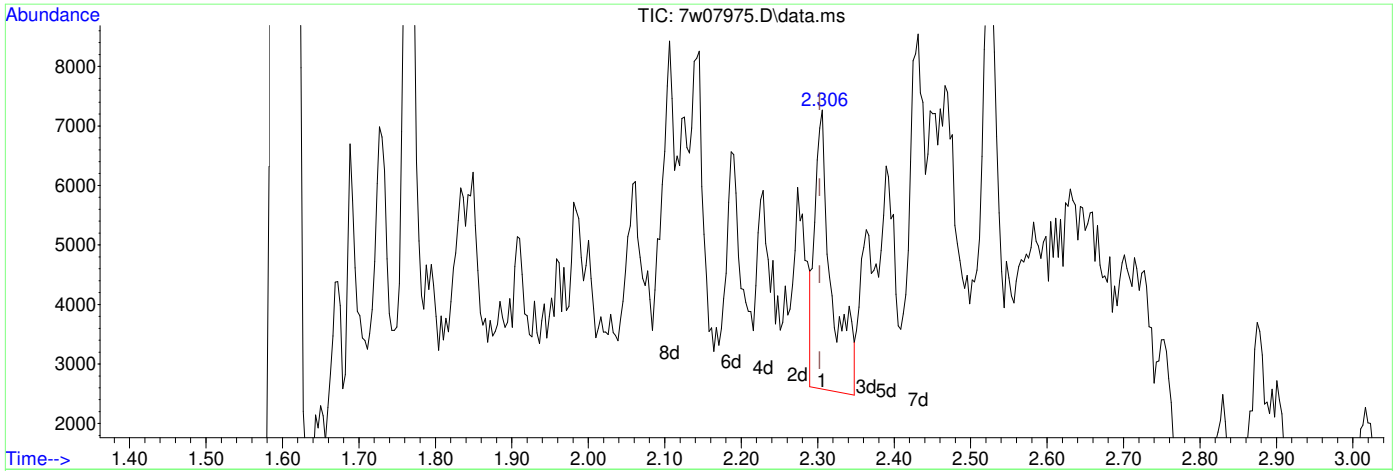
response 4346

Ion	Exp%	Act%
91.10	100	100
106.10	24.00	9.99
105.10	11.30	16.89
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 03:01:09 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration



TIC: 7w07975.D\data.ms

(110) TVHC as equiv Pentane

2.306min (+0.003) 0.08PPBV

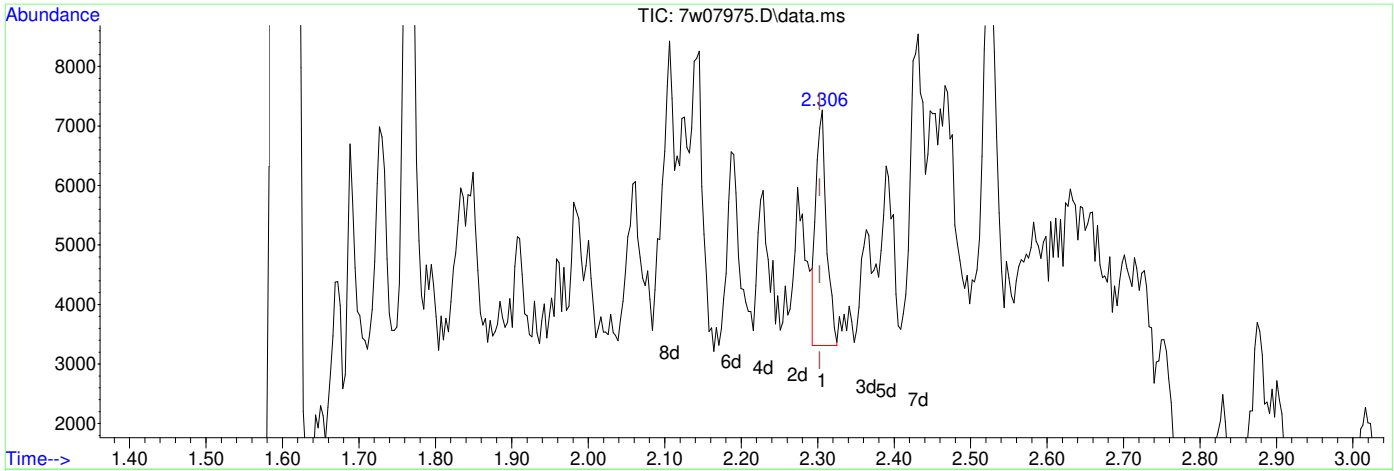
response 7138

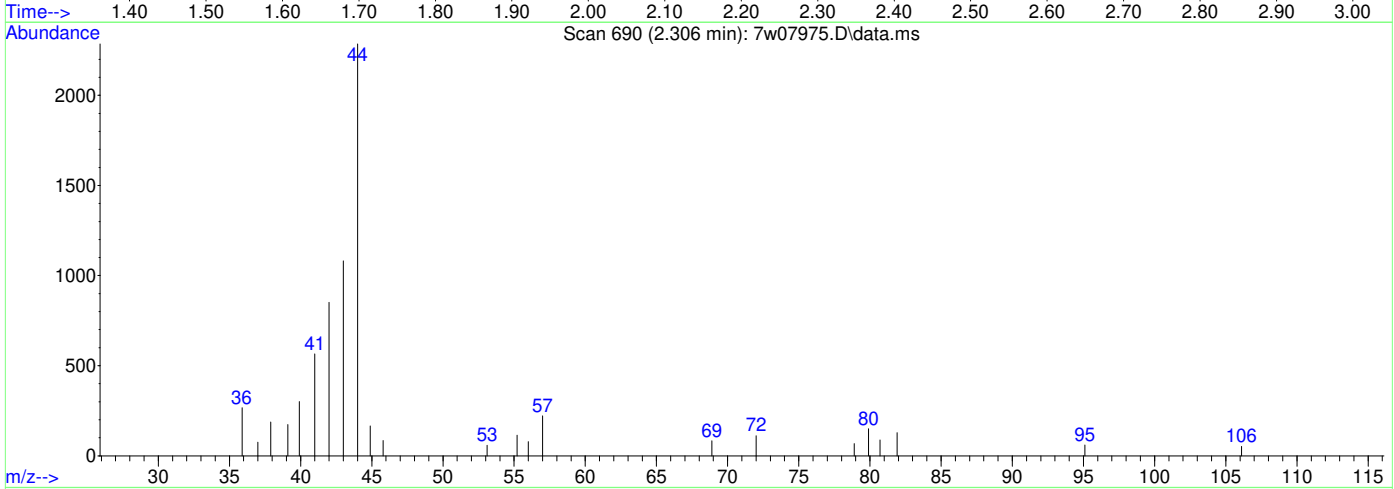
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 03:01:09 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration





TIC: 7w07975.D\data.ms

(110) TVHC as equiv Pentane

2.306min (+0.003) 0.04PPBV m

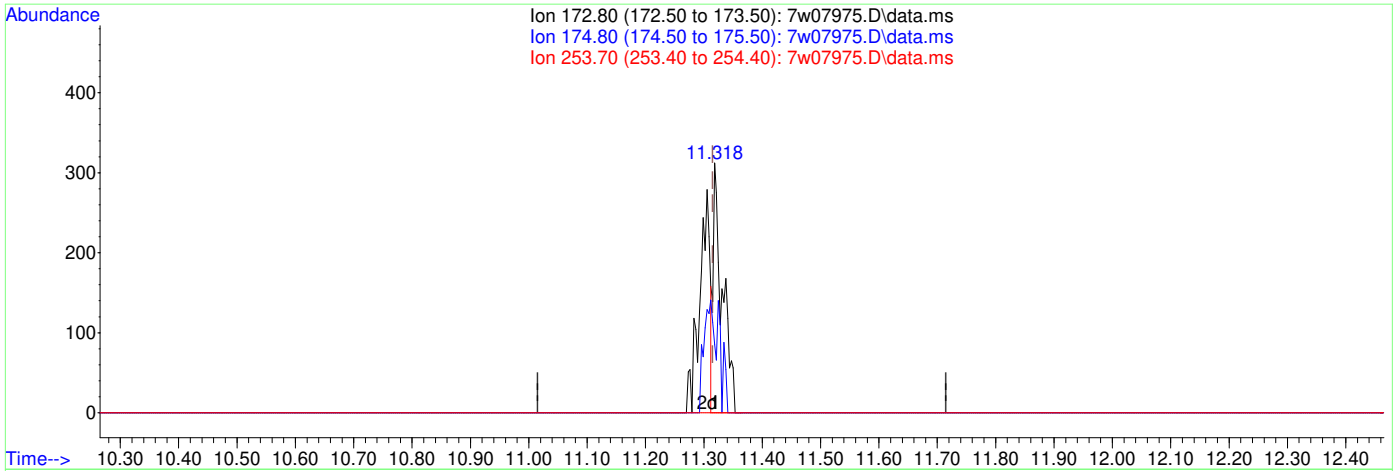
response 3733

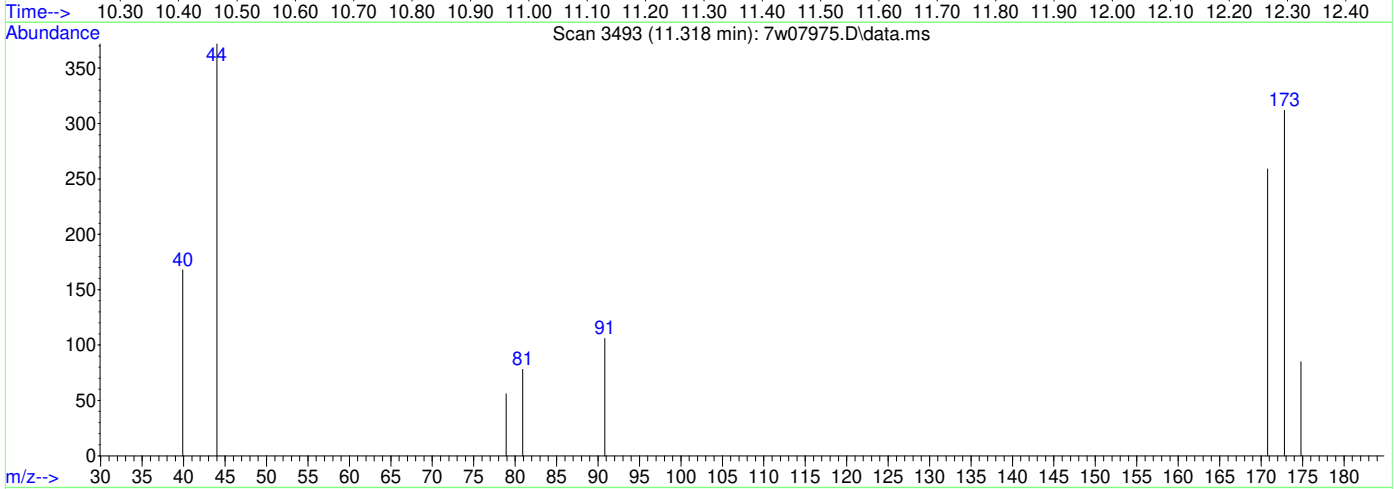
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 09:48:13 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration





TIC: 7w07975.D\data.ms

(84) BROMOFORM (T)

11.318min (+0.003) 0.02PPBV

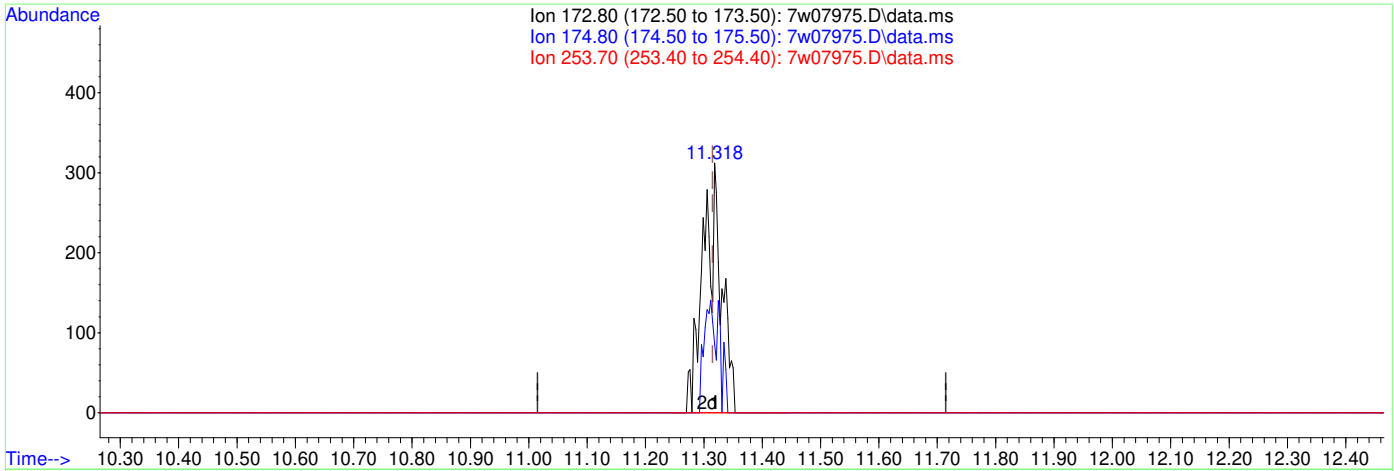
response 343

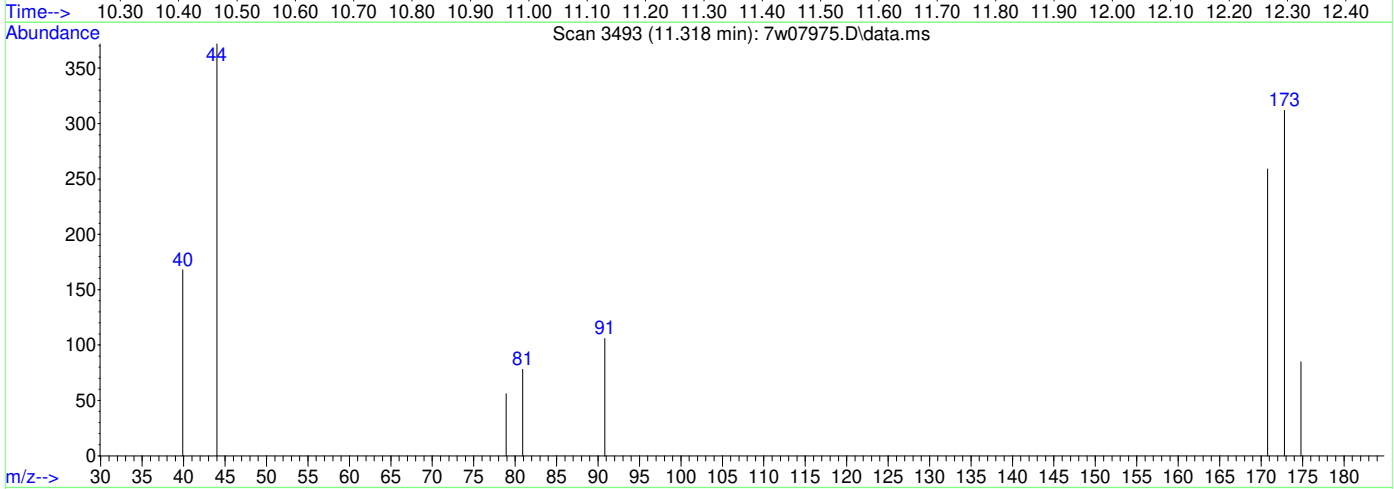
Ion	Exp%	Act%
172.80	100	100
174.80	48.30	73.76#
253.70	8.60	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 09:48:13 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration





TIC: 7w07975.D\data.ms

(84) BROMOFORM (T)

11.318min (+0.003) 0.03PPBV m

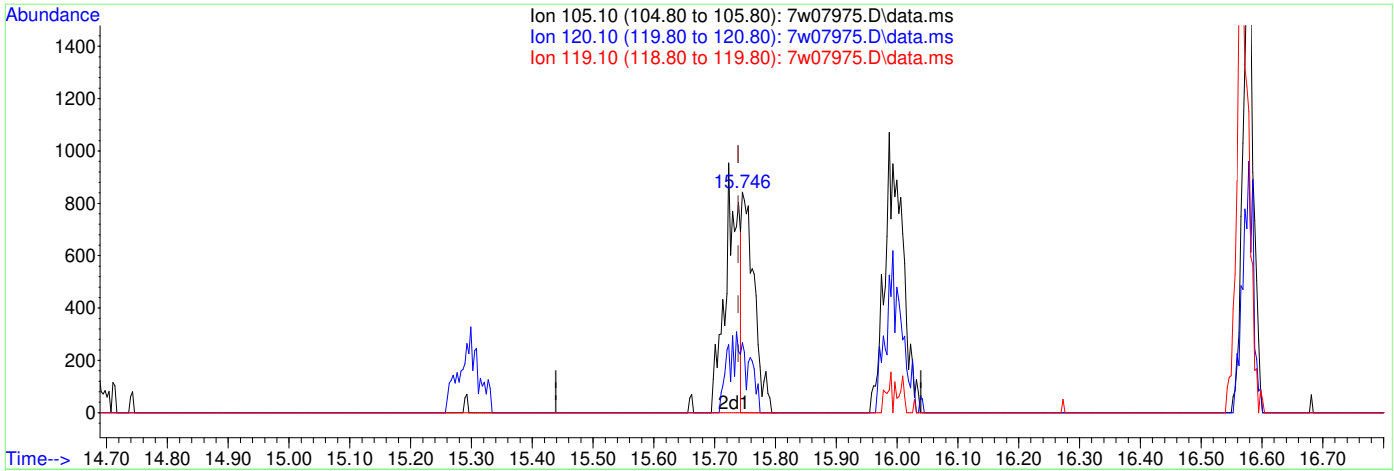
response 690

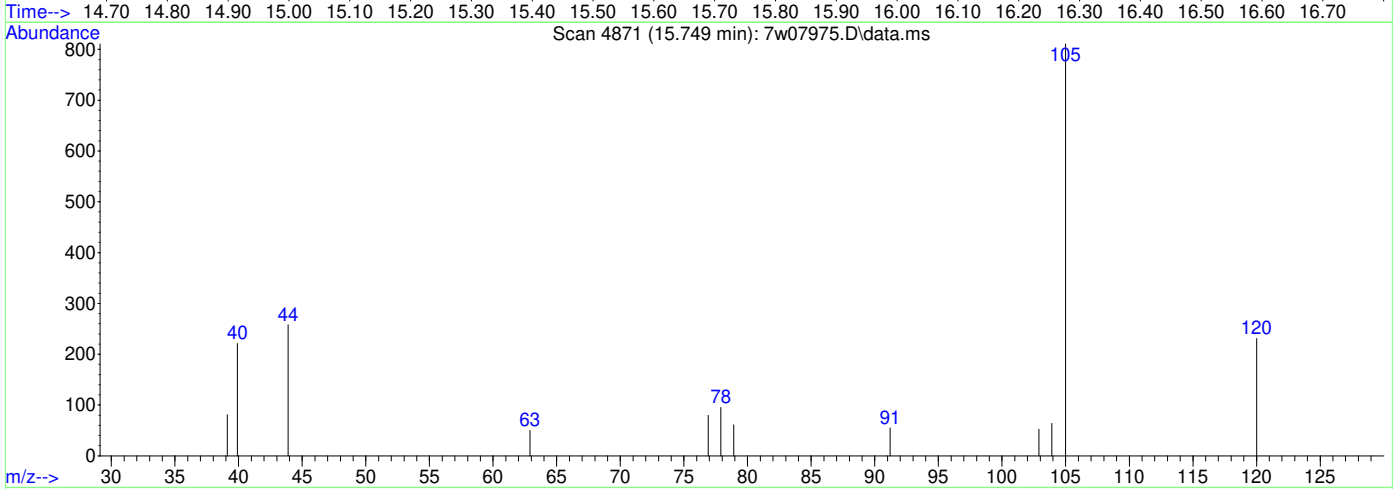
Ion	Exp%	Act%
172.80	100	100
174.80	48.30	36.67
253.70	8.60	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 09:48:13 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration





TIC: 7w07975.D\data.ms

(92) 4-ETHYLTOLUENE (T)

15.749min (+0.010) 0.02PPBV

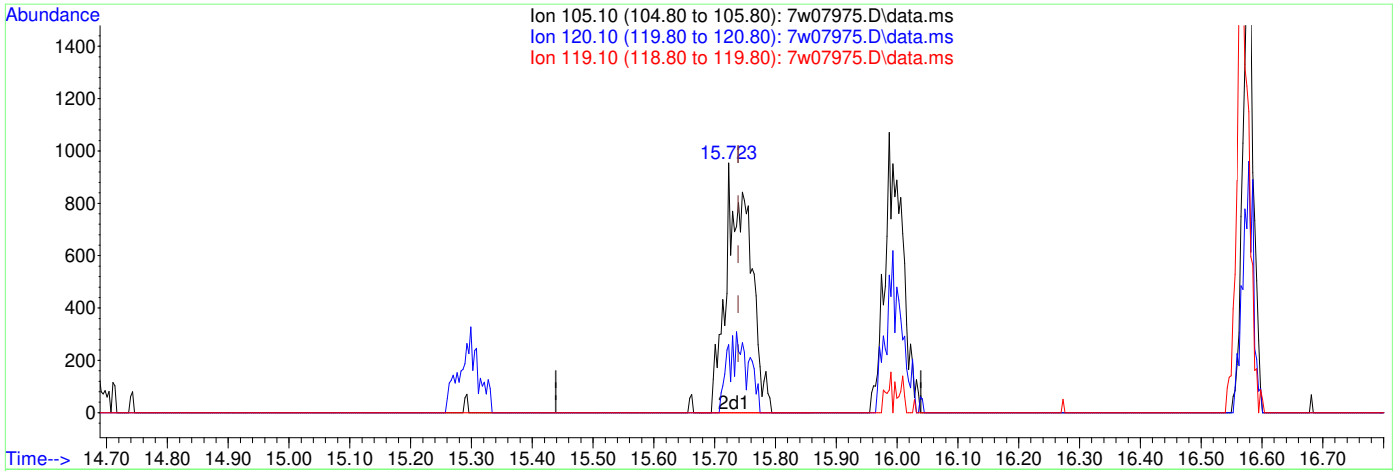
response 1190

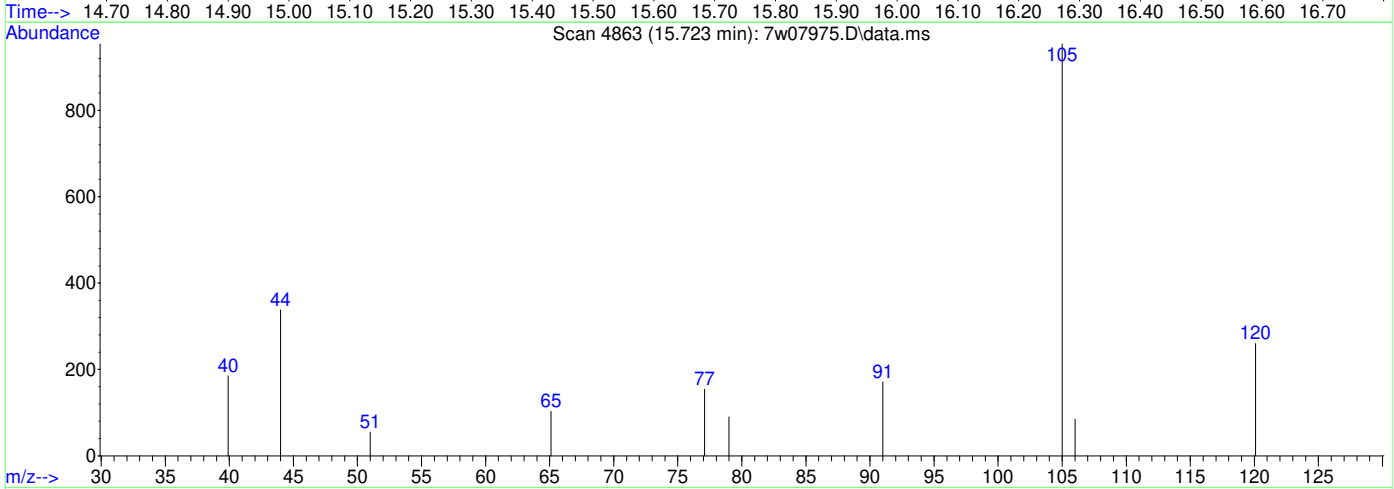
Ion	Exp%	Act%
105.10	100	100
120.10	29.90	59.66#
119.10	2.30	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 09:48:13 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration





TIC: 7w07975.D\data.ms

(92) 4-ETHYLTOLUENE (T)

15.723min (-0.016) 0.04PPBV m

response 2657

Ion	Exp%	Act%
105.10	100	100
120.10	29.90	26.72
119.10	2.30	0.00#
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 08/19/24 10:53

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07976.D
Acq On : 18 Aug 2024 10:13 pm
Operator : benk
Sample : ic305-0.10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 02:24:46 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:16 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.267	128	83993	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.547	114	426374	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.119	117	372534	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.267	128	83993	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.476	95	268355	9.65	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.618	119	1189	0.11	PPBV		97
3) FREON 152A	1.647	65	621	0.10	PPBV		99
4) CHLORODIFLUOROMETHANE	1.663	67	284	0.10	PPBV		86
5) CHLOROTRIFLUOROETHENE	1.672	116	1478	0.11	PPBV		82
6) DICHLORODIFLUOROMETHANE	1.688	85	3366	0.09	PPBV		97
7) PROPYLENE	1.672	41	1040	0.13	PPBV		91
8) 1-CHLORO-1,1-DIFLUOROE...	1.727	65	2851	0.09	PPBV	#	85
9) FREON 114	1.762	85	3135	0.10	PPBV		96
10) CHLOROMETHANE	1.737	52	472	0.09	PPBV		99
11) VINYL CHLORIDE	1.791	62	1305	0.09	PPBV	#	96
12) 1,3-BUTADIENE	1.833	54	1195	0.09	PPBV	#	79
13) N-BUTANE	1.849	43	2166	0.09	PPBV	#	55
14) BROMOMETHANE	1.907	94	1159	0.10	PPBV		99
15) CHLOROETHANE	1.958	64	645	0.08	PPBV	#	92
16) DICHLOROFLUOROMETHANE	1.984	67	2615	0.09	PPBV		90
17) ACETONITRILE	2.055	41	1535	0.10	PPBV	#	70
18) ACROLEIN	2.097	56	855	0.11	PPBV		79
19) FREON 123	2.106	83	2595	0.08	PPBV		91
20) FREON 123A	2.122	117	1623	0.09	PPBV		98
21) TRICHLOROFLUOROMETHANE	2.187	101	3104	0.09	PPBV		94
22) ISOPROPYL ALCOHOL	2.232	45	3464	0.09	PPBV	#	96
23) ACETONE	2.142	58	1367	0.13	PPBV		81
24) PENTANE	2.299	42	1690	0.09	PPBV		94
25) IODOMETHANE	2.367	142	2692	0.09	PPBV		99
26) 1,1-DICHLOROETHYLENE	2.389	96	1212	0.09	PPBV		98
27) CARBON DISULFIDE	2.524	76	3323	0.09	PPBV	#	2
28) ETHANOL	1.997	45	1564	0.18	PPBV	#	91
29) BROMOETHENE	2.061	106	1012	0.08	PPBV	#	91
30) ACRYLONITRILE	2.277	52	1142	0.09	PPBV		88
31) METHYLENE CHLORIDE	2.428	84	1614	0.13	PPBV		97
32) 3-CHLOROPROPENE	2.467	76	615	0.09	PPBV	#	34
33) FREON 113	2.524	151	1786	0.09	PPBV		95
34) TRANS-1,2-DICHLOROETHENE	2.753	96	1124	0.09	PPBV		97
35) TERTIARY BUTYL ALCOHOL	2.454	59	2814	0.09	PPBV	#	1
36) METHYL TERTIARY BUTYL ...	2.875	73	2894	0.10	PPBV	#	83
37) TETRAHYDROFURAN	3.589	72	550	0.11	PPBV		96
38) HEXANE	3.319	57	2328	0.10	PPBV		95
39) VINYL ACETATE	2.897	86	238	0.10	PPBV	#	28
40) 1,1-DICHLOROETHANE	2.827	63	2094	0.10	PPBV		97
41) METHYL ETHYL KETONE	3.013	72	631	0.12	PPBV		93
42) CIS-1,2-DICHLOROETHENE	3.190	96	1257	0.11	PPBV		95
43) DIISOPROPYL ETHER	3.338	59	665	0.11	PPBV		91
44) ETHYL ACETATE	3.348	61	500	0.11	PPBV		79
45) METHYL ACRYLATE	3.325	55	2546	0.09	PPBV		96
46) CHLOROFORM	3.338	83	2546	0.11	PPBV		96
47) 2,4-DIMETHYLPENTANE	3.830	57	2770	0.11	PPBV		97
48) 1,1,1-TRICHLOROETHANE	3.913	97	2268	0.11	PPBV		97
49) CARBON TETRACHLORIDE	4.338	117	2109	0.10	PPBV		95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07976.D
Acq On : 18 Aug 2024 10:13 pm
Operator : benk
Sample : ic305-0.10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 02:24:46 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:16 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50) 1,2-DICHLOROETHANE	3.746	62	1979	0.11	PPBV		94
51) BENZENE	4.225	78	4011	0.12	PPBV		97
53) CYCLOHEXANE	4.434	84	1594	0.11	PPBV		93
54) 2,3-DIMETHYLPENTANE	4.675	71	764	0.10	PPBV		78
55) TRICHLOROETHENE	5.122	95	1772	0.11	PPBV		93
56) 1,2-DICHLOROPROPANE	4.894	63	1565	0.11	PPBV		98
57) DIBROMOMETHANE	4.849	174	1541	0.11	PPBV		98
58) ETHYL ACRYLATE	5.029	55	3169	0.10	PPBV		98
59) BROMODICHLOROMETHANE	5.068	83	2410	0.10	PPBV		89
60) 2,2,4-TRIMETHYLPENTANE	5.212	57	7392	0.10	PPBV		96
61) 1,4-DIOXANE	5.245	88	791	0.10	PPBV	#	31
62) HEPTANE	5.534	43	2624	0.10	PPBV		98
63) METHYL METHACRYLATE	5.441	69	1358	0.10	PPBV		99
64) METHYL ISOBUTYL KETONE	6.209	58	1670	0.11	PPBV		85
65) CIS-1,3-DICHLOROPROPENE	6.064	75	1749	0.09	PPBV		95
66) TOLUENE	7.257	91	4699	0.11	PPBV		100
67) 1,3-DICHLOROPROPANE	7.322	76	2200	0.10	PPBV		94
68) TRANS-1,3-DICHLOROPROPENE	6.736	75	1161	0.07	PPBV		92
69) 1,1,2-TRICHLOROETHANE	6.894	83	1330	0.11	PPBV		97
70) 2-HEXANONE	7.891	58	2802	0.12	PPBV		98
71) ETHYL METHACRYLATE	7.990	69	2017	0.09	PPBV	#	29
72) TETRACHLOROETHENE	8.987	164	1787	0.11	PPBV		96
73) DIBROMOCHLOROMETHANE	7.791	129	2184	0.11	PPBV		96
74) 1,2-DIBROMOETHANE	8.148	107	2144	0.10	PPBV	#	93
75) OCTANE	9.145	43	4023	0.11	PPBV		97
77) 1,1,1,2-TETRACHLOROETHANE	10.212	131	1614	0.10	PPBV		98
78) CHLOROBENZENE	10.196	112	3946	0.12	PPBV		98
79) ETHYLBENZENE	11.077	91	6395	0.11	PPBV		98
80) M,P-XYLENE	11.502	91	9776m	0.24	PPBV		
81) O-XYLENE	12.444	91	5001	0.12	PPBV		96
82) STYRENE	12.231	104	3528	0.11	PPBV		97
83) NONANE	13.569	43	4019	0.11	PPBV		98
84) BROMOFORM	11.309	173	1656	0.09	PPBV	#	94
85) 1,1,2,2-TETRACHLOROETHANE	12.453	83	3311	0.11	PPBV	#	27
86) 1,2,3-TRICHLOROPROPANE	12.730	75	2751	0.12	PPBV	#	99
88) ISOPROPYLBENZENE	13.964	120	1945	0.12	PPBV		89
89) BROMOBENZENE	13.813	77	3458	0.11	PPBV		95
90) 2-CHLOROTOLUENE	14.948	126	1559	0.11	PPBV		93
91) N-PROPYLBENZENE	15.292	120	1817	0.11	PPBV	#	78
92) 4-ETHYLTOLUENE	15.743	105	6120	0.10	PPBV	#	75
93) 1,3,5-TRIMETHYLBENZENE	16.000	105	5446	0.10	PPBV		97
94) ALPHA-METHYLSTYRENE	16.267	118	2523	0.09	PPBV		98
95) TERT-BUTYLBENZENE	16.572	134	1313	0.10	PPBV		98
96) 1,2,4-TRIMETHYLBENZENE	16.578	105	5507	0.09	PPBV		97
97) BENZYL CHLORIDE	16.669	91	1270	0.05	PPBV		98
98) M-DICHLOROBENZENE	16.636	146	3586	0.10	PPBV		93
99) P-DICHLOROBENZENE	16.733	146	3820	0.10	PPBV		100
100) O-DICHLOROBENZENE	17.041	146	3498	0.10	PPBV		98
101) SEC-BUTYLBENZENE	16.878	134	1720	0.10	PPBV		90
102) 1,2,3-TRIMETHYLBENZENE	16.990	105	5572	0.10	PPBV		97
103) P-ISOPROPYLTOLUENE	17.061	134	1842	0.10	PPBV		91
104) N-BUTYLBENZENE	17.427	134	1626	0.09	PPBV		90
105) HEXACHLOROETHANE	17.604	117	1235	0.07	PPBV		96
106) HEXACHLOROBUTADIENE	18.656	225	2528	0.10	PPBV		98
107) 1,2,4-TRICHLOROBENZENE	18.350	180	3381	0.14	PPBV		97
108) NAPHTHALENE	18.395	128	9159	0.16	PPBV		98
110) TVHC as equiv Pentane	2.303	TIC	8184	0.10	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07976.D
Acq On : 18 Aug 2024 10:13 pm
Operator : benk
Sample : ic305-0.10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 02:24:46 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:16 2024
Response via : Initial Calibration

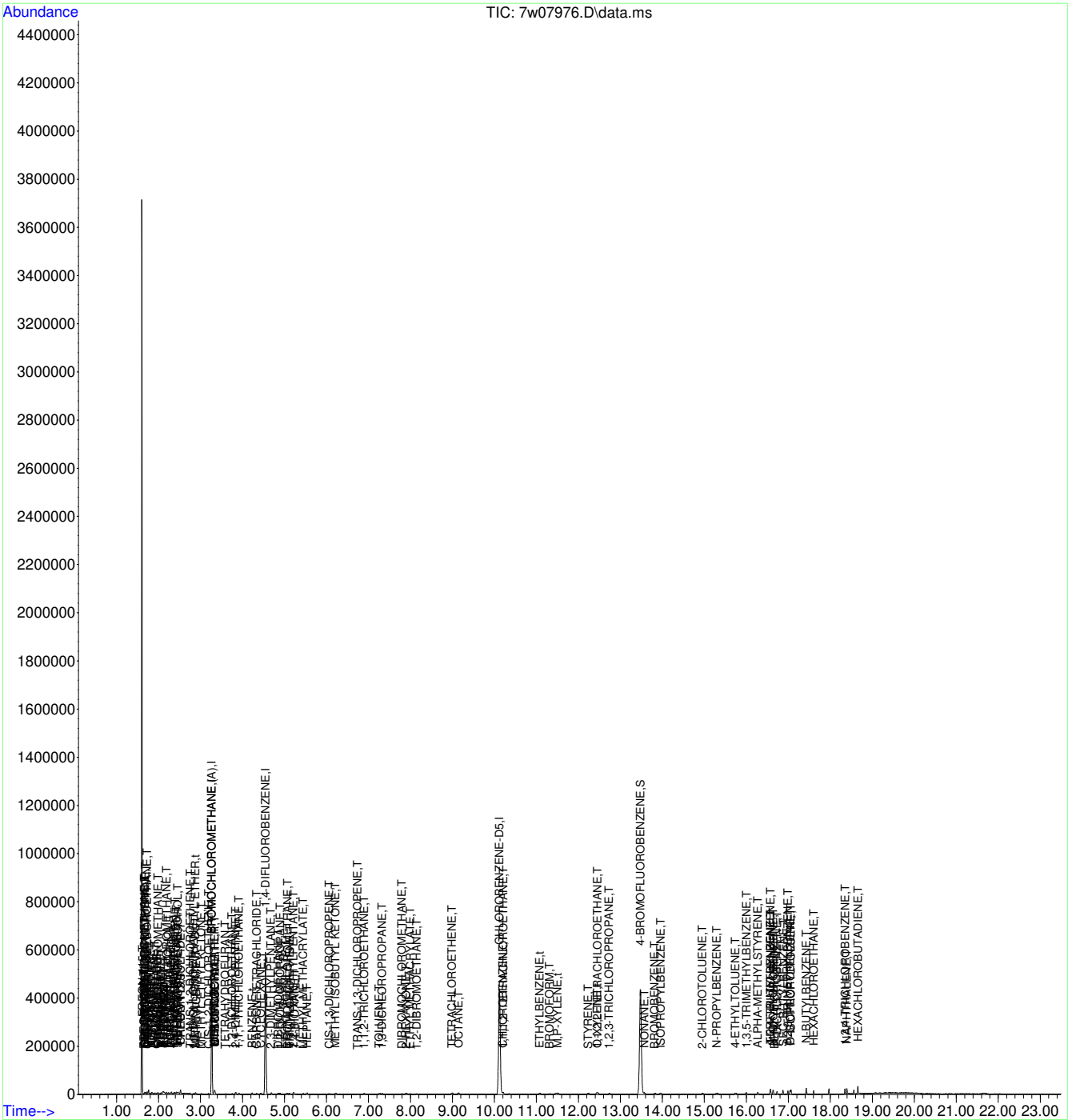
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07976.D
Acq On : 18 Aug 2024 10:13 pm
Operator : benk
Sample : ic305-0.10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 02:24:46 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:16 2024
Response via : Initial Calibration



Manual Integration Approval Summary

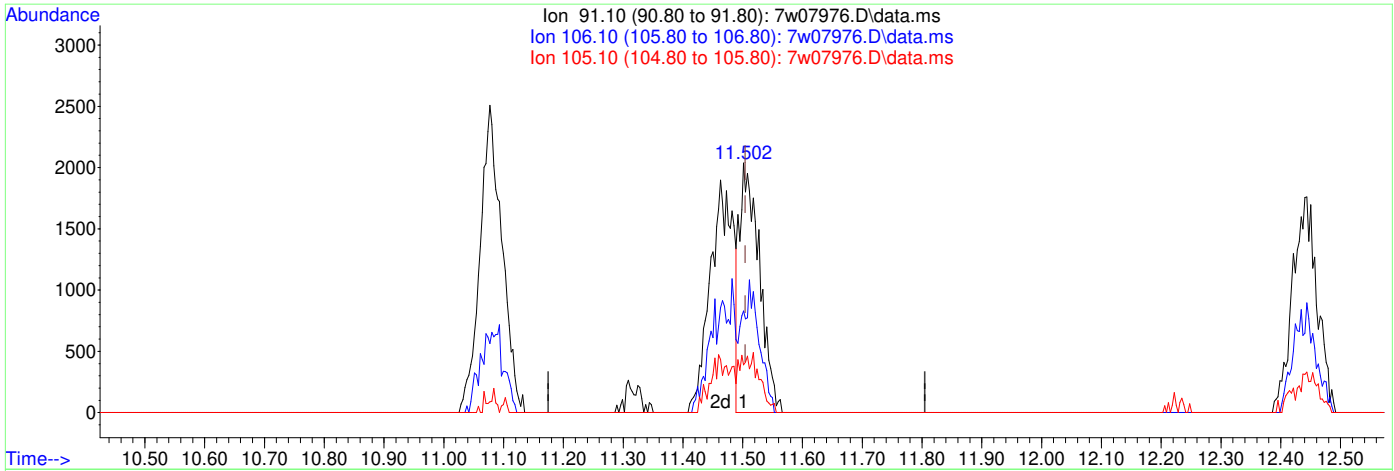
Sample Number:	V7W305-IC305	**Method:**	TO-15
Lab FileID:	7W07976.D	**Analyst approved:**	08/19/24 09:06 Benjamin Kim
Injection Time:	08/18/24 22:13	**Supervisor approved:**	08/19/24 10:53 Kanya Veerawat

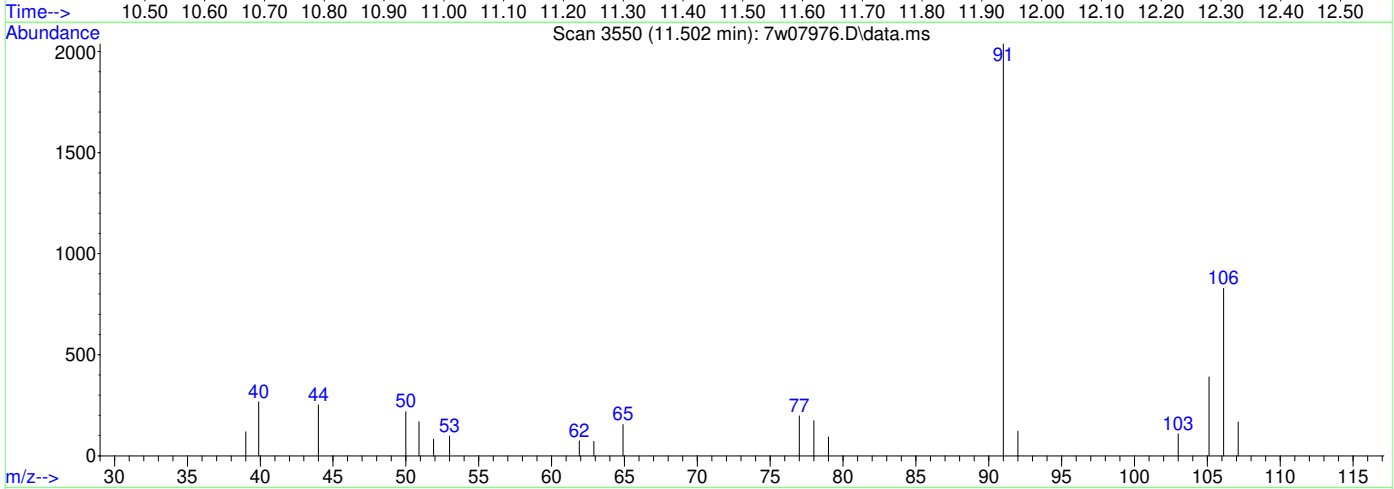
Parameter	CAS	Sig#	R.T. (min.)	Reason
m,p-Xylene			11.50	Split peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07976.D
Acq On : 18 Aug 2024 10:13 pm
Operator : benk
Sample : ic305-0.10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 00:49:26 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:16 2024
Response via : Initial Calibration





TIC: 7w07976.D\data.ms

(80) M,P-XYLENE (t)

11.502min (-0.003) 0.11PPBV

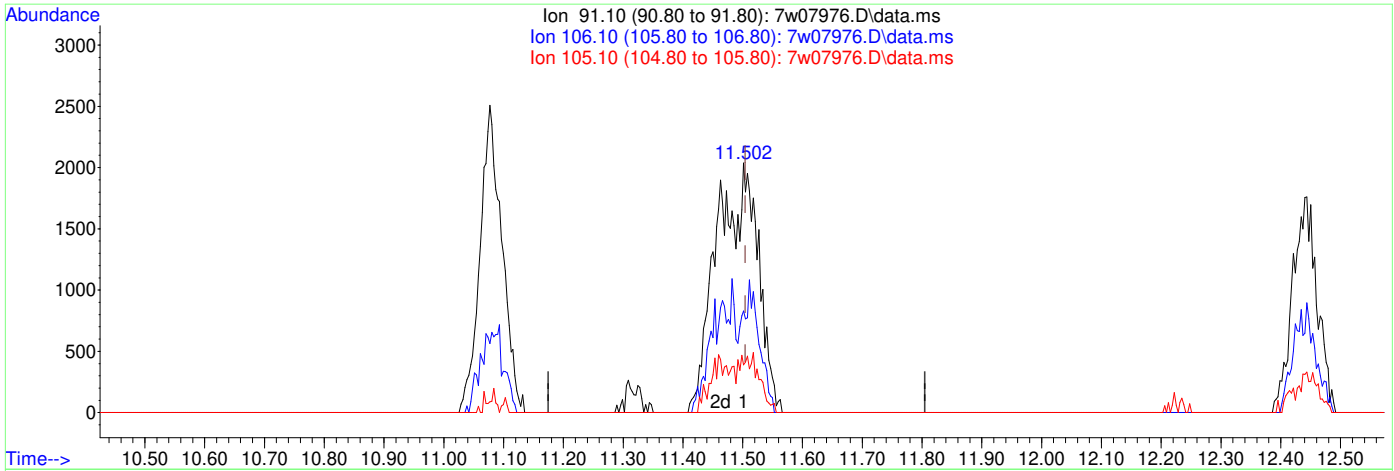
response 4741

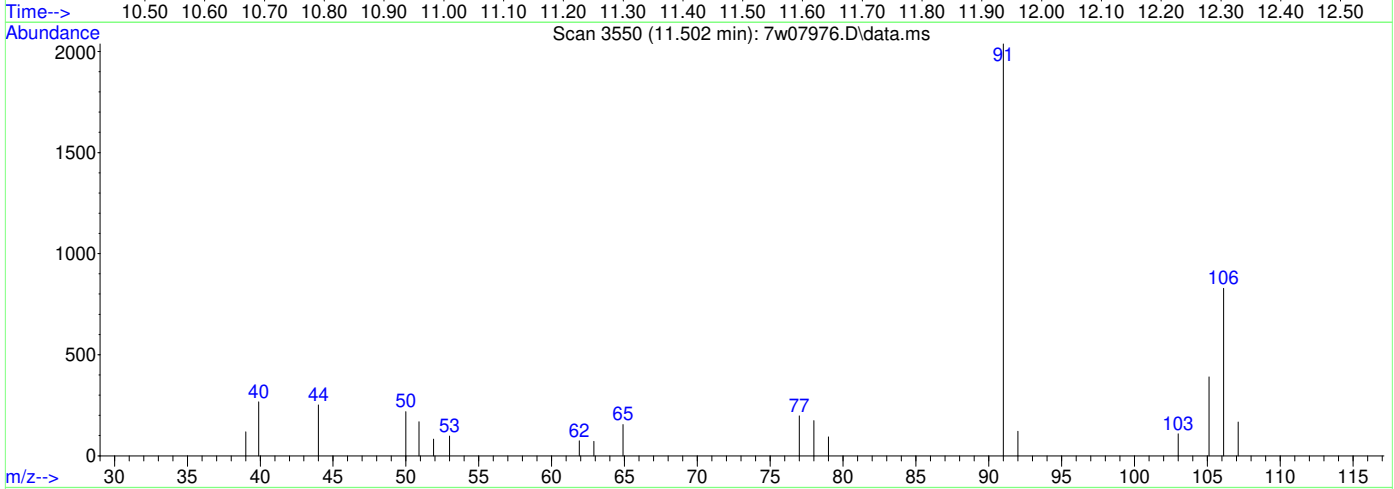
Ion	Exp%	Act%
91.10	100	100
106.10	24.00	41.55
105.10	11.30	23.24
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07976.D
Acq On : 18 Aug 2024 10:13 pm
Operator : benk
Sample : ic305-0.10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 00:49:26 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:16 2024
Response via : Initial Calibration





TIC: 7w07976.D\data.ms

(80) M,P-XYLENE (t)

11.502min (-0.003) 0.24PPBV m

response 9776

Ion	Exp%	Act%
91.10	100	100
106.10	24.00	20.15
105.10	11.30	11.27
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 08/19/24 10:53

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07977.D
Acq On : 18 Aug 2024 10:49 pm
Operator : benk
Sample : ic305-0.20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 02:24:09 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:32 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.267	128	81591	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.547	114	417480	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.122	117	367012	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.267	128	81591	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.479	95	264802	9.63	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.618	119	2326	0.21	PPBV		94
3) FREON 152A	1.647	65	1163	0.19	PPBV		92
4) CHLORODIFLUOROMETHANE	1.656	67	602	0.23	PPBV		87
5) CHLOROTRIFLUOROETHENE	1.673	116	2630	0.21	PPBV		99
6) DICHLORODIFLUOROMETHANE	1.685	85	6840	0.19	PPBV		98
7) PROPYLENE	1.669	41	1717	0.21	PPBV		94
8) 1-CHLORO-1,1-DIFLUOROE...	1.724	65	5757	0.18	PPBV		91
9) FREON 114	1.759	85	5769	0.18	PPBV		98
10) CHLOROMETHANE	1.727	52	850	0.17	PPBV		99
11) VINYL CHLORIDE	1.791	62	2663	0.18	PPBV		96
12) 1,3-BUTADIENE	1.830	54	2375	0.19	PPBV		94
13) N-BUTANE	1.846	43	4070	0.17	PPBV	#	79
14) BROMOMETHANE	1.907	94	2219	0.19	PPBV		98
15) CHLOROETHANE	1.955	64	1401	0.17	PPBV		92
16) DICHLOROFLUOROMETHANE	1.981	67	5439	0.19	PPBV		99
17) ACETONITRILE	2.055	41	3149	0.21	PPBV		93
18) ACROLEIN	2.094	56	1372	0.19	PPBV		89
19) FREON 123	2.103	83	5470	0.17	PPBV		98
20) FREON 123A	2.123	117	3145	0.18	PPBV		96
21) TRICHLOROFLUOROMETHANE	2.187	101	5923	0.18	PPBV		97
22) ISOPROPYL ALCOHOL	2.226	45	6150	0.16	PPBV		100
23) ACETONE	2.139	58	2159	0.22	PPBV		100
24) PENTANE	2.299	42	3022	0.16	PPBV		96
25) IODOMETHANE	2.361	142	5432	0.18	PPBV		98
26) 1,1-DICHLOROETHYLENE	2.390	96	2330	0.18	PPBV		98
27) CARBON DISULFIDE	2.525	76	6551	0.18	PPBV	#	31
28) ETHANOL	2.000	45	2022	0.24	PPBV		87
29) BROMOETHENE	2.058	106	2034	0.17	PPBV	#	96
30) ACRYLONITRILE	2.277	52	2439	0.18	PPBV		94
31) METHYLENE CHLORIDE	2.425	84	2696	0.22	PPBV		94
32) 3-CHLOROPROPENE	2.470	76	1256	0.18	PPBV	#	56
33) FREON 113	2.521	151	3632	0.19	PPBV		98
34) TRANS-1,2-DICHLOROETHENE	2.750	96	2164	0.18	PPBV		93
35) TERTIARY BUTYL ALCOHOL	2.451	59	5152	0.16	PPBV	#	60
36) METHYL TERTIARY BUTYL ...	2.872	73	5623	0.21	PPBV	#	94
37) TETRAHYDROFURAN	3.582	72	1097	0.23	PPBV		95
38) HEXANE	3.322	57	4465	0.20	PPBV		96
39) VINYL ACETATE	2.907	86	442	0.19	PPBV	#	41
40) 1,1-DICHLOROETHANE	2.827	63	4233	0.21	PPBV		100
41) METHYL ETHYL KETONE	3.013	72	1161	0.22	PPBV		89
42) CIS-1,2-DICHLOROETHENE	3.190	96	2366	0.22	PPBV		97
43) DIISOPROPYL ETHER	3.338	59	1113	0.18	PPBV		76
44) ETHYL ACETATE	3.344	61	910	0.22	PPBV	#	94
45) METHYL ACRYLATE	3.325	55	4855	0.19	PPBV	#	25
46) CHLOROFORM	3.338	83	4898	0.22	PPBV		96
47) 2,4-DIMETHYLPENTANE	3.836	57	4922	0.20	PPBV		96
48) 1,1,1-TRICHLOROETHANE	3.910	97	4147	0.20	PPBV		98
49) CARBON TETRACHLORIDE	4.338	117	4013	0.20	PPBV		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07977.D
Acq On : 18 Aug 2024 10:49 pm
Operator : benk
Sample : ic305-0.20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 02:24:09 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:32 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	3.746	62	3831	0.22	PPBV		98
51)	BENZENE	4.222	78	7289	0.22	PPBV		98
53)	CYCLOHEXANE	4.434	84	3089	0.22	PPBV		95
54)	2,3-DIMETHYLPENTANE	4.682	71	1631	0.22	PPBV		93
55)	TRICHLOROETHENE	5.119	95	3128	0.21	PPBV		95
56)	1,2-DICHLOROPROPANE	4.888	63	2838	0.20	PPBV		95
57)	DIBROMOMETHANE	4.846	174	2782	0.20	PPBV		95
58)	ETHYL ACRYLATE	5.020	55	6089	0.20	PPBV		99
59)	BROMODICHLOROMETHANE	5.065	83	4748	0.20	PPBV		95
60)	2,2,4-TRIMETHYLPENTANE	5.216	57	14752	0.21	PPBV		98
61)	1,4-DIOXANE	5.222	88	2233	0.23	PPBV	#	1
62)	HEPTANE	5.534	43	5290	0.21	PPBV		97
63)	METHYL METHACRYLATE	5.441	69	2733	0.22	PPBV		98
64)	METHYL ISOBUTYL KETONE	6.216	58	3415	0.22	PPBV		98
65)	CIS-1,3-DICHLOROPROPENE	6.061	75	3343	0.18	PPBV		95
66)	TOLUENE	7.264	91	9195	0.22	PPBV		100
67)	1,3-DICHLOROPROPANE	7.319	76	4502	0.22	PPBV		98
68)	TRANS-1,3-DICHLOROPROPENE	6.737	75	2208	0.14	PPBV		90
69)	1,1,2-TRICHLOROETHANE	6.891	83	2480	0.21	PPBV		97
70)	2-HEXANONE	7.888	58	5066	0.18	PPBV		93
71)	ETHYL METHACRYLATE	7.984	69	4055	0.20	PPBV		98
72)	TETRACHLOROETHENE	8.991	164	3549	0.22	PPBV		96
73)	DIBROMOCHLOROMETHANE	7.794	129	4142	0.21	PPBV		100
74)	1,2-DIBROMOETHANE	8.135	107	4391	0.22	PPBV	#	98
75)	OCTANE	9.135	43	7595	0.22	PPBV		97
77)	1,1,1,2-TETRACHLOROETHANE	10.209	131	2986	0.19	PPBV		98
78)	CHLOROBENZENE	10.199	112	7462	0.23	PPBV		97
79)	ETHYLBENZENE	11.077	91	12480	0.20	PPBV		96
80)	M,P-XYLENE	11.498	91	18766m	0.43	PPBV		
81)	O-XYLENE	12.447	91	9653	0.23	PPBV		87
82)	STYRENE	12.235	104	6881	0.23	PPBV		100
83)	NONANE	13.563	43	7639	0.22	PPBV		96
84)	BROMOFORM	11.322	173	3470	0.19	PPBV		99
85)	1,1,2,2-TETRACHLOROETHANE	12.453	83	6952	0.23	PPBV		97
86)	1,2,3-TRICHLOROPROPANE	12.740	75	5179	0.22	PPBV	#	99
88)	ISOPROPYLBENZENE	13.958	120	3629	0.22	PPBV		97
89)	BROMOBENZENE	13.820	77	6828	0.23	PPBV		97
90)	2-CHLOROTOLUENE	14.955	126	3019	0.20	PPBV		99
91)	N-PROPYLBENZENE	15.305	120	3589	0.22	PPBV		95
92)	4-ETHYLTOLUENE	15.746	105	13103	0.20	PPBV	#	100
93)	1,3,5-TRIMETHYLBENZENE	15.993	105	10844	0.20	PPBV		98
94)	ALPHA-METHYLSTYRENE	16.267	118	5388	0.20	PPBV		97
95)	TERT-BUTYLBENZENE	16.569	134	2559	0.18	PPBV		99
96)	1,2,4-TRIMETHYLBENZENE	16.575	105	11120	0.19	PPBV		98
97)	BENZYL CHLORIDE	16.665	91	2497	0.10	PPBV		96
98)	M-DICHLOROBENZENE	16.640	146	7185	0.20	PPBV		99
99)	P-DICHLOROBENZENE	16.730	146	7542	0.20	PPBV		98
100)	O-DICHLOROBENZENE	17.042	146	7199	0.20	PPBV		100
101)	SEC-BUTYLBENZENE	16.874	134	3121	0.19	PPBV		94
102)	1,2,3-TRIMETHYLBENZENE	16.990	105	11396	0.20	PPBV	#	96
103)	P-ISOPROPYLTOLUENE	17.067	134	3732	0.21	PPBV		91
104)	N-BUTYLBENZENE	17.427	134	3509	0.21	PPBV		98
105)	HEXACHLOROETHANE	17.601	117	2451	0.14	PPBV		97
106)	HEXACHLOROBUTADIENE	18.656	225	4955	0.20	PPBV		99
107)	1,2,4-TRICHLOROBENZENE	18.347	180	6745	0.33	PPBV		98
108)	NAPHTHALENE	18.395	128	18097	0.38	PPBV		99
110)	TVHC as equiv Pentane	2.303	TIC	17481	0.21	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07977.D
Acq On : 18 Aug 2024 10:49 pm
Operator : benk
Sample : ic305-0.20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 02:24:09 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:32 2024
Response via : Initial Calibration

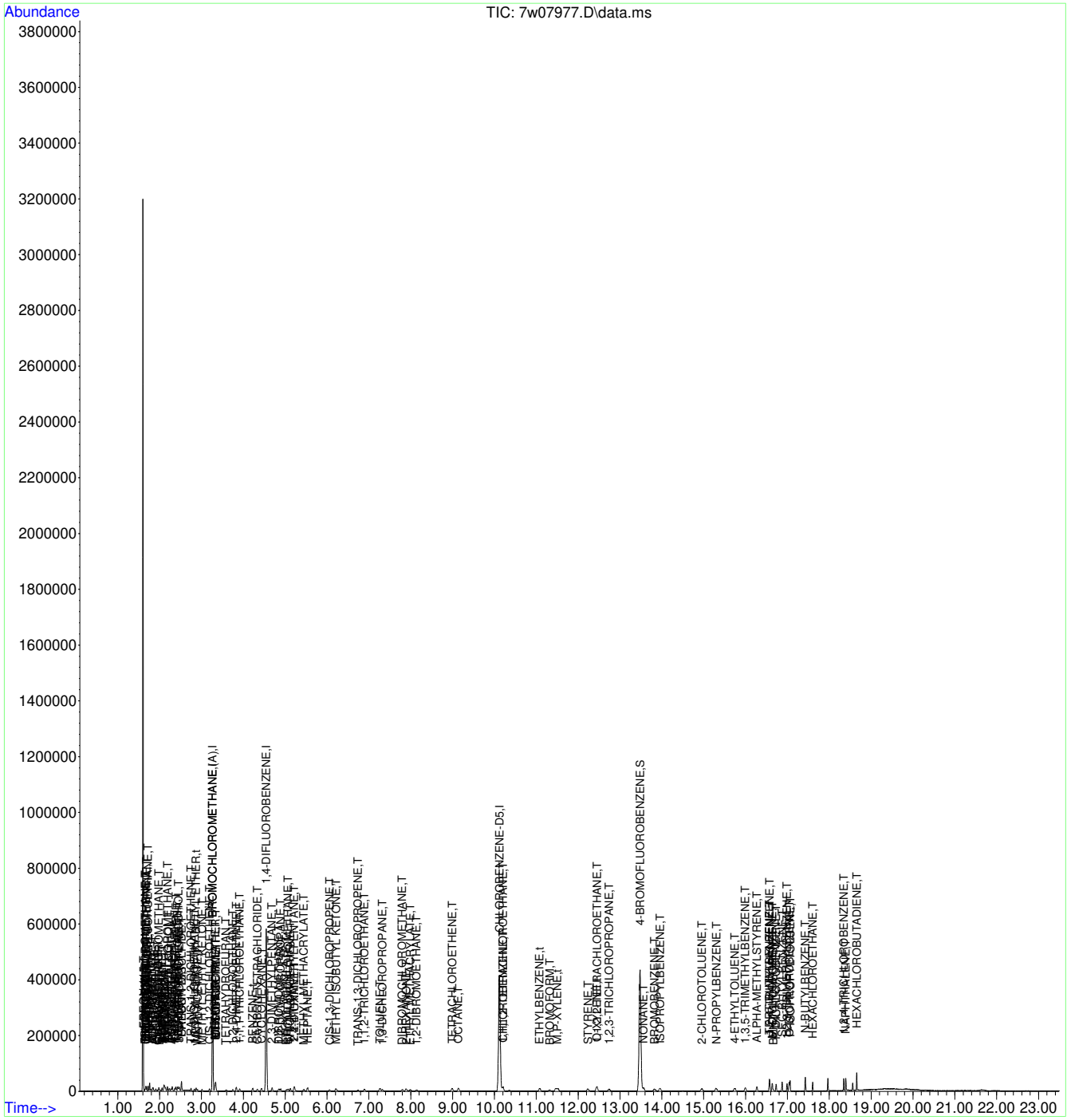
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07977.D
Acq On : 18 Aug 2024 10:49 pm
Operator : benk
Sample : ic305-0.20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 02:24:09 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:32 2024
Response via : Initial Calibration



Manual Integration Approval Summary

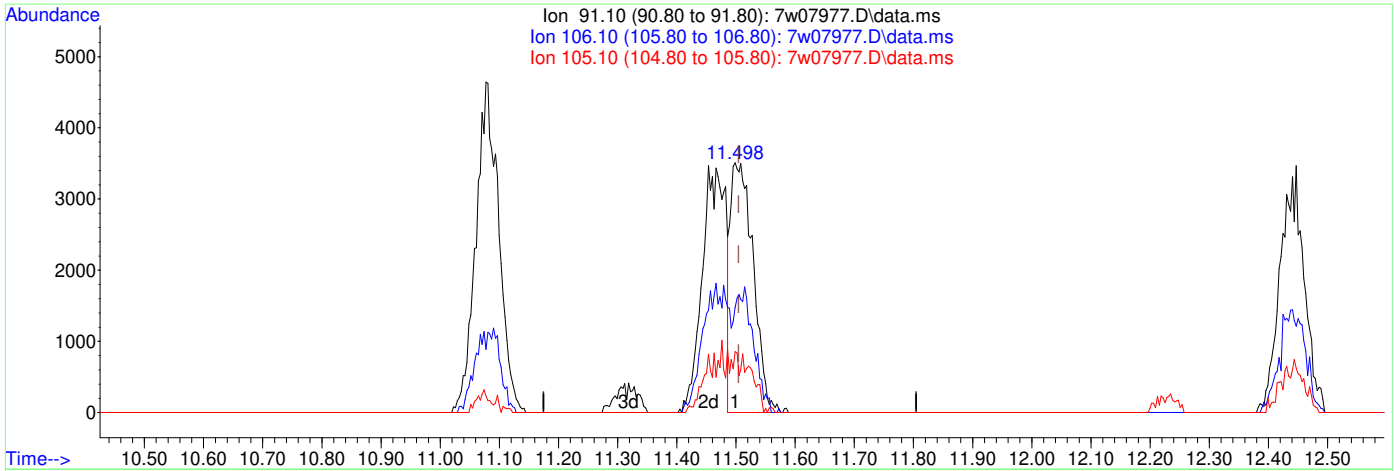
Sample Number:	V7W305-IC305	**Method:**	TO-15
Lab FileID:	7W07977.D	**Analyst approved:**	08/19/24 09:06 Benjamin Kim
Injection Time:	08/18/24 22:49	**Supervisor approved:**	08/19/24 10:53 Kanya Veerawat

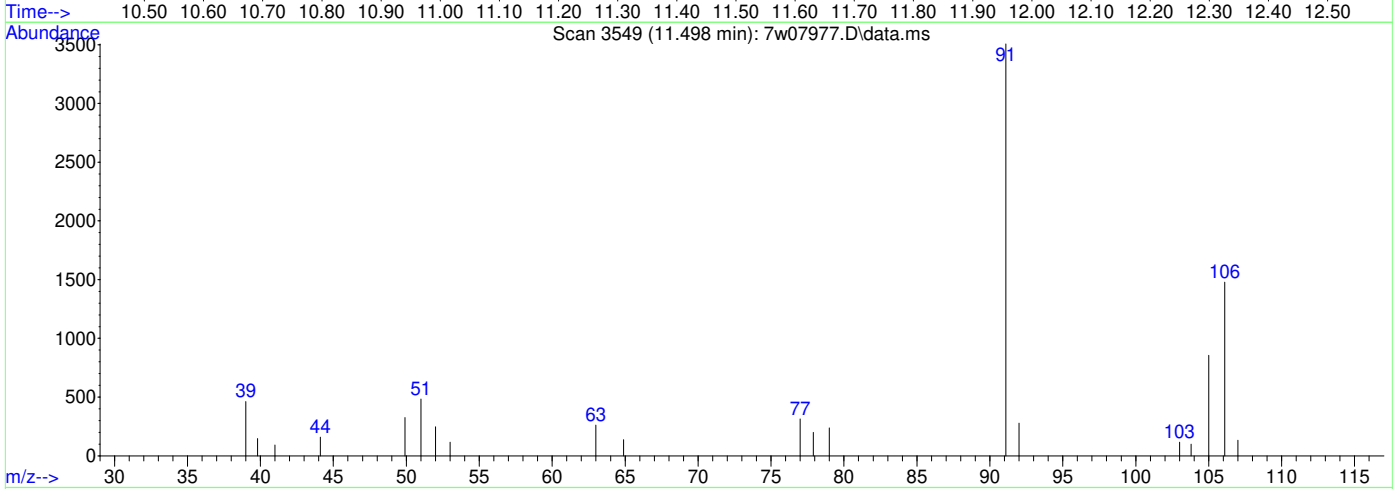
Parameter	CAS	Sig#	R.T. (min.)	Reason
m,p-Xylene			11.50	Split peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07977.D
Acq On : 18 Aug 2024 10:49 pm
Operator : benk
Sample : ic305-0.20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 00:48:57 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:32 2024
Response via : Initial Calibration





TIC: 7w07977.D\data.ms

(80) M,P-XYLENE (t)

11.498min (-0.006) 0.22PPBV

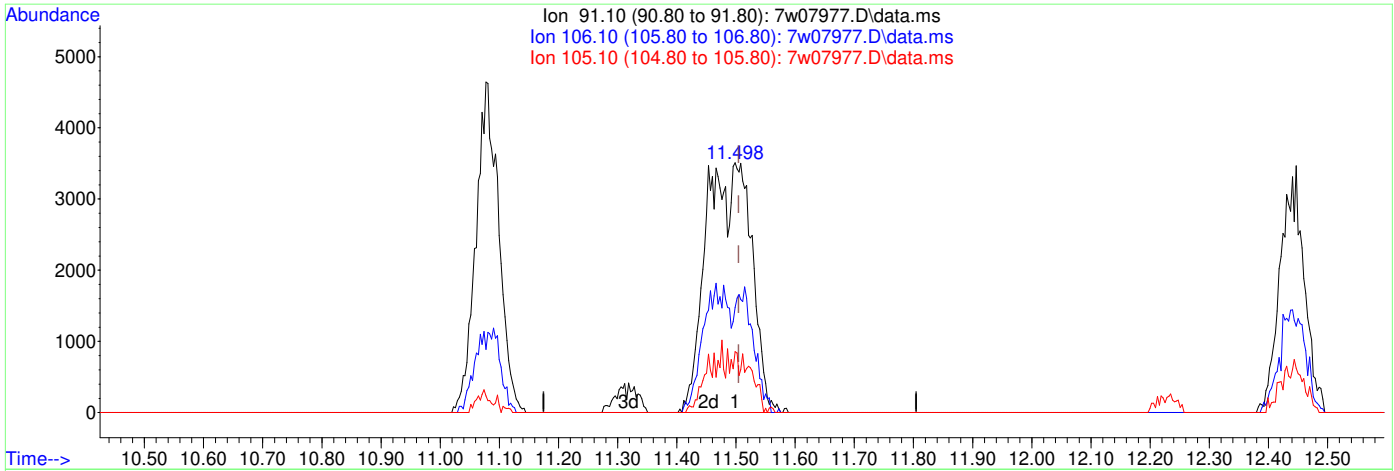
response 9375

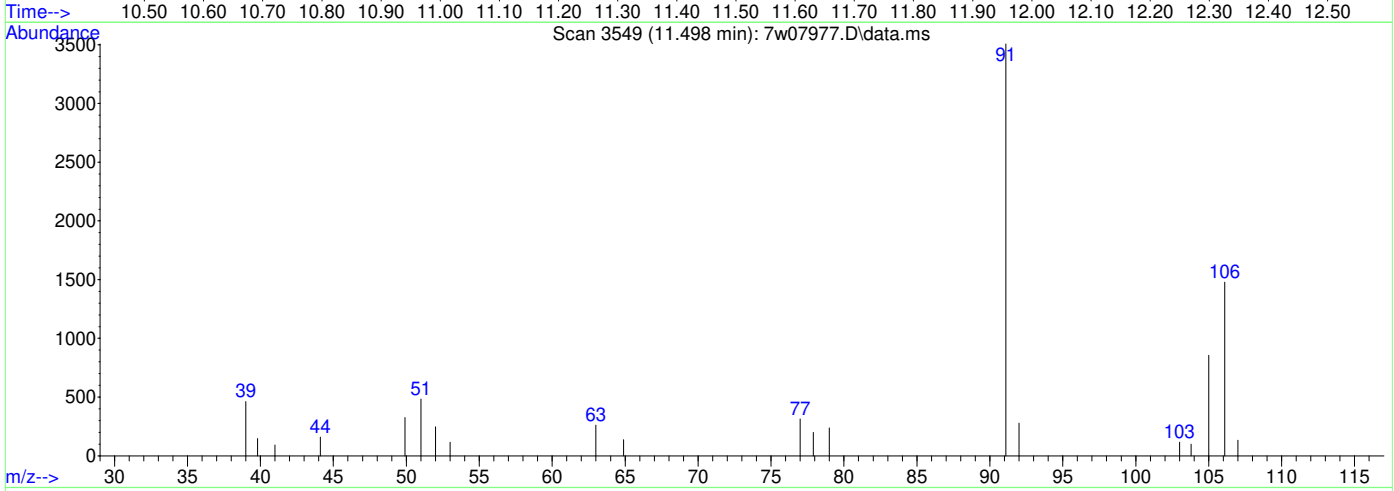
Ion	Exp%	Act%
91.10	100	100
106.10	24.00	41.98
105.10	11.30	13.41
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07977.D
Acq On : 18 Aug 2024 10:49 pm
Operator : benk
Sample : ic305-0.20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 00:48:57 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:32 2024
Response via : Initial Calibration





TIC: 7w07977.D\data.ms

(80) M,P-XYLENE (t)

11.498min (-0.006) 0.43PPBV m

response 18766

Ion	Exp%	Act%
91.10	100	100
106.10	24.00	20.97
105.10	11.30	6.70
0.00	0.00	0.00

7W07977.D edits: M,P-XYLENE

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 08/19/24 10:53

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07978.D
Acq On : 18 Aug 2024 11:22 pm
Operator : benk
Sample : ic305-0.50
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 09:50:56 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:01 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.267	128	79966	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.547	114	410941	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.119	117	362110	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.267	128	79966	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.482	95	262037	9.71	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.615	119	5861	0.54	PPBV		96
3) FREON 152A	1.644	65	3003	0.50	PPBV		95
4) CHLORODIFLUOROMETHANE	1.656	67	1485	0.58	PPBV		100
5) CHLOROTRIFLUOROETHENE	1.669	116	6805	0.55	PPBV		92
6) DICHLORODIFLUOROMETHANE	1.685	85	16795	0.46	PPBV		99
7) PROPYLENE	1.666	41	3977	0.50	PPBV		97
8) 1-CHLORO-1,1-DIFLUOROE...	1.724	65	14549	0.46	PPBV		96
9) FREON 114	1.759	85	15134	0.48	PPBV		99
10) CHLOROMETHANE	1.730	52	2035	0.41	PPBV		95
11) VINYL CHLORIDE	1.792	62	6673	0.44	PPBV		99
12) 1,3-BUTADIENE	1.830	54	5500	0.43	PPBV		95
13) N-BUTANE	1.846	43	10568	0.42	PPBV	#	90
14) BROMOMETHANE	1.907	94	5484	0.48	PPBV		99
15) CHLOROETHANE	1.956	64	3547	0.44	PPBV		94
16) DICHLOROFLUOROMETHANE	1.981	67	13608	0.47	PPBV		99
17) ACETONITRILE	2.052	41	6551	0.44	PPBV		92
18) ACROLEIN	2.094	56	3046	0.40	PPBV		95
19) FREON 123	2.103	83	13299	0.42	PPBV		99
20) FREON 123A	2.119	117	8058	0.46	PPBV		98
21) TRICHLOROFLUOROMETHANE	2.184	101	15424	0.46	PPBV		99
22) ISOPROPYL ALCOHOL	2.226	45	14044	0.37	PPBV		99
23) ACETONE	2.139	58	4080	0.40	PPBV		97
24) PENTANE	2.303	42	7472	0.39	PPBV		98
25) IODOMETHANE	2.361	142	13827	0.46	PPBV		99
26) 1,1-DICHLOROETHYLENE	2.390	96	5730	0.43	PPBV		97
27) CARBON DISULFIDE	2.525	76	16067	0.43	PPBV	#	66
28) ETHANOL	1.994	45	4627	0.45	PPBV	#	97
29) BROMOETHENE	2.058	106	5247	0.44	PPBV		96
30) ACRYLONITRILE	2.274	52	5669	0.41	PPBV		94
31) METHYLENE CHLORIDE	2.425	84	5894	0.48	PPBV		95
32) 3-CHLOROPROPENE	2.470	76	2755	0.38	PPBV	#	37
33) FREON 113	2.521	151	8992	0.46	PPBV		99
34) TRANS-1,2-DICHLOROETHENE	2.753	96	5687	0.48	PPBV		99
35) TERTIARY BUTYL ALCOHOL	2.444	59	13081	0.39	PPBV	#	64
36) METHYL TERTIARY BUTYL ...	2.872	73	13772	0.51	PPBV		95
37) TETRAHYDROFURAN	3.576	72	2595	0.57	PPBV		96
38) HEXANE	3.319	57	10976	0.50	PPBV		98
39) VINYL ACETATE	2.898	86	1009	0.43	PPBV	#	29
40) 1,1-DICHLOROETHANE	2.827	63	10432	0.51	PPBV		100
41) METHYL ETHYL KETONE	3.010	72	2909	0.56	PPBV		96
42) CIS-1,2-DICHLOROETHENE	3.190	96	6101	0.59	PPBV		93
43) DIISOPROPYL ETHER	3.338	59	3049	0.51	PPBV		98
44) ETHYL ACETATE	3.341	61	2059	0.51	PPBV		90
45) METHYL ACRYLATE	3.322	55	12344	0.48	PPBV		97
46) CHLOROFORM	3.341	83	12161	0.57	PPBV		97
47) 2,4-DIMETHYLPENTANE	3.833	57	12901	0.55	PPBV		99
48) 1,1,1-TRICHLOROETHANE	3.910	97	10591	0.52	PPBV		98
49) CARBON TETRACHLORIDE	4.335	117	10121	0.53	PPBV		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07978.D
Acq On : 18 Aug 2024 11:22 pm
Operator : benk
Sample : ic305-0.50
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 09:50:56 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:01 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	3.746	62	9567	0.57	PPBV		98
51)	BENZENE	4.219	78	17995	0.55	PPBV		99
53)	CYCLOHEXANE	4.431	84	7811	0.56	PPBV		99
54)	2,3-DIMETHYLPENTANE	4.685	71	4068	0.57	PPBV		100
55)	TRICHLOROETHENE	5.119	95	8046	0.54	PPBV		98
56)	1,2-DICHLOROPROPANE	4.888	63	7243	0.52	PPBV		98
57)	DIBROMOMETHANE	4.849	174	6875	0.51	PPBV		98
58)	ETHYL ACRYLATE	5.023	55	14562	0.49	PPBV		99
59)	BROMODICHLOROMETHANE	5.068	83	11794	0.51	PPBV		91
60)	2,2,4-TRIMETHYLPENTANE	5.213	57	35817	0.52	PPBV		99
61)	1,4-DIOXANE	5.209	88	5137	0.55	PPBV	#	6
62)	HEPTANE	5.534	43	12581	0.52	PPBV		99
63)	METHYL METHACRYLATE	5.441	69	6275	0.51	PPBV		98
64)	METHYL ISOBUTYL KETONE	6.196	58	7744	0.52	PPBV		98
65)	CIS-1,3-DICHLOROPROPENE	6.058	75	8234	0.44	PPBV		96
66)	TOLUENE	7.261	91	22485	0.55	PPBV		100
67)	1,3-DICHLOROPROPANE	7.322	76	11161	0.55	PPBV		99
68)	TRANS-1,3-DICHLOROPROPENE	6.743	75	5585	0.36	PPBV		94
69)	1,1,2-TRICHLOROETHANE	6.894	83	6324	0.55	PPBV		99
70)	2-HEXANONE	7.878	58	12049	0.43	PPBV		98
71)	ETHYL METHACRYLATE	7.981	69	9663	0.47	PPBV		95
72)	TETRACHLOROETHENE	8.997	164	7989	0.51	PPBV		98
73)	DIBROMOCHLOROMETHANE	7.795	129	10588	0.54	PPBV		98
74)	1,2-DIBROMOETHANE	8.132	107	10784	0.55	PPBV	#	100
75)	OCTANE	9.139	43	17732	0.53	PPBV		99
77)	1,1,1,2-TETRACHLOROETHANE	10.203	131	7115	0.46	PPBV		99
78)	CHLOROBENZENE	10.200	112	18568	0.58	PPBV		97
79)	ETHYLBENZENE	11.081	91	30468	0.51	PPBV		99
80)	M,P-XYLENE	11.508	91	46842m	1.05	PPBV		
81)	O-XYLENE	12.444	91	23828	0.59	PPBV		94
82)	STYRENE	12.225	104	17160	0.60	PPBV		99
83)	NONANE	13.560	43	19013	0.55	PPBV		98
84)	BROMOFORM	11.315	173	9340	0.52	PPBV		97
85)	1,1,2,2-TETRACHLOROETHANE	12.450	83	16754	0.57	PPBV		98
86)	1,2,3-TRICHLOROPROPANE	12.736	75	13531	0.60	PPBV	#	99
88)	ISOPROPYLBENZENE	13.945	120	8698	0.54	PPBV		96
89)	BROMOBENZENE	13.820	77	17048	0.58	PPBV		97
90)	2-CHLOROTOLUENE	14.955	126	8051	0.55	PPBV		99
91)	N-PROPYLBENZENE	15.302	120	9156	0.58	PPBV		100
92)	4-ETHYLTOLUENE	15.746	105	32633	0.53	PPBV	#	97
93)	1,3,5-TRIMETHYLBENZENE	15.994	105	27233	0.51	PPBV		99
94)	ALPHA-METHYLSTYRENE	16.267	118	13680	0.52	PPBV		96
95)	TERT-BUTYLBENZENE	16.569	134	6648	0.48	PPBV		97
96)	1,2,4-TRIMETHYLBENZENE	16.579	105	28271	0.50	PPBV		98
97)	BENZYL CHLORIDE	16.666	91	6446	0.26	PPBV		97
98)	M-DICHLOROBENZENE	16.640	146	18160	0.52	PPBV		99
99)	P-DICHLOROBENZENE	16.730	146	18687	0.53	PPBV		99
100)	O-DICHLOROBENZENE	17.042	146	17767	0.53	PPBV		99
101)	SEC-BUTYLBENZENE	16.875	134	8265	0.51	PPBV		95
102)	1,2,3-TRIMETHYLBENZENE	16.990	105	27828	0.52	PPBV		100
103)	P-ISOPROPYLTOLUENE	17.064	134	8738	0.50	PPBV		97
104)	N-BUTYLBENZENE	17.424	134	8723	0.53	PPBV		100
105)	HEXACHLOROETHANE	17.604	117	6412	0.37	PPBV		99
106)	HEXACHLOROBUTADIENE	18.659	225	12496	0.54	PPBV		99
107)	1,2,4-TRICHLOROBENZENE	18.350	180	16068	0.91	PPBV		98
108)	NAPHTHALENE	18.395	128	47796	1.26	PPBV		100
110)	TVHC as equiv Pentane	2.303	TIC	40854	0.48	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07978.D
Acq On : 18 Aug 2024 11:22 pm
Operator : benk
Sample : ic305-0.50
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 09:50:56 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:01 2024
Response via : Initial Calibration

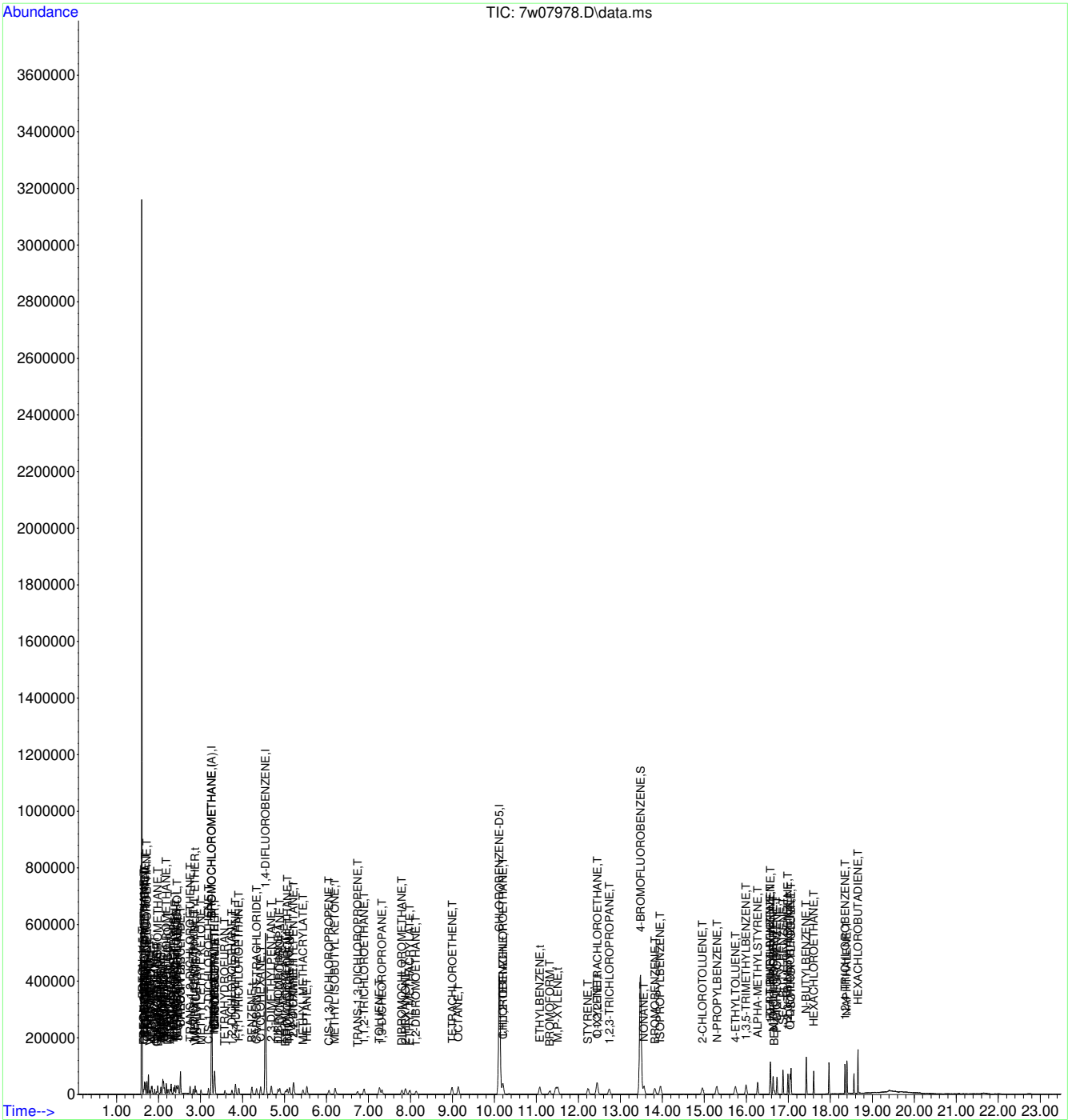
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07978.D
Acq On : 18 Aug 2024 11:22 pm
Operator : benk
Sample : ic305-0.50
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 09:50:56 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:01 2024
Response via : Initial Calibration



Manual Integration Approval Summary

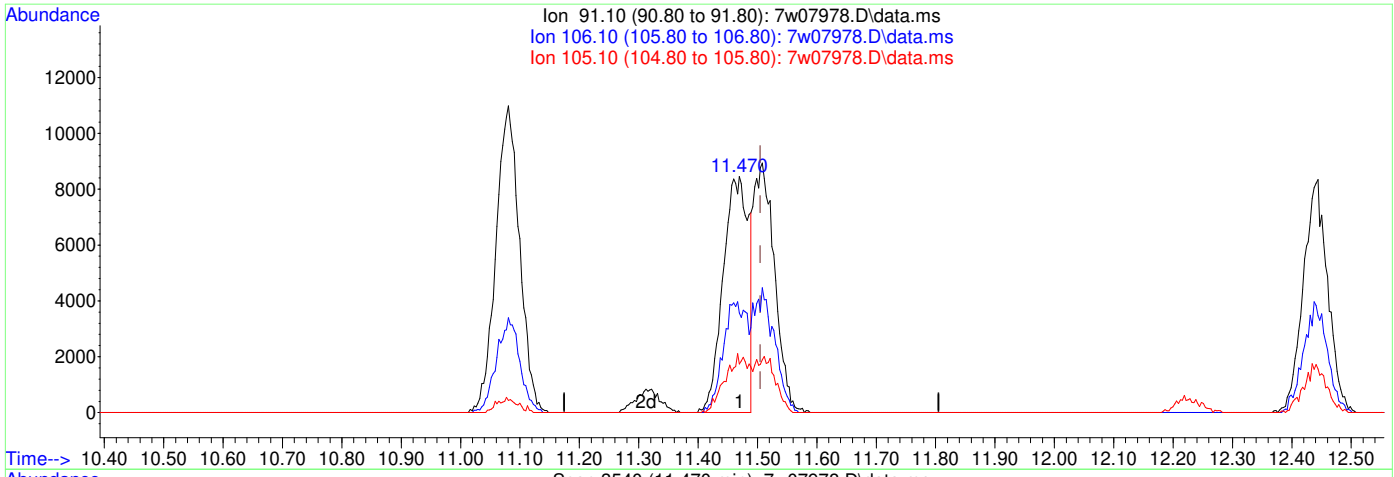
Sample Number:	V7W305-IC305	**Method:**	TO-15
Lab FileID:	7W07978.D	**Analyst approved:**	08/19/24 10:01 Benjamin Kim
Injection Time:	08/18/24 23:22	**Supervisor approved:**	08/19/24 10:53 Kanya Veerawat

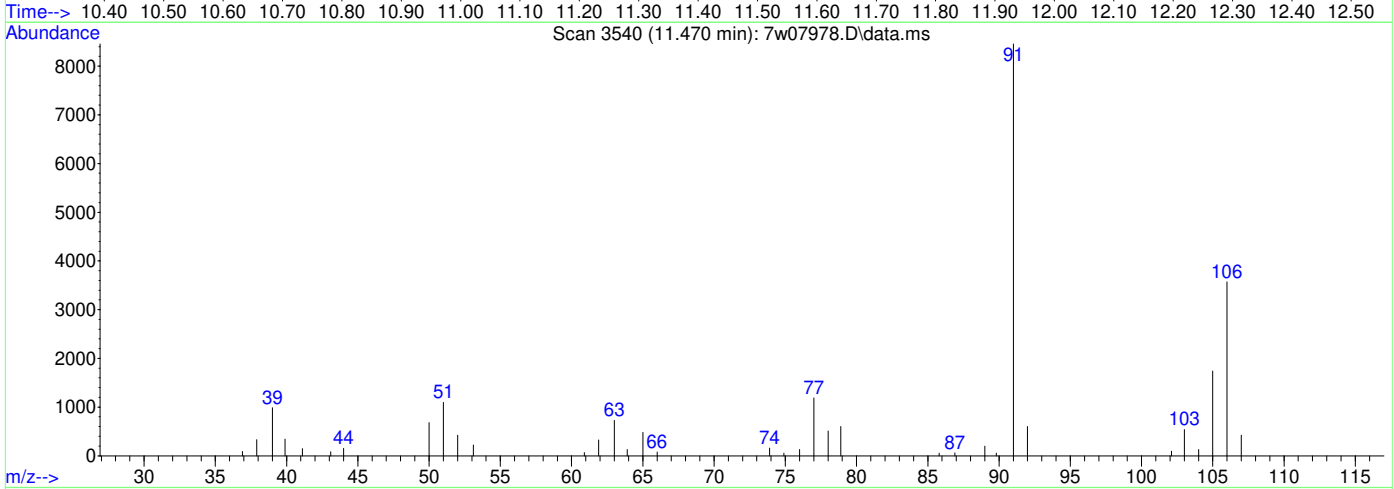
Parameter	CAS	Sig#	R.T. (min.)	Reason
m,p-Xylene			11.51	Split peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07978.D
Acq On : 18 Aug 2024 11:22 pm
Operator : benk
Sample : ic305-0.50
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 00:48:15 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:01 2024
Response via : Initial Calibration





TIC: 7w07978.D\data.ms

(80) M,P-XYLENE (t)

11.470min (-0.035) 0.56PPBV

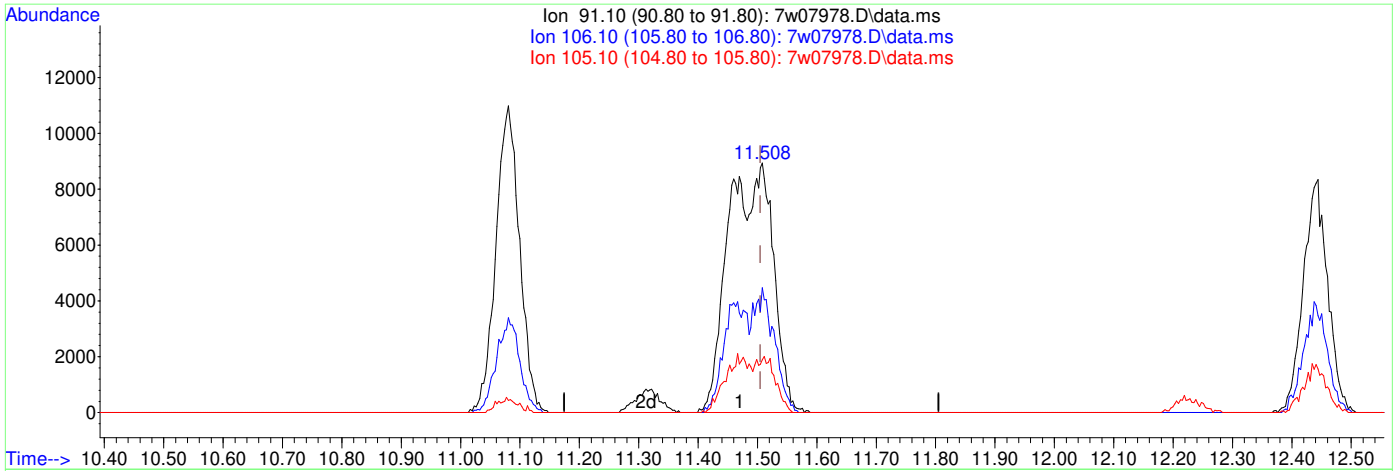
response 25047

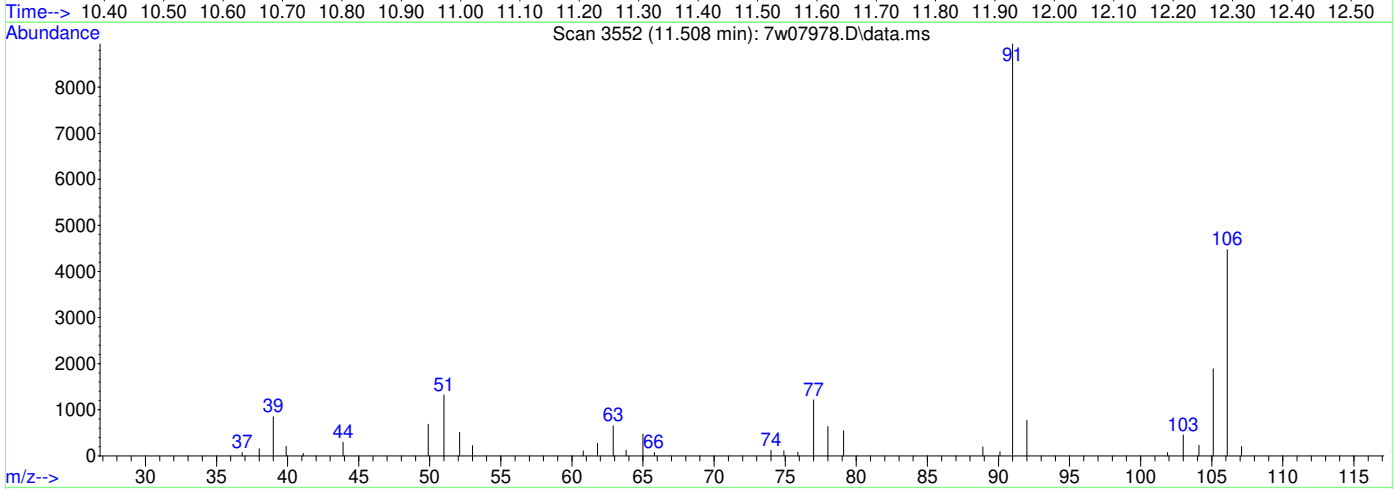
Ion	Exp%	Act%
91.10	100	100
106.10	24.00	46.05
105.10	11.30	22.58
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07978.D
Acq On : 18 Aug 2024 11:22 pm
Operator : benk
Sample : ic305-0.50
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 00:48:15 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:01 2024
Response via : Initial Calibration





TIC: 7w07978.D\data.ms

(80) M,P-XYLENE (t)

11.508min (+0.003) 1.05PPBV m

response 46842

Ion	Exp%	Act%
91.10	100	100
106.10	24.00	24.63
105.10	11.30	12.07
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 08/19/24 10:53

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07979.D
Acq On : 19 Aug 2024 12:01 am
Operator : benk
Sample : ic305-5
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 04:18:27 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Jul 22 10:39:47 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.267	128	81466	10.00	PPBV	#	0.00
52) 1,4-DIFLUOROBENZENE	4.547	114	410025	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.119	117	361102	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.267	128	81464	10.00	PPBV	#	0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.479	95	265954	9.38	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.618	119	27379	2.27	PPBV		97
3) FREON 152A	1.647	65	29000	4.67	PPBV		99
4) CHLORODIFLUOROMETHANE	1.659	67	13506	5.10	PPBV		96
5) CHLOROTRIFLUOROETHENE	1.672	116	64600	5.12	PPBV		85
6) DICHLORODIFLUOROMETHANE	1.688	85	169247	4.50	PPBV		98
7) PROPYLENE	1.669	41	38377	4.63	PPBV		99
8) 1-CHLORO-1,1-DIFLUOROE...	1.727	65	140419	4.23	PPBV		96
9) FREON 114	1.762	85	149365	4.52	PPBV		98
10) CHLOROMETHANE	1.733	52	19771	3.76	PPBV		100
11) VINYL CHLORIDE	1.795	62	65999	4.14	PPBV		99
12) 1,3-BUTADIENE	1.833	54	54080	3.99	PPBV		98
13) N-BUTANE	1.849	43	100820	3.83	PPBV		98
14) BROMOMETHANE	1.910	94	51811	4.31	PPBV		99
15) CHLOROETHANE	1.958	64	34723	4.05	PPBV		92
16) DICHLOROFLUOROMETHANE	1.984	67	132874	4.38	PPBV		98
17) ACETONITRILE	2.055	41	57811	3.60	PPBV		100
18) ACROLEIN	2.094	56	31088	3.87	PPBV		99
19) FREON 123	2.106	83	133098	3.98	PPBV		99
20) FREON 123A	2.122	117	80453	4.36	PPBV		93
21) TRICHLOROFLUOROMETHANE	2.187	101	152287	4.27	PPBV		99
22) ISOPROPYL ALCOHOL	2.219	45	129156	3.14	PPBV		99
23) ACETONE	2.135	58	35696	3.28	PPBV		100
24) PENTANE	2.303	42	71675	3.46	PPBV		97
25) IODOMETHANE	2.364	142	138967	4.41	PPBV		98
26) 1,1-DICHLOROETHYLENE	2.393	96	56736	4.02	PPBV		90
27) CARBON DISULFIDE	2.524	76	164494	4.33	PPBV		99
28) ETHANOL	1.994	45	36651	3.31	PPBV		97
29) BROMOETHENE	2.061	106	51262	4.10	PPBV		99
30) ACRYLONITRILE	2.277	52	52972	3.56	PPBV		99
31) METHYLENE CHLORIDE	2.428	84	51833	3.97	PPBV		86
32) 3-CHLOROPROPENE	2.470	76	28290	3.74	PPBV		84
33) FREON 113	2.524	151	89281	4.48	PPBV		100
34) TRANS-1,2-DICHLOROETHENE	2.753	96	52868	4.38	PPBV		93
35) TERTIARY BUTYL ALCOHOL	2.431	59	116326	3.23	PPBV		97
36) METHYL TERTIARY BUTYL ...	2.868	73	136515	4.93	PPBV		100
37) TETRAHYDROFURAN	3.563	72	27131	5.79	PPBV		90
38) HEXANE	3.319	57	108490	4.76	PPBV		99
39) VINYL ACETATE	2.901	86	11696	4.81	PPBV		88
40) 1,1-DICHLOROETHANE	2.830	63	102265	4.89	PPBV		99
41) METHYL ETHYL KETONE	3.000	72	28364	5.37	PPBV		82
42) CIS-1,2-DICHLOROETHENE	3.190	96	57628	5.43	PPBV		95
43) DIISOPROPYL ETHER	3.328	59	30846	4.96	PPBV		96
44) ETHYL ACETATE	3.331	61	21833	5.20	PPBV		90
45) METHYL ACRYLATE	3.319	55	128213	4.81	PPBV	#	100
46) CHLOROFORM	3.341	83	118312	5.38	PPBV		97
47) 2,4-DIMETHYLPENTANE	3.833	57	123753	5.06	PPBV		98
48) 1,1,1-TRICHLOROETHANE	3.913	97	103061	4.93	PPBV		99
49) CARBON TETRACHLORIDE	4.338	117	104096	5.26	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07979.D
Acq On : 19 Aug 2024 12:01 am
Operator : benk
Sample : ic305-5
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 04:18:27 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Jul 22 10:39:47 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	3.749	62	90936	5.26	PPBV		99
51)	BENZENE	4.225	78	171826	5.13	PPBV		96
53)	CYCLOHEXANE	4.434	84	75178	5.37	PPBV		93
54)	2,3-DIMETHYLPENTANE	4.688	71	39970	5.61	PPBV		86
55)	TRICHLOROETHENE	5.119	95	78664	5.28	PPBV		99
56)	1,2-DICHLOROPROPANE	4.888	63	70308	4.98	PPBV		97
57)	DIBROMOMETHANE	4.849	174	65118	4.79	PPBV		99
58)	ETHYL ACRYLATE	5.013	55	152697	5.12	PPBV		100
59)	BROMODICHLOROMETHANE	5.068	83	124366	5.39	PPBV		99
60)	2,2,4-TRIMETHYLPENTANE	5.216	57	349151	5.05	PPBV		98
61)	1,4-DIOXANE	5.164	88	45840	4.97	PPBV	#	83
62)	HEPTANE	5.534	43	121341	4.96	PPBV		97
63)	METHYL METHACRYLATE	5.434	69	65132	5.30	PPBV		92
64)	METHYL ISOBUTYL KETONE	6.183	58	74156	4.92	PPBV		95
65)	CIS-1,3-DICHLOROPROPENE	6.058	75	91819	4.90	PPBV		98
66)	TOLUENE	7.264	91	218857	5.36	PPBV		99
67)	1,3-DICHLOROPROPANE	7.322	76	110082	5.46	PPBV		99
68)	TRANS-1,3-DICHLOROPROPENE	6.733	75	66745	4.27	PPBV		99
69)	1,1,2-TRICHLOROETHANE	6.894	83	62252	5.39	PPBV		98
70)	2-HEXANONE	7.855	58	112276	4.02	PPBV		97
71)	ETHYL METHACRYLATE	7.974	69	105592	5.14	PPBV		94
72)	TETRACHLOROETHENE	8.990	164	77784	4.95	PPBV		96
73)	DIBROMOCHLOROMETHANE	7.794	129	118229	5.98	PPBV		99
74)	1,2-DIBROMOETHANE	8.138	107	111886	5.67	PPBV		99
75)	OCTANE	9.142	43	173169	5.12	PPBV		96
77)	1,1,1,2-TETRACHLOROETHANE	10.206	131	78566	5.10	PPBV		98
78)	CHLOROBENZENE	10.196	112	183185	5.81	PPBV		99
79)	ETHYLBENZENE	11.080	91	299317	4.99	PPBV		100
80)	M,P-XYLENE	11.505	91	464302	10.48	PPBV		99
81)	O-XYLENE	12.437	91	236267	5.90	PPBV		97
82)	STYRENE	12.228	104	177117	6.24	PPBV		99
83)	NONANE	13.563	43	187166	5.08	PPBV		97
84)	BROMOFORM	11.315	173	101100	5.63	PPBV		97
85)	1,1,2,2-TETRACHLOROETHANE	12.453	83	172204	5.90	PPBV		99
86)	1,2,3-TRICHLOROPROPANE	12.736	75	133990	6.07	PPBV		100
88)	ISOPROPYLBENZENE	13.955	120	89542	5.64	PPBV		98
89)	BROMOBENZENE	13.823	77	164898	5.71	PPBV		96
90)	2-CHLOROTOLUENE	14.952	126	80136	5.58	PPBV		100
91)	N-PROPYLBENZENE	15.296	120	93644	5.99	PPBV		100
92)	4-ETHYLTOLUENE	15.739	105	338018	5.58	PPBV		99
93)	1,3,5-TRIMETHYLBENZENE	15.997	105	282963	5.41	PPBV		99
94)	ALPHA-METHYLSTYRENE	16.270	118	143668	5.58	PPBV		100
95)	TERT-BUTYLBENZENE	16.569	134	67157	4.95	PPBV		99
96)	1,2,4-TRIMETHYLBENZENE	16.578	105	296095	5.30	PPBV		99
97)	BENZYL CHLORIDE	16.669	91	79381m	3.20	PPBV		
98)	M-DICHLOROBENZENE	16.640	146	187655	5.45	PPBV		99
99)	P-DICHLOROBENZENE	16.730	146	191562	5.55	PPBV		99
100)	O-DICHLOROBENZENE	17.045	146	181198	5.52	PPBV		99
101)	SEC-BUTYLBENZENE	16.874	134	84088	5.29	PPBV		93
102)	1,2,3-TRIMETHYLBENZENE	16.990	105	287527	5.46	PPBV		99
103)	P-ISOPROPYLTOLUENE	17.064	134	92888	5.44	PPBV		95
104)	N-BUTYLBENZENE	17.424	134	93747	5.91	PPBV		98
105)	HEXACHLOROETHANE	17.604	117	82010	4.77	PPBV		96
106)	HEXACHLOROBUTADIENE	18.662	225	132649	5.96	PPBV		100
107)	1,2,4-TRICHLOROBENZENE	18.350	180	178283	11.97	PPBV		99
108)	NAPHTHALENE	18.398	128	477399	16.43	PPBV		100
110)	TVHC as equiv Pentane	2.303	TIC	356727	3.90	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07979.D
Acq On : 19 Aug 2024 12:01 am
Operator : benk
Sample : ic305-5
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 04:18:27 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Jul 22 10:39:47 2024
Response via : Initial Calibration

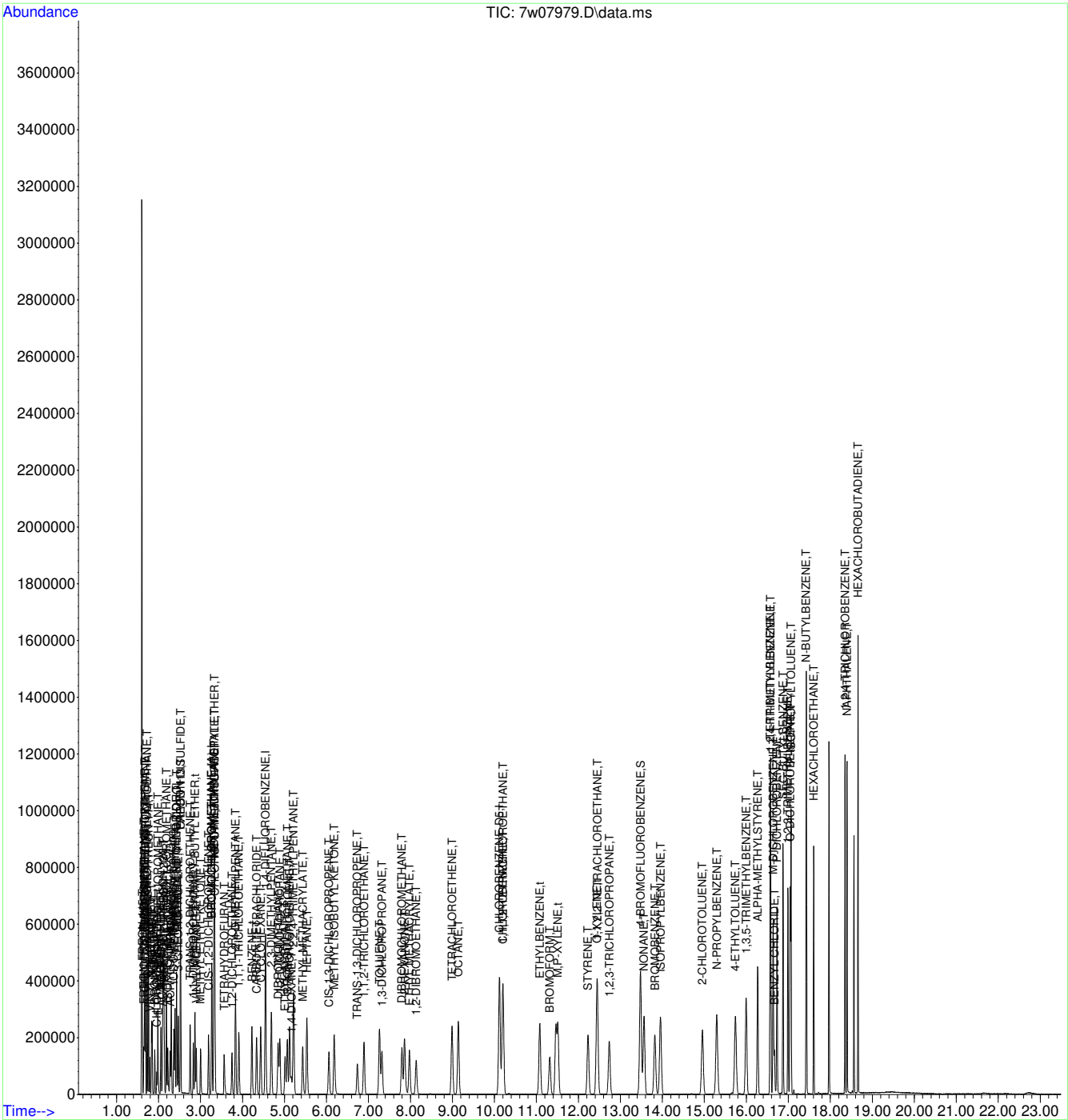
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07979.D
Acq On : 19 Aug 2024 12:01 am
Operator : benk
Sample : ic305-5
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 04:18:27 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Jul 22 10:39:47 2024
Response via : Initial Calibration



Manual Integration Approval Summary

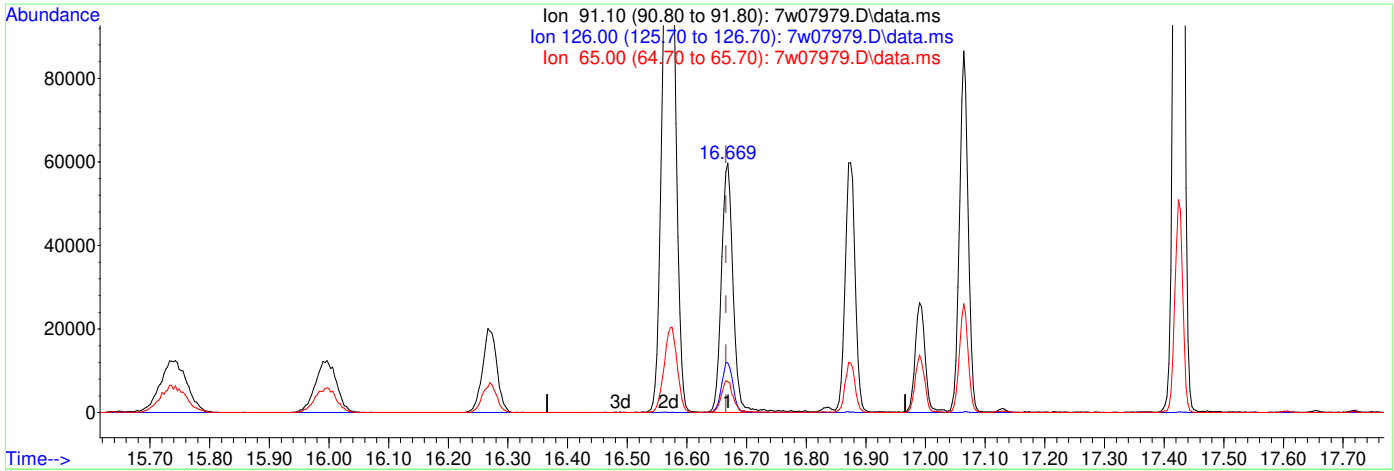
Sample Number:	V7W305-IC305	**Method:**	TO-15
Lab FileID:	7W07979.D	**Analyst approved:**	08/19/24 09:06 Benjamin Kim
Injection Time:	08/19/24 00:01	**Supervisor approved:**	08/19/24 10:53 Kanya Veerawat

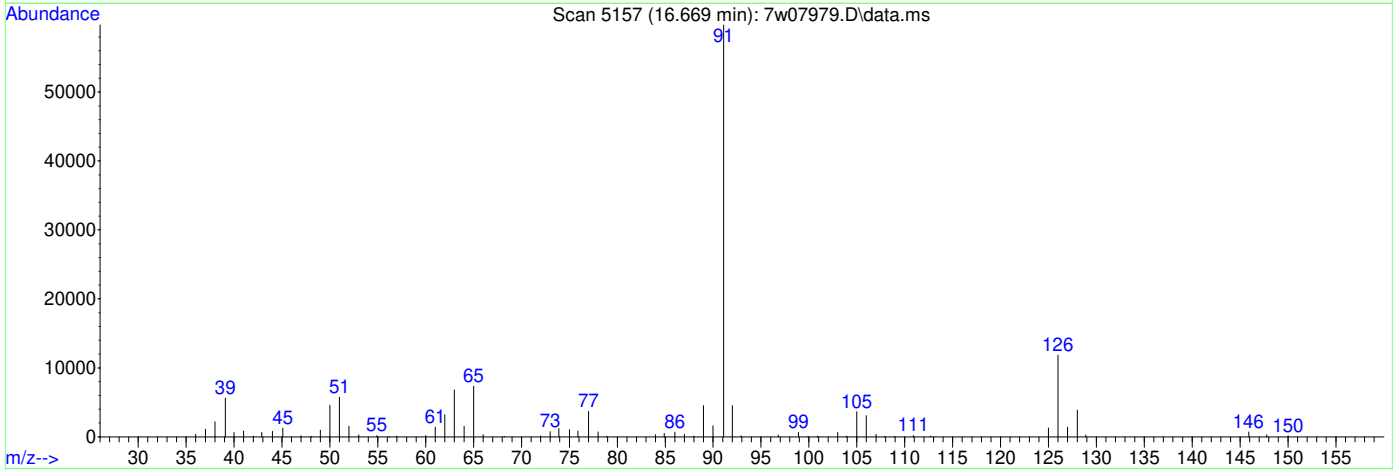
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzyl Chloride	100-44-7		16.67	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07979.D
Acq On : 19 Aug 2024 12:01 am
Operator : benk
Sample : ic305-5
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 00:45:51 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Jul 22 10:39:47 2024
Response via : Initial Calibration





TIC: 7w07979.D\data.ms

(97) BENZYL CHLORIDE (T)

16.669min (+0.003) 3.29PPBV

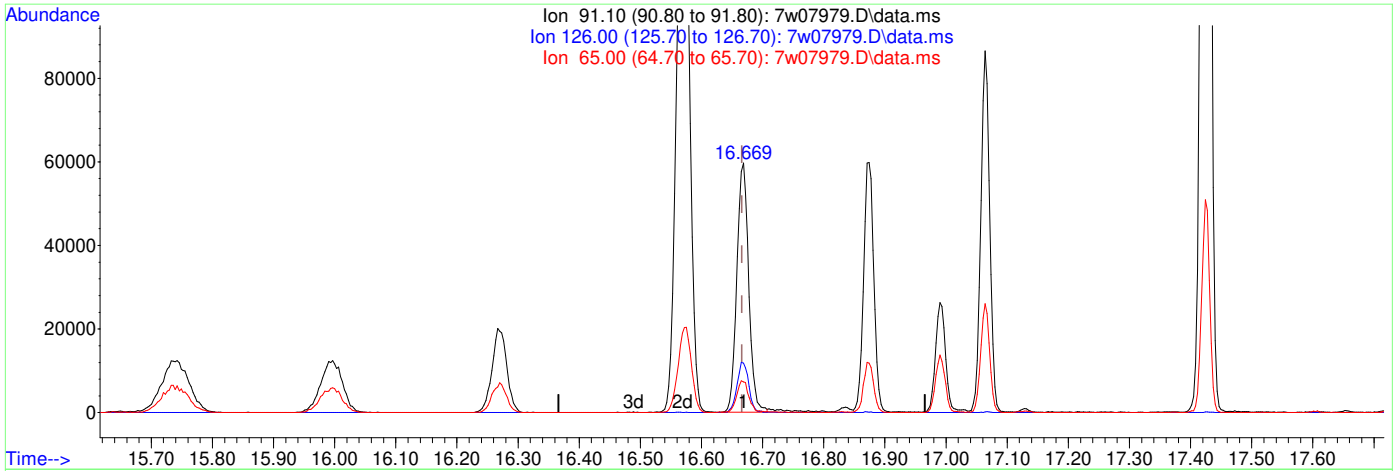
response 81628

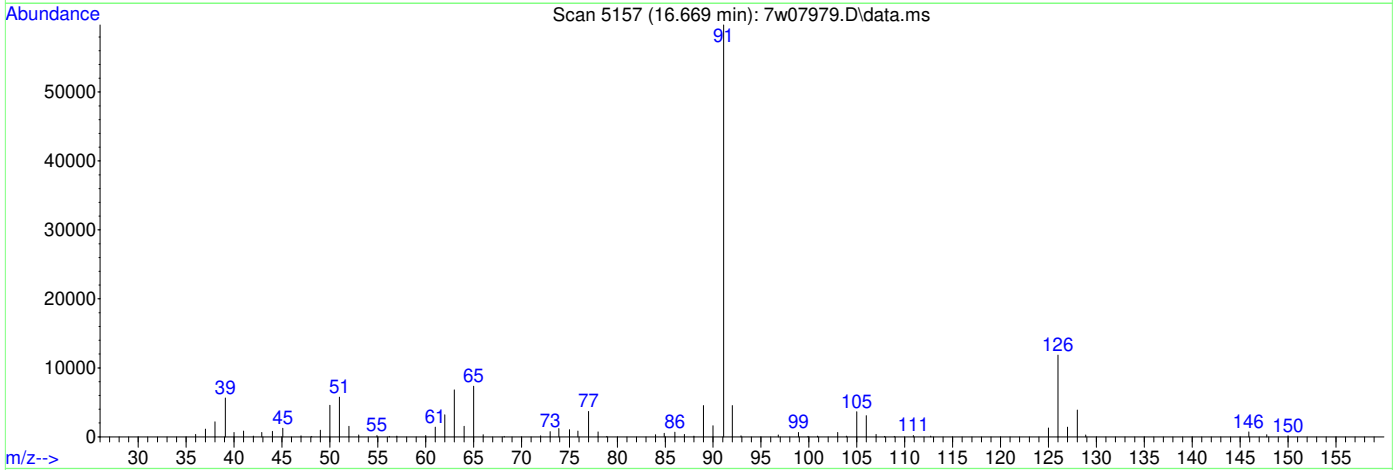
Ion	Exp%	Act%
91.10	100	100
126.00	19.10	19.59
65.00	13.00	13.49
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07979.D
Acq On : 19 Aug 2024 12:01 am
Operator : benk
Sample : ic305-5
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 00:45:51 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Jul 22 10:39:47 2024
Response via : Initial Calibration





TIC: 7w07979.D\data.ms

(97) BENZYL CHLORIDE (T)

16.669min (+0.003) 3.20PPBV m

response 79381

Ion	Exp%	Act%
91.10	100	100
126.00	19.10	20.14
65.00	13.00	13.87
0.00	0.00	0.00

7W07979.D edits: BENZYL CHLORIDE

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 08/19/24 12:13

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07980.D
Acq On : 19 Aug 2024 12:35 am
Operator : benk
Sample : icc305-10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 04:19:31 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:59 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.267	128	76492	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.547	114	388370	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.119	117	349697	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.267	128	76492	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.479	95	254020	9.80	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.618	119	116757	11.94	PPBV		98
3) FREON 152A	1.647	65	56656	10.57	PPBV		97
4) CHLORODIFLUOROMETHANE	1.660	67	27361	10.93	PPBV		96
5) CHLOROTRIFLUOROETHENE	1.669	116	128761	10.75	PPBV		99
6) DICHLORODIFLUOROMETHANE	1.689	85	335263	10.56	PPBV		99
7) PROPYLENE	1.669	41	75194	10.04	PPBV		98
8) 1-CHLORO-1,1-DIFLUOROE...	1.724	65	279768	10.38	PPBV		99
9) FREON 114	1.759	85	296122	10.76	PPBV		99
10) CHLOROMETHANE	1.730	52	38843	9.29	PPBV		98
11) VINYL CHLORIDE	1.791	62	127043	9.96	PPBV		99
12) 1,3-BUTADIENE	1.833	54	107031	9.85	PPBV		99
13) N-BUTANE	1.846	43	198675	10.27	PPBV		99
14) BROMOMETHANE	1.907	94	101510	10.31	PPBV		99
15) CHLOROETHANE	1.955	64	66775	10.09	PPBV		90
16) DICHLOROFLUOROMETHANE	1.981	67	261438	10.74	PPBV		100
17) ACETONITRILE	2.052	41	110740	8.07	PPBV		99
18) ACROLEIN	2.090	56	61192	10.52	PPBV		100
19) FREON 123	2.103	83	262246	9.89	PPBV		100
20) FREON 123A	2.123	117	158704	10.72	PPBV		100
21) TRICHLOROFLUOROMETHANE	2.187	101	302114	10.62	PPBV		99
22) ISOPROPYL ALCOHOL	2.213	45	263534	8.69	PPBV		99
23) ACETONE	2.132	58	66233	6.38	PPBV		97
24) PENTANE	2.303	42	137367	8.83	PPBV		99
25) IODOMETHANE	2.364	142	273231	10.68	PPBV		100
26) 1,1-DICHLOROETHYLENE	2.393	96	111237	9.93	PPBV		99
27) CARBON DISULFIDE	2.525	76	326093	10.12	PPBV		99
28) ETHANOL	1.991	45	67325	6.93	PPBV		98
29) BROMOETHENE	2.058	106	102347	10.02	PPBV		100
30) ACRYLONITRILE	2.274	52	98220	8.85	PPBV		98
31) METHYLENE CHLORIDE	2.428	84	101961	8.72	PPBV		99
32) 3-CHLOROPROPENE	2.470	76	56199	10.18	PPBV		97
33) FREON 113	2.525	151	175840	10.42	PPBV		100
34) TRANS-1,2-DICHLOROETHENE	2.753	96	105154	9.70	PPBV		99
35) TERTIARY BUTYL ALCOHOL	2.418	59	256208	9.59	PPBV		99
36) METHYL TERTIARY BUTYL ...	2.865	73	273836	10.96	PPBV		100
37) TETRAHYDROFURAN	3.557	72	53518	11.75	PPBV		98
38) HEXANE	3.319	57	216582	10.11	PPBV		100
39) VINYL ACETATE	2.898	86	24166	11.82	PPBV		94
40) 1,1-DICHLOROETHANE	2.827	63	200586	10.56	PPBV		100
41) METHYL ETHYL KETONE	2.997	72	55843	11.44	PPBV		100
42) CIS-1,2-DICHLOROETHENE	3.190	96	113715	11.11	PPBV		100
43) DIISOPROPYL ETHER	3.325	59	61463	10.90	PPBV		100
44) ETHYL ACETATE	3.332	61	43829	10.65	PPBV		100
45) METHYL ACRYLATE	3.316	55	258959	10.92	PPBV	#	26
46) CHLOROFORM	3.341	83	237561	11.15	PPBV		99
47) 2,4-DIMETHYLPENTANE	3.833	57	244103	11.02	PPBV		99
48) 1,1,1-TRICHLOROETHANE	3.914	97	211578	10.86	PPBV		98
49) CARBON TETRACHLORIDE	4.335	117	214927	11.14	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07980.D
Acq On : 19 Aug 2024 12:35 am
Operator : benk
Sample : icc305-10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 04:19:31 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:59 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	3.750	62	178327	11.01	PPBV		100
51)	BENZENE	4.225	78	336400	10.79	PPBV		100
53)	CYCLOHEXANE	4.431	84	147216	10.89	PPBV		98
54)	2,3-DIMETHYLPENTANE	4.688	71	78137	11.46	PPBV		99
55)	TRICHLOROETHENE	5.122	95	154777	10.77	PPBV		100
56)	1,2-DICHLOROPROPANE	4.888	63	141313	10.87	PPBV		99
57)	DIBROMOMETHANE	4.846	174	127868	10.56	PPBV		100
58)	ETHYL ACRYLATE	5.010	55	310645	10.93	PPBV		100
59)	BROMODICHLOROMETHANE	5.068	83	251956	11.60	PPBV		100
60)	2,2,4-TRIMETHYLPENTANE	5.216	57	676160	10.55	PPBV		99
61)	1,4-DIOXANE	5.151	88	83819	11.15	PPBV	#	96
62)	HEPTANE	5.534	43	238681	10.47	PPBV		100
63)	METHYL METHACRYLATE	5.431	69	129938	10.97	PPBV		98
64)	METHYL ISOBUTYL KETONE	6.177	58	138927	9.69	PPBV		99
65)	CIS-1,3-DICHLOROPROPENE	6.058	75	192427	11.23	PPBV		99
66)	TOLUENE	7.264	91	436862	11.04	PPBV		99
67)	1,3-DICHLOROPROPANE	7.322	76	219919	11.36	PPBV		99
68)	TRANS-1,3-DICHLOROPROPENE	6.737	75	146931	10.87	PPBV		99
69)	1,1,2-TRICHLOROETHANE	6.894	83	123244	11.28	PPBV		100
70)	2-HEXANONE	7.852	58	202098	9.26	PPBV		100
71)	ETHYL METHACRYLATE	7.974	69	213857	11.04	PPBV		99
72)	TETRACHLOROETHENE	8.994	164	152491	10.19	PPBV		99
73)	DIBROMOCHLOROMETHANE	7.798	129	244347	12.50	PPBV		99
74)	1,2-DIBROMOETHANE	8.138	107	227562	11.69	PPBV		99
75)	OCTANE	9.142	43	342794	10.17	PPBV		100
77)	1,1,1,2-TETRACHLOROETHANE	10.206	131	167229	11.49	PPBV		98
78)	CHLOROBENZENE	10.199	112	365525	11.34	PPBV		99
79)	ETHYLBENZENE	11.084	91	596122	10.36	PPBV		100
80)	M,P-XYLENE	11.511	91	932252	26.23	PPBV		98
81)	O-XYLENE	12.441	91	476187	11.13	PPBV		95
82)	STYRENE	12.228	104	355912	11.49	PPBV		99
83)	NONANE	13.566	43	372829	10.90	PPBV		100
84)	BROMOFORM	11.318	173	218043	12.08	PPBV		100
85)	1,1,2,2-TETRACHLOROETHANE	12.457	83	345869	11.55	PPBV		100
86)	1,2,3-TRICHLOROPROPANE	12.740	75	269044	11.72	PPBV		100
88)	ISOPROPYLBENZENE	13.958	120	177926	10.94	PPBV		99
89)	BROMOBENZENE	13.823	77	331670	11.30	PPBV		99
90)	2-CHLOROTOLUENE	14.955	126	160785	10.94	PPBV		99
91)	N-PROPYLBENZENE	15.296	120	187111	11.29	PPBV		99
92)	4-ETHYLTOLUENE	15.743	105	683113	11.85	PPBV		99
93)	1,3,5-TRIMETHYLBENZENE	15.997	105	568889	10.83	PPBV		100
94)	ALPHA-METHYLSTYRENE	16.273	118	292834	10.97	PPBV		99
95)	TERT-BUTYLBENZENE	16.569	134	135050	10.31	PPBV		98
96)	1,2,4-TRIMETHYLBENZENE	16.579	105	603037	10.60	PPBV		100
97)	BENZYL CHLORIDE	16.669	91	206043m	8.98	PPBV		
98)	M-DICHLOROBENZENE	16.640	146	381391	10.72	PPBV		100
99)	P-DICHLOROBENZENE	16.733	146	385546	10.57	PPBV		100
100)	O-DICHLOROBENZENE	17.045	146	365233	10.52	PPBV		100
101)	SEC-BUTYLBENZENE	16.874	134	172736	10.87	PPBV		98
102)	1,2,3-TRIMETHYLBENZENE	16.990	105	581741	10.62	PPBV		100
103)	P-ISOPROPYLTOLUENE	17.064	134	190250	10.87	PPBV		100
104)	N-BUTYLBENZENE	17.424	134	192133	11.39	PPBV		99
105)	HEXACHLOROETHANE	17.604	117	188986	11.90	PPBV		99
106)	HEXACHLOROBUTADIENE	18.656	225	270689	11.05	PPBV		100
107)	1,2,4-TRICHLOROBENZENE	18.347	180	362323	13.11	PPBV		100
108)	NAPHTHALENE	18.395	128	919027	12.96	PPBV		100
110)	TVHC as equiv Pentane	2.303	TIC	685461	8.17	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07980.D
Acq On : 19 Aug 2024 12:35 am
Operator : benk
Sample : icc305-10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 04:19:31 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:59 2024
Response via : Initial Calibration

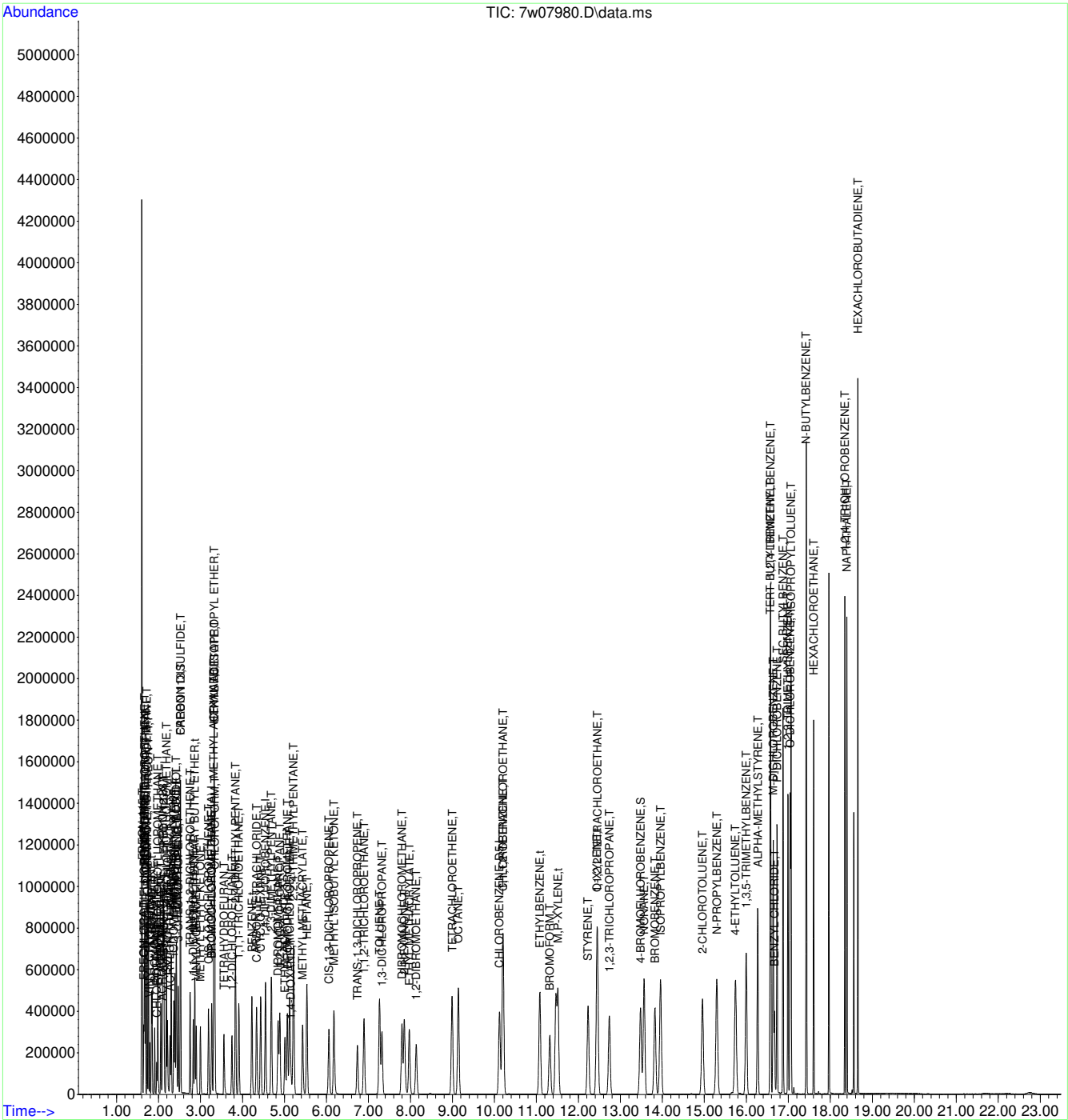
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07980.D
Acq On : 19 Aug 2024 12:35 am
Operator : benk
Sample : icc305-10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 04:19:31 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:59 2024
Response via : Initial Calibration



Manual Integration Approval Summary

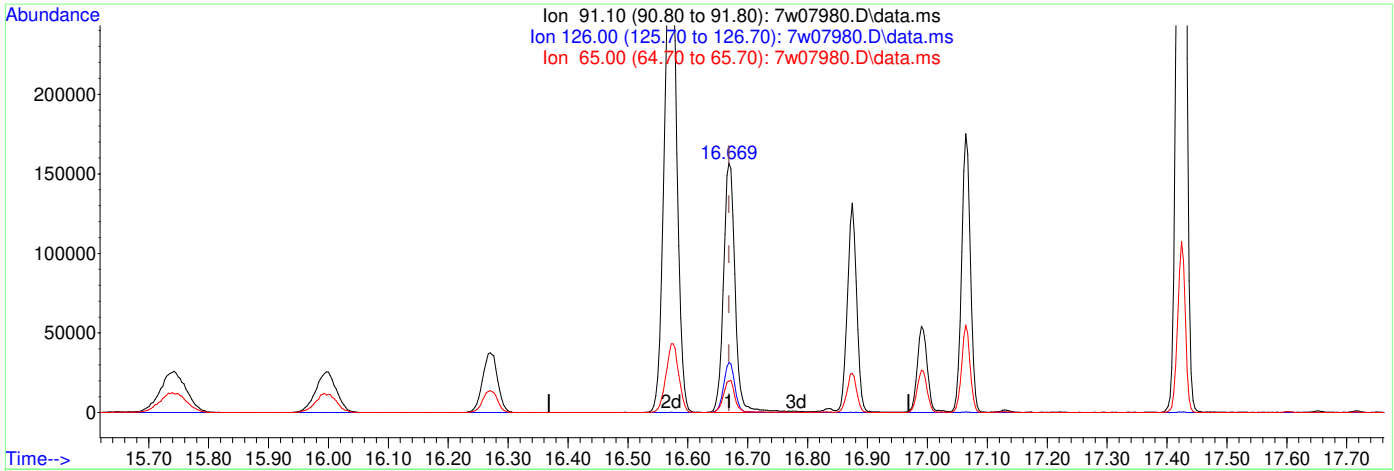
Sample Number: V7W305-ICC305 **Method:** TO-15
Lab FileID: 7W07980.D **Analyst approved:** 08/19/24 12:13 Kanya Veerawat
Injection Time: 08/19/24 00:35 **Supervisor approved:** 08/19/24 12:13 Kanya Veerawat

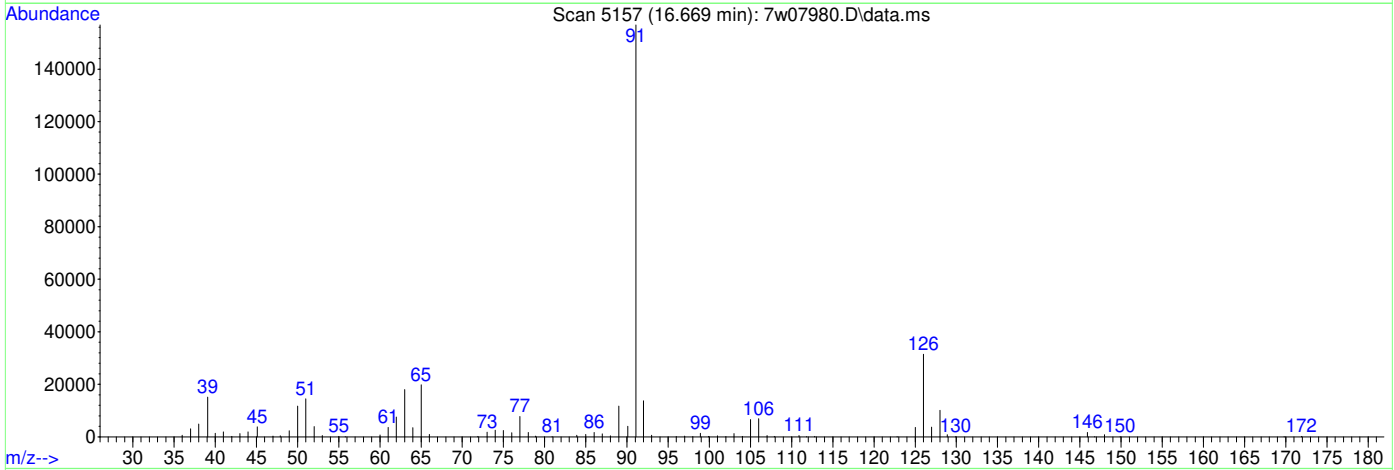
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzyl Chloride	100-44-7		16.67	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07980.D
Acq On : 19 Aug 2024 12:35 am
Operator : benk
Sample : icc305-10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 01:10:46 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:59 2024
Response via : Initial Calibration





TIC: 7w07980.D\data.ms

(97) BENZYL CHLORIDE (T)

16.669min (+0.000) 9.14PPBV

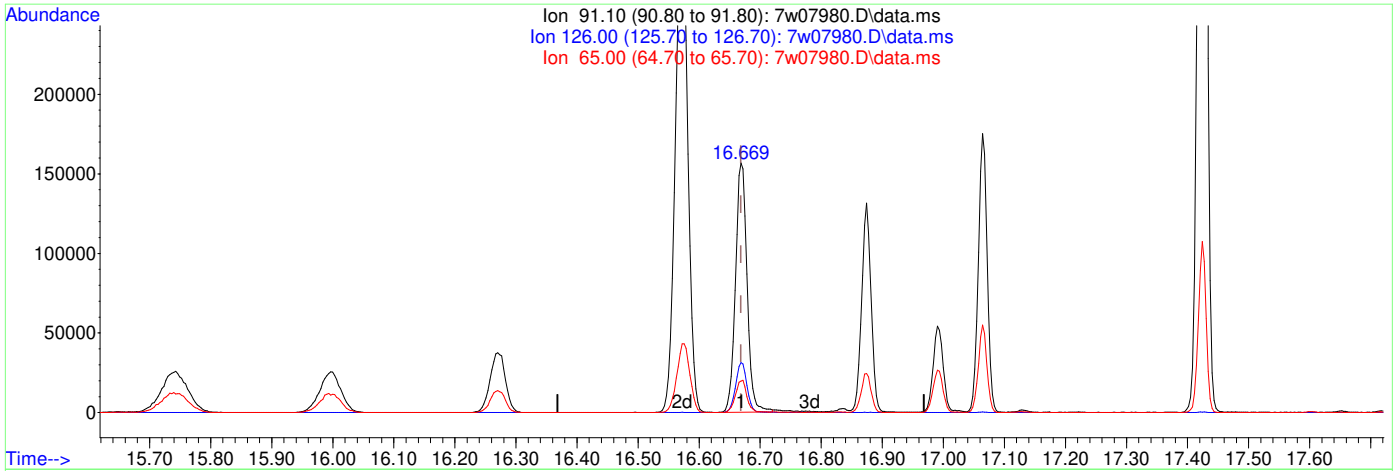
response 209652

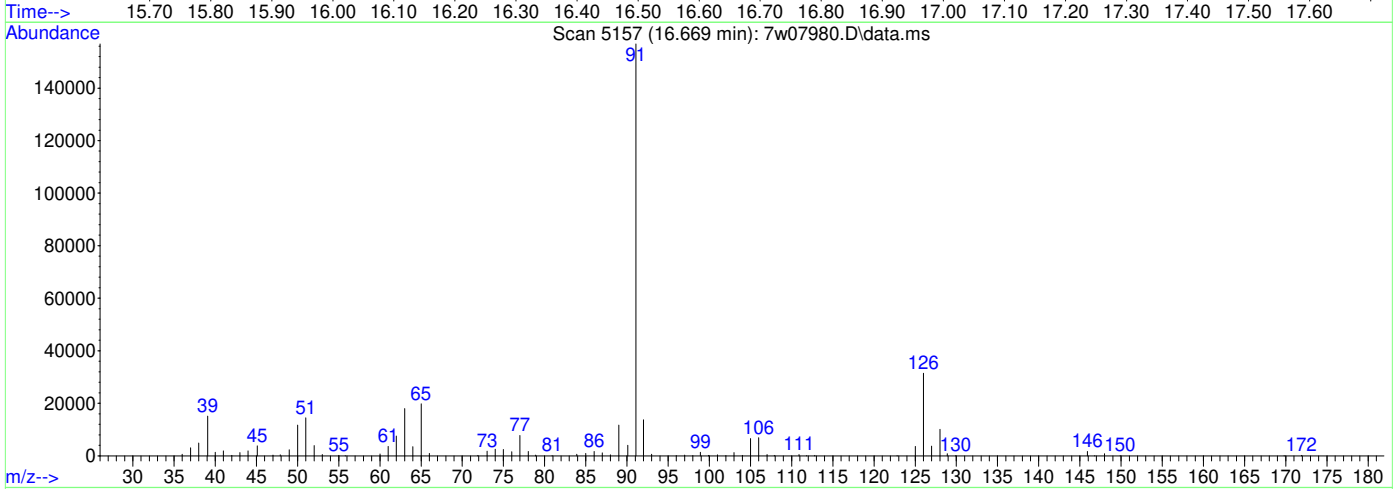
Ion	Exp%	Act%
91.10	100	100
126.00	19.60	19.52
65.00	13.50	13.08
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07980.D
Acq On : 19 Aug 2024 12:35 am
Operator : benk
Sample : icc305-10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 01:10:46 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:59 2024
Response via : Initial Calibration





TIC: 7w07980.D\data.ms

(97) BENZYL CHLORIDE (T)

16.669min (+0.000) 8.98PPBV m

response 206043

Ion	Exp%	Act%
91.10	100	100
126.00	19.60	19.87
65.00	13.50	13.30
0.00	0.00	0.00

7W07981.D

Manual Integrations APPROVED (compounds with "m" flag)

Kanya Veerawat 08/19/24 10:53

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07981.D
Acq On : 19 Aug 2024 1:10 am
Operator : benk
Sample : ic305-20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 04:20:49 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 01:13:02 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.267	128	78951	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.550	114	399337	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.122	117	358279	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.267	128	78951	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.479	95	266903	10.06	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.618	119	223150	21.59	PPBV		99
3) FREON 152A	1.647	65	113696	20.51	PPBV		99
4) CHLORODIFLUOROMETHANE	1.660	67	54585	20.96	PPBV		96
5) CHLOROTRIFLUOROETHENE	1.669	116	260366	20.90	PPBV		100
6) DICHLORODIFLUOROMETHANE	1.688	85	680605	20.91	PPBV		100
7) PROPYLENE	1.669	41	152928	19.87	PPBV		99
8) 1-CHLORO-1,1-DIFLUOROE...	1.724	65	568833	20.81	PPBV		100
9) FREON 114	1.759	85	605062	21.62	PPBV		100
10) CHLOROMETHANE	1.730	52	78040	18.64	PPBV		98
11) VINYL CHLORIDE	1.791	62	255415	19.85	PPBV		99
12) 1,3-BUTADIENE	1.833	54	213526	19.54	PPBV		99
13) N-BUTANE	1.846	43	396119	20.43	PPBV		100
14) BROMOMETHANE	1.907	94	203898	20.45	PPBV		98
15) CHLOROETHANE	1.955	64	134751	20.22	PPBV		90
16) DICHLOROFLUOROMETHANE	1.981	67	524283	21.39	PPBV		100
17) ACETONITRILE	2.052	41	223496	16.36	PPBV		99
18) ACROLEIN	2.090	56	122465	21.34	PPBV		99
19) FREON 123	2.103	83	531281	19.97	PPBV		100
20) FREON 123A	2.123	117	323136	21.67	PPBV		100
21) TRICHLOROFLUOROMETHANE	2.187	101	609713	21.19	PPBV		99
22) ISOPROPYL ALCOHOL	2.209	45	505798	16.79	PPBV		99
23) ACETONE	2.129	58	132986	12.82	PPBV		98
24) PENTANE	2.303	42	275517	17.87	PPBV		100
25) IODOMETHANE	2.364	142	554198	21.34	PPBV		99
26) 1,1-DICHLOROETHYLENE	2.393	96	224620	19.91	PPBV		100
27) CARBON DISULFIDE	2.524	76	672044	20.83	PPBV		98
28) ETHANOL	1.987	45	128753	12.10	PPBV		97
29) BROMOETHENE	2.058	106	208300	20.11	PPBV		99
30) ACRYLONITRILE	2.274	52	196181	17.77	PPBV		98
31) METHYLENE CHLORIDE	2.428	84	204874	17.29	PPBV		97
32) 3-CHLOROPROPENE	2.470	76	113419	20.29	PPBV		94
33) FREON 113	2.524	151	360148	21.14	PPBV		100
34) TRANS-1,2-DICHLOROETHENE	2.753	96	212265	18.95	PPBV		99
35) TERTIARY BUTYL ALCOHOL	2.412	59	502012	18.93	PPBV		98
36) METHYL TERTIARY BUTYL ...	2.862	73	565864	21.86	PPBV		99
37) TETRAHYDROFURAN	3.553	72	108661	22.89	PPBV		99
38) HEXANE	3.319	57	447138	20.24	PPBV		100
39) VINYL ACETATE	2.901	86	53174	25.07	PPBV		94
40) 1,1-DICHLOROETHANE	2.830	63	406429	20.70	PPBV		100
41) METHYL ETHYL KETONE	2.997	72	113742	22.35	PPBV		98
42) CIS-1,2-DICHLOROETHENE	3.193	96	229111	21.47	PPBV		100
43) DIISOPROPYL ETHER	3.325	59	128654	22.05	PPBV		98
44) ETHYL ACETATE	3.328	61	90518	21.25	PPBV		97
45) METHYL ACRYLATE	3.315	55	541298	22.09	PPBV	#	26
46) CHLOROFORM	3.341	83	481874	21.68	PPBV		100
47) 2,4-DIMETHYLPENTANE	3.836	57	493893	21.63	PPBV		99
48) 1,1,1-TRICHLOROETHANE	3.913	97	446392	22.10	PPBV		97
49) CARBON TETRACHLORIDE	4.338	117	457450	22.82	PPBV		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07981.D
Acq On : 19 Aug 2024 1:10 am
Operator : benk
Sample : ic305-20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 04:20:49 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 01:13:02 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	3.749	62	359999	21.41	PPBV		100
51)	BENZENE	4.225	78	686901	21.16	PPBV		100
53)	CYCLOHEXANE	4.434	84	301083	21.52	PPBV		100
54)	2,3-DIMETHYLPENTANE	4.688	71	159069	22.48	PPBV		100
55)	TRICHLOROETHENE	5.122	95	315589	21.12	PPBV		100
56)	1,2-DICHLOROPROPANE	4.891	63	281821	20.99	PPBV		99
57)	DIBROMOMETHANE	4.849	174	258319	20.58	PPBV		100
58)	ETHYL ACRYLATE	5.010	55	648686	22.22	PPBV		100
59)	BROMODICHLOROMETHANE	5.071	83	520746	22.92	PPBV		99
60)	2,2,4-TRIMETHYLPENTANE	5.219	57	1363236	20.68	PPBV		98
61)	1,4-DIOXANE	5.142	88	159662	20.39	PPBV	#	93
62)	HEPTANE	5.534	43	490987	20.96	PPBV		100
63)	METHYL METHACRYLATE	5.431	69	269942	22.03	PPBV		98
64)	METHYL ISOBUTYL KETONE	6.174	58	278412	18.84	PPBV		100
65)	CIS-1,3-DICHLOROPROPENE	6.061	75	416046	23.40	PPBV		98
66)	TOLUENE	7.267	91	894765	21.73	PPBV		99
67)	1,3-DICHLOROPROPANE	7.325	76	454192	22.55	PPBV		100
68)	TRANS-1,3-DICHLOROPROPENE	6.736	75	339286	24.33	PPBV		97
69)	1,1,2-TRICHLOROETHANE	6.897	83	252481	22.25	PPBV		99
70)	2-HEXANONE	7.846	58	409335	18.16	PPBV		99
71)	ETHYL METHACRYLATE	7.971	69	456862	22.78	PPBV		99
72)	TETRACHLOROETHENE	8.997	164	312906	20.27	PPBV		99
73)	DIBROMOCHLOROMETHANE	7.801	129	522506	25.25	PPBV		100
74)	1,2-DIBROMOETHANE	8.142	107	469334	23.12	PPBV		100
75)	OCTANE	9.142	43	701989	20.21	PPBV		100
77)	1,1,1,2-TETRACHLOROETHANE	10.215	131	358362	23.86	PPBV		98
78)	CHLOROBENZENE	10.203	112	755223	22.52	PPBV		100
79)	ETHYLBENZENE	11.087	91	1235495	20.71	PPBV		100
80)	M,P-XYLENE	11.514	91	1915233	51.64	PPBV		98
81)	O-XYLENE	12.447	91	990163	22.27	PPBV		97
82)	STYRENE	12.235	104	744264	23.04	PPBV		100
83)	NONANE	13.569	43	767362	21.75	PPBV		100
84)	BROMOFORM	11.322	173	476337	25.55	PPBV		99
85)	1,1,2,2-TETRACHLOROETHANE	12.460	83	719296	23.01	PPBV		100
86)	1,2,3-TRICHLOROPROPANE	12.739	75	552619	23.08	PPBV		100
88)	ISOPROPYLBENZENE	13.961	120	370195	21.85	PPBV		99
89)	BROMOBENZENE	13.829	77	689619	22.52	PPBV		99
90)	2-CHLOROTOLUENE	14.961	126	332076	21.66	PPBV		99
91)	N-PROPYLBENZENE	15.299	120	388667	22.47	PPBV		100
92)	4-ETHYLTOLUENE	15.746	105	1411045	23.43	PPBV		100
93)	1,3,5-TRIMETHYLBENZENE	15.997	105	1186430	21.61	PPBV		100
94)	ALPHA-METHYLSTYRENE	16.273	118	616609	22.44	PPBV		100
95)	TERT-BUTYLBENZENE	16.572	134	285876	21.66	PPBV		98
96)	1,2,4-TRIMETHYLBENZENE	16.582	105	1283114	22.29	PPBV		99
97)	BENZYL CHLORIDE	16.672	91	586437m	33.00	PPBV		
98)	M-DICHLOROBENZENE	16.643	146	806410	22.21	PPBV		100
99)	P-DICHLOROBENZENE	16.733	146	813706	21.78	PPBV		100
100)	O-DICHLOROBENZENE	17.048	146	781278	21.49	PPBV		99
101)	SEC-BUTYLBENZENE	16.878	134	363104	21.90	PPBV		98
102)	1,2,3-TRIMETHYLBENZENE	16.993	105	1240077	21.66	PPBV		100
103)	P-ISOPROPYLTOLUENE	17.067	134	399174	21.83	PPBV		100
104)	N-BUTYLBENZENE	17.427	134	407447	22.96	PPBV		98
105)	HEXACHLOROETHANE	17.604	117	446077	27.20	PPBV		99
106)	HEXACHLOROBUTADIENE	18.659	225	601439	23.20	PPBV		99
107)	1,2,4-TRICHLOROBENZENE	18.347	180	799662	26.27	PPBV		99
108)	NAPHTHALENE	18.395	128	2024654	23.88	PPBV		100
110)	TVHC as equiv Pentane	2.303	TIC	1370798	16.29	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07981.D
Acq On : 19 Aug 2024 1:10 am
Operator : benk
Sample : ic305-20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 04:20:49 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 01:13:02 2024
Response via : Initial Calibration

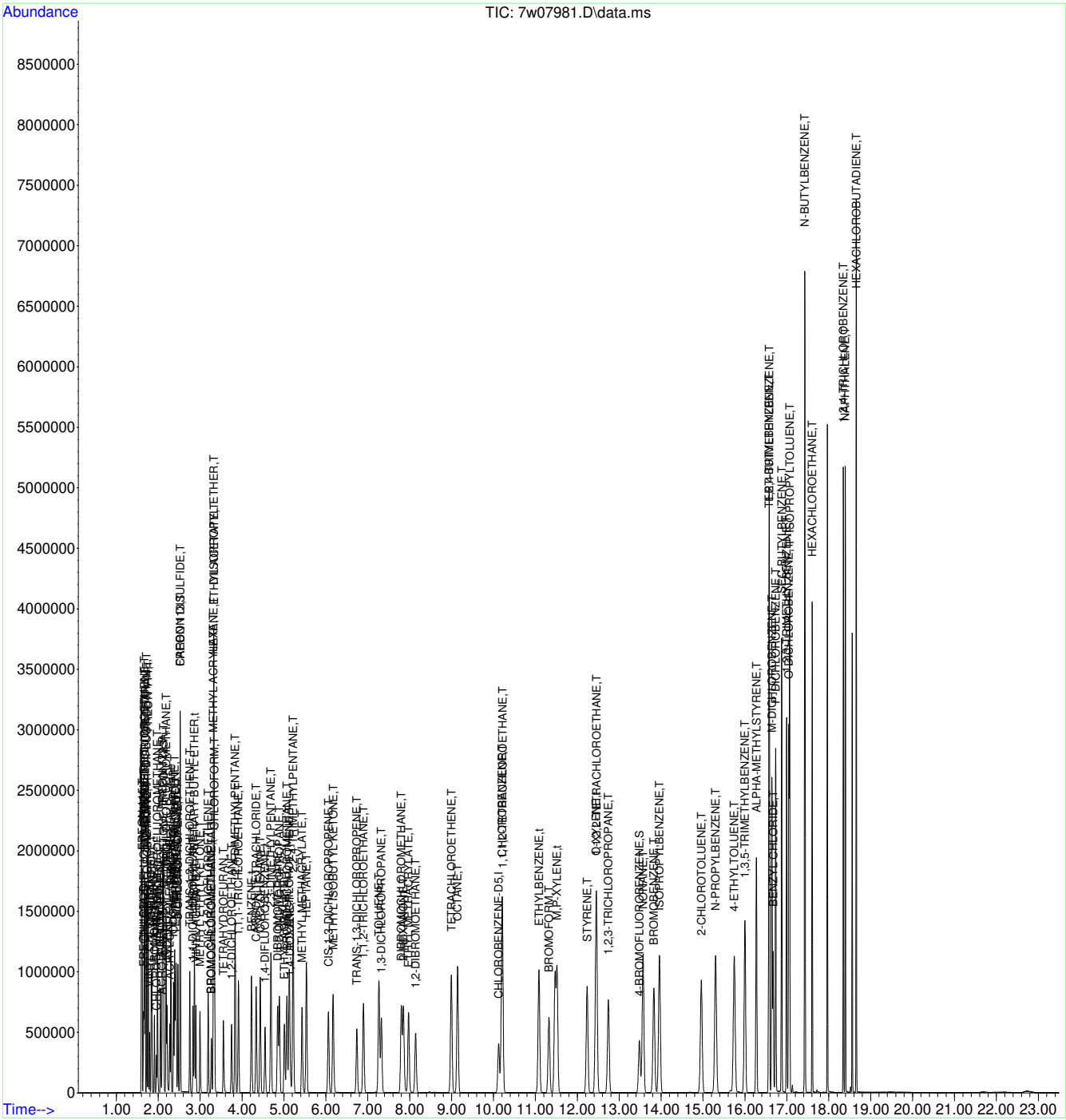
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07981.D
Acq On : 19 Aug 2024 1:10 am
Operator : benk
Sample : ic305-20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 04:20:49 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 01:13:02 2024
Response via : Initial Calibration



Manual Integration Approval Summary

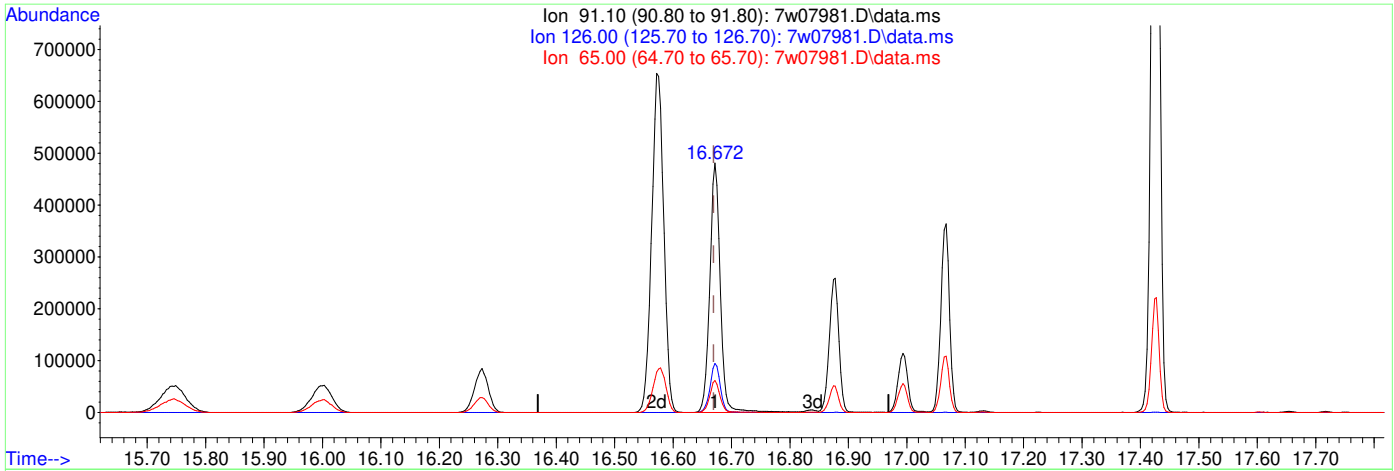
Sample Number: V7W305-IC305 **Method:** TO-15
Lab FileID: 7W07981.D **Analyst approved:** 08/19/24 09:06 Benjamin Kim
Injection Time: 08/19/24 01:10 **Supervisor approved:** 08/19/24 10:53 Kanya Veerawat

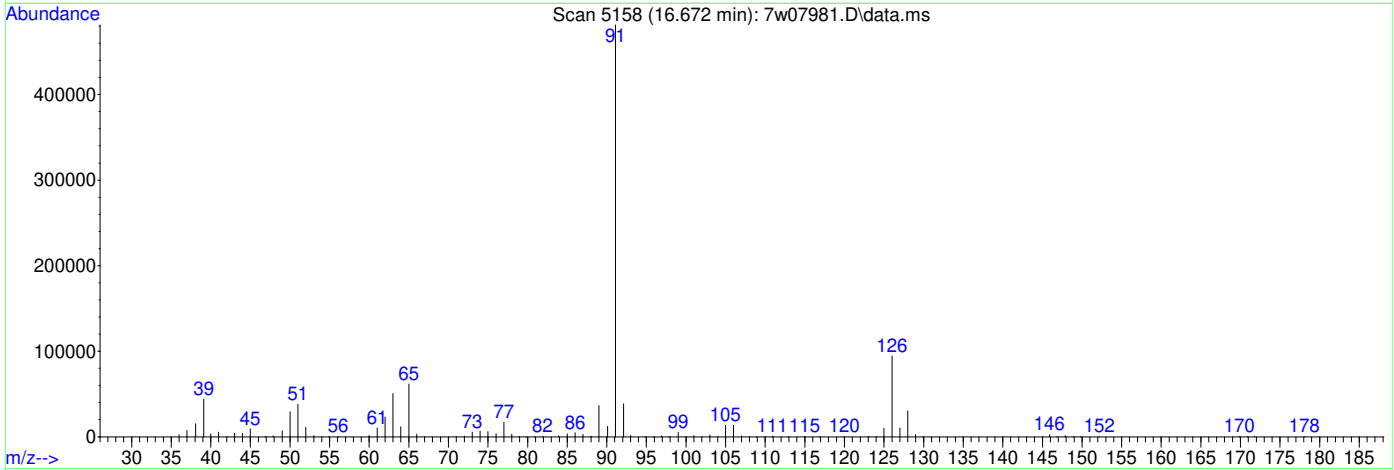
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzyl Chloride	100-44-7		16.67	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07981.D
Acq On : 19 Aug 2024 1:10 am
Operator : benk
Sample : ic305-20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 01:55:52 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 01:13:02 2024
Response via : Initial Calibration





TIC: 7w07981.D\data.ms

(97) BENZYL CHLORIDE (T)

16.672min (+0.003) 33.69PPBV

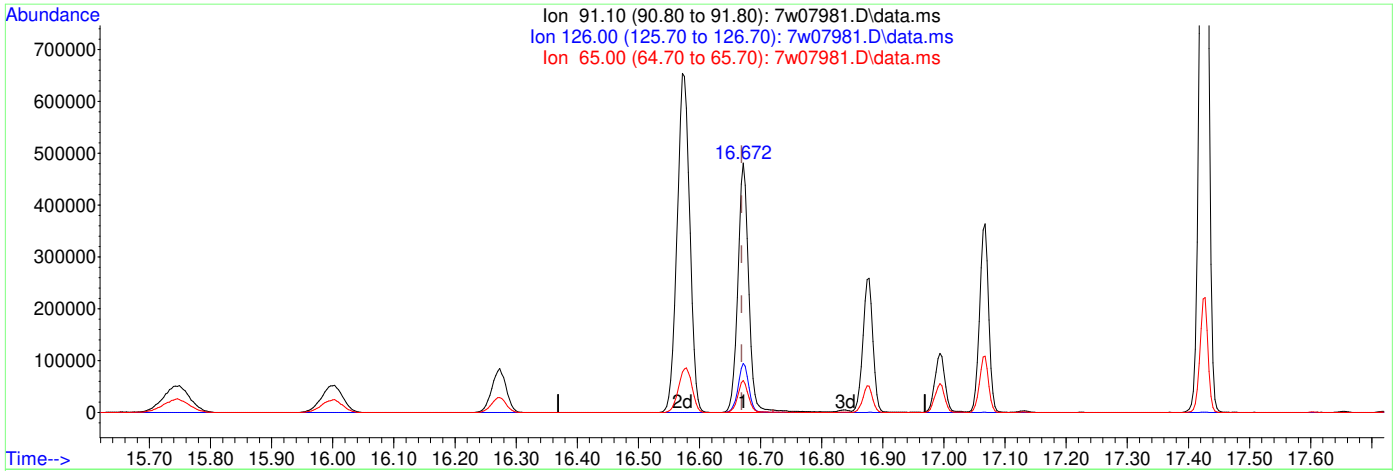
response 598744

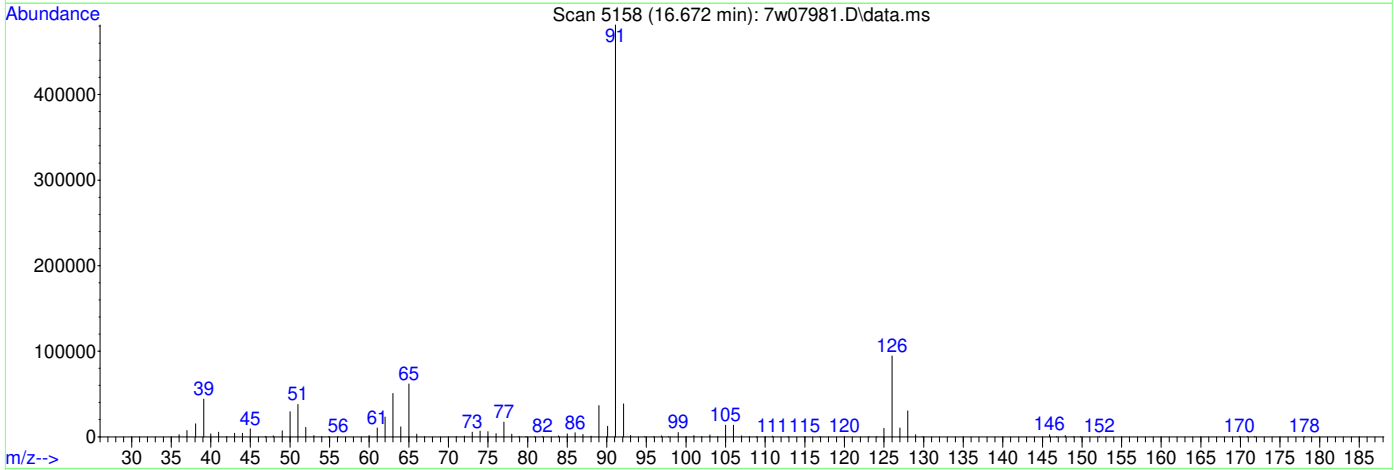
Ion	Exp%	Act%
91.10	100	100
126.00	19.60	19.41
65.00	13.50	12.91
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07981.D
Acq On : 19 Aug 2024 1:10 am
Operator : benk
Sample : ic305-20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 01:55:52 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 01:13:02 2024
Response via : Initial Calibration





TIC: 7w07981.D\data.ms

(97) BENZYL CHLORIDE (T)

16.672min (+0.003) 33.00PPBV m

response 586437

Ion	Exp%	Act%
91.10	100	100
126.00	19.60	19.82
65.00	13.50	13.18
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07982.D
Acq On : 19 Aug 2024 1:48 am
Operator : benk
Sample : ic305-40
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 03:03:06 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 03:01:24 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.267	128	77284	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.550	114	380992	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.129	117	341287	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.267	128	77286	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.482	95	254399	10.16	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.615	119	479498	49.08	PPBV		98
3) FREON 152A	1.647	65	225277	41.32	PPBV		99
4) CHLORODIFLUOROMETHANE	1.660	67	107855	41.41	PPBV		96
5) CHLOROTRIFLUOROETHENE	1.669	116	531168	42.36	PPBV		98
6) DICHLORODIFLUOROMETHANE	1.685	85	1365507	42.82	PPBV		99
7) PROPYLENE	1.669	41	307501	41.15	PPBV		98
8) 1-CHLORO-1,1-DIFLUOROE...	1.724	65	1126152	42.58	PPBV		99
9) FREON 114	1.759	85	1216958	44.90	PPBV		100
10) CHLOROMETHANE	1.730	52	155210	39.41	PPBV		100
11) VINYL CHLORIDE	1.792	62	503905	41.23	PPBV		98
12) 1,3-BUTADIENE	1.830	54	423360	41.02	PPBV		98
13) N-BUTANE	1.846	43	784812	43.23	PPBV		99
14) BROMOMETHANE	1.907	94	405186	41.45	PPBV		99
15) CHLOROETHANE	1.956	64	265590	41.21	PPBV		90
16) DICHLOROFLUOROMETHANE	1.981	67	1054144	44.46	PPBV		99
17) ACETONITRILE	2.052	41	444566	35.18	PPBV		100
18) ACROLEIN	2.091	56	244650	46.58	PPBV		99
19) FREON 123	2.103	83	1072484	42.46	PPBV		100
20) FREON 123A	2.123	117	648266	45.20	PPBV		100
21) TRICHLOROFLUOROMETHANE	2.187	101	1217843	43.41	PPBV		99
22) ISOPROPYL ALCOHOL	2.206	45	986924	35.57	PPBV		98
23) ACETONE	2.129	58	267712	27.52	PPBV		99
24) PENTANE	2.303	42	541283	39.96	PPBV		99
25) IODOMETHANE	2.364	142	1107350	45.77	PPBV		100
26) 1,1-DICHLOROETHYLENE	2.393	96	444048	42.54	PPBV		100
27) CARBON DISULFIDE	2.525	76	1380820	45.82	PPBV		97
28) ETHANOL	1.988	45	246600	22.56	PPBV		98
29) BROMOETHENE	2.058	106	411694	41.15	PPBV		99
30) ACRYLONITRILE	2.274	52	386593	39.48	PPBV		98
31) METHYLENE CHLORIDE	2.428	84	403498	36.21	PPBV		97
32) 3-CHLOROPROPENE	2.470	76	229000	43.65	PPBV		92
33) FREON 113	2.525	151	717158	44.48	PPBV		100
34) TRANS-1,2-DICHLOROETHENE	2.753	96	418606	39.92	PPBV		99
35) TERTIARY BUTYL ALCOHOL	2.409	59	988301	41.72	PPBV		97
36) METHYL TERTIARY BUTYL ...	2.862	73	1162668	45.46	PPBV		99
37) TETRAHYDROFURAN	3.550	72	216092	45.61	PPBV		99
38) HEXANE	3.322	57	909825	43.13	PPBV		99
39) VINYL ACETATE	2.901	86	112738	52.89	PPBV		93
40) 1,1-DICHLOROETHANE	2.830	63	811814	42.39	PPBV		100
41) METHYL ETHYL KETONE	2.997	72	229599	45.08	PPBV		100
42) CIS-1,2-DICHLOROETHENE	3.193	96	461447	43.14	PPBV		99
43) DIISOPROPYL ETHER	3.325	59	260000	46.49	PPBV		99
44) ETHYL ACETATE	3.332	61	186268	45.35	PPBV		99
45) METHYL ACRYLATE	3.319	55	1119785	47.57	PPBV	#	26
46) CHLOROFORM	3.345	83	964123	43.74	PPBV		100
47) 2,4-DIMETHYLPENTANE	3.836	57	1011033	45.64	PPBV		100
48) 1,1,1-TRICHLOROETHANE	3.917	97	934248	46.56	PPBV		97
49) CARBON TETRACHLORIDE	4.338	117	968917	48.27	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07982.D
Acq On : 19 Aug 2024 1:48 am
Operator : benk
Sample : ic305-40
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 03:03:06 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 03:01:24 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	3.753	62	733596	44.30	PPBV		100
51)	BENZENE	4.226	78	1385476	42.73	PPBV		100
53)	CYCLOHEXANE	4.434	84	603407	44.01	PPBV		100
54)	2,3-DIMETHYLPENTANE	4.692	71	320742	46.54	PPBV		100
55)	TRICHLOROETHENE	5.126	95	641066	43.93	PPBV		100
56)	1,2-DICHLOROPROPANE	4.891	63	574606	44.69	PPBV		99
57)	DIBROMOMETHANE	4.853	174	521107	42.96	PPBV		99
58)	ETHYL ACRYLATE	5.013	55	1339537	48.52	PPBV		100
59)	BROMODICHLOROMETHANE	5.074	83	1065741	47.59	PPBV		99
60)	2,2,4-TRIMETHYLPENTANE	5.222	57	2752474	44.22	PPBV		99
61)	1,4-DIOXANE	5.139	88	316234	41.72	PPBV	#	91
62)	HEPTANE	5.537	43	994256	45.09	PPBV		100
63)	METHYL METHACRYLATE	5.434	69	556132	46.84	PPBV		98
64)	METHYL ISOBUTYL KETONE	6.171	58	558762	39.99	PPBV		99
65)	CIS-1,3-DICHLOROPROPENE	6.061	75	875361	50.16	PPBV		98
66)	TOLUENE	7.270	91	1807715	45.02	PPBV		99
67)	1,3-DICHLOROPROPANE	7.328	76	913247	46.29	PPBV		99
68)	TRANS-1,3-DICHLOROPROPENE	6.743	75	743619	53.83	PPBV		96
69)	1,1,2-TRICHLOROETHANE	6.901	83	505262	45.59	PPBV		99
70)	2-HEXANONE	7.846	58	793923	38.66	PPBV		99
71)	ETHYL METHACRYLATE	7.975	69	944521	49.01	PPBV		99
72)	TETRACHLOROETHENE	8.997	164	632328	43.26	PPBV		100
73)	DIBROMOCHLOROMETHANE	7.804	129	1085341	51.12	PPBV		100
74)	1,2-DIBROMOETHANE	8.148	107	957340	48.14	PPBV		99
75)	OCTANE	9.148	43	1415805	43.08	PPBV		100
77)	1,1,1,2-TETRACHLOROETHANE	10.222	131	747842	50.62	PPBV		98
78)	CHLOROBENZENE	10.206	112	1519252	45.56	PPBV		99
79)	ETHYLBENZENE	11.090	91	2480888	44.56	PPBV		99
80)	M,P-XYLENE	11.524	91	3827571	90.65	PPBV		98
81)	O-XYLENE	12.453	91	1995478	46.04	PPBV		97
82)	STYRENE	12.241	104	1510779	47.29	PPBV		100
83)	NONANE	13.576	43	1529296	45.44	PPBV		99
84)	BROMOFORM	11.328	173	1015782	55.05	PPBV		100
85)	1,1,2,2-TETRACHLOROETHANE	12.466	83	1454357	47.64	PPBV		100
86)	1,2,3-TRICHLOROPROPANE	12.746	75	1111565	47.22	PPBV		100
88)	ISOPROPYLBENZENE	13.968	120	745304	45.82	PPBV		99
89)	BROMOBENZENE	13.833	77	1398331	46.31	PPBV		99
90)	2-CHLOROTOLUENE	14.965	126	671558	44.16	PPBV		99
91)	N-PROPYLBENZENE	15.305	120	787486	46.13	PPBV		100
92)	4-ETHYLTOLUENE	15.752	105	2903289	49.04	PPBV		100
93)	1,3,5-TRIMETHYLBENZENE	16.006	105	2452735	46.90	PPBV		100
94)	ALPHA-METHYLSTYRENE	16.276	118	1287592	49.03	PPBV		100
95)	TERT-BUTYLBENZENE	16.579	134	595730	48.09	PPBV		97
96)	1,2,4-TRIMETHYLBENZENE	16.588	105	2687686	49.67	PPBV		99
97)	BENZYL CHLORIDE	16.675	91	1577661	77.14	PPBV		99
98)	M-DICHLOROBENZENE	16.649	146	1650345	48.34	PPBV		100
99)	P-DICHLOROBENZENE	16.739	146	1699131	47.87	PPBV		100
100)	O-DICHLOROBENZENE	17.051	146	1624812	47.84	PPBV		99
101)	SEC-BUTYLBENZENE	16.878	134	741809	48.93	PPBV		99
102)	1,2,3-TRIMETHYLBENZENE	16.997	105	2571874	48.72	PPBV		99
103)	P-ISOPROPYLTOLUENE	17.067	134	821843	48.57	PPBV		98
104)	N-BUTYLBENZENE	17.431	134	861362	51.77	PPBV		99
105)	HEXACHLOROETHANE	17.608	117	1016583	64.36	PPBV		98
106)	HEXACHLOROBUTADIENE	18.659	225	1336000	52.86	PPBV		99
107)	1,2,4-TRICHLOROBENZENE	18.350	180	1756356	53.82	PPBV		99
108)	NAPHTHALENE	18.399	128	4403551	50.52	PPBV		100
110)	TVHC as equiv Pentane	2.303	TIC	2678485	35.13	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07982.D
Acq On : 19 Aug 2024 1:48 am
Operator : benk
Sample : ic305-40
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 03:03:06 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 03:01:24 2024
Response via : Initial Calibration

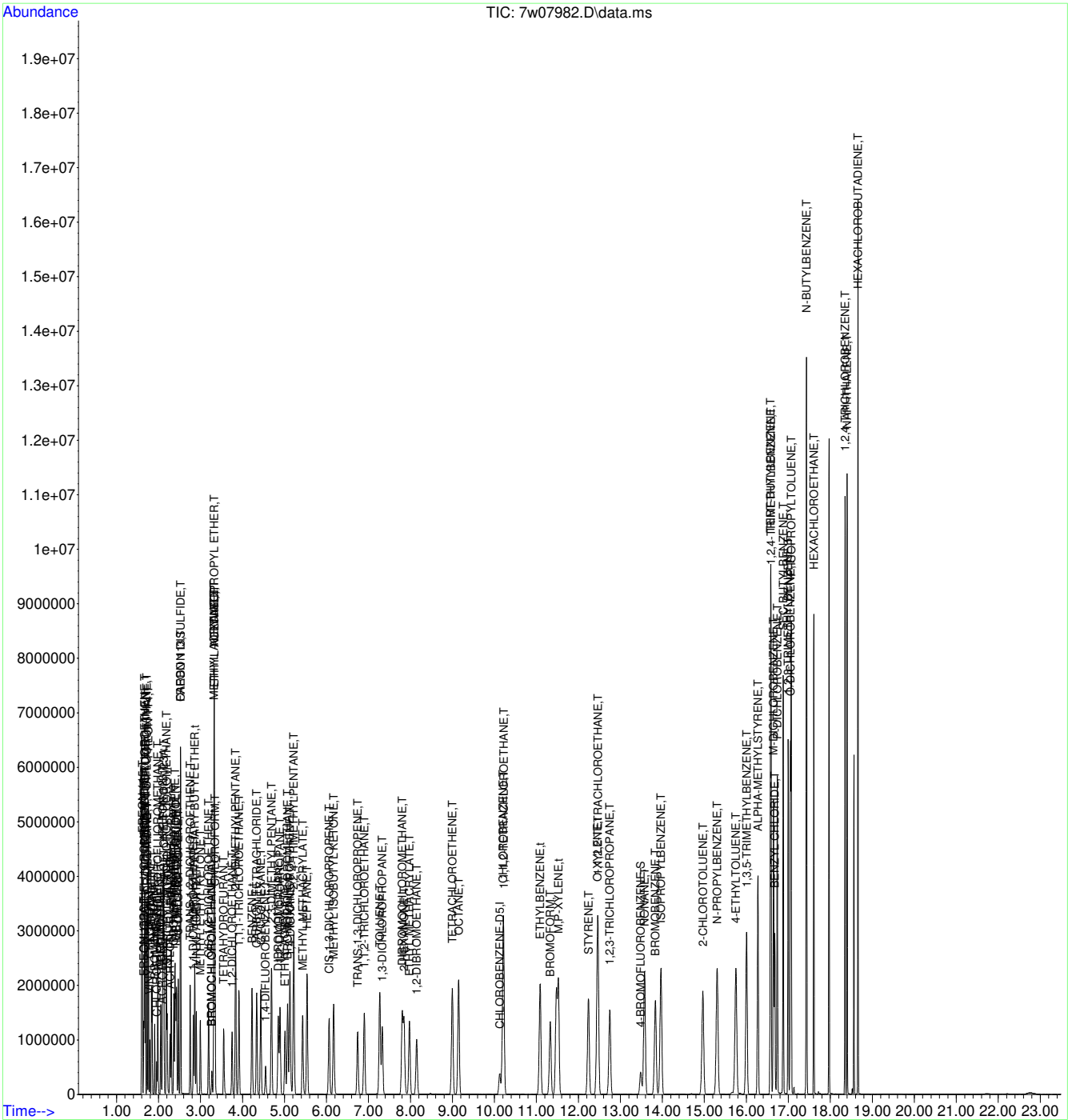
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07982.D
Acq On : 19 Aug 2024 1:48 am
Operator : benk
Sample : ic305-40
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 03:03:06 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 03:01:24 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07983.D
Acq On : 19 Aug 2024 2:28 am
Operator : benk
Sample : ic305-50
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 03:05:15 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 03:03:31 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.270	128	78494	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.550	114	389657	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.126	117	345790	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.270	128	78466	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.482	95	262126	10.33	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.615	119	245619	24.76	PPBV		99
3) FREON 152A	1.647	65	291677	52.67	PPBV		98
4) CHLORODIFLUOROMETHANE	1.660	67	141627	53.53	PPBV		95
5) CHLOROTRIFLUOROETHENE	1.669	116	690638	54.22	PPBV		96
6) DICHLORODIFLUOROMETHANE	1.689	85	1753161	54.12	PPBV		100
7) PROPYLENE	1.669	41	405362	53.41	PPBV		99
8) 1-CHLORO-1,1-DIFLUOROE...	1.724	65	1432344	53.33	PPBV		99
9) FREON 114	1.759	85	1558278	56.61	PPBV		100
10) CHLOROMETHANE	1.730	52	195627	48.91	PPBV		98
11) VINYL CHLORIDE	1.791	62	635465	51.19	PPBV		98
12) 1,3-BUTADIENE	1.833	54	540324	51.55	PPBV		98
13) N-BUTANE	1.846	43	998179	54.13	PPBV		99
14) BROMOMETHANE	1.907	94	514200	51.79	PPBV		99
15) CHLOROETHANE	1.955	64	333396	50.94	PPBV		90
16) DICHLOROFLUOROMETHANE	1.981	67	1339188	55.61	PPBV		99
17) ACETONITRILE	2.052	41	560405	43.66	PPBV		100
18) ACROLEIN	2.090	56	312569	58.59	PPBV		100
19) FREON 123	2.103	83	1374797	53.58	PPBV		100
20) FREON 123A	2.123	117	825932	56.70	PPBV		100
21) TRICHLOROFLUOROMETHANE	2.187	101	1536852	53.94	PPBV		99
22) ISOPROPYL ALCOHOL	2.206	45	1276024	45.28	PPBV		98
23) ACETONE	2.129	58	337983	34.21	PPBV		99
24) PENTANE	2.303	42	687480	49.97	PPBV		100
25) IODOMETHANE	2.364	142	1405240	57.19	PPBV		100
26) 1,1-DICHLOROETHYLENE	2.393	96	566307	53.41	PPBV		99
27) CARBON DISULFIDE	2.525	76	1762887	57.59	PPBV		96
28) ETHANOL	1.988	45	321155	35.32	PPBV		99
29) BROMOETHENE	2.058	106	524513	51.62	PPBV		99
30) ACRYLONITRILE	2.274	52	490384	49.31	PPBV		99
31) METHYLENE CHLORIDE	2.428	84	515055	45.51	PPBV		96
32) 3-CHLOROPROPENE	2.470	76	294143	55.20	PPBV		90
33) FREON 113	2.525	151	913434	55.78	PPBV		100
34) TRANS-1,2-DICHLOROETHENE	2.753	96	535169	50.25	PPBV		98
35) TERTIARY BUTYL ALCOHOL	2.409	59	1298839	53.98	PPBV		95
36) METHYL TERTIARY BUTYL ...	2.862	73	1507766	58.04	PPBV		100
37) TETRAHYDROFURAN	3.550	72	274817	57.11	PPBV		98
38) HEXANE	3.322	57	1158103	54.06	PPBV		99
39) VINYL ACETATE	2.901	86	146094	67.49	PPBV		93
40) 1,1-DICHLOROETHANE	2.830	63	1030008	52.95	PPBV		100
41) METHYL ETHYL KETONE	2.997	72	294713	56.98	PPBV		97
42) CIS-1,2-DICHLOROETHENE	3.193	96	589563	54.27	PPBV		99
43) DIISOPROPYL ETHER	3.328	59	332704	58.58	PPBV		98
44) ETHYL ACETATE	3.332	61	237324	56.89	PPBV		100
45) METHYL ACRYLATE	3.319	55	1426991	59.69	PPBV	#	26
46) CHLOROFORM	3.348	83	1214394	54.25	PPBV		100
47) 2,4-DIMETHYLPENTANE	3.836	57	1280289	56.90	PPBV		100
48) 1,1,1-TRICHLOROETHANE	3.917	97	1200423	58.91	PPBV		96
49) CARBON TETRACHLORIDE	4.338	117	1255040	61.56	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07983.D
Acq On : 19 Aug 2024 2:28 am
Operator : benk
Sample : ic305-50
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 03:05:15 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 03:03:31 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	3.753	62	933342	55.50	PPBV		100
51)	BENZENE	4.229	78	1758391	53.39	PPBV		100
53)	CYCLOHEXANE	4.434	84	764340	54.51	PPBV		99
54)	2,3-DIMETHYLPENTANE	4.692	71	410142	58.19	PPBV		99
55)	TRICHLOROETHENE	5.129	95	820753	55.00	PPBV		100
56)	1,2-DICHLOROPROPANE	4.894	63	728144	55.37	PPBV		100
57)	DIBROMOMETHANE	4.856	174	664737	53.59	PPBV		100
58)	ETHYL ACRYLATE	5.013	55	1729659	61.26	PPBV		99
59)	BROMODICHLOROMETHANE	5.074	83	1366362	59.66	PPBV		99
60)	2,2,4-TRIMETHYLPENTANE	5.222	57	3472389	54.54	PPBV		99
61)	1,4-DIOXANE	5.135	88	411014	53.01	PPBV	#	91
62)	HEPTANE	5.540	43	1257625	55.77	PPBV		100
63)	METHYL METHACRYLATE	5.434	69	710742	58.53	PPBV		98
64)	METHYL ISOBUTYL KETONE	6.171	58	700033	48.98	PPBV		100
65)	CIS-1,3-DICHLOROPROPENE	6.065	75	1127356	63.16	PPBV		97
66)	TOLUENE	7.270	91	2289185	55.74	PPBV		100
67)	1,3-DICHLOROPROPANE	7.331	76	1142857	56.64	PPBV		99
68)	TRANS-1,3-DICHLOROPROPENE	6.743	75	969360	68.61	PPBV		96
69)	1,1,2-TRICHLOROETHANE	6.901	83	643667	56.79	PPBV		100
70)	2-HEXANONE	7.849	58	988014	47.05	PPBV		100
71)	ETHYL METHACRYLATE	7.978	69	1193687	60.56	PPBV		99
72)	TETRACHLOROETHENE	9.000	164	805208	53.86	PPBV		99
73)	DIBROMOCHLOROMETHANE	7.804	129	1392250	64.12	PPBV		100
74)	1,2-DIBROMOETHANE	8.151	107	1218207	59.90	PPBV		99
75)	OCTANE	9.151	43	1775513	52.82	PPBV		100
77)	1,1,1,2-TETRACHLOROETHANE	10.222	131	958162	64.01	PPBV		98
78)	CHLOROBENZENE	10.209	112	1916033	56.71	PPBV		99
79)	ETHYLBENZENE	11.090	91	3150833	55.86	PPBV		100
80)	M,P-XYLENE	11.524	91	4833704	112.99	PPBV		98
81)	O-XYLENE	12.457	91	2534915	57.72	PPBV		97
82)	STYRENE	12.241	104	1921279	59.36	PPBV		99
83)	NONANE	13.579	43	1935888	56.77	PPBV		99
84)	BROMOFORM	11.331	173	1314897	70.33	PPBV		100
85)	1,1,2,2-TETRACHLOROETHANE	12.473	83	1856029	60.00	PPBV		100
86)	1,2,3-TRICHLOROPROPANE	12.752	75	1408047	59.04	PPBV		100
88)	ISOPROPYLBENZENE	13.971	120	945561	57.37	PPBV		99
89)	BROMOBENZENE	13.836	77	1768536	57.81	PPBV		99
90)	2-CHLOROTOLUENE	14.968	126	853495	55.39	PPBV		99
91)	N-PROPYLBENZENE	15.305	120	1005505	58.13	PPBV		100
92)	4-ETHYLTOLUENE	15.756	105	3707934	61.82	PPBV		100
93)	1,3,5-TRIMETHYLBENZENE	16.010	105	3135087	59.17	PPBV		100
94)	ALPHA-METHYLSTYRENE	16.280	118	1653911	62.16	PPBV		99
95)	TERT-BUTYLBENZENE	16.579	134	766074	61.04	PPBV		98
96)	1,2,4-TRIMETHYLBENZENE	16.591	105	3471175	63.31	PPBV		99
97)	BENZYL CHLORIDE	16.678	91	2221433	107.20	PPBV		99
98)	M-DICHLOROBENZENE	16.649	146	2136121	61.75	PPBV		100
99)	P-DICHLOROBENZENE	16.739	146	2201660	61.23	PPBV		100
100)	O-DICHLOROBENZENE	17.051	146	2121120	61.64	PPBV		99
101)	SEC-BUTYLBENZENE	16.881	134	961231	62.57	PPBV		99
102)	1,2,3-TRIMETHYLBENZENE	17.000	105	3311109	61.90	PPBV		100
103)	P-ISOPROPYLTOLUENE	17.071	134	1069730	62.40	PPBV		99
104)	N-BUTYLBENZENE	17.431	134	1119830	66.42	PPBV		100
105)	HEXACHLOROETHANE	17.608	117	1352760	84.53	PPBV		99
106)	HEXACHLOROBUTADIENE	18.662	225	1795989	70.14	PPBV		99
107)	1,2,4-TRICHLOROBENZENE	18.353	180	2392266	72.35	PPBV		99
108)	NAPHTHALENE	18.402	128	6097099	69.04	PPBV		99
110)	TVHC as equiv Pentane	2.303	TIC	3373992	43.59	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07983.D
Acq On : 19 Aug 2024 2:28 am
Operator : benk
Sample : ic305-50
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 03:05:15 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 03:03:31 2024
Response via : Initial Calibration

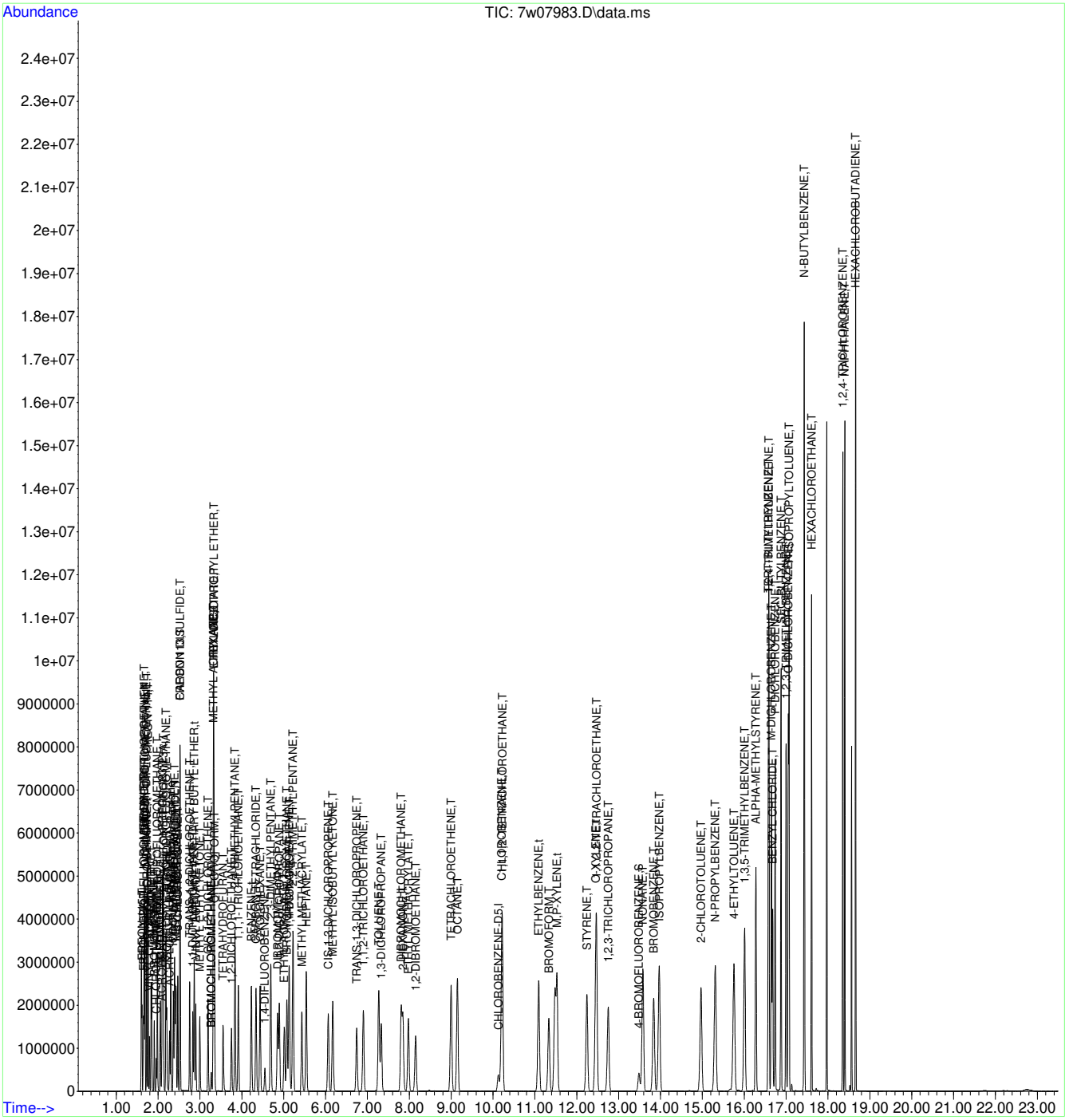
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07983.D
Acq On : 19 Aug 2024 2:28 am
Operator : benk
Sample : ic305-50
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 03:05:15 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 03:03:31 2024
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07990.D
Acq On : 19 Aug 2024 6:28 am
Operator : benk
Sample : icv305-10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 29 00:15:05 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.267	128	76227	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.547	114	379483	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.122	117	340309	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.267	128	76227	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.479	95	247947	9.93	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.614	119	109240	11.17	PPBV		99
3) FREON 152A	1.647	65	53753	10.19	PPBV		99
4) CHLORODIFLUOROMETHANE	1.656	67	25133	9.88	PPBV		97
5) CHLOROTRIFLUOROETHENE	1.669	116	122894	9.94	PPBV		96
6) DICHLORODIFLUOROMETHANE	1.685	85	332419	10.88	PPBV		100
7) PROPYLENE	1.669	41	70144	9.60	PPBV		99
8) 1-CHLORO-1,1-DIFLUOROE...	1.724	65	281408	11.00	PPBV		100
9) FREON 114	1.759	85	300241	11.55	PPBV		100
10) CHLOROMETHANE	1.730	52	38535	9.73	PPBV		99
11) VINYL CHLORIDE	1.791	62	125485	10.31	PPBV		98
12) 1,3-BUTADIENE	1.830	54	103362	10.44	PPBV		99
13) N-BUTANE	1.846	43	192783	10.67	PPBV		100
14) BROMOMETHANE	1.907	94	101749	10.45	PPBV		99
15) CHLOROETHANE	1.955	64	65638	10.53	PPBV		92
16) DICHLOROFLUOROMETHANE	1.981	67	265986	11.16	PPBV		99
17) ACETONITRILE	2.052	41	112948	9.54	PPBV		99
18) ACROLEIN	2.090	56	60791	10.23	PPBV		98
19) FREON 123	2.103	83	252173	10.42	PPBV		99
20) FREON 123A	2.119	117	145517	10.48	PPBV		99
21) TRICHLOROFLUOROMETHANE	2.187	101	303115	11.06	PPBV		100
22) ISOPROPYL ALCOHOL	2.212	45	271631	10.52	PPBV		99
23) ACETONE	2.132	58	65635	9.33	PPBV		98
24) PENTANE	2.303	42	132878	10.13	PPBV		99
25) IODOMETHANE	2.364	142	277095	11.72	PPBV		99
26) 1,1-DICHLOROETHYLENE	2.393	96	113020	11.08	PPBV		97
27) CARBON DISULFIDE	2.524	76	349631	11.76	PPBV		100
28) ETHANOL	1.991	45	58992	8.36	PPBV		99
29) BROMOETHENE	2.058	106	103369	11.10	PPBV		99
30) ACRYLONITRILE	2.274	52	96396	10.07	PPBV		99
31) METHYLENE CHLORIDE	2.428	84	104108	9.92	PPBV		96
32) 3-CHLOROPROPENE	2.470	76	56363	10.49	PPBV		93
33) FREON 113	2.524	151	183367	11.42	PPBV		99
34) TRANS-1,2-DICHLOROETHENE	2.753	96	107278	10.78	PPBV		100
35) TERTIARY BUTYL ALCOHOL	2.418	59	294471	11.88	PPBV		97
36) METHYL TERTIARY BUTYL ...	2.865	73	273981	10.96	PPBV		100
37) TETRAHYDROFURAN	3.556	72	51249	10.76	PPBV		97
38) HEXANE	3.319	57	196473	9.44	PPBV		100
39) VINYL ACETATE	2.901	86	25222	11.09	PPBV		87
40) 1,1-DICHLOROETHANE	2.827	63	191878	10.35	PPBV		100
41) METHYL ETHYL KETONE	2.997	72	52375	10.33	PPBV		99
42) CIS-1,2-DICHLOROETHENE	3.190	96	109602	10.39	PPBV		97
43) DIISOPROPYL ETHER	3.325	59	57566	10.63	PPBV		93
44) ETHYL ACETATE	3.328	61	39996	10.06	PPBV		99
45) METHYL ACRYLATE	3.315	55	245056	10.75	PPBV	#	26
46) CHLOROFORM	3.341	83	229319	10.75	PPBV		99
47) 2,4-DIMETHYLPENTANE	3.833	57	225377	10.13	PPBV		99
48) 1,1,1-TRICHLOROETHANE	3.910	97	204733	10.54	PPBV		97
49) CARBON TETRACHLORIDE	4.335	117	200635	10.52	PPBV		99

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07990.D
Acq On : 19 Aug 2024 6:28 am
Operator : benk
Sample : icv305-10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 29 00:15:05 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	3.749	62	169201	10.46	PPBV		99
51)	BENZENE	4.222	78	316278	10.07	PPBV		99
53)	CYCLOHEXANE	4.431	84	138874	10.36	PPBV		99
54)	2,3-DIMETHYLPENTANE	4.688	71	73542	10.71	PPBV		98
55)	TRICHLOROETHENE	5.122	95	147930	10.18	PPBV		99
56)	1,2-DICHLOROPROPANE	4.888	63	132436	10.24	PPBV		100
57)	DIBROMOMETHANE	4.849	174	125660	10.30	PPBV		99
58)	ETHYL ACRYLATE	5.010	55	296975	10.70	PPBV		99
59)	BROMODICHLOROMETHANE	5.068	83	239481	10.74	PPBV		100
60)	2,2,4-TRIMETHYLPENTANE	5.216	57	618959	10.08	PPBV		99
61)	1,4-DIOXANE	5.151	88	78243	9.84	PPBV	#	98
62)	HEPTANE	5.534	43	215703	10.00	PPBV		98
63)	METHYL METHACRYLATE	5.431	69	124844	10.75	PPBV		99
64)	METHYL ISOBUTYL KETONE	6.174	58	128395	9.67	PPBV		98
65)	CIS-1,3-DICHLOROPROPENE	6.058	75	172676	10.42	PPBV		98
66)	TOLUENE	7.264	91	409854	10.15	PPBV		99
67)	1,3-DICHLOROPROPANE	7.322	76	206984	10.43	PPBV		100
68)	TRANS-1,3-DICHLOROPROPENE	6.733	75	141799	10.43	PPBV		98
69)	1,1,2-TRICHLOROETHANE	6.894	83	119463	10.82	PPBV		99
70)	2-HEXANONE	7.852	58	184918	9.13	PPBV		100
71)	ETHYL METHACRYLATE	7.971	69	210624	10.97	PPBV		98
72)	TETRACHLOROETHENE	8.990	164	146582	10.16	PPBV		100
73)	DIBROMOCHLOROMETHANE	7.794	129	231313	10.94	PPBV		99
74)	1,2-DIBROMOETHANE	8.138	107	217379	11.18	PPBV		99
75)	OCTANE	9.141	43	307968	9.49	PPBV		98
77)	1,1,1,2-TETRACHLOROETHANE	10.212	131	157549	10.79	PPBV		99
78)	CHLOROBENZENE	10.199	112	345685	10.49	PPBV		99
79)	ETHYLBENZENE	11.080	91	562286	10.41	PPBV		99
80)	M,P-XYLENE	11.511	91	869508	20.39	PPBV		99
81)	O-XYLENE	12.440	91	442080	10.32	PPBV		97
82)	STYRENE	12.228	104	333475	10.76	PPBV		100
83)	NONANE	13.563	43	334870	9.89	PPBV		98
84)	BROMOFORM	11.315	173	199478	10.77	PPBV		99
85)	1,1,2,2-TETRACHLOROETHANE	12.456	83	324727	10.77	PPBV		99
86)	1,2,3-TRICHLOROPROPANE	12.736	75	250625	10.29	PPBV		100
88)	ISOPROPYLBENZENE	13.958	120	169216	10.43	PPBV		100
89)	BROMOBENZENE	13.820	77	313692	10.22	PPBV		99
90)	2-CHLOROTOLUENE	14.955	126	154799	10.41	PPBV		99
91)	N-PROPYLBENZENE	15.292	120	176747	10.58	PPBV		99
92)	4-ETHYLTOLUENE	15.742	105	631445	10.68	PPBV		100
93)	1,3,5-TRIMETHYLBENZENE	15.996	105	529517	10.64	PPBV		100
94)	ALPHA-METHYLSTYRENE	16.270	118	285116	10.78	PPBV		99
95)	TERT-BUTYLBENZENE	16.569	134	128929	10.83	PPBV		100
96)	1,2,4-TRIMETHYLBENZENE	16.578	105	562226	10.81	PPBV		99
97)	BENZYL CHLORIDE	16.668	91	224329	14.83	PPBV		100
98)	M-DICHLOROBENZENE	16.643	146	357907	10.31	PPBV		99
99)	P-DICHLOROBENZENE	16.730	146	364848	10.60	PPBV		100
100)	O-DICHLOROBENZENE	17.045	146	347951	10.47	PPBV		99
101)	SEC-BUTYLBENZENE	16.874	134	164754	11.00	PPBV		96
102)	1,2,3-TRIMETHYLBENZENE	16.993	105	547996	10.41	PPBV		99
103)	P-ISOPROPYLTOLUENE	17.064	134	181395	10.85	PPBV		99
104)	N-BUTYLBENZENE	17.427	134	180029	10.85	PPBV		97
105)	HEXACHLOROETHANE	17.604	117	174155	10.82	PPBV		100
106)	HEXACHLOROBUTADIENE	18.659	225	264758	10.60	PPBV		99
107)	1,2,4-TRICHLOROBENZENE	18.347	180	344052	10.34	PPBV		99
108)	NAPHTHALENE	18.395	128	945806	10.88	PPBV		100
110)	TVHC as equiv Pentane	2.303	TIC	662374	10.01	PPBV		100

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07990.D
Acq On : 19 Aug 2024 6:28 am
Operator : benk
Sample : icv305-10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 29 00:15:05 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

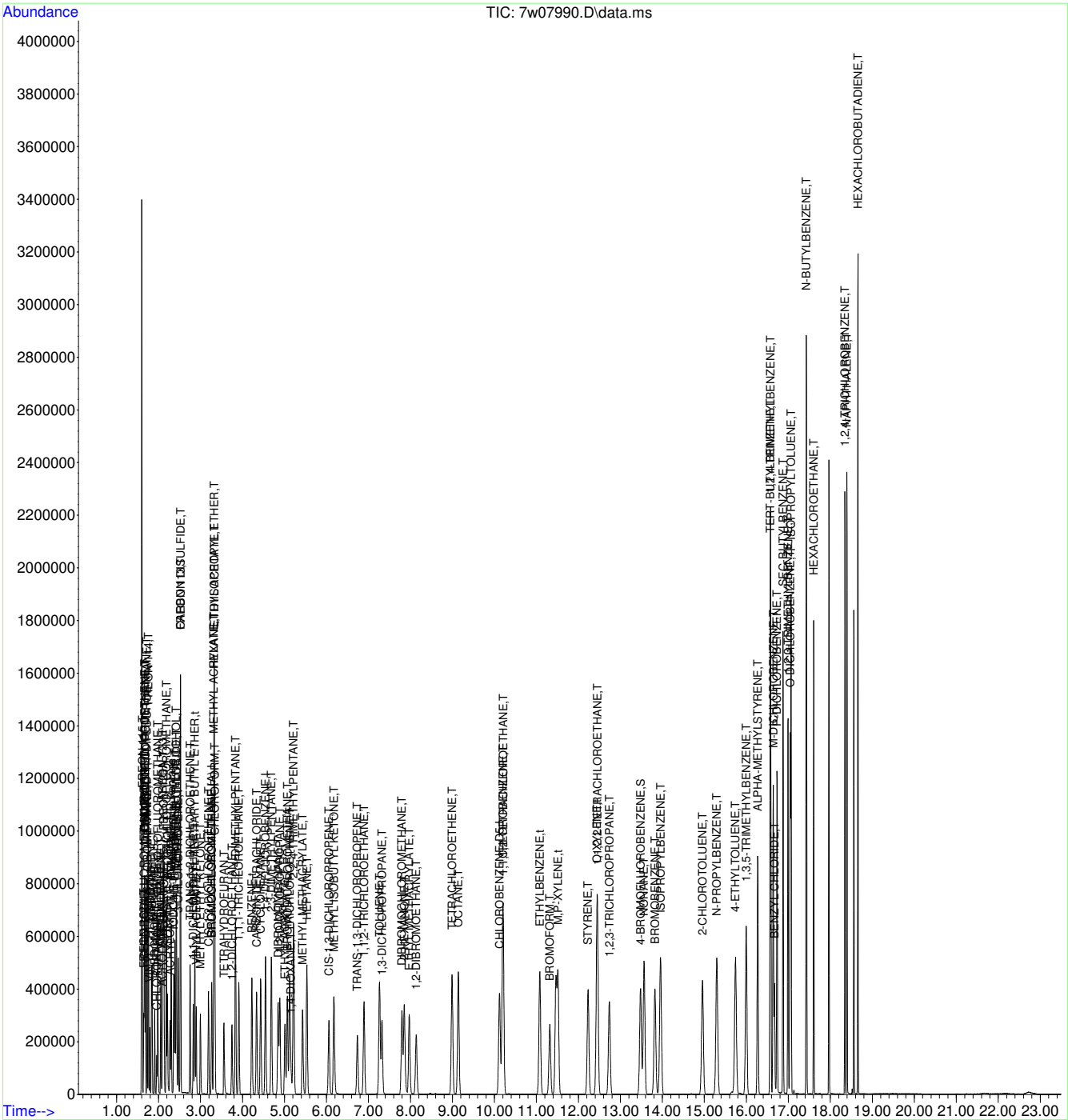
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07990.D
Acq On : 19 Aug 2024 6:28 am
Operator : benk
Sample : icv305-10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 29 00:15:05 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10576.D
Acq On : 18 Nov 2024 9:35 am
Operator : bkim
Sample : cc305-10 Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:25:37 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.277	128	60785	10.00	PPBV		0.01
52) 1,4-DIFLUOROBENZENE	4.554	114	318407	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.123	117	291110	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.277	128	60785	10.00	PPBV		0.01
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.479	95	198104	9.28	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.618	119	113904	14.6115	PPBV		97
3) FREON 152A	1.650	65	58252	13.8424	PPBV		86
4) CHLORODIFLUOROMETHANE	1.663	67	22548	11.1109	PPBV		98
5) CHLOROTRIFLUOROETHENE	1.673	116	126006	12.7755	PPBV		72
6) DICHLORODIFLUOROMETHANE	1.692	85	258130	10.5903	PPBV		96
7) PROPYLENE	1.670	41	73226	12.5735	PPBV		97
8) 1-CHLORO-1,1-DIFLUOROE...	1.727	65	176595	8.6534	PPBV		93
9) FREON 114	1.763	85	219367	10.5801	PPBV		96
10) CHLOROMETHANE	1.734	52	27990	8.8659	PPBV		93
11) VINYL CHLORIDE	1.798	62	98928	10.1918	PPBV		98
12) 1,3-BUTADIENE	1.837	54	78163	9.9046	PPBV		85
13) N-BUTANE	1.853	43	130976	9.0882	PPBV		97
14) BROMOMETHANE	1.914	94	79036	10.1826	PPBV		99
15) CHLOROETHANE	1.962	64	53235	10.7085	PPBV		88
16) DICHLOROFLUOROMETHANE	1.988	67	193041	10.1603	PPBV		97
17) ACETONITRILE	2.059	41	79921	8.4691	PPBV		98
18) ACROLEIN	2.097	56	45813	9.6699	PPBV		99
19) FREON 123	2.110	83	201941	10.4598	PPBV		98
20) FREON 123A	2.129	117	122795	11.0880	PPBV		96
21) TRICHLOROFLUOROMETHANE	2.194	101	218154	9.9806	PPBV		99
22) ISOPROPYL ALCOHOL	2.219	45	185164	8.9938	PPBV		95
23) ACETONE	2.139	58	55931	9.9687	PPBV		67
24) PENTANE	2.313	42	98623	9.4305	PPBV		92
25) IODOMETHANE	2.374	142	221386	11.7419	PPBV		90
26) 1,1-DICHLOROETHYLENE	2.399	96	84778	10.4231	PPBV		90
27) CARBON DISULFIDE	2.534	76	226201	9.5429	PPBV	#	91
28) ETHANOL	1.994	45	48617	8.6425	PPBV		98
29) BROMOETHENE	2.065	106	83038	11.1865	PPBV	#	97
30) ACRYLONITRILE	2.280	52	72323	9.4774	PPBV		96
31) METHYLENE CHLORIDE	2.438	84	75641	9.0358	PPBV		81
32) 3-CHLOROPROPENE	2.480	76	40143	9.3713	PPBV	#	64
33) FREON 113	2.531	151	133379	10.4200	PPBV		93
34) TRANS-1,2-DICHLOROETHENE	2.760	96	90620	11.4238	PPBV		97
35) TERTIARY BUTYL ALCOHOL	2.422	59	178450	9.0300	PPBV		92
36) METHYL TERTIARY BUTYL ...	2.872	73	237675	11.9255	PPBV		98
37) TETRAHYDROFURAN	3.563	72	45414	11.9586	PPBV		98
38) HEXANE	3.325	57	189796	11.4405	PPBV		89
39) VINYL ACETATE	2.907	86	21344	11.7644	PPBV		84
40) 1,1-DICHLOROETHANE	2.837	63	185111	12.5230	PPBV		99
41) METHYL ETHYL KETONE	3.007	72	48844	12.0820	PPBV		93
42) CIS-1,2-DICHLOROETHENE	3.200	96	95378	11.3375	PPBV		99
43) DIISOPROPYL ETHER	3.332	59	53282	12.3430	PPBV		85
44) ETHYL ACETATE	3.338	61	37519	11.8340	PPBV		80
45) METHYL ACRYLATE	3.322	55	218966	12.0500	PPBV	#	26
46) CHLOROFORM	3.348	83	183591	10.7906	PPBV		95
47) 2,4-DIMETHYLPENTANE	3.840	57	217186	12.2384	PPBV		97
48) 1,1,1-TRICHLOROETHANE	3.920	97	179721	11.6039	PPBV		96
49) CARBON TETRACHLORIDE	4.341	117	188242	12.3820	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10576.D
Acq On : 18 Nov 2024 9:35 am
Operator : bkim
Sample : cc305-10 Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:25:37 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	3.756	62	136186	10.5541	PPBV		99
51)	BENZENE	4.229	78	287054	11.4643	PPBV		97
53)	CYCLOHEXANE	4.438	84	122945	10.9323	PPBV		90
54)	2,3-DIMETHYLPENTANE	4.695	71	66429	11.5345	PPBV		92
55)	TRICHLOROETHENE	5.126	95	124262	10.1896	PPBV		97
56)	1,2-DICHLOROPROPANE	4.894	63	125410	11.5600	PPBV		94
57)	DIBROMOMETHANE	4.856	174	108654	10.6178	PPBV		92
58)	ETHYL ACRYLATE	5.013	55	267659	11.4928	PPBV		99
59)	BROMODICHLOROMETHANE	5.075	83	201360	10.7597	PPBV		99
60)	2,2,4-TRIMETHYLPENTANE	5.222	57	593969	11.5245	PPBV		98
61)	1,4-DIOXANE	5.152	88	67571	10.1241	PPBV	#	92
62)	HEPTANE	5.538	43	200831	11.0999	PPBV		98
63)	METHYL METHACRYLATE	5.435	69	111342	11.4310	PPBV		93
64)	METHYL ISOBUTYL KETONE	6.174	58	116688	10.4765	PPBV		88
65)	CIS-1,3-DICHLOROPROPENE	6.062	75	168984	12.1544	PPBV		86
66)	TOLUENE	7.267	91	344235	10.1611	PPBV		100
67)	1,3-DICHLOROPROPANE	7.325	76	174071	10.4582	PPBV		100
68)	TRANS-1,3-DICHLOROPROPENE	6.740	75	139249	12.2098	PPBV		85
69)	1,1,2-TRICHLOROETHANE	6.898	83	101012	10.9059	PPBV		98
70)	2-HEXANONE	7.849	58	163348	9.6093	PPBV		87
71)	ETHYL METHACRYLATE	7.972	69	179505	11.1440	PPBV		94
72)	TETRACHLOROETHENE	8.994	164	132275	10.9275	PPBV		97
73)	DIBROMOCHLOROMETHANE	7.801	129	200550	11.3029	PPBV		99
74)	1,2-DIBROMOETHANE	8.142	107	182038	11.1564	PPBV		100
75)	OCTANE	9.142	43	274062	10.0697	PPBV		98
77)	1,1,1,2-TETRACHLOROETHANE	10.209	131	144332	11.5604	PPBV		94
78)	CHLOROBENZENE	10.200	112	276377	9.8077	PPBV		99
79)	ETHYLBENZENE	11.081	91	454221	9.8333	PPBV		97
80)	M,P-XYLENE	11.508	91	696539	19.0900	PPBV		99
81)	O-XYLENE	12.441	91	354868	9.6873	PPBV		99
82)	STYRENE	12.232	104	275318	10.3876	PPBV		97
83)	NONANE	13.563	43	281389	9.7128	PPBV		94
84)	BROMOFORM	11.322	173	186323	11.7618	PPBV		99
85)	1,1,2,2-TETRACHLOROETHANE	12.454	83	264100	10.2355	PPBV		98
86)	1,2,3-TRICHLOROPROPANE	12.737	75	200411	9.6181	PPBV		100
88)	ISOPROPYLBENZENE	13.958	120	135526	9.7674	PPBV		94
89)	BROMOBENZENE	13.823	77	247703	9.4364	PPBV		95
90)	2-CHLOROTOLUENE	14.955	126	120539	9.4762	PPBV		99
91)	N-PROPYLBENZENE	15.299	120	141576	9.9091	PPBV		100
92)	4-ETHYLTOLUENE	15.740	105	515336	10.1876	PPBV		100
93)	1,3,5-TRIMETHYLBENZENE	15.994	105	416897	9.7951	PPBV		98
94)	ALPHA-METHYLSTYRENE	16.270	118	212144	9.3804	PPBV		99
95)	TERT-BUTYLBENZENE	16.569	134	102158	10.0338	PPBV		93
96)	1,2,4-TRIMETHYLBENZENE	16.579	105	434416	9.7670	PPBV		100
97)	BENZYL CHLORIDE	16.669	91	257456	19.8916	PPBV		97
98)	M-DICHLOROBENZENE	16.640	146	290983	9.8030	PPBV		97
99)	P-DICHLOROBENZENE	16.730	146	295431	10.0349	PPBV		97
100)	O-DICHLOROBENZENE	17.042	146	277787	9.7722	PPBV		97
101)	SEC-BUTYLBENZENE	16.875	134	130027	10.1472	PPBV		90
102)	1,2,3-TRIMETHYLBENZENE	16.990	105	415375	9.2243	PPBV		99
103)	P-ISOPROPYLTOLUENE	17.064	134	139585	9.7620	PPBV		94
104)	N-BUTYLBENZENE	17.421	134	139967	9.8616	PPBV		88
105)	HEXACHLOROETHANE	17.598	117	159918	11.6099	PPBV		96
106)	HEXACHLOROBUTADIENE	18.650	225	220878	10.3419	PPBV		99
107)	1,2,4-TRICHLOROBENZENE	18.341	180	269758	9.4800	PPBV		100
108)	NAPHTHALENE	18.386	128	626781	8.4309	PPBV		100
110)	TVHC as equiv Pentane	2.313	TIC	466760	8.8472	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10576.D
Acq On : 18 Nov 2024 9:35 am
Operator : bkim
Sample : cc305-10 Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:25:37 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

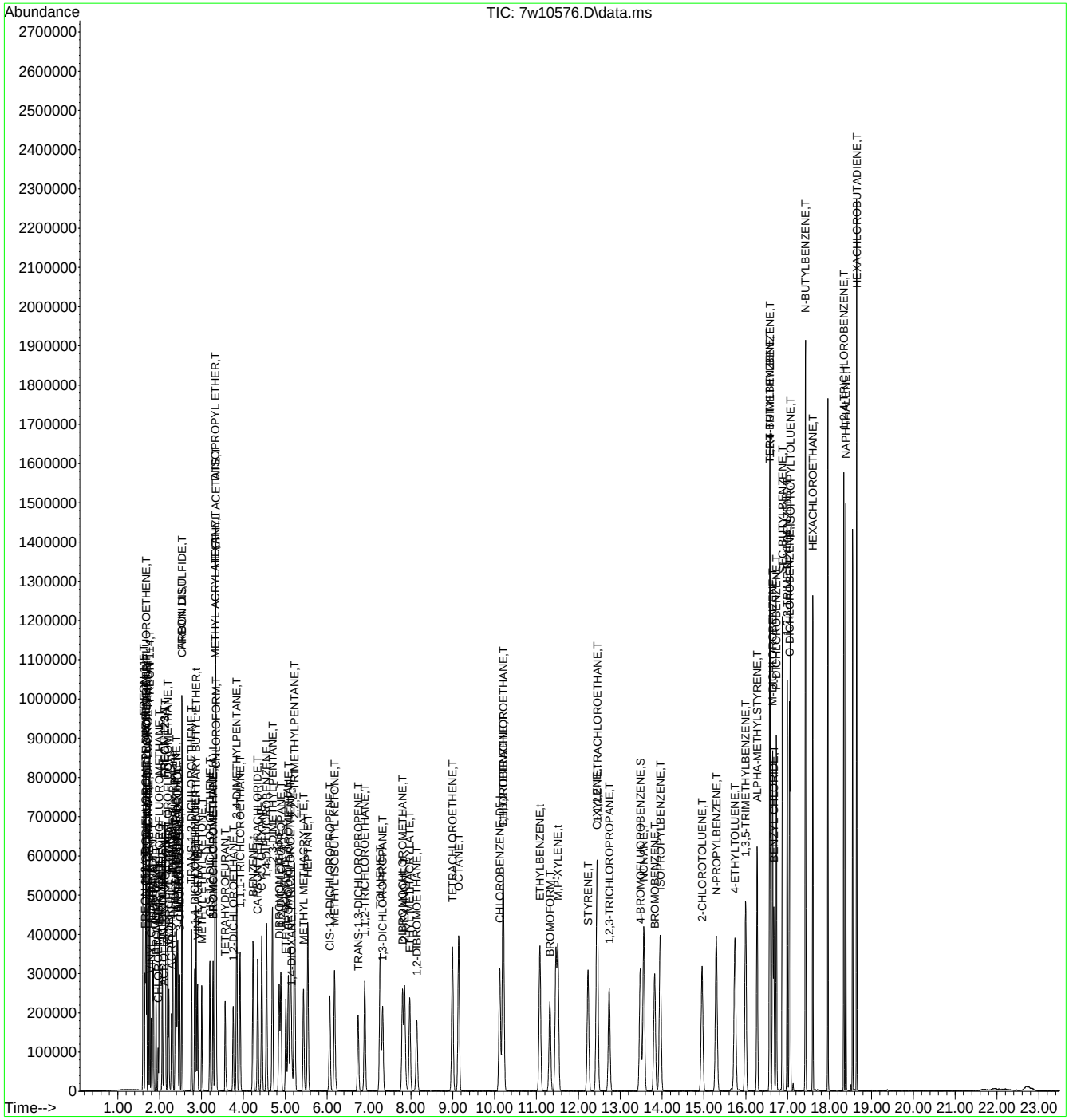
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10576.D
Acq On : 18 Nov 2024 9:35 am
Operator : bkim
Sample : cc305-10 Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:25:37 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 11/25/24 17:07

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V7W392\
Data File : 7w10743.D
Acq On : 25 Nov 2024 9:11 am
Operator : williamc
Sample : cc305-10 Inst : MS7W
Misc : MS87372,v7w392,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 21:29:53 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.274	128	72713	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.553	114	383789	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.122	117	314273	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.274	128	72713	10.00	PPBV	0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.482	95	225172	9.77	PPBV	0.00
Target Compounds						Qvalue
2) FREON 115	1.621	119	124218	13.3206	PPBV	95
3) FREON 152A	1.650	65	65766	13.0643	PPBV	94
4) CHLORODIFLUOROMETHANE	1.663	67	28304	11.6593	PPBV	95
5) CHLOROTRIFLUOROETHENE	1.676	116	133573	11.3211	PPBV	85
6) DICHLORODIFLUOROMETHANE	1.692	85	309467	10.6137	PPBV	99
7) PROPYLENE	1.673	41	82127	11.7885	PPBV	98
8) 1-CHLORO-1,1-DIFLUOROE...	1.730	65	265152	10.8615	PPBV	97
9) FREON 114	1.766	85	287257	11.5817	PPBV	96
10) CHLOROMETHANE	1.737	52	39678	10.5064	PPBV	99
11) VINYL CHLORIDE	1.798	62	137113	11.8085	PPBV	100
12) 1,3-BUTADIENE	1.840	54	109490	11.5983	PPBV	93
13) N-BUTANE	1.856	43	197186	11.4379	PPBV	99
14) BROMOMETHANE	1.914	94	96846	10.4304	PPBV	99
15) CHLOROETHANE	1.965	64	67594	11.3665	PPBV	98
16) DICHLOROFLUOROMETHANE	1.991	67	252271	11.0997	PPBV	99
17) ACETONITRILE	2.062	41	111438	9.8717	PPBV	100
18) ACROLEIN	2.100	56	56560	9.9799	PPBV	98
19) FREON 123	2.113	83	250554	10.8489	PPBV	99
20) FREON 123A	2.129	117	139203	10.5076	PPBV	88
21) TRICHLOROFLUOROMETHANE	2.197	101	262872	10.0537	PPBV	99
22) ISOPROPYL ALCOHOL	2.219	45	245998	9.9886	PPBV	98
23) ACETONE	2.139	58	69188	10.3086	PPBV	85
24) PENTANE	2.312	42	135548	10.8352	PPBV	96
25) IODOMETHANE	2.373	142	236333	10.4784	PPBV	98
26) 1,1-DICHLOROETHYLENE	2.399	96	104831	10.7743	PPBV	93
27) CARBON DISULFIDE	2.534	76	314081m	11.0767	PPBV	
28) ETHANOL	1.997	45	71616	10.6426	PPBV	99
29) BROMOETHENE	2.068	106	93881	10.5726	PPBV	98
30) ACRYLONITRILE	2.283	52	94413	10.3426	PPBV	98
31) METHYLENE CHLORIDE	2.438	84	100876	10.0735	PPBV	99
32) 3-CHLOROPROPENE	2.476	76	55680	10.8661	PPBV	94
33) FREON 113	2.531	151	146739	9.5832	PPBV	91
34) TRANS-1,2-DICHLOROETHENE	2.759	96	100171	10.5563	PPBV	95
35) TERTIARY BUTYL ALCOHOL	2.425	59	251539	10.6405	PPBV	96
36) METHYL TERTIARY BUTYL ...	2.872	73	281716	11.8165	PPBV	99
37) TETRAHYDROFURAN	3.563	72	53016	11.6703	PPBV	96
38) HEXANE	3.325	57	218443	11.0073	PPBV	93
39) VINYL ACETATE	2.907	86	24929	11.4864	PPBV	81
40) 1,1-DICHLOROETHANE	2.836	63	221068	12.5022	PPBV	99
41) METHYL ETHYL KETONE	3.004	72	57471	11.8839	PPBV	89
42) CIS-1,2-DICHLOROETHENE	3.200	96	114625	11.3902	PPBV	98
43) DIISOPROPYL ETHER	3.332	59	61884	11.9841	PPBV	85
44) ETHYL ACETATE	3.338	61	44813	11.8159	PPBV	79
45) METHYL ACRYLATE	3.322	55	257381	11.8406	PPBV #	26
46) CHLOROFORM	3.348	83	228133	11.2090	PPBV	98
47) 2,4-DIMETHYLPENTANE	3.840	57	249533	11.7545	PPBV	98
48) 1,1,1-TRICHLOROETHANE	3.920	97	217871	11.7595	PPBV	98
49) CARBON TETRACHLORIDE	4.338	117	215033	11.8240	PPBV	98

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V7W392\
Data File : 7w10743.D
Acq On : 25 Nov 2024 9:11 am
Operator : williamc
Sample : cc305-10 Inst : MS7W
Misc : MS87372,v7w392,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 21:29:53 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50) 1,2-DICHLOROETHANE	3.753	62	173683	11.2520	PPBV		99
51) BENZENE	4.229	78	334442	11.1657	PPBV		98
53) CYCLOHEXANE	4.438	84	150415	11.0964	PPBV		99
54) 2,3-DIMETHYLPENTANE	4.692	71	78602	11.3231	PPBV		96
55) TRICHLOROETHENE	5.126	95	150275	10.2234	PPBV		98
56) 1,2-DICHLOROPROPANE	4.894	63	148037	11.3210	PPBV		96
57) DIBROMOMETHANE	4.852	174	127543	10.3404	PPBV		97
58) ETHYL ACRYLATE	5.013	55	310535	11.0623	PPBV		99
59) BROMODICHLOROMETHANE	5.071	83	246347	10.9211	PPBV		100
60) 2,2,4-TRIMETHYLPENTANE	5.222	57	676249	10.8857	PPBV		98
61) 1,4-DIOXANE	5.151	88	80126	9.9600	PPBV	#	95
62) HEPTANE	5.537	43	222238	10.1905	PPBV		95
63) METHYL METHACRYLATE	5.434	69	129696	11.0470	PPBV		95
64) METHYL ISOBUTYL KETONE	6.177	58	134511	10.0193	PPBV		91
65) CIS-1,3-DICHLOROPROPENE	6.061	75	200693	11.9759	PPBV		91
66) TOLUENE	7.267	91	404008	9.8938	PPBV		99
67) 1,3-DICHLOROPROPANE	7.325	76	209319	10.4335	PPBV		100
68) TRANS-1,3-DICHLOROPROPENE	6.740	75	166232	12.0926	PPBV		91
69) 1,1,2-TRICHLOROETHANE	6.897	83	123583	11.0697	PPBV		98
70) 2-HEXANONE	7.846	58	186755	9.1146	PPBV		91
71) ETHYL METHACRYLATE	7.971	69	210548	10.8444	PPBV		96
72) TETRACHLOROETHENE	8.994	164	158430	10.8586	PPBV		97
73) DIBROMOCHLOROMETHANE	7.798	129	232603	10.8761	PPBV		100
74) 1,2-DIBROMOETHANE	8.138	107	222069	11.2912	PPBV		99
75) OCTANE	9.142	43	309112	9.4227	PPBV		96
77) 1,1,1,2-TETRACHLOROETHANE	10.212	131	172209	12.7766	PPBV		96
78) CHLOROBENZENE	10.196	112	333442	10.9606	PPBV		100
79) ETHYLBENZENE	11.080	91	532047	10.6692	PPBV		96
80) M,P-XYLENE	11.508	91	818693	20.7842	PPBV		98
81) O-XYLENE	12.444	91	420763	10.6396	PPBV		97
82) STYRENE	12.232	104	322337	11.2653	PPBV		98
83) NONANE	13.563	43	327222	10.4623	PPBV		94
84) BROMOFORM	11.322	173	202757	11.8558	PPBV		99
85) 1,1,2,2-TETRACHLOROETHANE	12.457	83	324802	11.6603	PPBV		99
86) 1,2,3-TRICHLOROPROPANE	12.740	75	245284	10.9040	PPBV		100
88) ISOPROPYLBENZENE	13.952	120	164061	10.9524	PPBV		96
89) BROMOBENZENE	13.823	77	297385	10.4941	PPBV		98
90) 2-CHLOROTOLUENE	14.958	126	147296	10.7262	PPBV		99
91) N-PROPYLBENZENE	15.296	120	172351	11.1740	PPBV		98
92) 4-ETHYLTOLUENE	15.743	105	604172	11.0635	PPBV		99
93) 1,3,5-TRIMETHYLBENZENE	15.997	105	495028	10.7735	PPBV		98
94) ALPHA-METHYLSTYRENE	16.270	118	253766	10.3938	PPBV		99
95) TERT-BUTYLBENZENE	16.572	134	124432	11.3208	PPBV		95
96) 1,2,4-TRIMETHYLBENZENE	16.579	105	527071	10.9768	PPBV		99
97) BENZYL CHLORIDE	16.669	91	298306	21.3491	PPBV		97
98) M-DICHLOROBENZENE	16.640	146	348032	10.8608	PPBV		98
99) P-DICHLOROBENZENE	16.733	146	352021	11.0758	PPBV		98
100) O-DICHLOROBENZENE	17.045	146	330611	10.7733	PPBV		98
101) SEC-BUTYLBENZENE	16.874	134	158601	11.4649	PPBV		92
102) 1,2,3-TRIMETHYLBENZENE	16.990	105	507380	10.4370	PPBV		98
103) P-ISOPROPYLTOLUENE	17.064	134	175712	11.3829	PPBV		92
104) N-BUTYLBENZENE	17.424	134	173477	11.3217	PPBV		92
105) HEXACHLOROETHANE	17.601	117	191640	12.8875	PPBV		95
106) HEXACHLOROBUTADIENE	18.656	225	269973	11.7090	PPBV		99
107) 1,2,4-TRICHLOROBENZENE	18.347	180	332707	10.8304	PPBV		99
108) NAPHTHALENE	18.395	128	752557	9.3766	PPBV		100
110) TVHC as equiv Pentane	2.312	TIC	649553	10.2923	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V7W392\
Data File : 7w10743.D
Acq On : 25 Nov 2024 9:11 am
Operator : williamc
Sample : cc305-10 Inst : MS7W
Misc : MS87372,v7w392,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 21:29:53 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

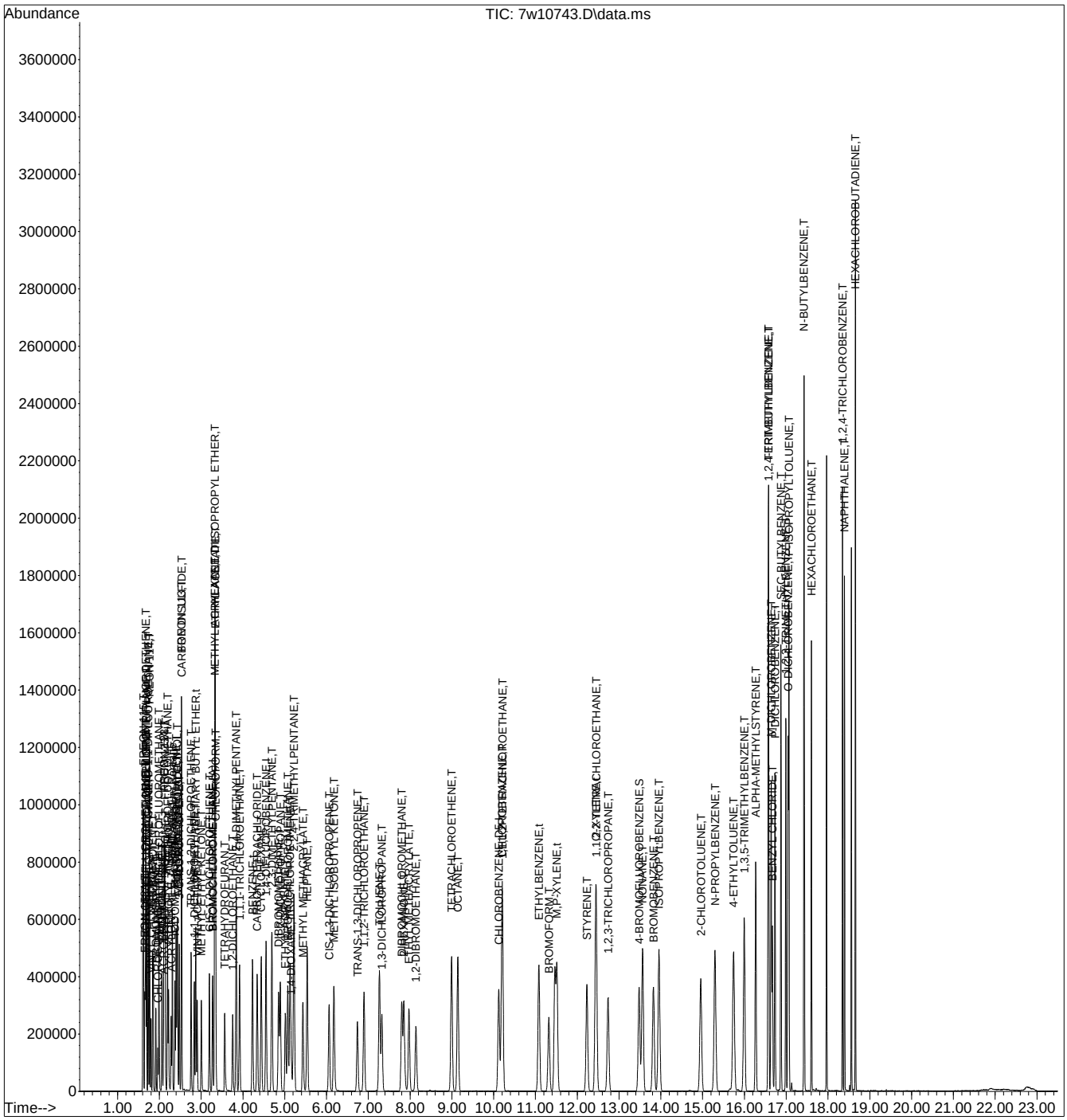
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V7W392\
Data File : 7w10743.D
Acq On : 25 Nov 2024 9:11 am
Operator : williamc
Sample : cc305-10 Inst : MS7W
Misc : MS87372,v7w392,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 21:29:53 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



Manual Integration Approval Summary

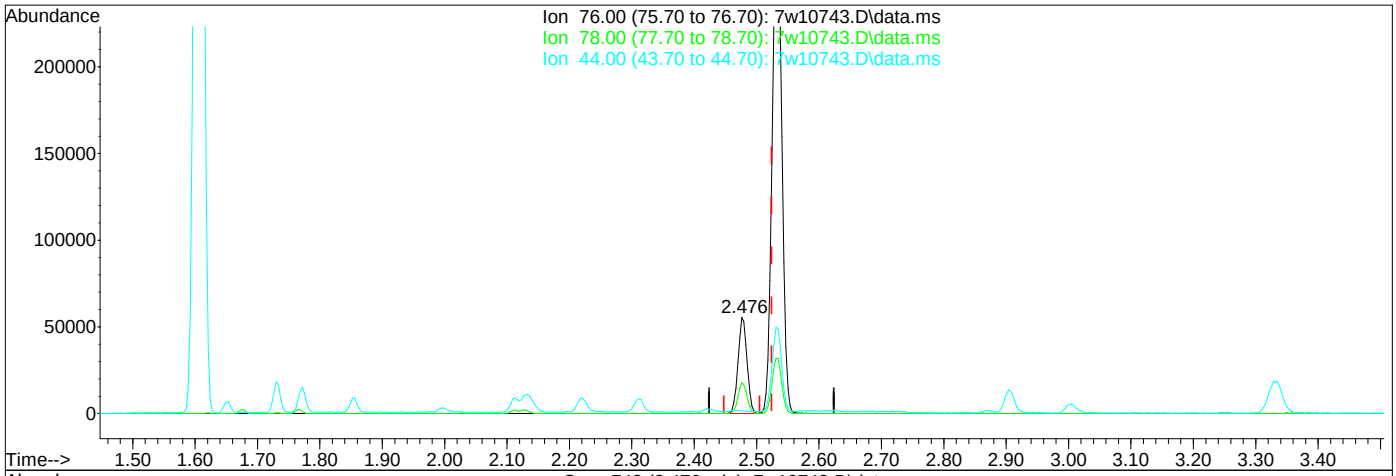
Sample Number: V7W392-CC305 **Method:** TO-15
Lab FileID: 7W10743.D **Analyst approved:** 11/25/24 16:53 Geralyn Gomez
Injection Time: 11/25/24 09:11 **Supervisor approved:** 11/25/24 17:07 Kanya Veerawat

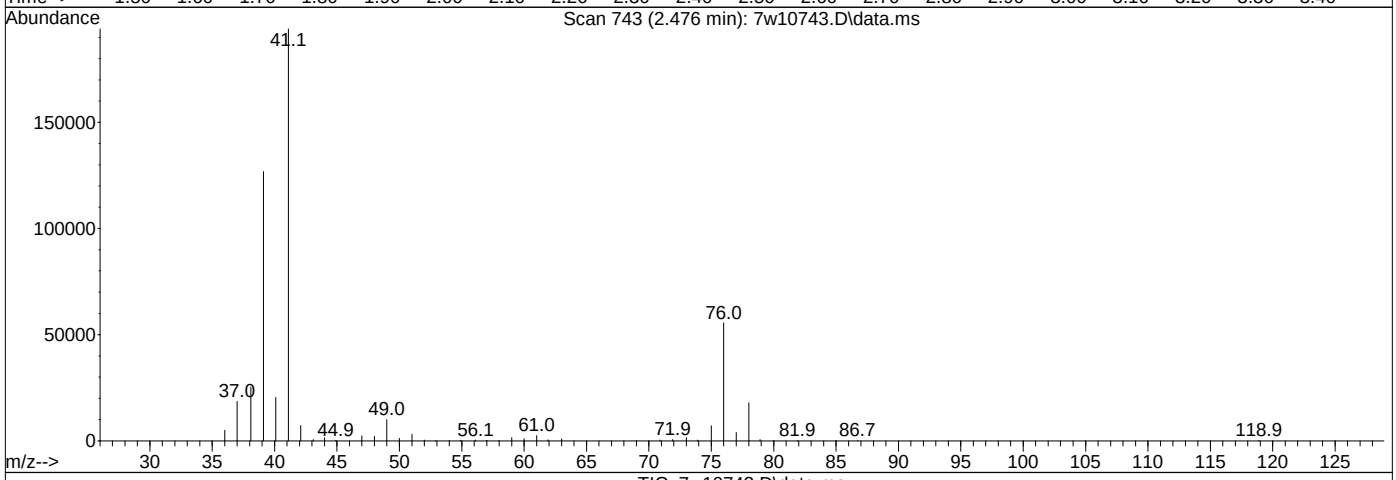
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon disulfide	75-15-0		2.53	Missed peak

Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V7W392\
Data File : 7w10743.D
Acq On : 25 Nov 2024 9:11 am
Operator : williamc
Sample : cc305-10 Inst : MS7W
Misc : MS87372,v7w392,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 20:58:12 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration





TIC: 7w10743.D\data.ms

(27) CARBON DISULFIDE (T)

2.476min (-0.048) 1.97PPBV

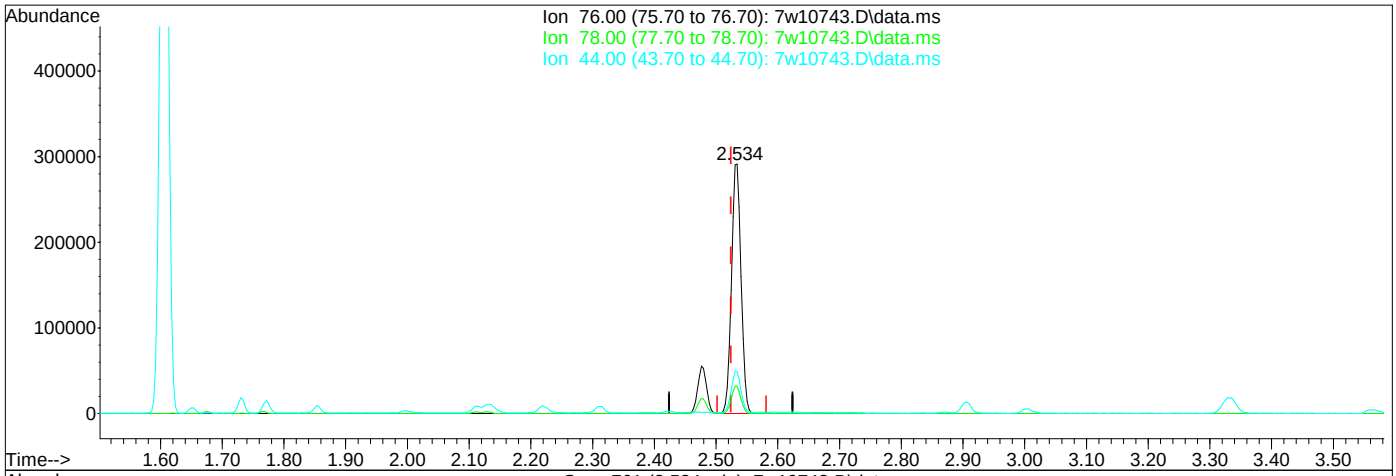
response 55719

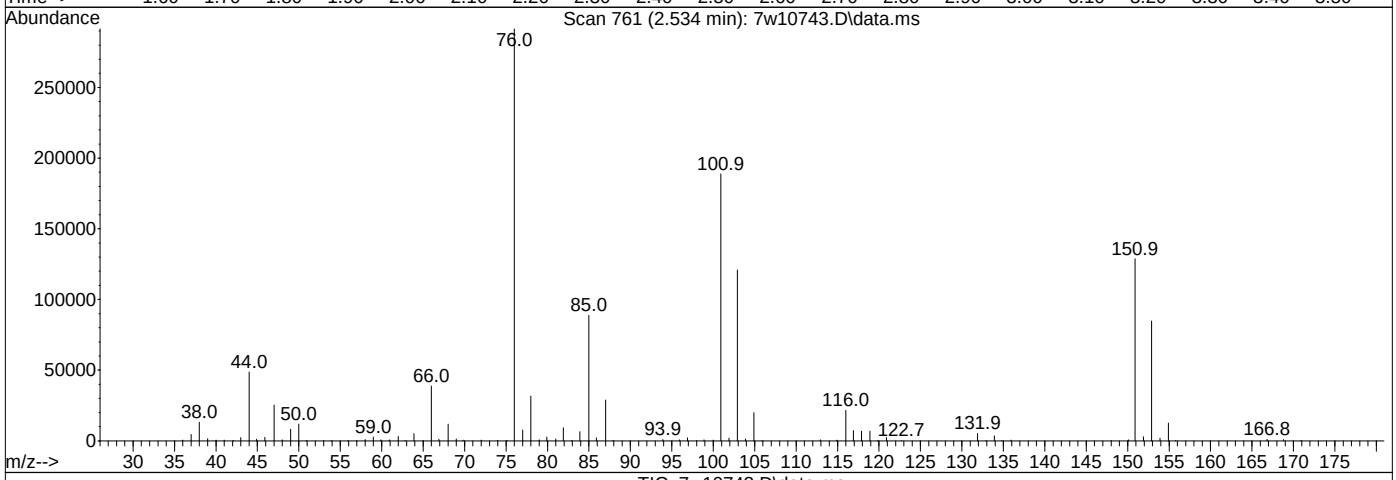
Ion	Exp%	Act%
76.00	100	100
78.00	11.40	32.48#
44.00	19.10	1.91#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V7W392\
Data File : 7w10743.D
Acq On : 25 Nov 2024 9:11 am
Operator : williamc
Sample : cc305-10 Inst : MS7W
Misc : MS87372,v7w392,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 20:58:12 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration





TIC: 7w10743.D\data.ms

(27) CARBON DISULFIDE (T)

2.534min (+0.010) 11.08PPBV m

response 314081

Ion	Exp%	Act%
76.00	100	100
78.00	11.40	5.76#
44.00	19.10	0.34#
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 12/03/24 17:38

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w10810.D
Acq On : 27 Nov 2024 6:54 pm
Operator : benk
Sample : cc305-10
Misc : MS87455,v7w394,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 27 19:20:55 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.274	128	66164	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.553	114	360115	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.122	117	308758	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.274	128	66164	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.476	95	195438	8.63	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.618	119	112676	13.28	PPBV		86
3) FREON 152A	1.647	65	64359	14.05	PPBV		86
4) CHLORODIFLUOROMETHANE	1.660	67	23376	10.58	PPBV		99
5) CHLOROTRIFLUOROETHENE	1.672	116	129548	12.07	PPBV		82
6) DICHLORODIFLUOROMETHANE	1.689	85	292962	11.04	PPBV		95
7) PROPYLENE	1.669	41	87998	13.88	PPBV		97
8) 1-CHLORO-1,1-DIFLUOROE...	1.727	65	182976	8.24	PPBV	#	91
9) FREON 114	1.762	85	266292	11.80	PPBV		95
10) CHLOROMETHANE	1.734	52	32293	9.40	PPBV		98
11) VINYL CHLORIDE	1.795	62	111922	10.59	PPBV		99
12) 1,3-BUTADIENE	1.833	54	92248	10.74	PPBV		86
13) N-BUTANE	1.849	43	159773	10.19	PPBV		99
14) BROMOMETHANE	1.910	94	103962	12.31	PPBV		98
15) CHLOROETHANE	1.962	64	59766	11.04	PPBV		89
16) DICHLOROFLUOROMETHANE	1.988	67	217830	10.53	PPBV	#	97
17) ACETONITRILE	2.058	41	99683	9.70	PPBV		98
18) ACROLEIN	2.097	56	52530	10.19	PPBV		98
19) FREON 123	2.110	83	259266	12.34	PPBV		98
20) FREON 123A	2.126	117	153226	12.71	PPBV		85
21) TRICHLOROFLUOROMETHANE	2.193	101	242249	10.18	PPBV		99
22) ISOPROPYL ALCOHOL	2.216	45	217454	9.70	PPBV		94
23) ACETONE	2.135	58	61825	10.12	PPBV		66
24) PENTANE	2.309	42	120649	10.60	PPBV		89
25) IODOMETHANE	2.370	142	277225	13.51	PPBV		81
26) 1,1-DICHLOROETHYLENE	2.399	96	112561	12.71	PPBV		70
27) CARBON DISULFIDE	2.531	76	295469m	11.45	PPBV		
28) ETHANOL	1.994	45	64400	10.52	PPBV		97
29) BROMOETHENE	2.065	106	107629	13.32	PPBV	#	96
30) ACRYLONITRILE	2.280	52	89222	10.74	PPBV		97
31) METHYLENE CHLORIDE	2.434	84	101512	11.14	PPBV		74
32) 3-CHLOROPROPENE	2.476	76	52747	11.31	PPBV	#	57
33) FREON 113	2.531	151	169613	12.17	PPBV		95
34) TRANS-1,2-DICHLOROETHENE	2.759	96	113274	13.12	PPBV		87
35) TERTIARY BUTYL ALCOHOL	2.422	59	188059	8.74	PPBV		95
36) METHYL TERTIARY BUTYL ...	2.872	73	268241	12.36	PPBV		97
37) TETRAHYDROFURAN	3.563	72	53297	12.89	PPBV		100
38) HEXANE	3.325	57	205169	11.36	PPBV		92
39) VINYL ACETATE	2.904	86	26334	13.33	PPBV		80
40) 1,1-DICHLOROETHANE	2.833	63	198960	12.37	PPBV		99
41) METHYL ETHYL KETONE	3.004	72	57073	12.97	PPBV		97
42) CIS-1,2-DICHLOROETHENE	3.200	96	112799	12.32	PPBV		93
43) DIISOPROPYL ETHER	3.335	59	59599	12.68	PPBV		99
44) ETHYL ACETATE	3.338	61	43761	12.68	PPBV		85
45) METHYL ACRYLATE	3.322	55	248421	12.56	PPBV	#	26
46) CHLOROFORM	3.348	83	217772	11.76	PPBV		96
47) 2,4-DIMETHYLPENTANE	3.840	57	236650	12.25	PPBV		99
48) 1,1,1-TRICHLOROETHANE	3.920	97	193764	11.49	PPBV		95
49) CARBON TETRACHLORIDE	4.341	117	181175	10.95	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w10810.D
Acq On : 27 Nov 2024 6:54 pm
Operator : benk
Sample : cc305-10
Misc : MS87455,v7w394,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 27 19:20:55 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	3.756	62	138076	9.83	PPBV	#	98
51)	BENZENE	4.229	78	344121	12.63	PPBV		94
53)	CYCLOHEXANE	4.438	84	146149	11.49	PPBV		99
54)	2,3-DIMETHYLPENTANE	4.692	71	78534	12.06	PPBV		94
55)	TRICHLOROETHENE	5.126	95	146969	10.66	PPBV		95
56)	1,2-DICHLOROPROPANE	4.894	63	140268	11.43	PPBV		94
57)	DIBROMOMETHANE	4.852	174	111226	9.61	PPBV		95
58)	ETHYL ACRYLATE	5.013	55	305336	11.59	PPBV		99
59)	BROMODICHLOROMETHANE	5.074	83	235910	11.15	PPBV		98
60)	2,2,4-TRIMETHYLPENTANE	5.219	57	639430	10.97	PPBV		97
61)	1,4-DIOXANE	5.151	88	84209	11.16	PPBV	#	98
62)	HEPTANE	5.537	43	231224	11.30	PPBV		99
63)	METHYL METHACRYLATE	5.434	69	134566	12.22	PPBV		92
64)	METHYL ISOBUTYL KETONE	6.177	58	131981	10.48	PPBV		99
65)	CIS-1,3-DICHLOROPROPENE	6.061	75	194738	12.38	PPBV		86
66)	TOLUENE	7.264	91	417327	10.89	PPBV		98
67)	1,3-DICHLOROPROPANE	7.325	76	206521	10.97	PPBV		99
68)	TRANS-1,3-DICHLOROPROPENE	6.737	75	157832	12.24	PPBV		85
69)	1,1,2-TRICHLOROETHANE	6.897	83	125482	11.98	PPBV		97
70)	2-HEXANONE	7.846	58	187434	9.75	PPBV		96
71)	ETHYL METHACRYLATE	7.971	69	220183	12.09	PPBV		93
72)	TETRACHLOROETHENE	8.994	164	139115	10.16	PPBV		98
73)	DIBROMOCHLOROMETHANE	7.801	129	203519	10.14	PPBV		99
74)	1,2-DIBROMOETHANE	8.138	107	214754	11.64	PPBV		99
75)	OCTANE	9.142	43	326404	10.60	PPBV		98
77)	1,1,1,2-TETRACHLOROETHANE	10.212	131	144417	10.91	PPBV		100
78)	CHLOROBENZENE	10.199	112	311741	10.43	PPBV		97
79)	ETHYLBENZENE	11.080	91	542118	11.07	PPBV		99
80)	M,P-XYLENE	11.505	91	812646	21.00	PPBV		99
81)	O-XYLENE	12.441	91	405740	10.44	PPBV		99
82)	STYRENE	12.228	104	322952	11.49	PPBV		97
83)	NONANE	13.563	43	320556	10.43	PPBV		97
84)	BROMOFORM	11.318	173	162466	9.67	PPBV		100
85)	1,1,2,2-TETRACHLOROETHANE	12.453	83	324429	11.85	PPBV		99
86)	1,2,3-TRICHLOROPROPANE	12.736	75	228461	10.34	PPBV		100
88)	ISOPROPYLBENZENE	13.955	120	134053	9.11	PPBV		98
89)	BROMOBENZENE	13.820	77	272247	9.78	PPBV		89
90)	2-CHLOROTOLUENE	14.955	126	117943	8.74	PPBV		99
91)	N-PROPYLBENZENE	15.299	120	140341	9.26	PPBV		99
92)	4-ETHYLTOLUENE	15.739	105	529050	9.86	PPBV		97
93)	1,3,5-TRIMETHYLBENZENE	15.997	105	427830	9.48	PPBV		98
94)	ALPHA-METHYLSTYRENE	16.270	118	217902	9.08	PPBV		99
95)	TERT-BUTYLBENZENE	16.569	134	96979	8.98	PPBV		99
96)	1,2,4-TRIMETHYLBENZENE	16.579	105	450307	9.55	PPBV		96
97)	BENZYL CHLORIDE	16.669	91	271156	19.75	PPBV		97
98)	M-DICHLOROBENZENE	16.640	146	268341	8.52	PPBV		99
99)	P-DICHLOROBENZENE	16.733	146	271386	8.69	PPBV		99
100)	O-DICHLOROBENZENE	17.042	146	259391	8.60	PPBV		98
101)	SEC-BUTYLBENZENE	16.874	134	120273	8.85	PPBV		84
102)	1,2,3-TRIMETHYLBENZENE	16.990	105	433575	9.08	PPBV		98
103)	P-ISOPROPYLTOLUENE	17.064	134	132376	8.73	PPBV		98
104)	N-BUTYLBENZENE	17.424	134	135637	9.01	PPBV		83
105)	HEXACHLOROETHANE	17.601	117	151917	10.40	PPBV		96
106)	HEXACHLOROBUTADIENE	18.652	225	176028	7.77	PPBV		99
107)	1,2,4-TRICHLOROBENZENE	18.344	180	239821	7.95	PPBV		99
108)	NAPHTHALENE	18.389	128	649907	8.24	PPBV		100
110)	TVHC as equiv Pentane	2.309	TIC	542459	9.45	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w10810.D
Acq On : 27 Nov 2024 6:54 pm
Operator : benk
Sample : cc305-10
Misc : MS87455,v7w394,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 27 19:20:55 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

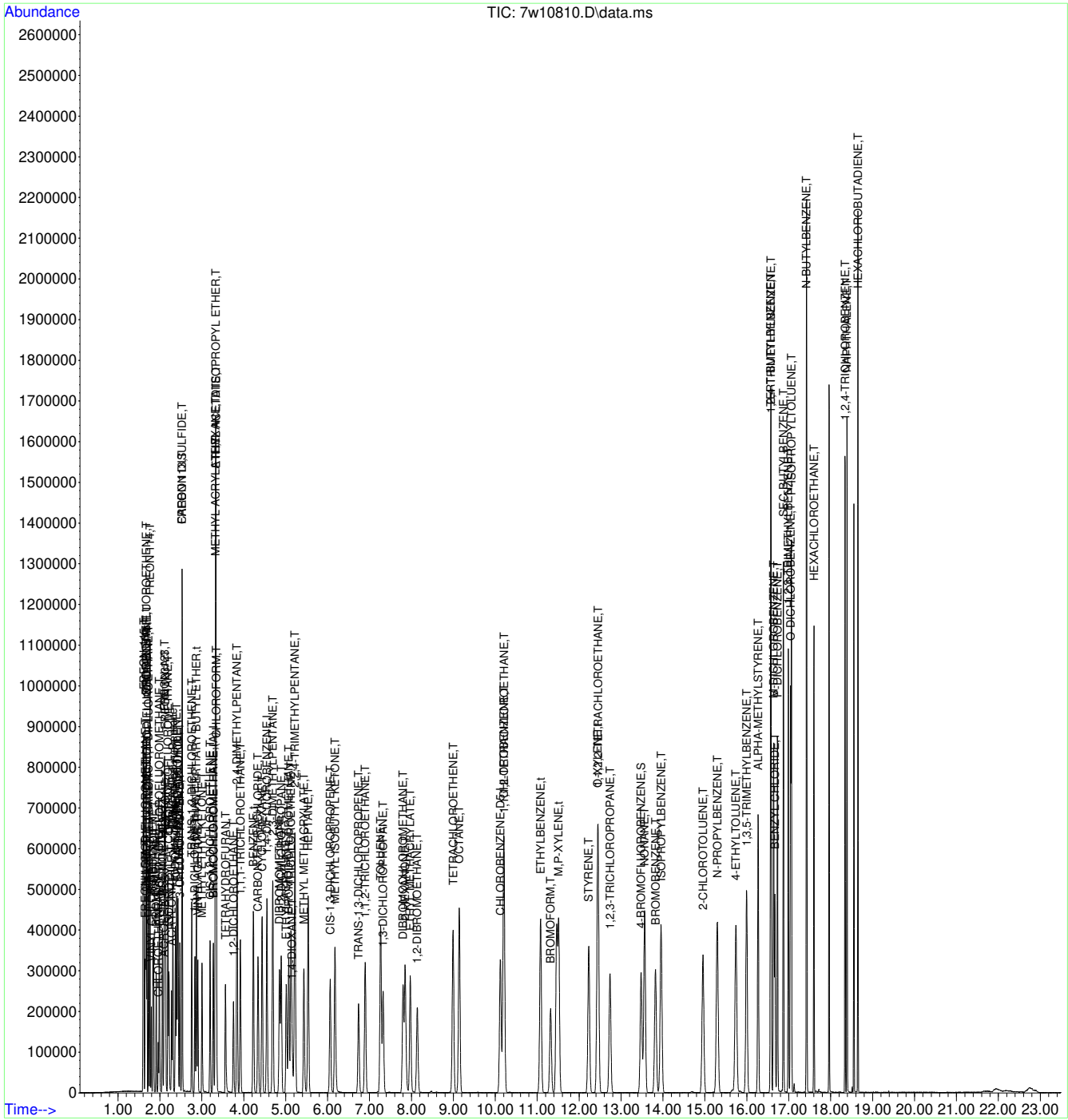
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w10810.D
Acq On : 27 Nov 2024 6:54 pm
Operator : benk
Sample : cc305-10
Misc : MS87455,v7w394,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 27 19:20:55 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



Manual Integration Approval Summary

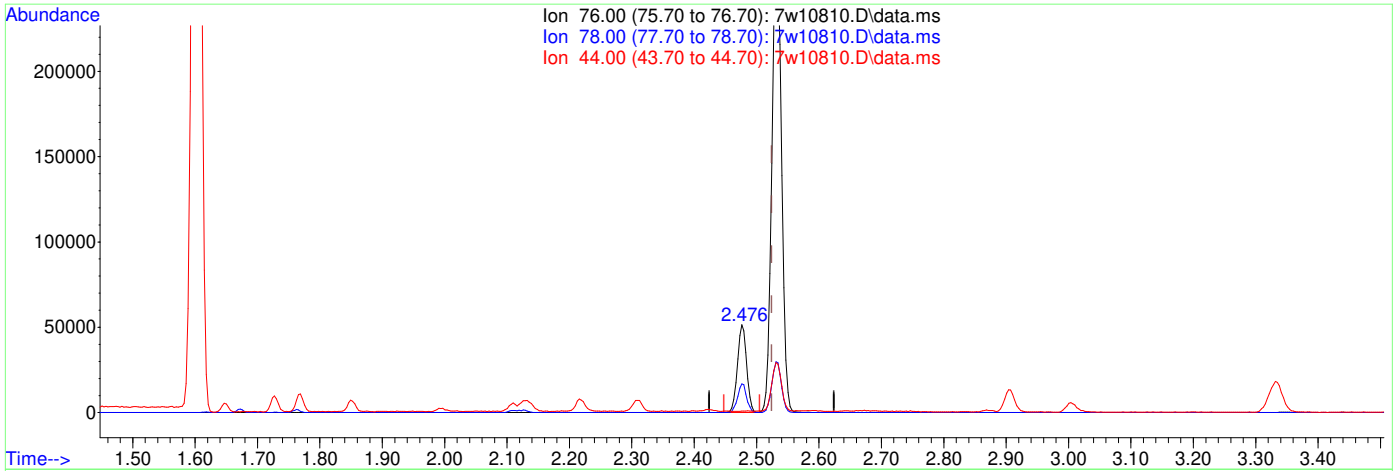
Sample Number: V7W394-CC305 **Method:** TO-15
Lab FileID: 7W10810.D **Analyst approved:** 11/30/24 15:58 Benjamin Kim
Injection Time: 11/27/24 18:54 **Supervisor approved:** 12/03/24 17:38 Kanya Veerawat

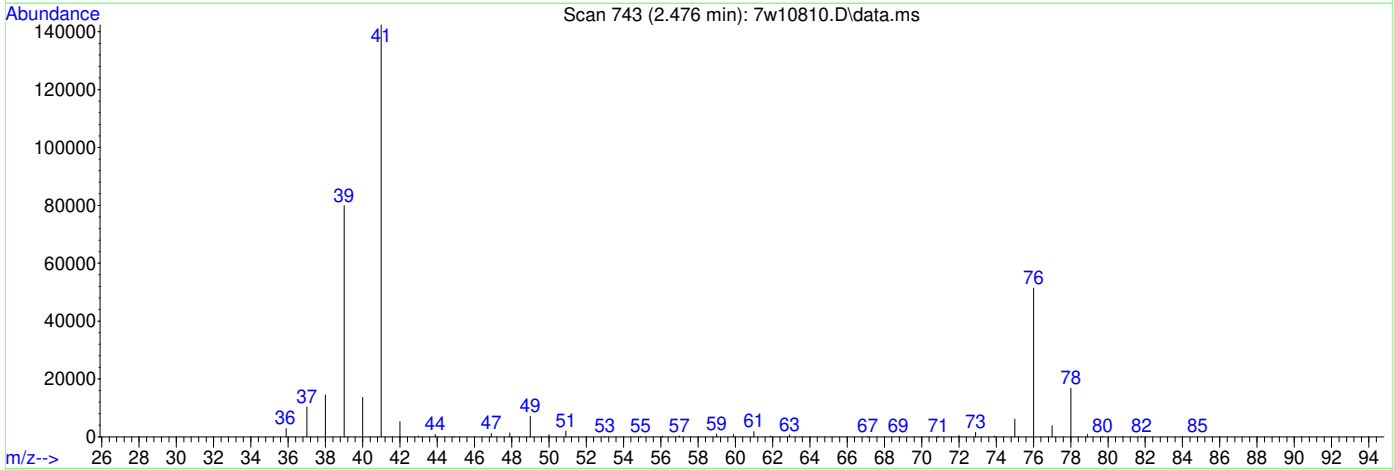
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon disulfide	75-15-0		2.53	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w10810.D
Acq On : 27 Nov 2024 6:54 pm
Operator : benk
Sample : cc305-10
Misc : MS87455,v7w394,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 27 19:20:28 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration





TIC: 7w10810.D\data.ms

(27) CARBON DISULFIDE (T)

2.476min (-0.048) 2.05PPBV

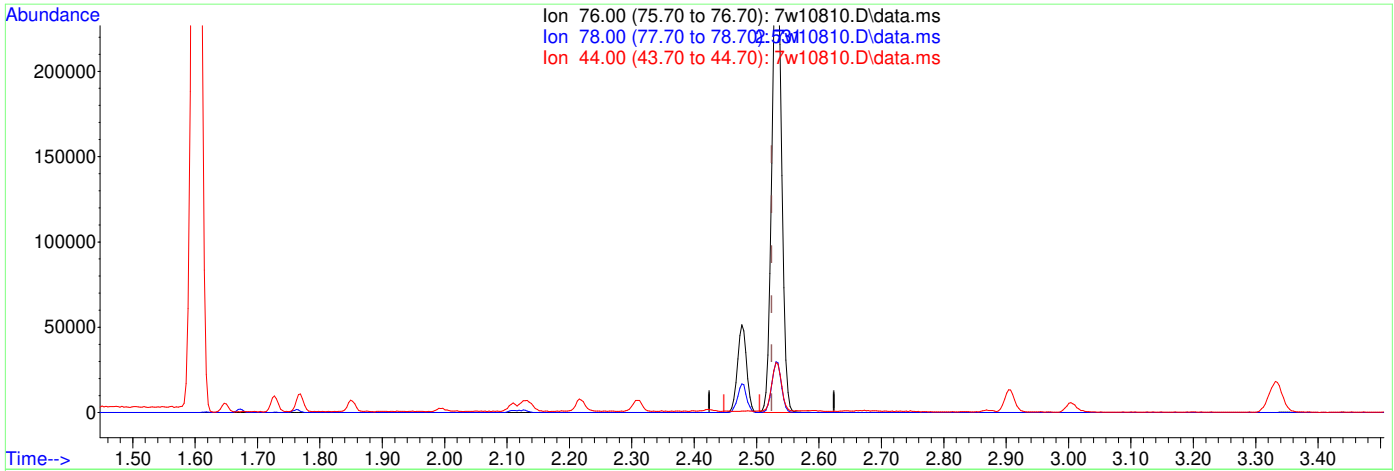
response 52784

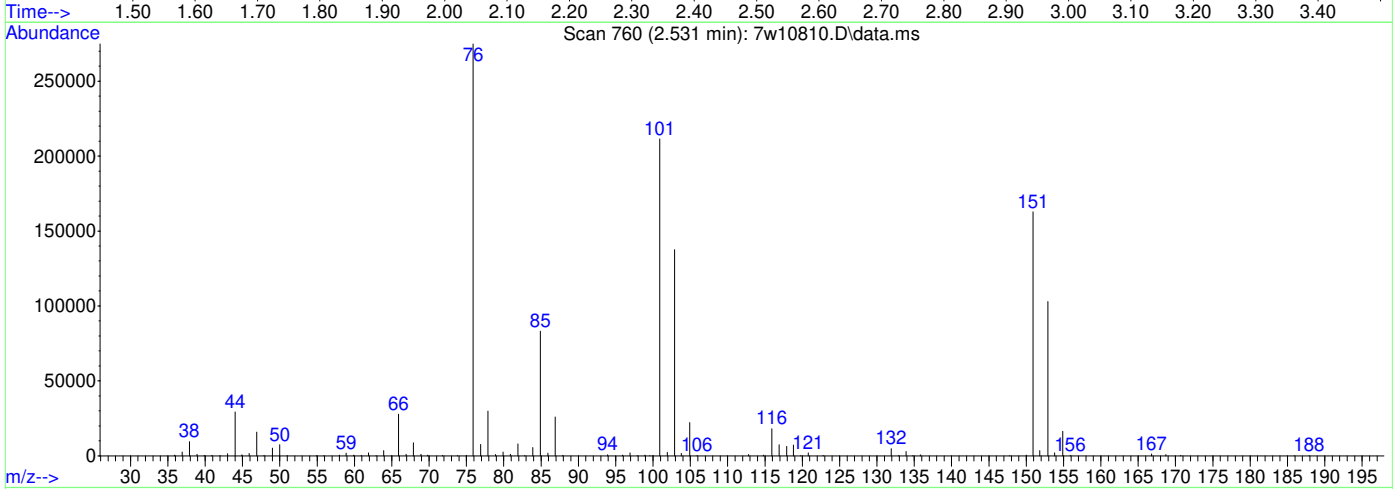
Ion	Exp%	Act%
76.00	100	100
78.00	11.40	32.44#
44.00	19.10	0.52#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w10810.D
Acq On : 27 Nov 2024 6:54 pm
Operator : benk
Sample : cc305-10
Misc : MS87455,v7w394,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 27 19:20:28 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration





TIC: 7w10810.D\data.ms

(27) CARBON DISULFIDE (T)

2.531min (+0.007) 11.45PPBV m

response 295469

Ion	Exp%	Act%
76.00	100	100
78.00	11.40	5.79#
44.00	19.10	0.09#
0.00	0.00	0.00

7.7.27.3

7

7W10810.D edits: CARBON DISULFIDE

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 12/30/24 00:15

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11233.D
Acq On : 28 Dec 2024 9:16 am
Operator : benk
Sample : ic405-0.04
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 19:36:55 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 06:12:48 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.223	128	135115	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.490	114	681342	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.029	117	623287	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.223	128	135115	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.383	95	446738	9.86	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.596	119	481	0.04	PPBV		97
3) FREON 152A	1.628	65	207m	0.03	PPBV		
4) CHLORODIFLUOROMETHANE	1.638	67	132	0.04	PPBV	#	40
5) CHLOROTRIFLUOROETHENE	1.650	116	547	0.03	PPBV		98
6) DICHLORODIFLUOROMETHANE	1.666	85	1186	0.03	PPBV	#	87
7) PROPYLENE	1.650	41	502	0.06	PPBV	#	60
8) 1-CHLORO-1,1-DIFLUOROE...	1.702	65	979	0.04	PPBV	#	71
9) FREON 114	1.737	85	987	0.04	PPBV		93
10) CHLOROMETHANE	1.711	52	181	0.05	PPBV		81
11) VINYL CHLORIDE	1.773	62	372	0.03	PPBV	#	81
12) 1,3-BUTADIENE	1.808	54	595	0.07	PPBV	#	22
13) N-BUTANE	1.824	43	1027	0.06	PPBV	#	1
14) BROMOMETHANE	1.882	94	453	0.05	PPBV	#	61
15) CHLOROETHANE	1.933	64	271	0.04	PPBV		85
16) DICHLOROFLUOROMETHANE	1.959	67	870	0.04	PPBV		95
17) ACETONITRILE	2.027	41	415m	0.04	PPBV		
18) ACROLEIN	2.062	56	289m	0.05	PPBV		
19) FREON 123	2.072	83	1077	0.04	PPBV		89
20) FREON 123A	2.091	117	665	0.04	PPBV		98
21) TRICHLOROFLUOROMETHANE	2.155	101	993	0.03	PPBV	#	84
22) ISOPROPYL ALCOHOL	2.187	45	1113	0.04	PPBV	#	64
23) ACETONE	2.104	58	492	0.07	PPBV		82
24) PENTANE	2.271	42	559	0.05	PPBV	#	43
25) IODOMETHANE	2.332	142	957	0.03	PPBV		95
26) 1,1-DICHLOROETHYLENE	2.358	96	627	0.06	PPBV	#	63
27) CARBON DISULFIDE	2.490	76	1027	0.03	PPBV	#	66
28) ETHANOL	1.966	45	1506	0.14	PPBV		93
29) BROMOETHENE	2.030	106	456	0.04	PPBV	#	96
30) ACRYLONITRILE	2.239	52	746	0.08	PPBV	#	70
31) METHYLENE CHLORIDE	2.396	84	1398	0.12	PPBV		88
32) 3-CHLOROPROPENE	2.435	76	208	0.04	PPBV	#	25
33) FREON 113	2.490	151	596	0.03	PPBV		91
34) TRANS-1,2-DICHLOROETHENE	2.721	96	582	0.05	PPBV	#	66
35) TERTIARY BUTYL ALCOHOL	2.400	59	999	0.03	PPBV	#	29
36) METHYL TERTIARY BUTYL ...	2.830	73	1395	0.04	PPBV	#	68
37) TETRAHYDROFURAN	3.544	72	121	0.02	PPBV	#	1
38) HEXANE	3.281	57	1034	0.05	PPBV		80
39) VINYL ACETATE	2.859	86	94	0.03	PPBV	#	1
40) 1,1-DICHLOROETHANE	2.789	63	752	0.03	PPBV	#	70
41) METHYL ETHYL KETONE	2.969	72	186	0.03	PPBV	#	1
42) CIS-1,2-DICHLOROETHENE	3.149	96	425	0.03	PPBV		94
43) DIISOPROPYL ETHER	3.287	59	224	0.04	PPBV		89
44) ETHYL ACETATE	3.303	61	143	0.03	PPBV	#	59
45) METHYL ACRYLATE	3.281	55	833	0.03	PPBV	#	88
46) CHLOROFORM	3.293	83	952	0.04	PPBV		95
47) 2,4-DIMETHYLPENTANE	3.782	57	1020	0.04	PPBV		92
48) 1,1,1-TRICHLOROETHANE	3.866	97	955	0.04	PPBV		92
49) CARBON TETRACHLORIDE	4.284	117	740	0.03	PPBV		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11233.D
Acq On : 28 Dec 2024 9:16 am
Operator : benk
Sample : ic405-0.04
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 19:36:55 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 06:12:48 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50) 1,2-DICHLOROETHANE	3.702	62	665	0.04	PPBV	#	91
51) BENZENE	4.174	78	1541	0.04	PPBV		97
53) CYCLOHEXANE	4.371	84	625	0.04	PPBV	#	75
54) 2,3-DIMETHYLPENTANE	4.628	71	389	0.05	PPBV	#	97
55) TRICHLOROETHENE	5.062	95	555	0.03	PPBV		96
56) 1,2-DICHLOROPROPANE	4.827	63	530	0.04	PPBV	#	83
57) DIBROMOMETHANE	4.785	174	759	0.05	PPBV		93
58) ETHYL ACRYLATE	4.965	55	1009	0.03	PPBV	#	95
59) BROMODICHLOROMETHANE	4.998	83	901	0.03	PPBV		99
60) 2,2,4-TRIMETHYLPENTANE	5.152	57	2462	0.04	PPBV	#	89
61) 1,4-DIOXANE	5.226	88	244	0.02	PPBV	#	47
62) HEPTANE	5.470	43	805	0.03	PPBV	#	77
63) METHYL METHACRYLATE	5.370	69	643	0.04	PPBV	#	76
64) METHYL ISOBUTYL KETONE	6.133	58	435	0.03	PPBV	#	81
65) CIS-1,3-DICHLOROPROPENE	5.994	75	735	0.03	PPBV	#	73
66) TOLUENE	7.187	91	2041	0.04	PPBV		89
67) 1,3-DICHLOROPROPANE	7.239	76	755	0.03	PPBV	#	74
68) TRANS-1,3-DICHLOROPROPENE	6.666	75	643	0.03	PPBV		97
69) 1,1,2-TRICHLOROETHANE	6.827	83	477	0.04	PPBV		100
70) 2-HEXANONE	7.817	58	587	0.03	PPBV	#	59
71) ETHYL METHACRYLATE	7.904	69	1154	0.05	PPBV	#	84
72) TETRACHLOROETHENE	8.904	164	711	0.04	PPBV		95
73) DIBROMOCHLOROMETHANE	7.721	129	828	0.03	PPBV		94
74) 1,2-DIBROMOETHANE	8.052	107	793	0.03	PPBV	#	96
75) OCTANE	9.058	43	1306	0.04	PPBV		86
77) 1,1,1,2-TETRACHLOROETHANE	10.107	131	628	0.03	PPBV	#	78
78) CHLOROBENZENE	10.103	112	1266	0.03	PPBV		85
79) ETHYLBENZENE	10.988	91	2859	0.05	PPBV		88
80) M,P-XYLENE	11.422	91	3729m	0.08	PPBV		
81) O-XYLENE	12.354	91	2008	0.04	PPBV		98
82) STYRENE	12.152	104	1076	0.03	PPBV		95
83) NONANE	13.460	43	1432	0.04	PPBV		85
84) BROMOFORM	11.229	173	696	0.03	PPBV	#	79
85) 1,1,2,2-TETRACHLOROETHANE	12.354	83	1109	0.03	PPBV	#	94
86) 1,2,3-TRICHLOROPROPANE	12.644	75	809	0.03	PPBV	#	99
88) ISOPROPYLBENZENE	13.862	120	606	0.03	PPBV	#	68
89) BROMOBENZENE	13.721	77	1193	0.03	PPBV	#	66
90) 2-CHLOROTOLUENE	14.843	126	445	0.03	PPBV	#	43
91) N-PROPYLBENZENE	15.203	120	527	0.03	PPBV		95
92) 4-ETHYLTOLUENE	15.647	105	2316m	0.03	PPBV		
93) 1,3,5-TRIMETHYLBENZENE	15.910	105	1967	0.03	PPBV		92
94) ALPHA-METHYLSTYRENE	16.216	118	852	0.03	PPBV		90
95) TERT-BUTYLBENZENE	16.528	134	479	0.03	PPBV		95
96) 1,2,4-TRIMETHYLBENZENE	16.534	105	2036	0.03	PPBV		98
97) BENZYL CHLORIDE	16.631	91	1586	0.03	PPBV		90
98) M-DICHLOROBENZENE	16.598	146	1203	0.03	PPBV		90
99) P-DICHLOROBENZENE	16.692	146	1243	0.03	PPBV		96
100) O-DICHLOROBENZENE	17.007	146	1290	0.03	PPBV		95
101) SEC-BUTYLBENZENE	16.843	134	535	0.03	PPBV		79
102) 1,2,3-TRIMETHYLBENZENE	16.958	105	1962	0.03	PPBV		94
103) P-ISOPROPYLTOLUENE	17.032	134	596	0.03	PPBV		87
104) N-BUTYLBENZENE	17.399	134	566	0.03	PPBV		83
105) HEXACHLOROETHANE	17.576	117	628	0.03	PPBV		91
106) HEXACHLOROBUTADIENE	18.634	225	926	0.03	PPBV		98
107) 1,2,4-TRICHLOROBENZENE	18.325	180	996	0.03	PPBV		94
108) NAPHTHALENE	18.376	128	2159	0.03	PPBV		97
110) TVHC as equiv Pentane	2.268	TIC	2517m	0.04	PPBV		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11233.D
Acq On : 28 Dec 2024 9:16 am
Operator : benk
Sample : ic405-0.04
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 19:36:55 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 06:12:48 2024
Response via : Initial Calibration

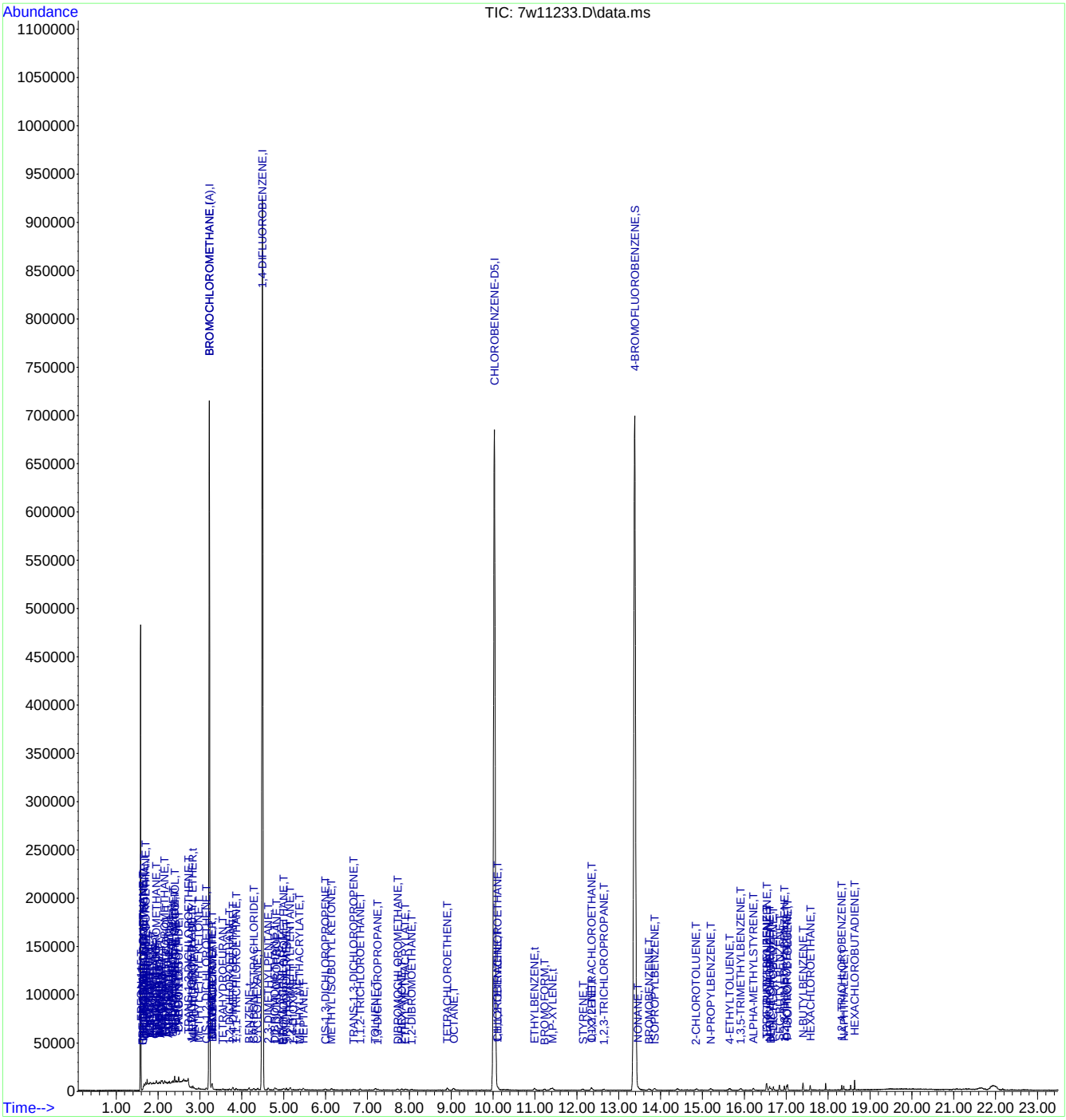
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11233.D
Acq On : 28 Dec 2024 9:16 am
Operator : benk
Sample : ic405-0.04
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 19:36:55 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 06:12:48 2024
Response via : Initial Calibration



Manual Integration Approval Summary

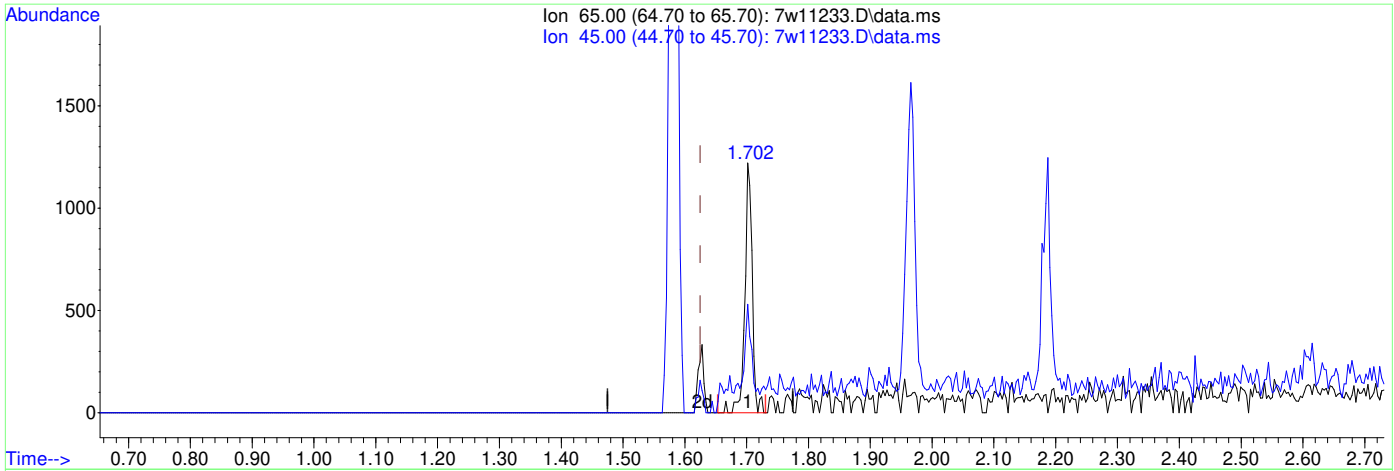
Sample Number: V7W405-IC405 **Method:** TO-15
Lab FileID: 7W11233.D **Analyst approved:** 12/30/24 00:11 Kanya Veerawat
Injection Time: 12/28/24 09:16 **Supervisor approved:** 12/30/24 00:15 Kanya Veerawat

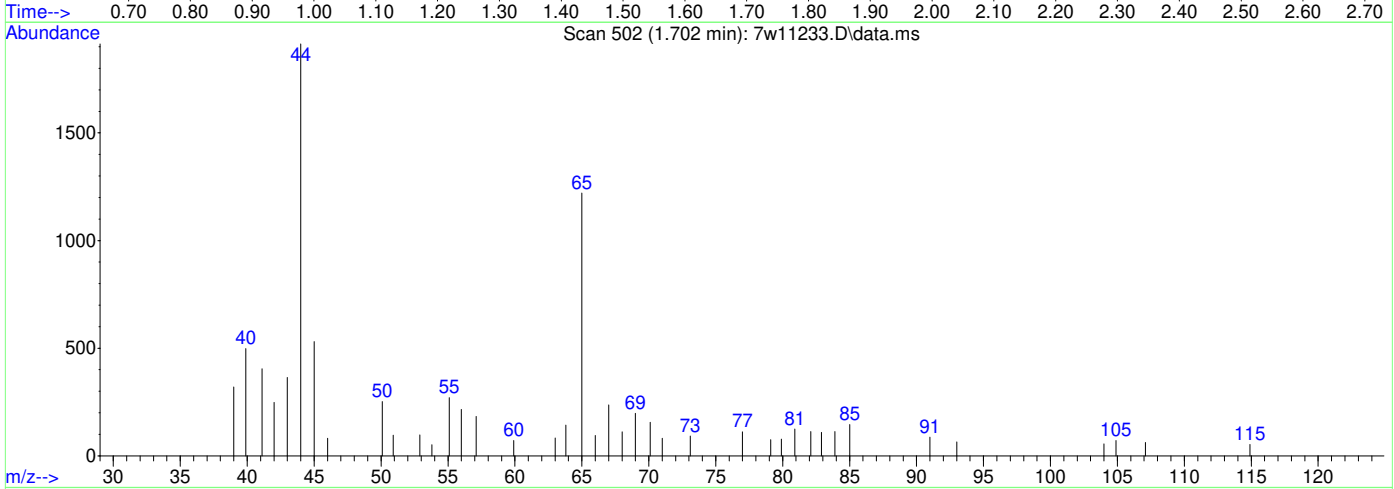
Parameter	CAS	Sig#	R.T. (min.)	Reason
Freon 152A	75-37-6		1.63	Missed peak
Acetonitrile	75-05-8		2.03	Poor instrument integration
Acrolein	107-02-8		2.06	Missed peak
TVHC As Equiv Pentane			2.27	Missed peak
m,p-Xylene			11.42	Split peak
4-Ethyltoluene	622-96-8		15.65	Split peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11233.D
Acq On : 28 Dec 2024 9:16 am
Operator : benk
Sample : ic405-0.04
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 06:15:10 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 06:12:48 2024
Response via : Initial Calibration





TIC: 7w11233.D\data.ms

(3) FREON 152A (T)

1.702min (+0.077) 0.15PPBV

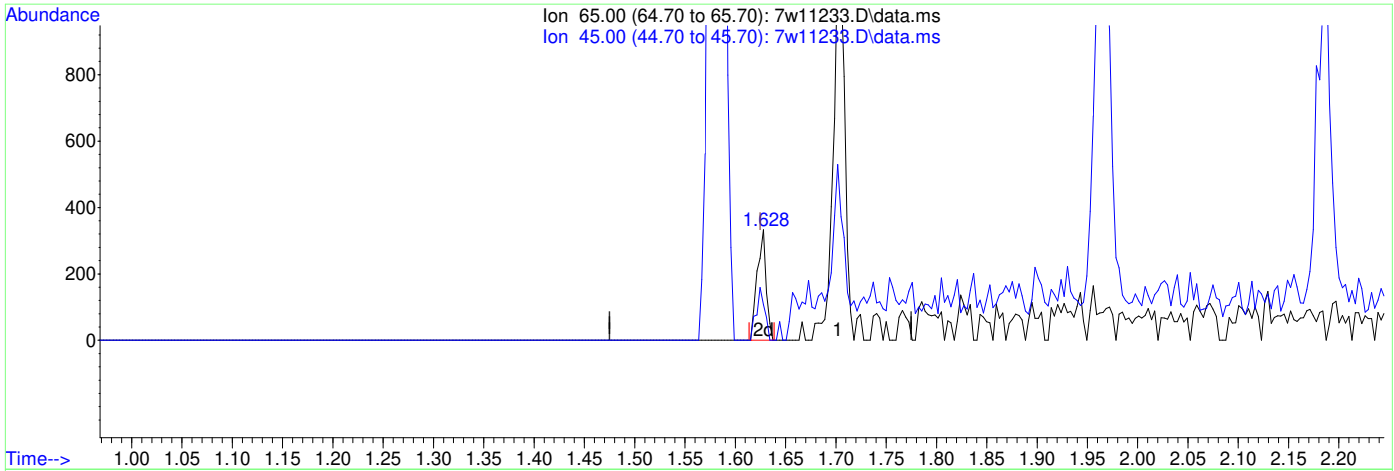
response 989

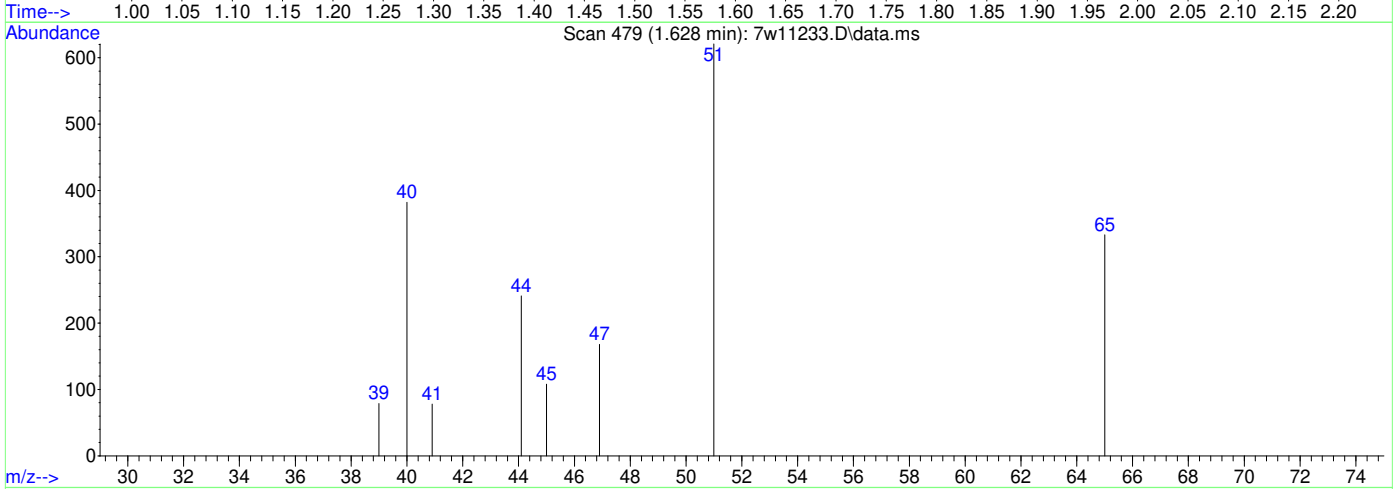
Ion	Exp%	Act%
65.00	100	100
45.00	33.60	34.18
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11233.D
Acq On : 28 Dec 2024 9:16 am
Operator : benk
Sample : ic405-0.04
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 06:15:10 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 06:12:48 2024
Response via : Initial Calibration





TIC: 7w11233.D\data.ms

(3) FREON 152A (T)

1.628min (+0.003) 0.03PPBV m

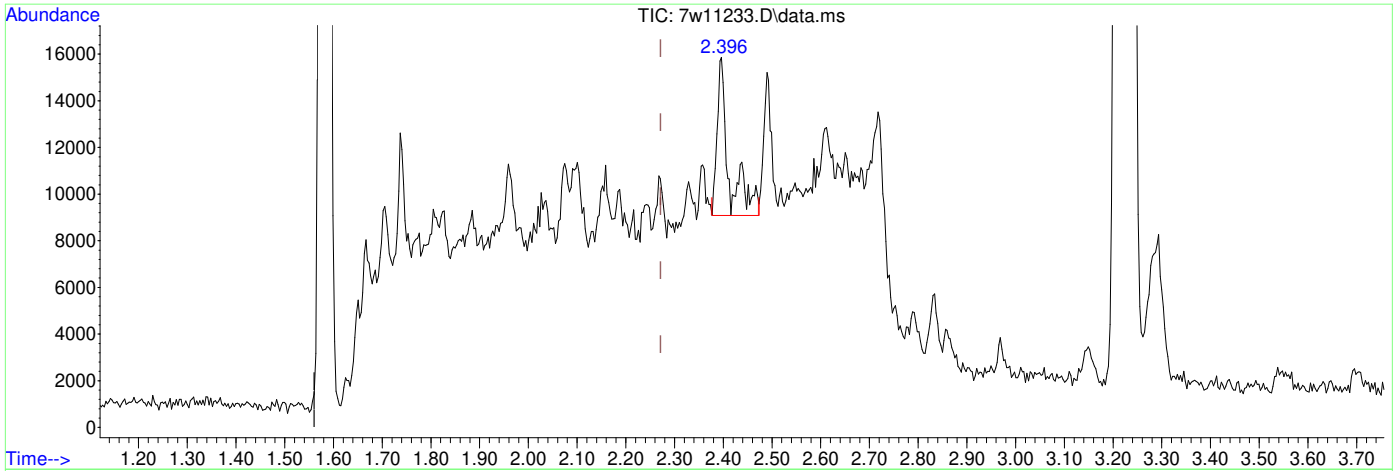
response 207

Ion	Exp%	Act%
65.00	100	100
45.00	33.60	163.29#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11233.D
Acq On : 28 Dec 2024 9:16 am
Operator : benk
Sample : ic405-0.04
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 06:15:10 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 06:12:48 2024
Response via : Initial Calibration



TIC: 7w11233.D\data.ms

(110) TVHC as equiv Pentane

2.396min (+0.125) 0.20PPBV

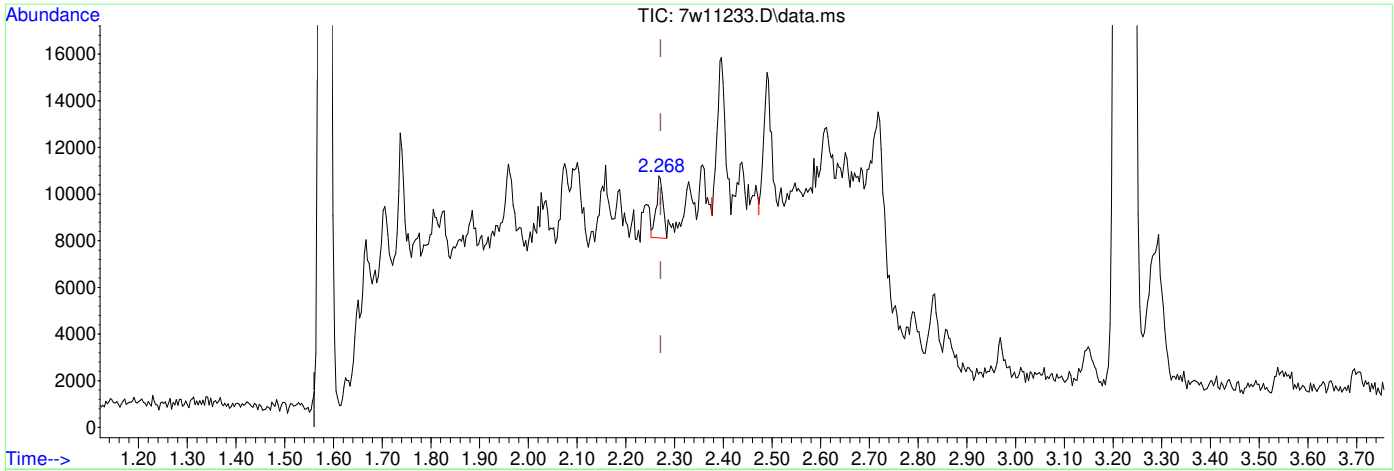
response 11422

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11233.D
Acq On : 28 Dec 2024 9:16 am
Operator : benk
Sample : ic405-0.04
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 06:15:10 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 06:12:48 2024
Response via : Initial Calibration



TIC: 7w11233.D\data.ms

(110) TVHC as equiv Pentane

2.268min (-0.003) 0.04PPBV m

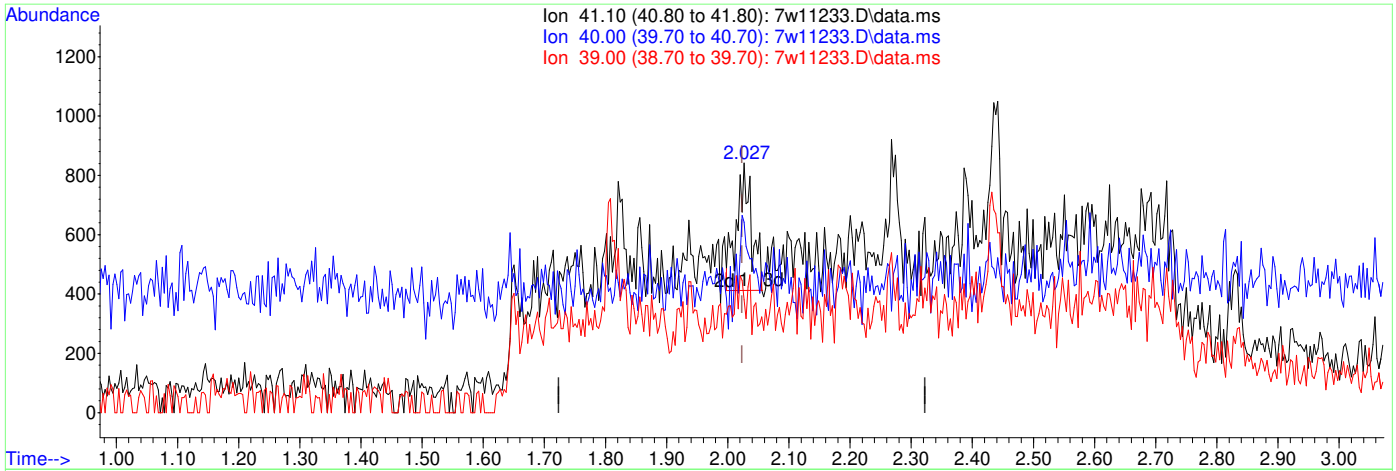
response 2517

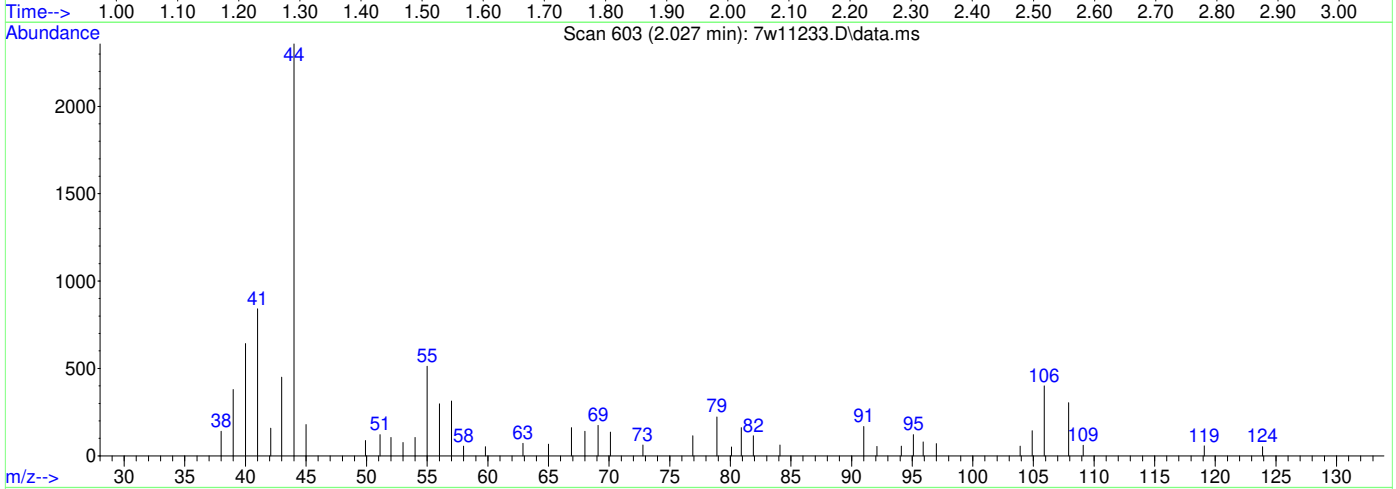
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11233.D
Acq On : 28 Dec 2024 9:16 am
Operator : benk
Sample : ic405-0.04
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 06:17:36 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 06:12:48 2024
Response via : Initial Calibration





TIC: 7w11233.D\data.ms

(17) ACETONITRILE (T)

2.027min (+0.004) 0.07PPBV

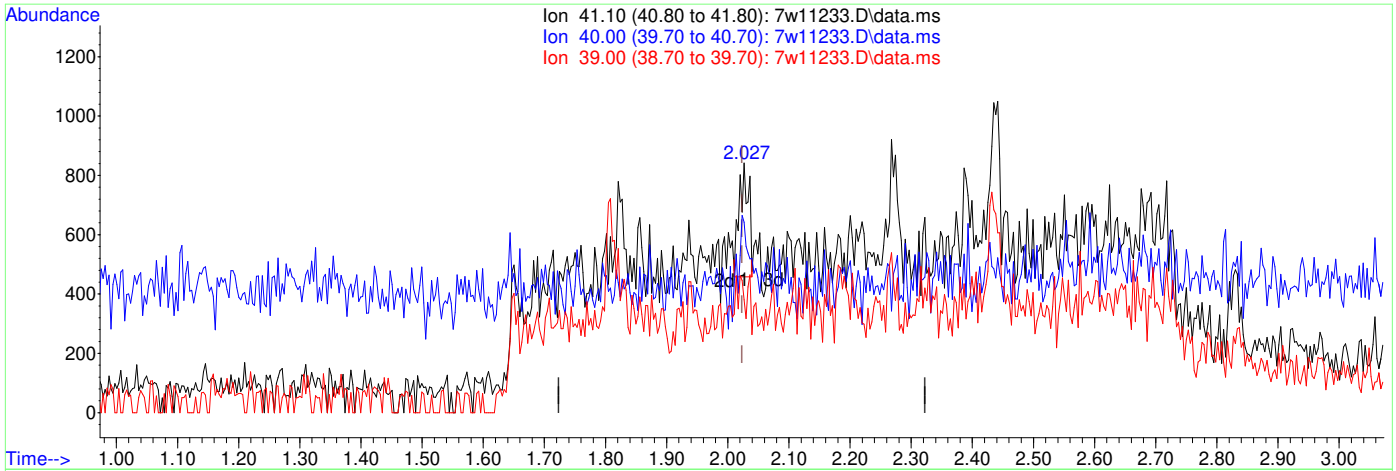
response 727

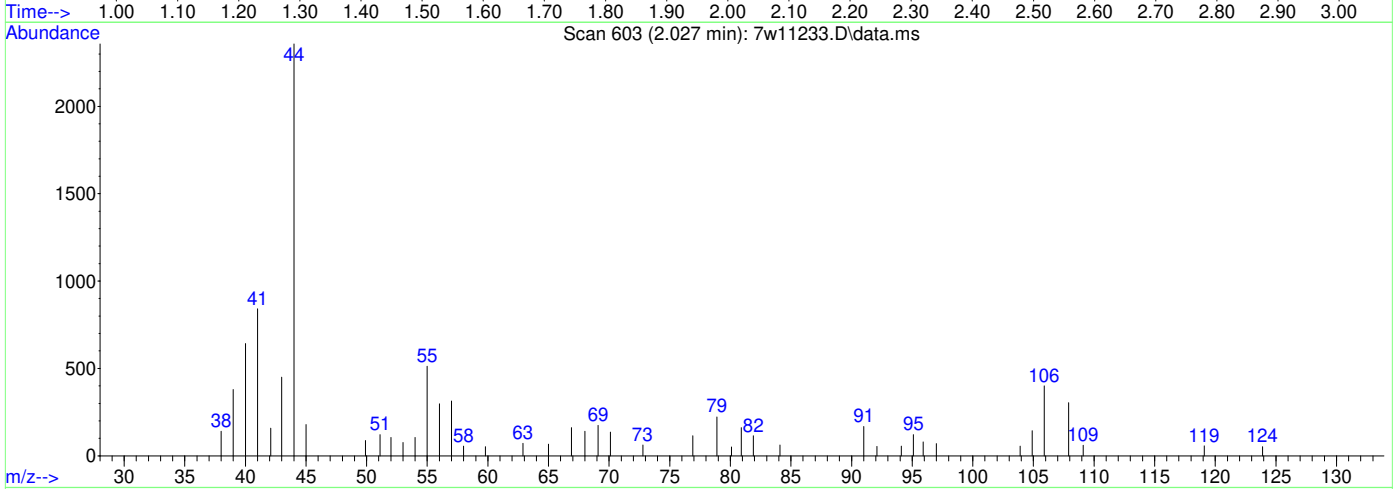
Ion	Exp%	Act%
41.10	100	100
40.00	54.20	57.91
39.00	19.70	37.96#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11233.D
Acq On : 28 Dec 2024 9:16 am
Operator : benk
Sample : ic405-0.04
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 06:17:36 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 06:12:48 2024
Response via : Initial Calibration





TIC: 7w11233.D\data.ms

(17) ACETONITRILE (T)

2.027min (+0.004) 0.04PPBV m

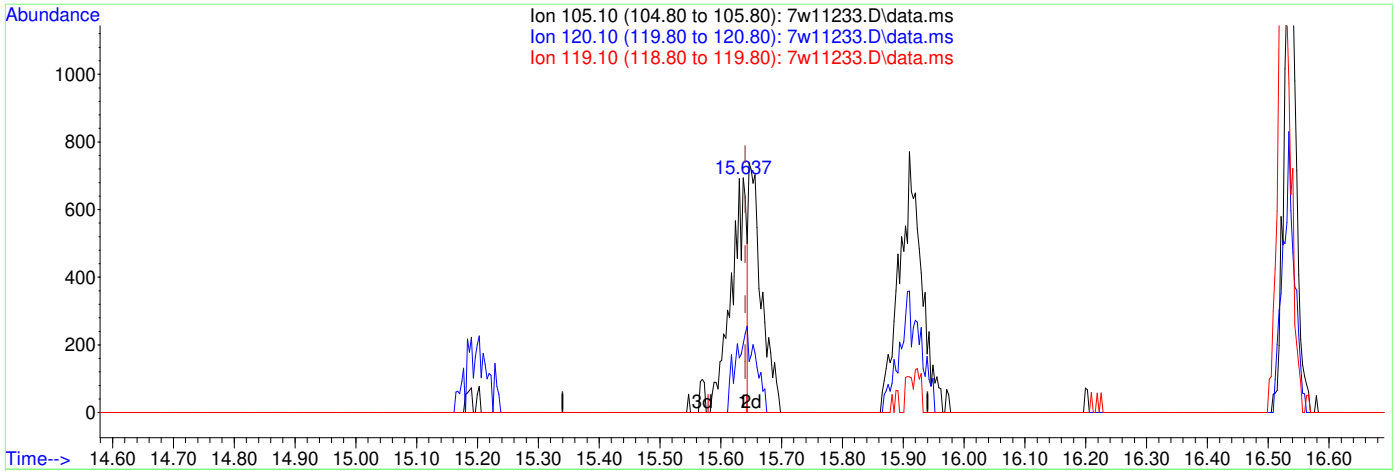
response 415

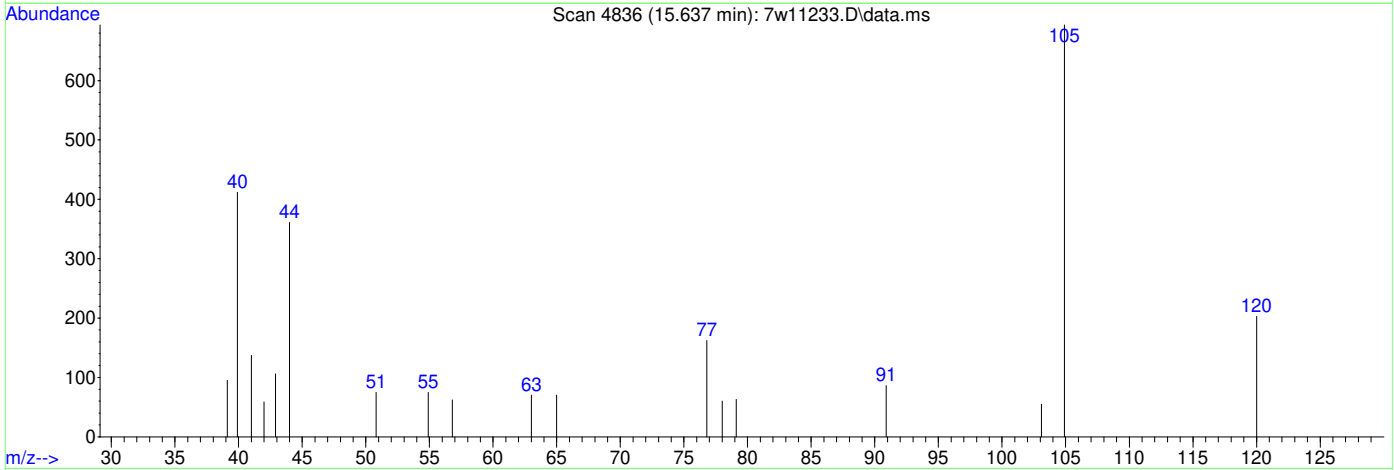
Ion	Exp%	Act%
41.10	100	100
40.00	54.20	101.45#
39.00	19.70	66.51#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11233.D
Acq On : 28 Dec 2024 9:16 am
Operator : benk
Sample : ic405-0.04
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 06:17:36 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 06:12:48 2024
Response via : Initial Calibration





TIC: 7w11233.D\data.ms

(92) 4-ETHYLTOLUENE (T)

15.637min (-0.003) 0.02PPBV

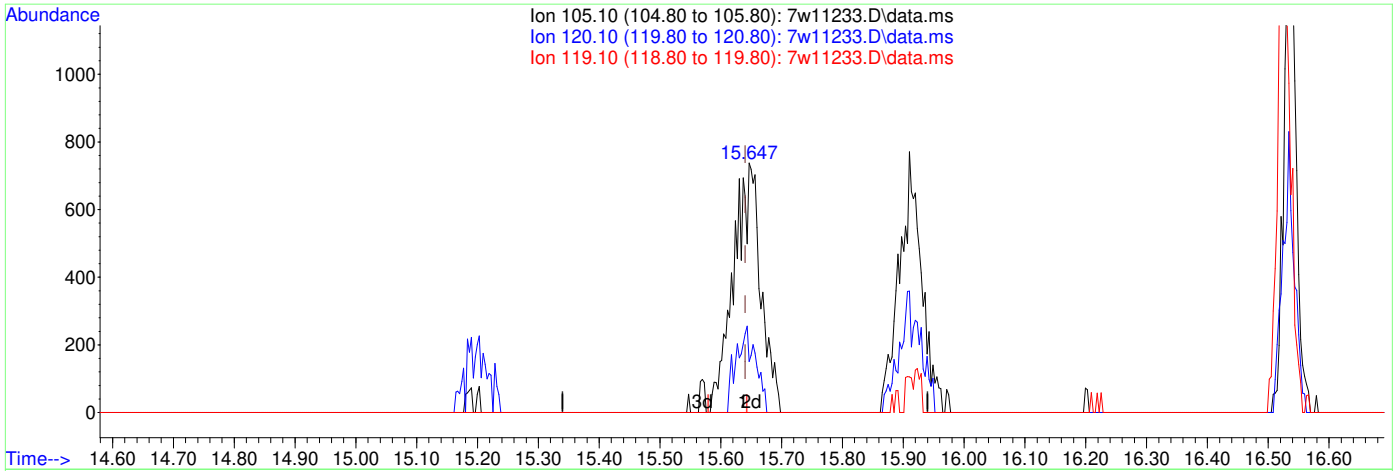
response 1228

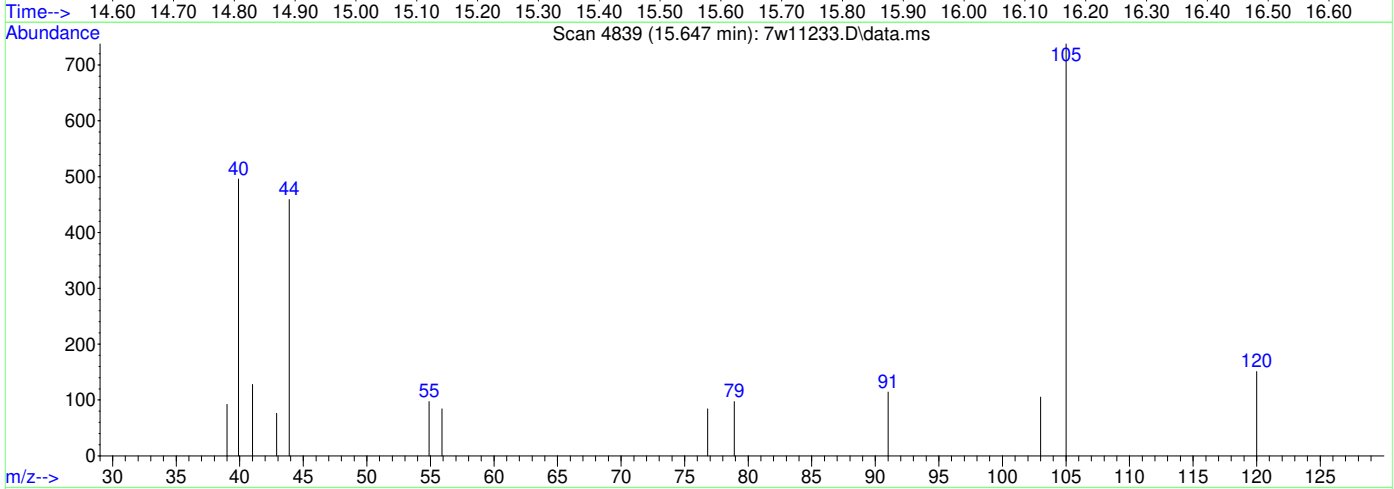
Ion	Exp%	Act%
105.10	100	100
120.10	30.10	45.68#
119.10	2.30	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11233.D
Acq On : 28 Dec 2024 9:16 am
Operator : benk
Sample : ic405-0.04
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 06:17:36 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 06:12:48 2024
Response via : Initial Calibration





TIC: 7w11233.D\data.ms

(92) 4-ETHYLTOLUENE (T)

15.647min (+0.007) 0.03PPBV m

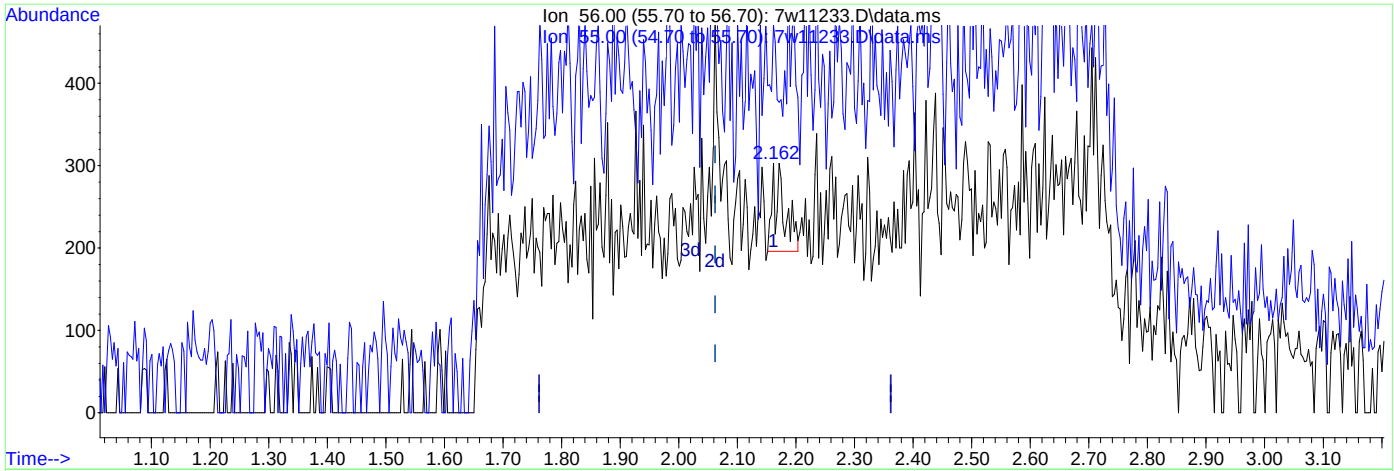
response 2316

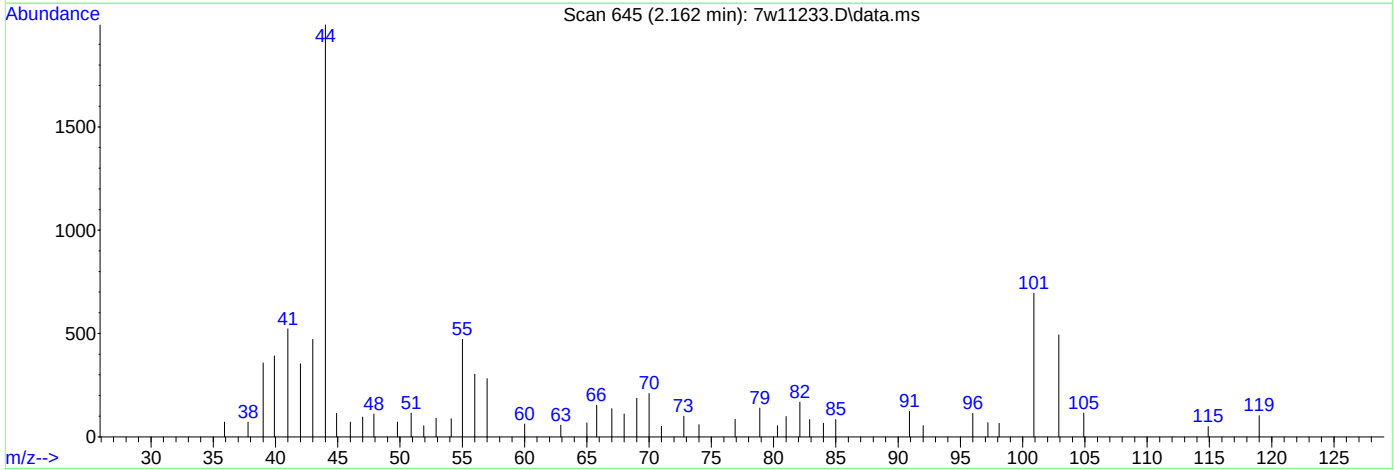
Ion	Exp%	Act%
105.10	100	100
120.10	30.10	24.22
119.10	2.30	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11233.D
Acq On : 28 Dec 2024 9:16 am
Operator : benk
Sample : ic405-0.04
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 06:25:49 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 06:12:48 2024
Response via : Initial Calibration





TIC: 7w11233.D\data.ms

(18) ACROLEIN (T)

2.162min (+0.100) 0.03PPBV

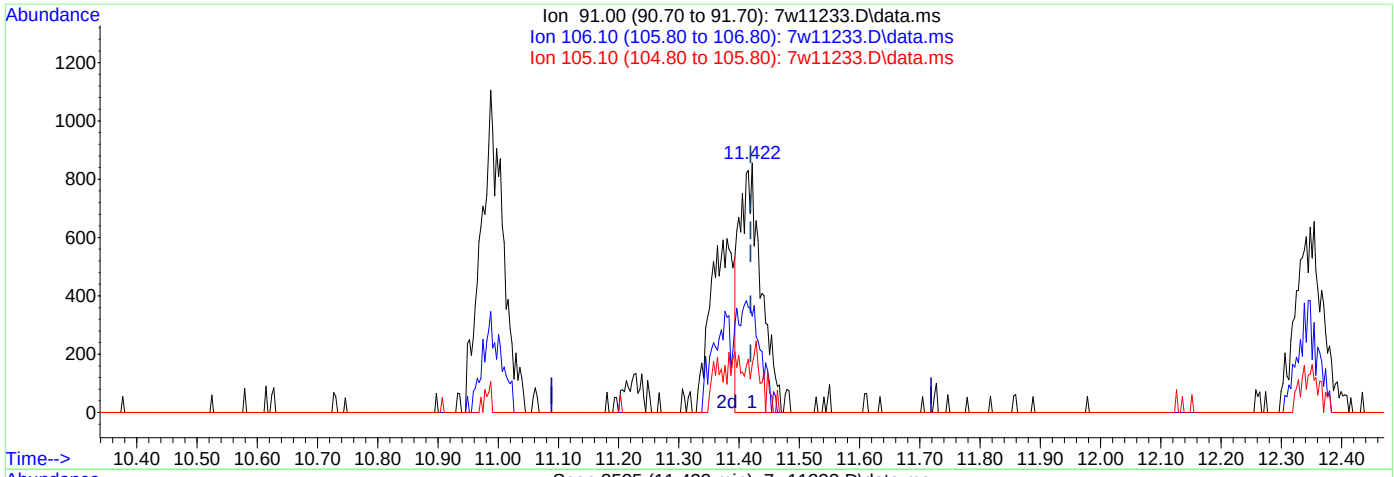
response 143

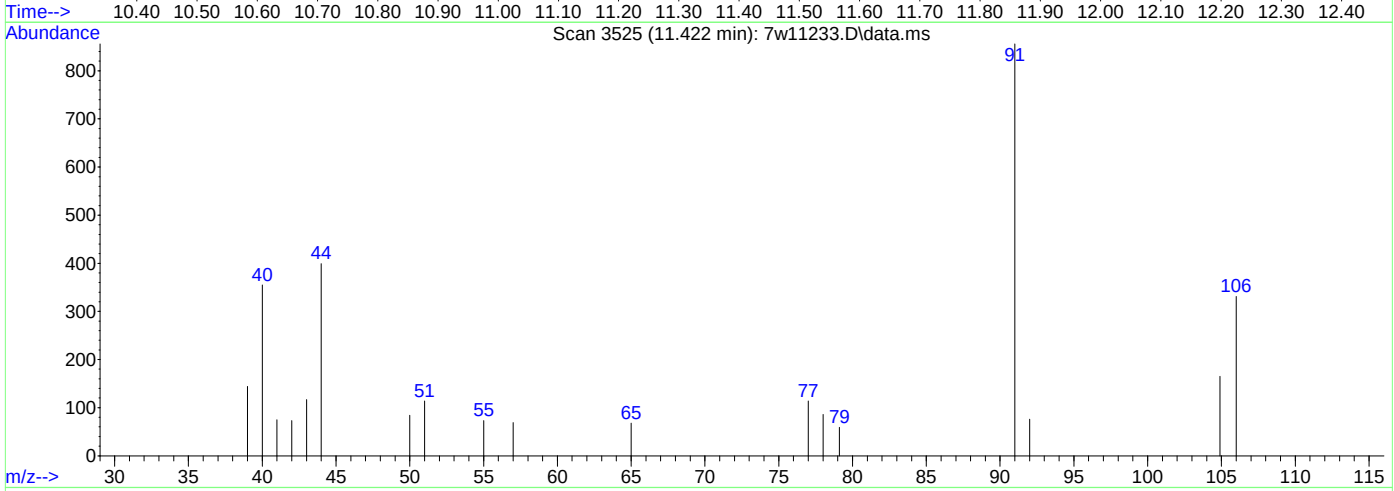
Ion	Exp%	Act%
56.00	100	100
55.00	71.80	65.03
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11233.D
Acq On : 28 Dec 2024 9:16 am
Operator : benk
Sample : ic405-0.04
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 06:25:49 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 06:12:48 2024
Response via : Initial Calibration





TIC: 7w11233.D\data.ms

(80) M,P-XYLENE (t)

11.422min (+0.003) 0.04PPBV

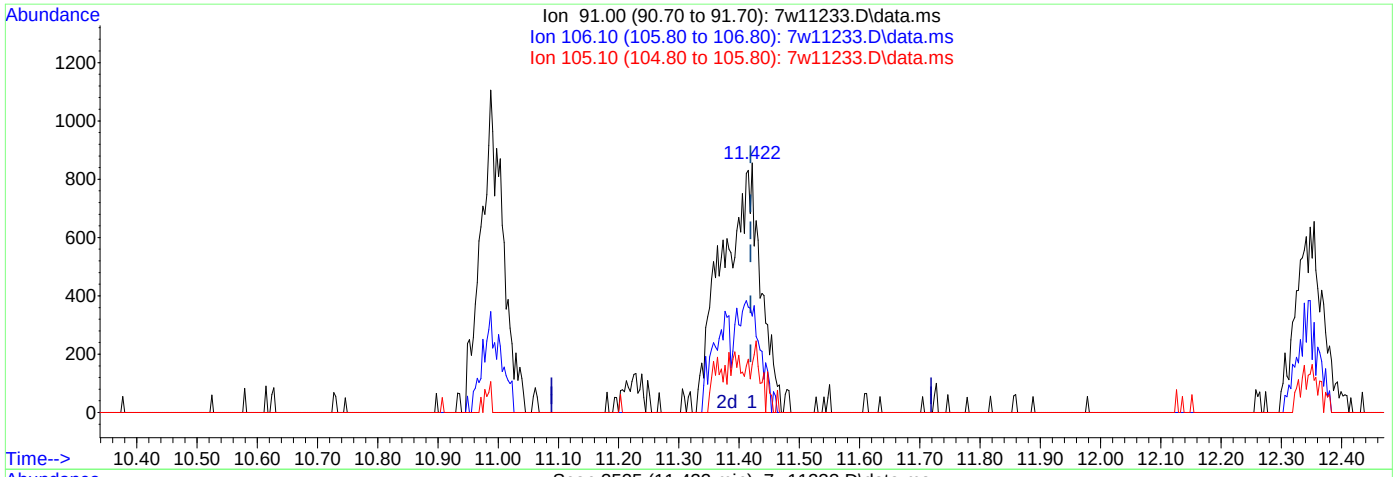
response 2127

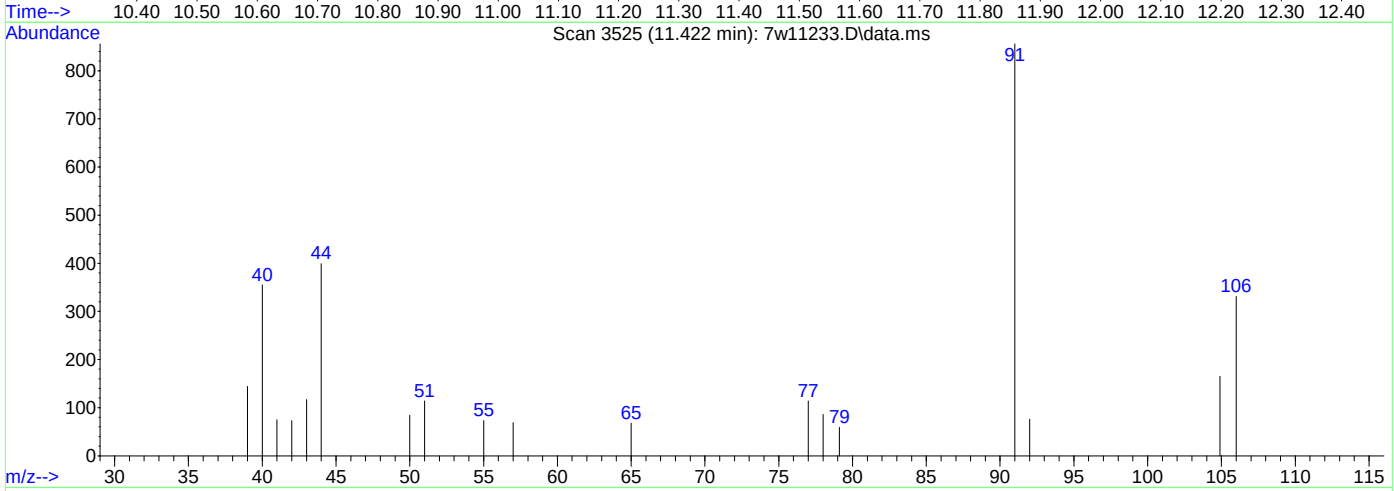
Ion	Exp%	Act%
91.00	100	100
106.10	25.50	50.49
105.10	11.70	12.41
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11233.D
Acq On : 28 Dec 2024 9:16 am
Operator : benk
Sample : ic405-0.04
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 06:25:49 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 06:12:48 2024
Response via : Initial Calibration





TIC: 7w11233.D\data.ms

(80) M,P-XYLENE (t)

11.422min (+0.003) 0.08PPBV m

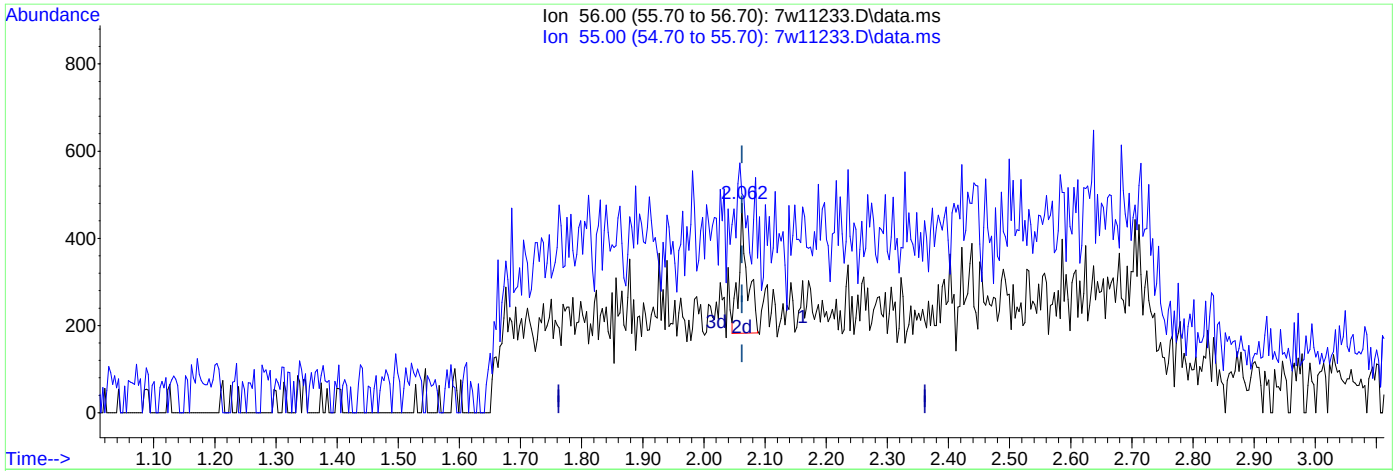
response 3729

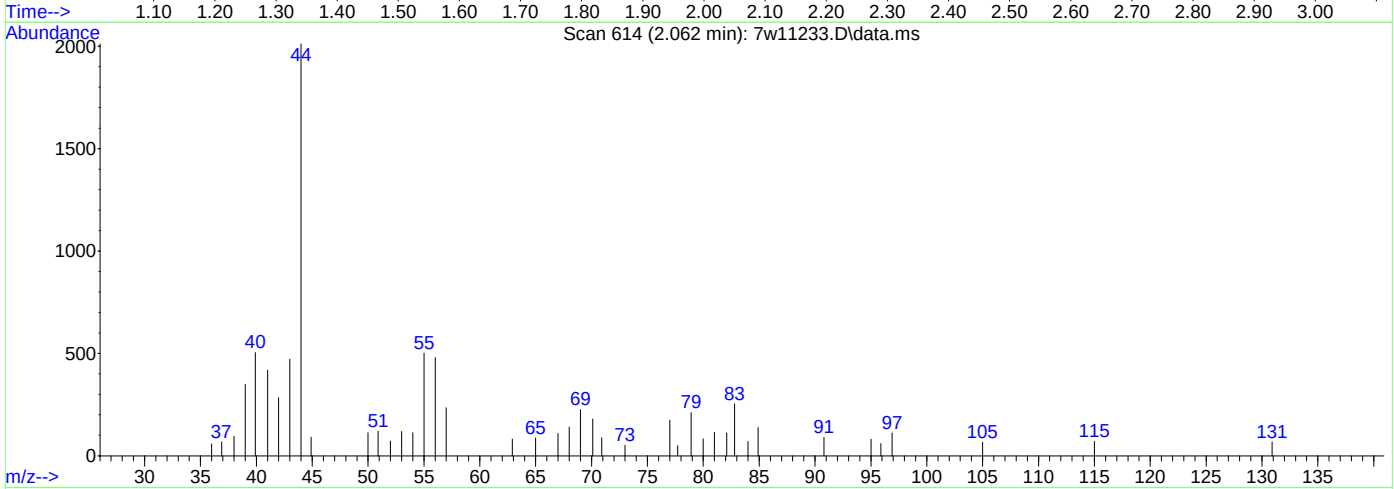
Ion	Exp%	Act%
91.00	100	100
106.10	25.50	28.80
105.10	11.70	7.08
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11233.D
Acq On : 28 Dec 2024 9:16 am
Operator : benk
Sample : ic405-0.04
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 19:34:06 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 06:12:48 2024
Response via : Initial Calibration





TIC: 7w11233.D\data.ms

(18) ACROLEIN (T)

2.062min (-0.000) 0.05PPBV m

response 289

Ion	Exp%	Act%
56.00	100	100
55.00	71.80	32.18#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 12/30/24 00:15

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 06:11:29 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.223	128	133584	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.490	114	679369	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.030	117	626077	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.223	128	133584	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.383	95	448796	9.85	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.599	119	1552	0.14	PPBV		98
3) FREON 152A	1.628	65	700	0.11	PPBV		96
4) CHLORODIFLUOROMETHANE	1.641	67	367	0.11	PPBV	#	66
5) CHLOROTRIFLUOROETHENE	1.651	116	1669	0.11	PPBV		94
6) DICHLORODIFLUOROMETHANE	1.667	85	3743	0.11	PPBV		99
7) PROPYLENE	1.651	41	1091m	0.13	PPBV		
8) 1-CHLORO-1,1-DIFLUOROE...	1.705	65	2788	0.11	PPBV	#	83
9) FREON 114	1.741	85	3060	0.11	PPBV		98
10) CHLOROMETHANE	1.712	52	455m	0.14	PPBV		
11) VINYL CHLORIDE	1.770	62	1144	0.10	PPBV		95
12) 1,3-BUTADIENE	1.811	54	1147	0.13	PPBV	#	68
13) N-BUTANE	1.827	43	1929m	0.12	PPBV		
14) BROMOMETHANE	1.885	94	1136	0.12	PPBV	#	83
15) CHLOROETHANE	1.930	64	691	0.12	PPBV	#	71
16) DICHLOROFLUOROMETHANE	1.956	67	2693	0.11	PPBV		94
17) ACETONITRILE	2.027	41	1548	0.15	PPBV	#	84
18) ACROLEIN	2.065	56	638m	0.12	PPBV		
19) FREON 123	2.078	83	3192	0.13	PPBV		87
20) FREON 123A	2.091	117	2008	0.13	PPBV		100
21) TRICHLOROFLUOROMETHANE	2.159	101	3264	0.11	PPBV	#	92
22) ISOPROPYL ALCOHOL	2.188	45	3122	0.13	PPBV	#	76
23) ACETONE	2.110	58	1248m	0.19	PPBV		
24) PENTANE	2.271	42	1433m	0.12	PPBV		
25) IODOMETHANE	2.332	142	3029	0.11	PPBV		97
26) 1,1-DICHLOROETHYLENE	2.361	96	1516	0.14	PPBV		79
27) CARBON DISULFIDE	2.493	76	3182	0.11	PPBV	#	63
28) ETHANOL	1.966	45	2393m	0.26	PPBV		
29) BROMOETHENE	2.033	106	1269	0.12	PPBV	#	84
30) ACRYLONITRILE	2.239	52	1573m	0.18	PPBV		
31) METHYLENE CHLORIDE	2.393	84	2203	0.21	PPBV		90
32) 3-CHLOROPROPENE	2.438	76	654	0.12	PPBV	#	87
33) FREON 113	2.490	151	1957	0.11	PPBV		96
34) TRANS-1,2-DICHLOROETHENE	2.718	96	1459	0.13	PPBV		86
35) TERTIARY BUTYL ALCOHOL	2.397	59	3058	0.11	PPBV	#	78
36) METHYL TERTIARY BUTYL ...	2.831	73	3948	0.11	PPBV	#	70
37) TETRAHYDROFURAN	3.538	72	560	0.10	PPBV	#	65
38) HEXANE	3.271	57	2759	0.13	PPBV		96
39) VINYL ACETATE	2.863	86	397	0.12	PPBV	#	83
40) 1,1-DICHLOROETHANE	2.789	63	2465	0.11	PPBV	#	86
41) METHYL ETHYL KETONE	2.966	72	741	0.12	PPBV	#	92
42) CIS-1,2-DICHLOROETHENE	3.146	96	1475	0.12	PPBV		91
43) DIISOPROPYL ETHER	3.287	59	769	0.13	PPBV		81
44) ETHYL ACETATE	3.297	61	485	0.11	PPBV		95
45) METHYL ACRYLATE	3.278	55	2955	0.12	PPBV	#	99
46) CHLOROFORM	3.297	83	2743	0.11	PPBV		95
47) 2,4-DIMETHYLPENTANE	3.782	57	2893	0.12	PPBV		93
48) 1,1,1-TRICHLOROETHANE	3.863	97	2969	0.11	PPBV		97
49) CARBON TETRACHLORIDE	4.278	117	2520	0.09	PPBV		94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 06:11:29 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50) 1,2-DICHLOROETHANE	3.699	62	2071	0.11	PPBV		96
51) BENZENE	4.175	78	4275	0.12	PPBV		97
53) CYCLOHEXANE	4.377	84	1762	0.11	PPBV	#	73
54) 2,3-DIMETHYLPENTANE	4.628	71	937	0.11	PPBV		75
55) TRICHLOROETHENE	5.059	95	1922	0.11	PPBV		93
56) 1,2-DICHLOROPROPANE	4.827	63	1621	0.11	PPBV		97
57) DIBROMOMETHANE	4.782	174	1996	0.13	PPBV		95
58) ETHYL ACRYLATE	4.959	55	3251	0.10	PPBV	#	88
59) BROMODICHLOROMETHANE	5.004	83	2919	0.10	PPBV		98
60) 2,2,4-TRIMETHYLPENTANE	5.159	57	7579	0.12	PPBV		94
61) 1,4-DIOXANE	5.175	88	1055m	0.10	PPBV		
62) HEPTANE	5.464	43	2843	0.12	PPBV		92
63) METHYL METHACRYLATE	5.371	69	1757	0.12	PPBV		96
64) METHYL ISOBUTYL KETONE	6.130	58	1493	0.11	PPBV		81
65) CIS-1,3-DICHLOROPROPENE	5.988	75	2419	0.10	PPBV		81
66) TOLUENE	7.181	91	5488	0.12	PPBV		100
67) 1,3-DICHLOROPROPANE	7.242	76	2335	0.10	PPBV		94
68) TRANS-1,3-DICHLOROPROPENE	6.663	75	2255	0.10	PPBV	#	73
69) 1,1,2-TRICHLOROETHANE	6.818	83	1420	0.11	PPBV		98
70) 2-HEXANONE	7.802	58	2003	0.09	PPBV		97
71) ETHYL METHACRYLATE	7.901	69	2835	0.11	PPBV		93
72) TETRACHLOROETHENE	8.914	164	2049	0.11	PPBV		96
73) DIBROMOCHLOROMETHANE	7.724	129	2795	0.10	PPBV		98
74) 1,2-DIBROMOETHANE	8.046	107	2657	0.11	PPBV	#	100
75) OCTANE	9.056	43	3709	0.11	PPBV		94
77) 1,1,1,2-TETRACHLOROETHANE	10.113	131	2293	0.11	PPBV		99
78) CHLOROBENZENE	10.100	112	3912	0.10	PPBV		94
79) ETHYLBENZENE	10.991	91	7070	0.12	PPBV		99
80) M,P-XYLENE	11.377	91	11272	0.23	PPBV		99
81) O-XYLENE	12.335	91	5714	0.12	PPBV		86
82) STYRENE	12.133	104	3697	0.10	PPBV		97
83) NONANE	13.457	43	3560	0.11	PPBV		93
84) BROMOFORM	11.226	173	2476	0.10	PPBV	#	92
85) 1,1,2,2-TETRACHLOROETHANE	12.354	83	3566	0.11	PPBV		94
86) 1,2,3-TRICHLOROPROPANE	12.650	75	2613	0.10	PPBV	#	99
88) ISOPROPYLBENZENE	13.853	120	1951	0.10	PPBV	#	75
89) BROMOBENZENE	13.724	77	3729	0.11	PPBV		94
90) 2-CHLOROTOLUENE	14.849	126	1777	0.10	PPBV		96
91) N-PROPYLBENZENE	15.200	120	1935	0.10	PPBV	#	79
92) 4-ETHYLTOLUENE	15.637	105	7213	0.10	PPBV	#	98
93) 1,3,5-TRIMETHYLBENZENE	15.911	105	6007	0.10	PPBV		95
94) ALPHA-METHYLSTYRENE	16.216	118	2749	0.09	PPBV		95
95) TERT-BUTYLBENZENE	16.528	134	1442	0.10	PPBV		99
96) 1,2,4-TRIMETHYLBENZENE	16.531	105	6050	0.10	PPBV		99
97) BENZYL CHLORIDE	16.624	91	4378	0.08	PPBV		98
98) M-DICHLOROBENZENE	16.599	146	3860	0.09	PPBV		98
99) P-DICHLOROBENZENE	16.689	146	4056	0.10	PPBV		98
100) O-DICHLOROBENZENE	17.010	146	3850	0.10	PPBV		97
101) SEC-BUTYLBENZENE	16.840	134	1712	0.10	PPBV		85
102) 1,2,3-TRIMETHYLBENZENE	16.956	105	5886	0.10	PPBV		98
103) P-ISOPROPYLTOLUENE	17.033	134	1960	0.10	PPBV		100
104) N-BUTYLBENZENE	17.393	134	1820	0.09	PPBV		93
105) HEXACHLOROETHANE	17.573	117	2186	0.09	PPBV		96
106) HEXACHLOROBUTADIENE	18.631	225	2717	0.10	PPBV		98
107) 1,2,4-TRICHLOROBENZENE	18.322	180	2419	0.07	PPBV		96
108) NAPHTHALENE	18.370	128	5107	0.07	PPBV		97
110) TVHC as equiv Pentane	2.271	TIC	6736m	0.12	PPBV		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 06:11:29 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration

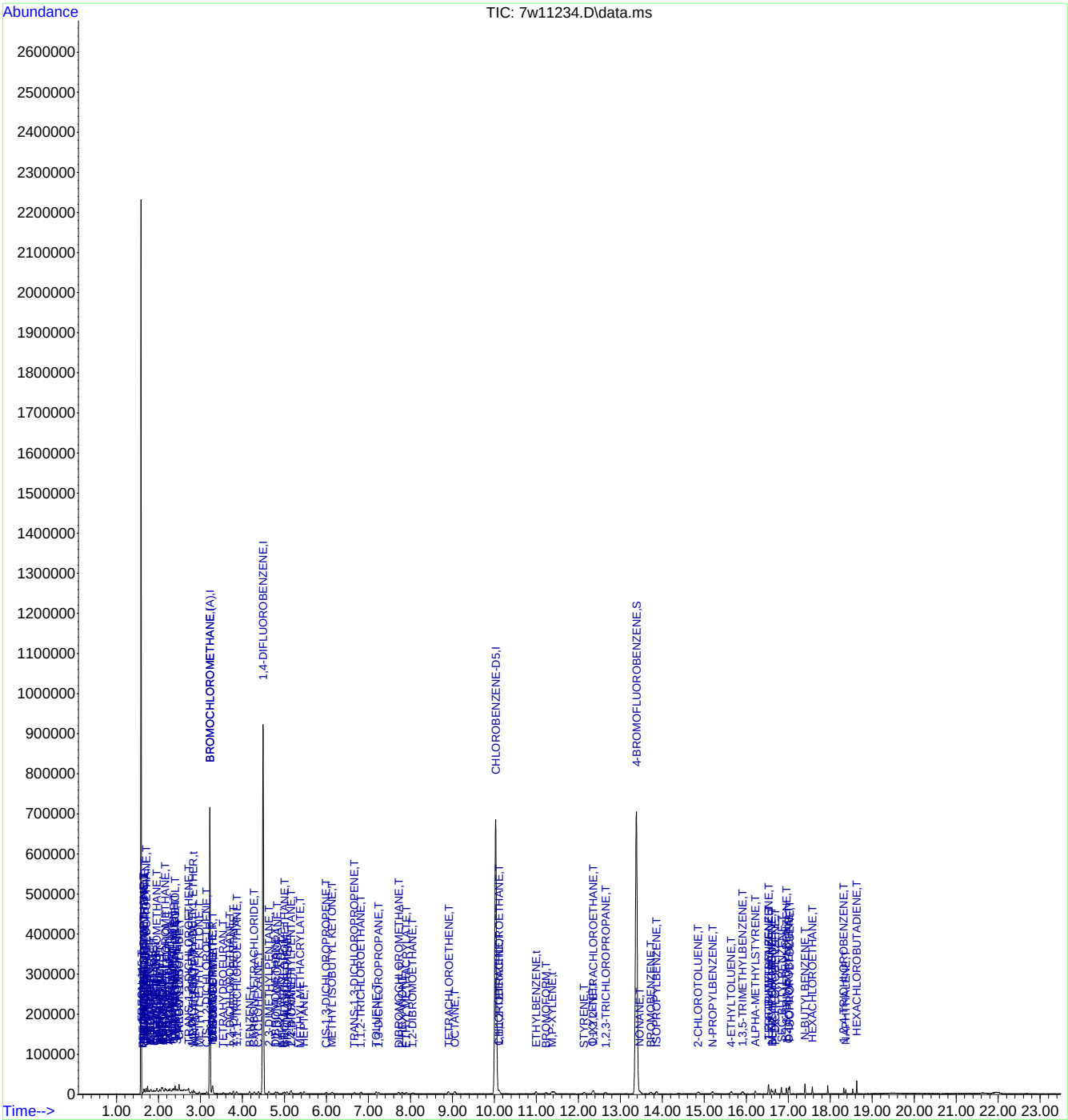
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 06:11:29 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration



Manual Integration Approval Summary

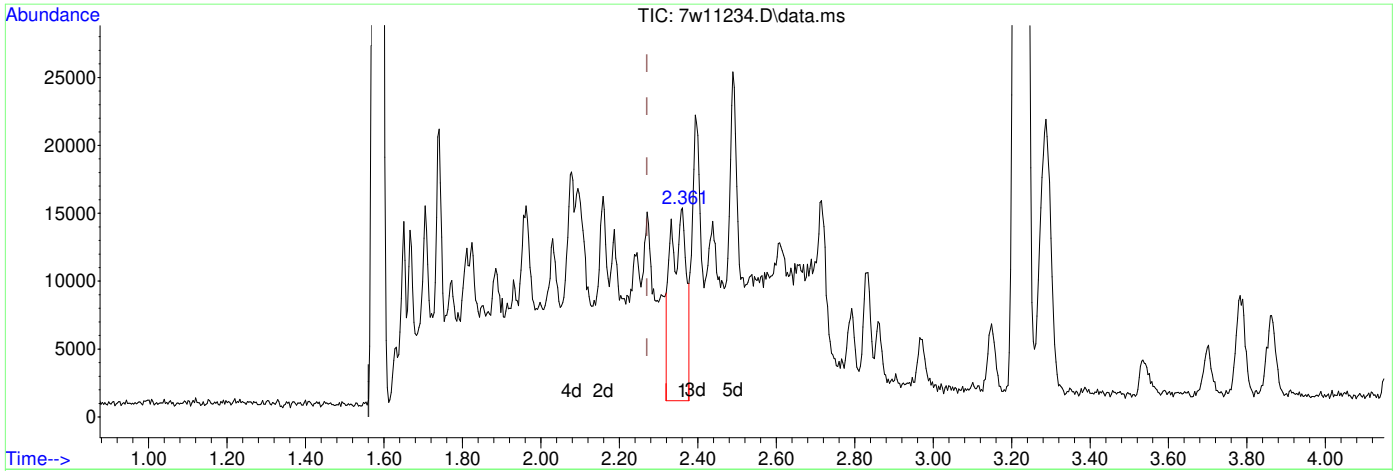
Sample Number: V7W405-IC405
Lab FileID: 7W11234.D
Injection Time: 12/28/24 09:53
Method: TO-15
Analyst approved: 12/30/24 00:11 Kanya Veerawat
Supervisor approved: 12/30/24 00:15 Kanya Veerawat

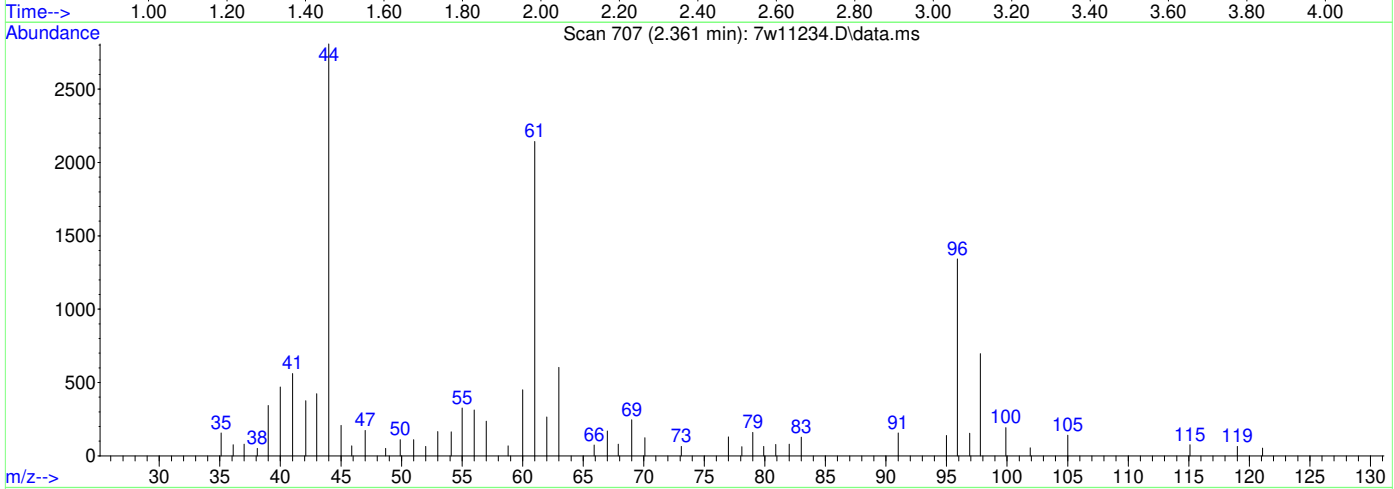
Parameter	CAS	Sig#	R.T. (min.)	Reason
Propylene	115-07-1		1.65	Missed peak
Chloromethane	74-87-3		1.71	Poor instrument integration
n-Butane	106-97-8		1.83	Poor instrument integration
Ethanol	64-17-5		1.97	Poor instrument integration
Acrolein	107-02-8		2.07	Poor instrument integration
Acetone (2-Propanone)	67-64-1		2.11	Poor instrument integration
Acrylonitrile	107-13-1		2.24	Poor instrument integration
Pentane	109-66-0		2.27	Poor instrument integration
TVHC As Equiv Pentane			2.27	Missed peak
1,4-Dioxane	123-91-1		5.17	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:53:04 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration





TIC: 7w11234.D\data.ms

(110) TVHC as equiv Pentane

2.361min (+0.090) 0.68PPBV

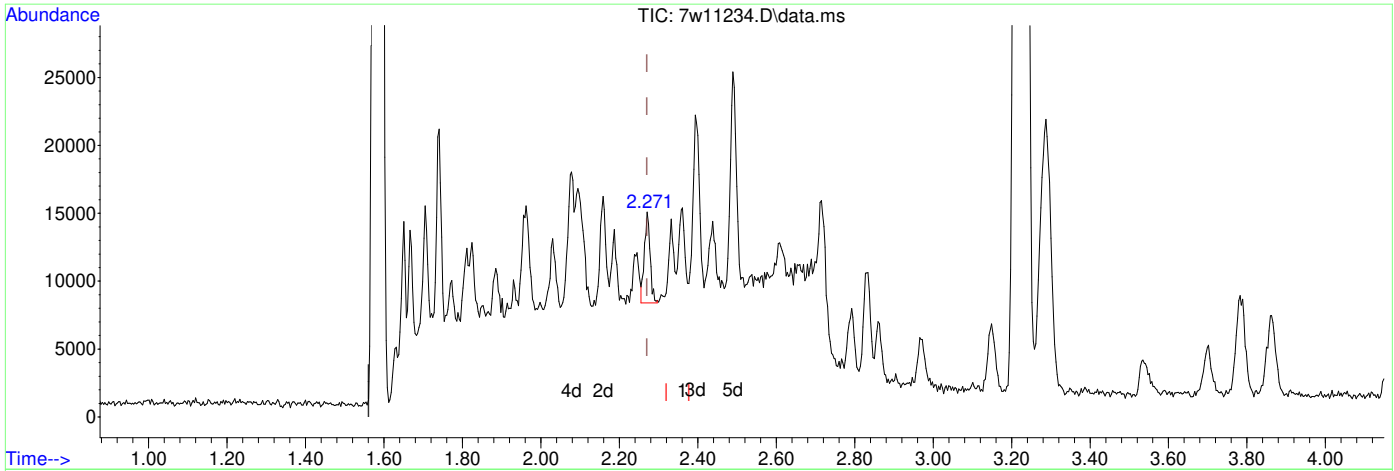
response 38161

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:53:04 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration



TIC: 7w11234.D\data.ms

(110) TVHC as equiv Pentane

2.271min (+0.000) 0.12PPBV m

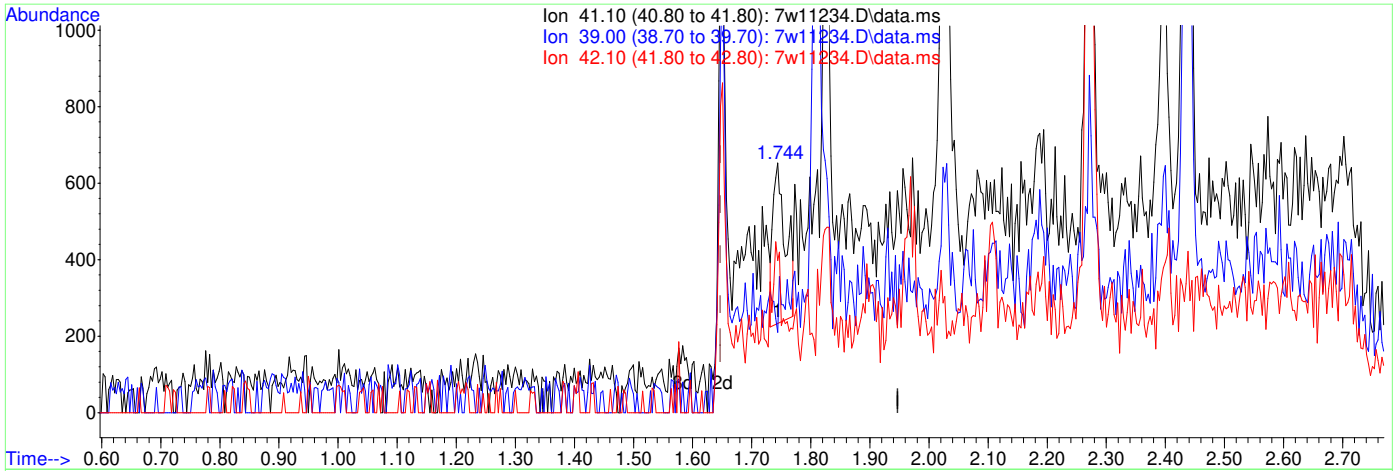
response 6736

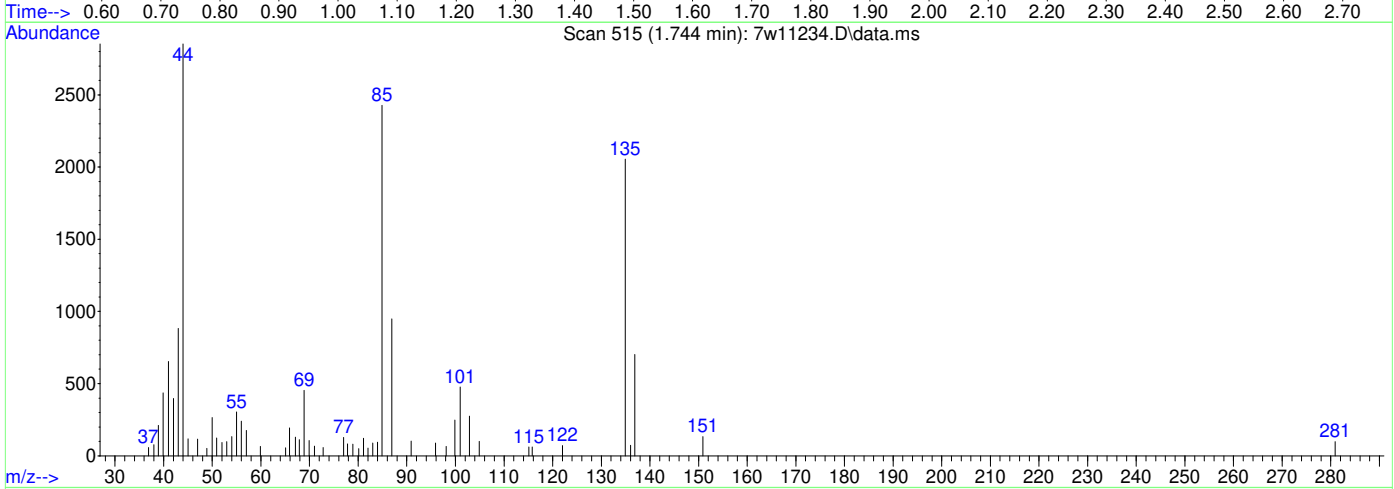
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:54:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration





TIC: 7w11234.D\data.ms

(7) PROPYLENE (T)

1.744min (+0.097) 0.08PPBV

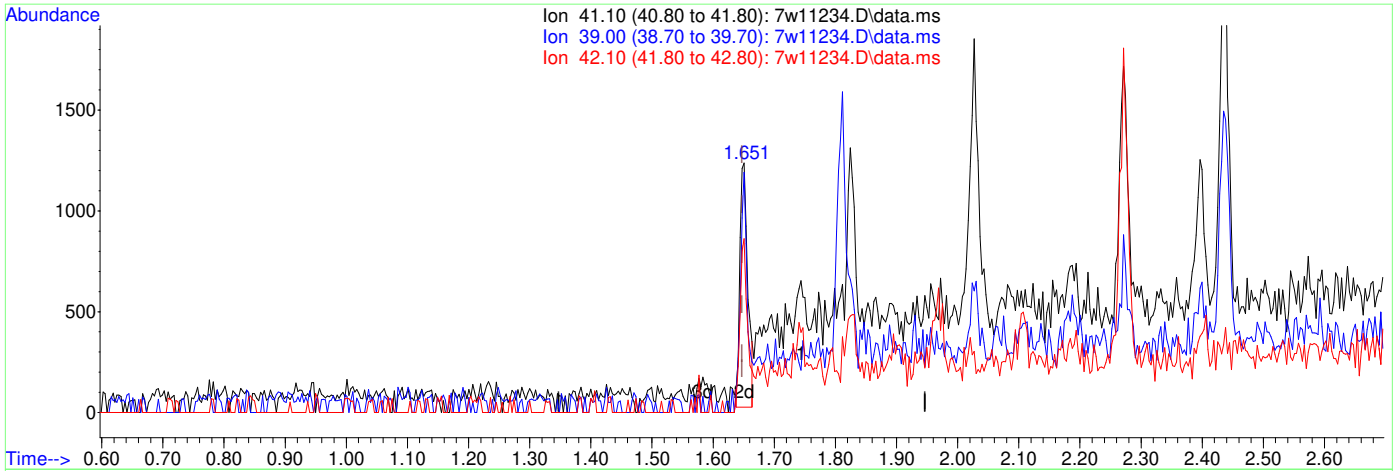
response 624

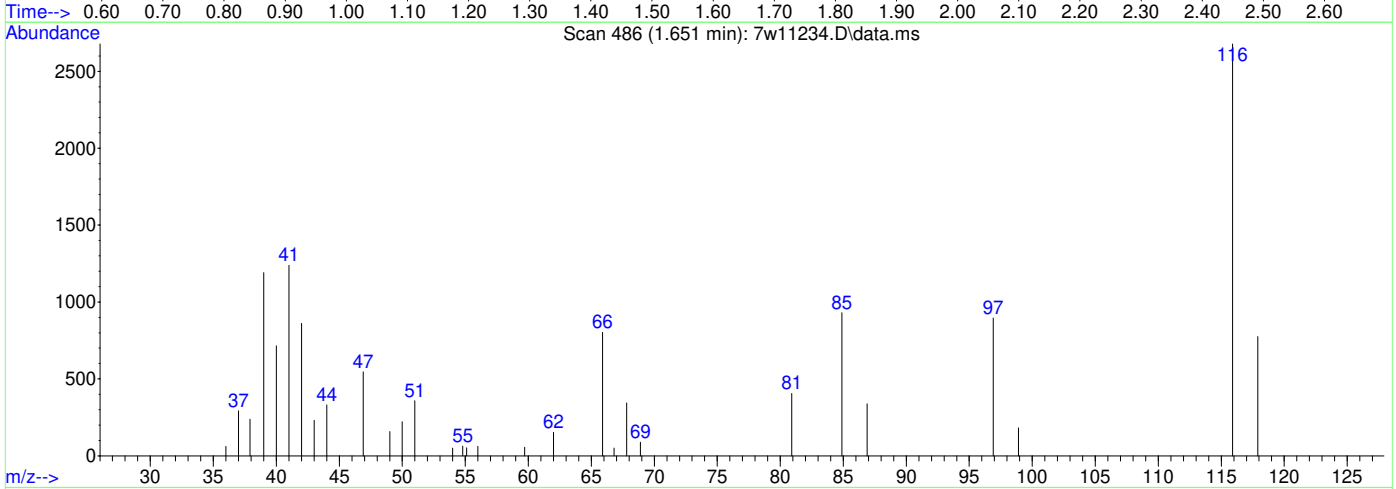
Ion	Exp%	Act%
41.10	100	100
39.00	75.60	60.74
42.10	66.60	82.37
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:54:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration





TIC: 7w11234.D\data.ms

(7) PROPYLENE (T)

1.651min (+0.004) 0.13PPBV m

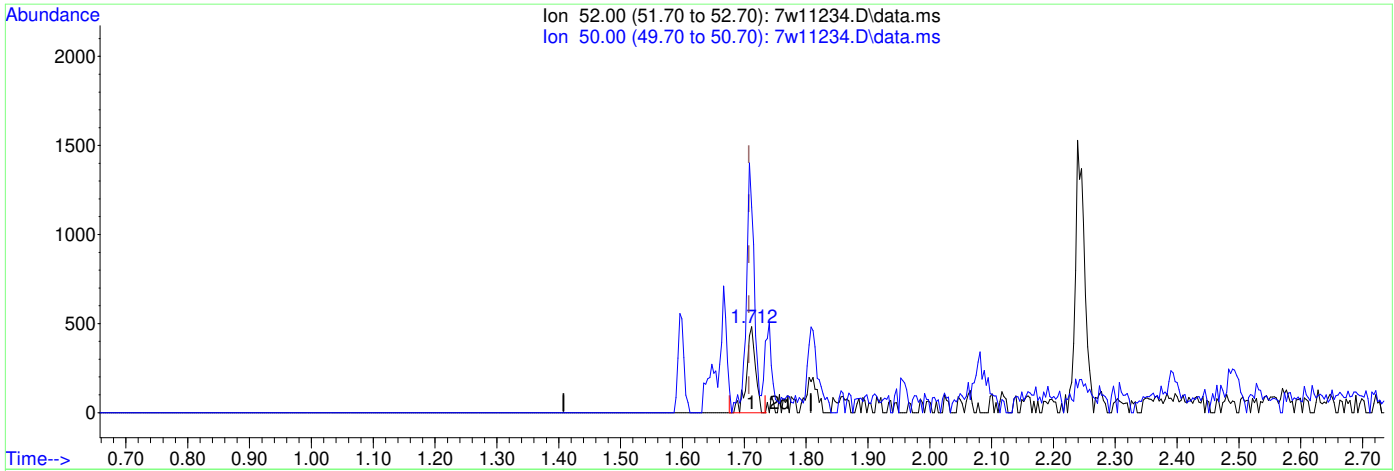
response 1091

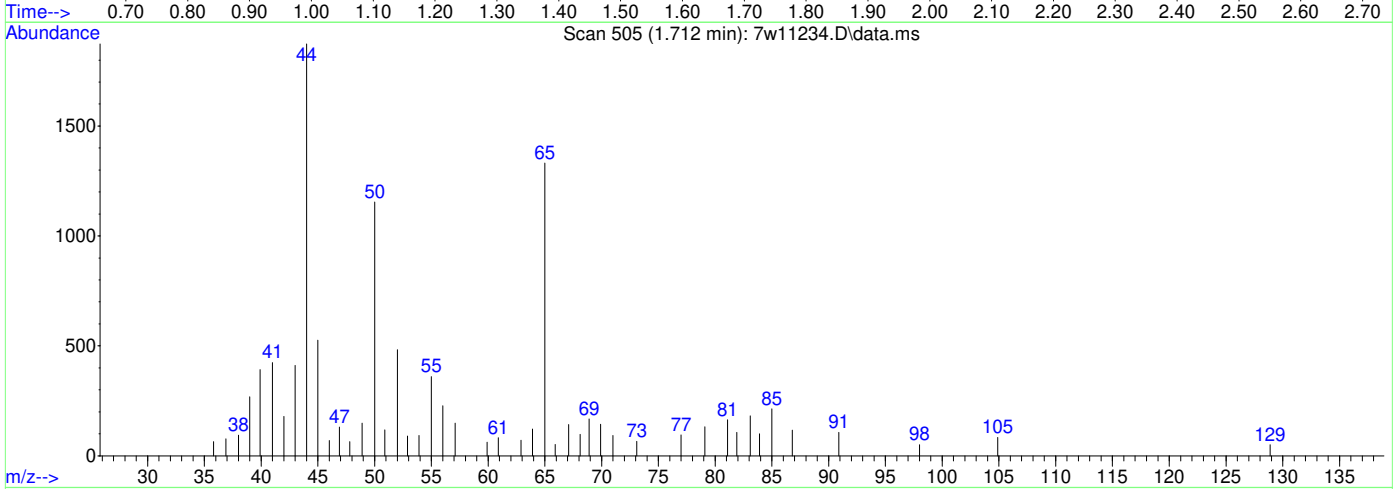
Ion	Exp%	Act%
41.10	100	100
39.00	75.60	34.74#
42.10	66.60	47.11
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:54:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration





TIC: 7w11234.D\data.ms

(10) CHLOROMETHANE (T)

1.712min (+0.004) 0.15PPBV

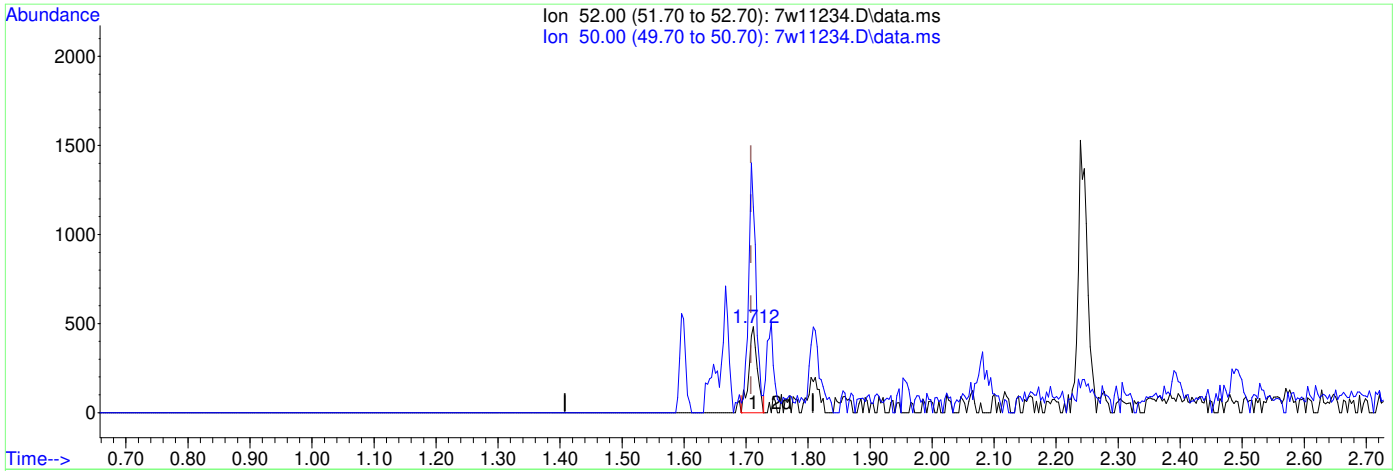
response 478

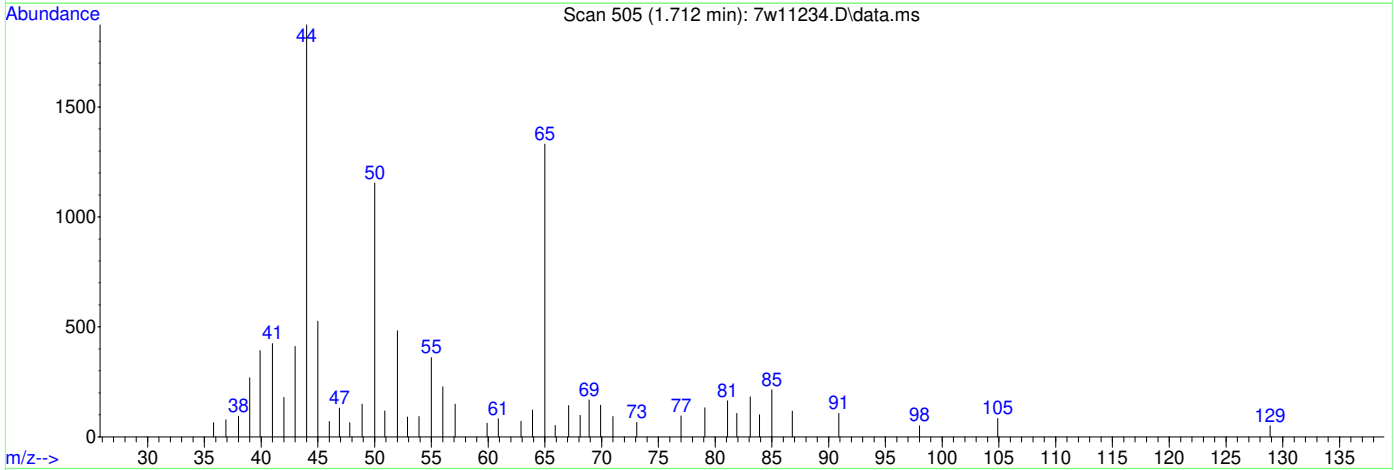
Ion	Exp%	Act%
52.00	100	100
50.00	314.50	235.15
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:54:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration





TIC: 7w11234.D\data.ms

(10) CHLOROMETHANE (T)

1.712min (+0.004) 0.14PPBV m

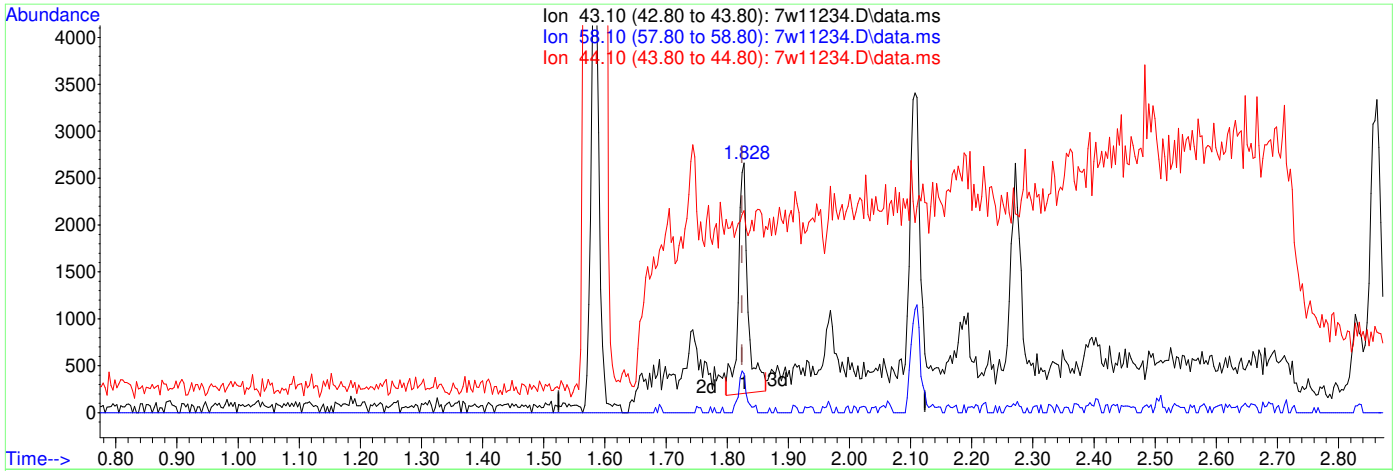
response 455

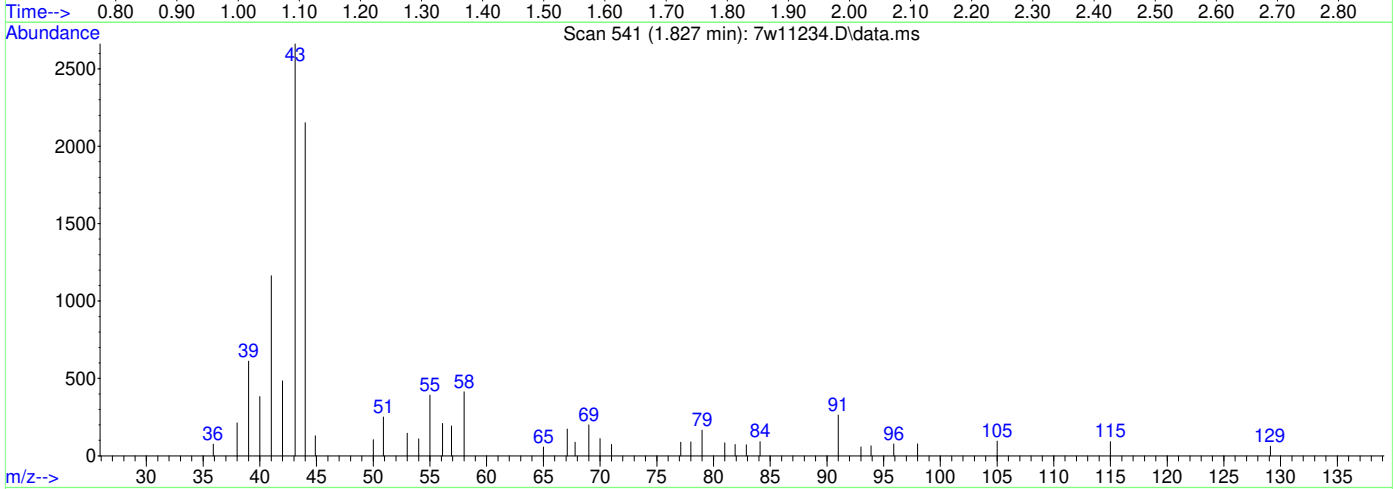
Ion	Exp%	Act%
52.00	100	100
50.00	314.50	247.03
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:54:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration





TIC: 7w11234.D\data.ms

(13) N-BUTANE (T)

1.827min (+0.003) 0.16PPBV

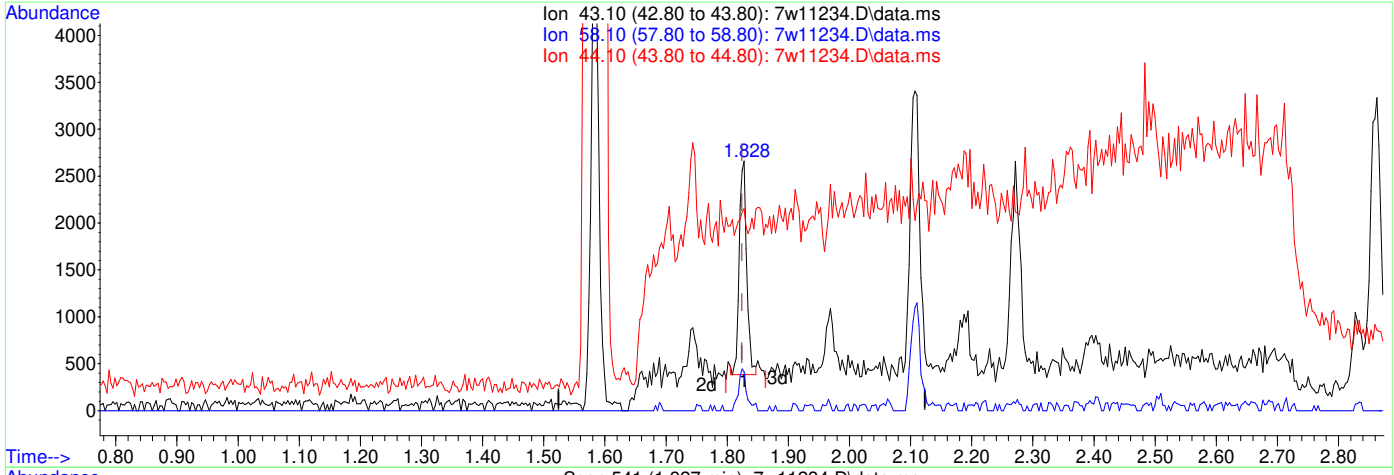
response 2700

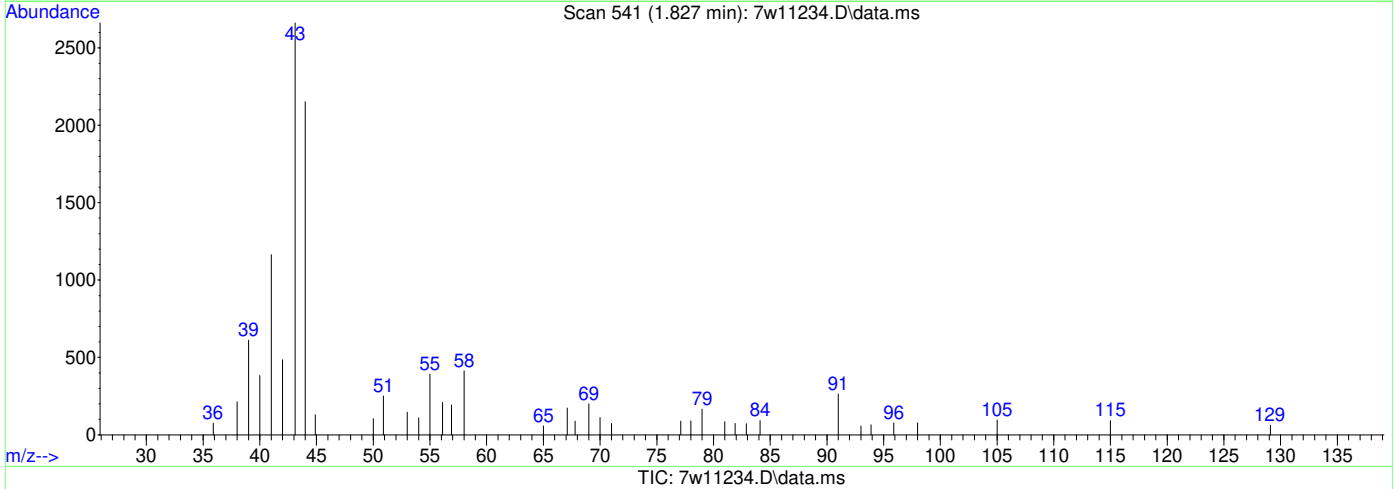
Ion	Exp%	Act%
43.10	100	100
58.10	14.80	15.67
44.10	4.30	58.37#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:54:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration





TIC: 7w11234.D\data.ms

(13) N-BUTANE (T)

1.827min (+0.003) 0.12PPBV m

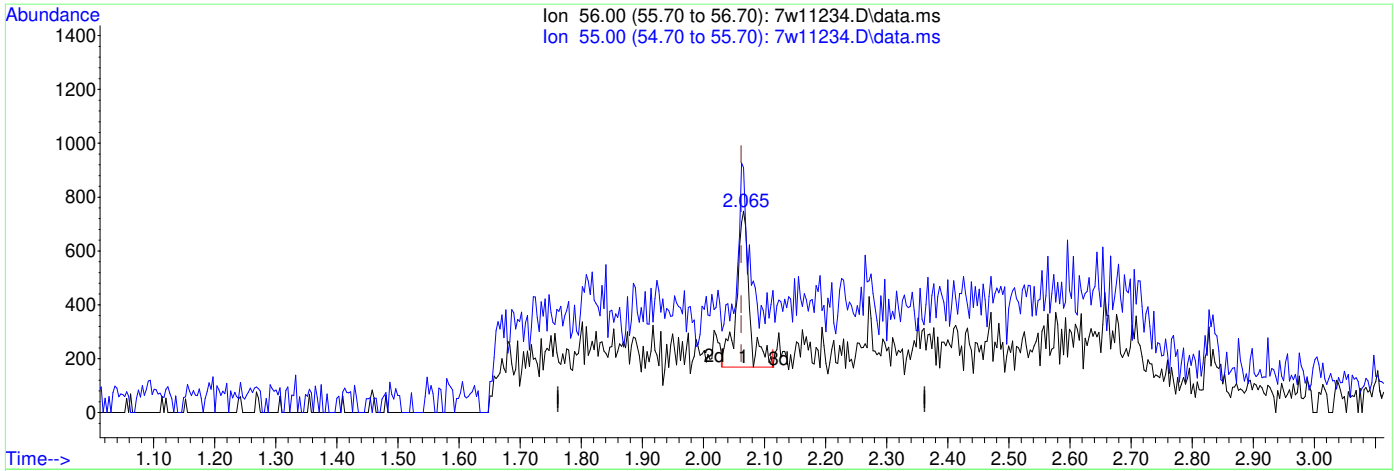
response 1929

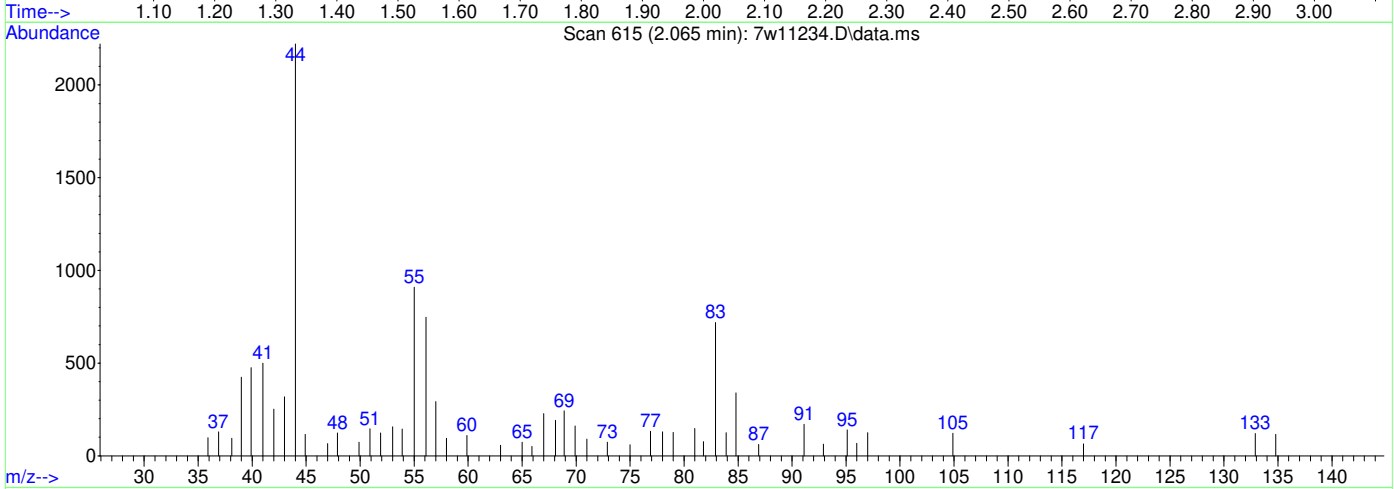
Ion	Exp%	Act%
43.10	100	100
58.10	14.80	21.93#
44.10	4.30	81.70#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:54:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration





TIC: 7w11234.D\data.ms

(18) ACROLEIN (T)

2.065min (+0.003) 0.16PPBV

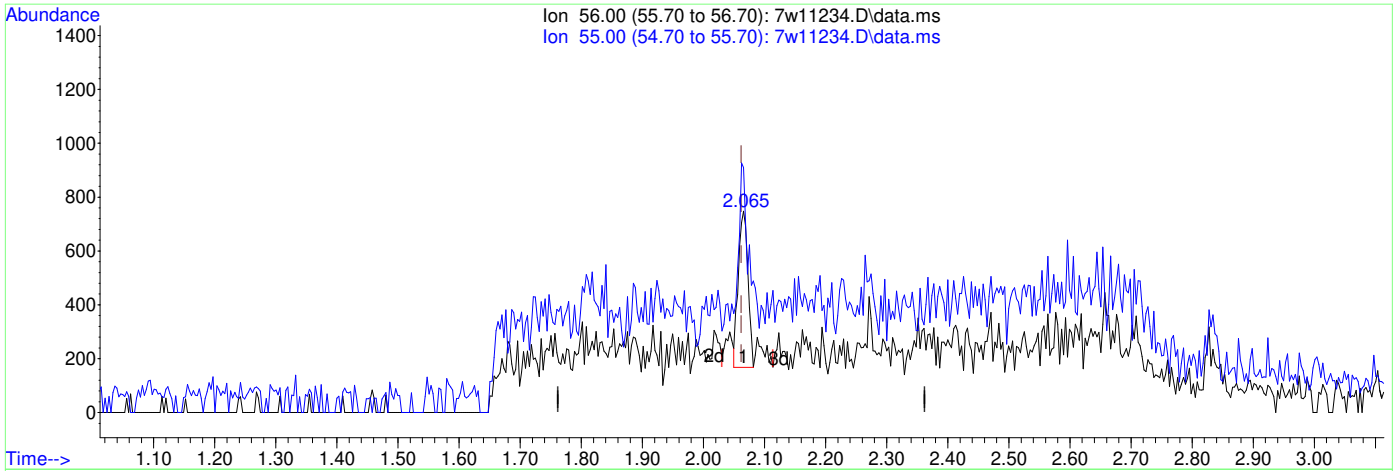
response 850

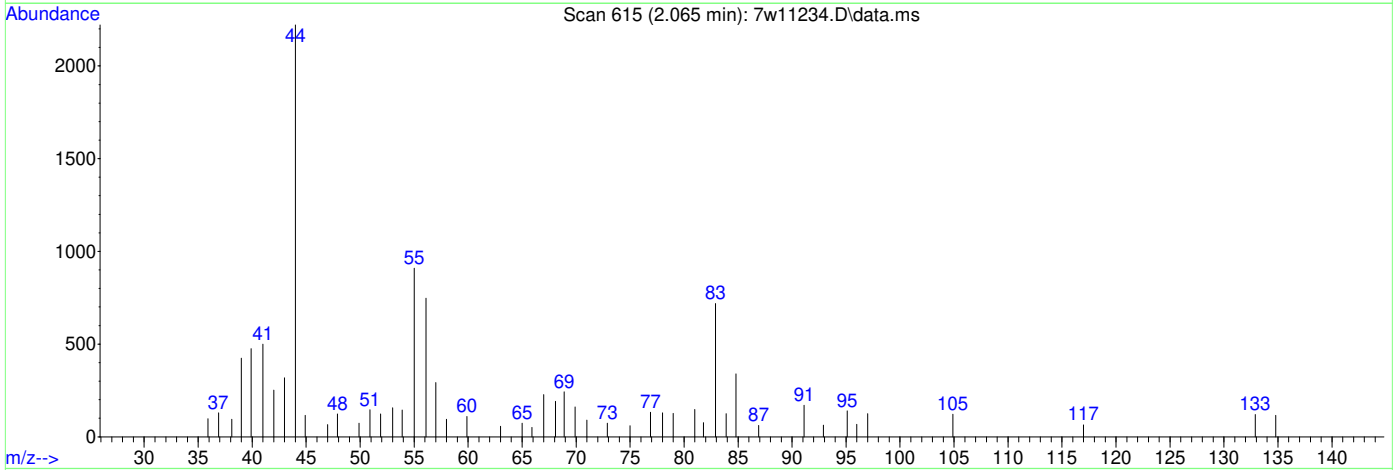
Ion	Exp%	Act%
56.00	100	100
55.00	71.80	99.76#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:54:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration





TIC: 7w11234.D\data.ms

(18) ACROLEIN (T)

2.065min (+0.003) 0.12PPBV m

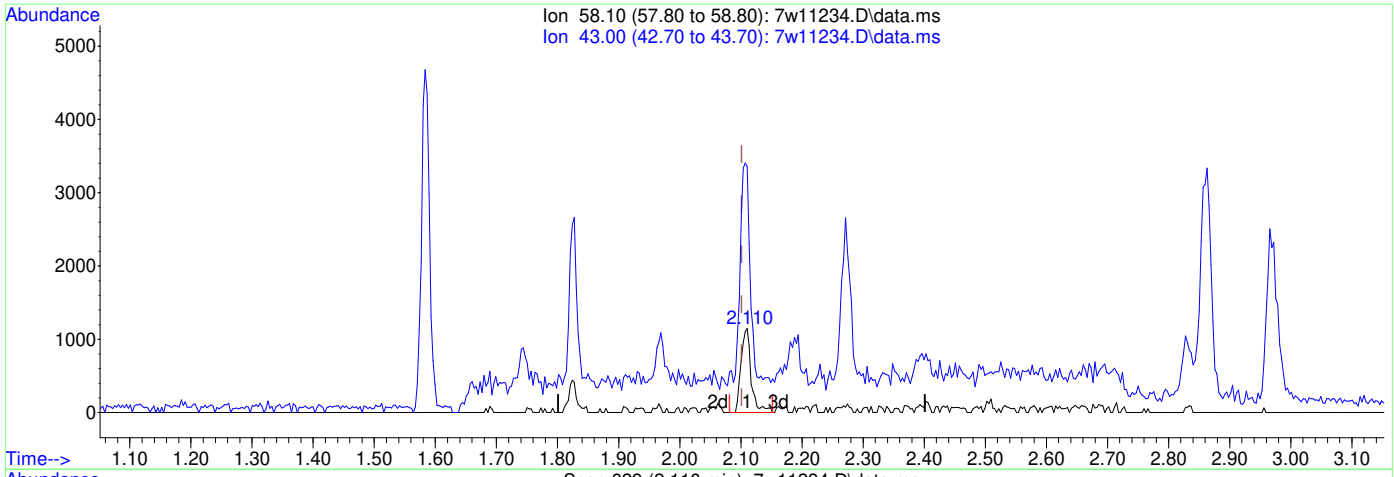
response 638

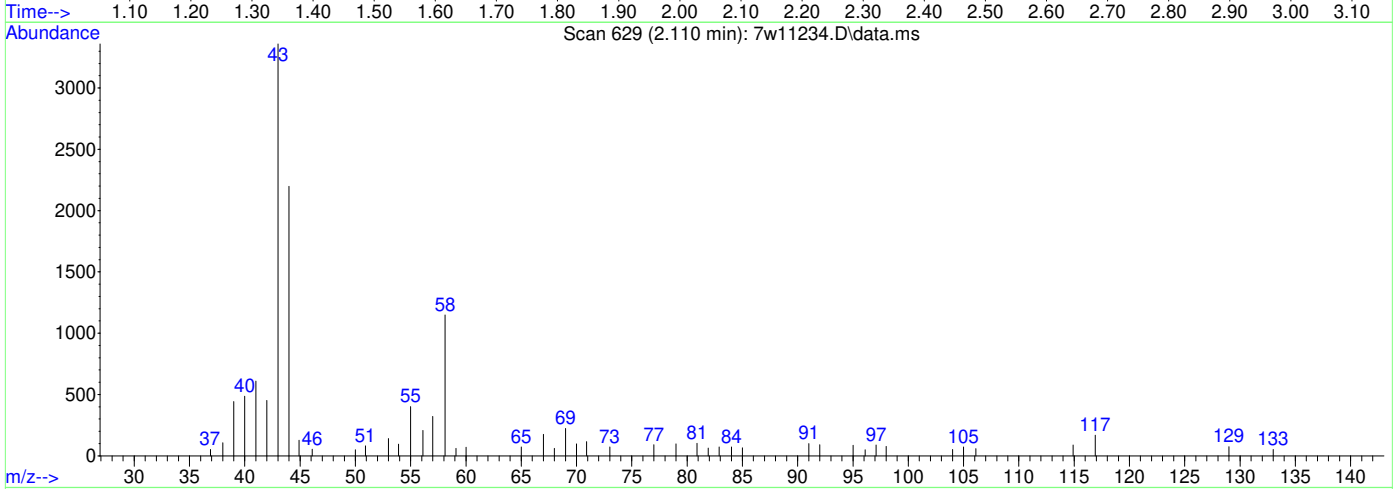
Ion	Exp%	Act%
56.00	100	100
55.00	71.80	132.92#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:54:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration





TIC: 7w11234.D\data.ms

(23) ACETONE (T)

2.110min (+0.009) 0.20PPBV

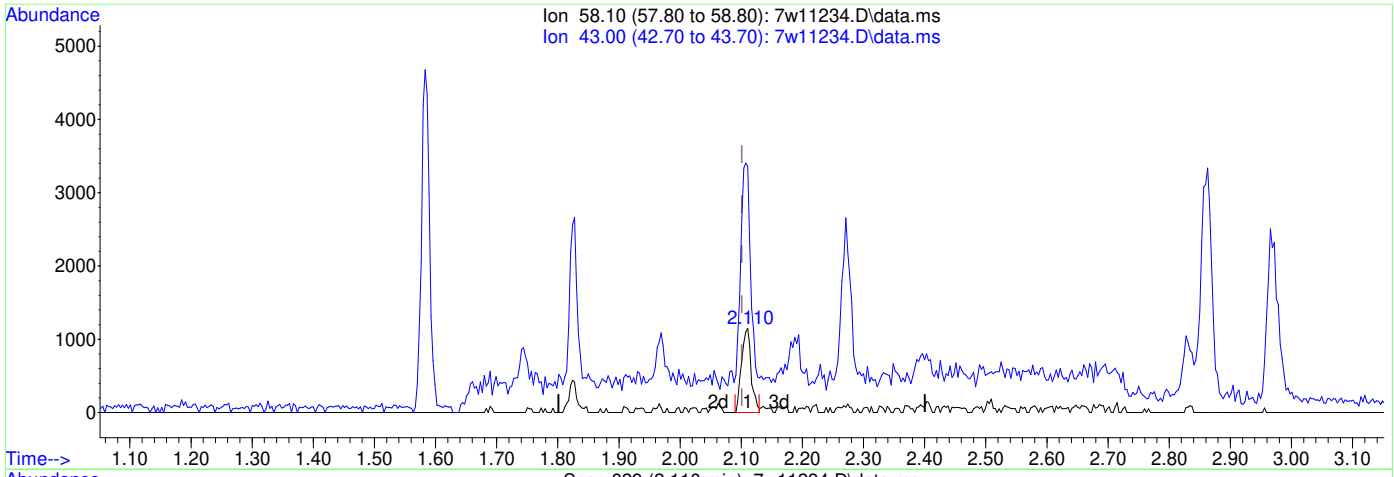
response 1323

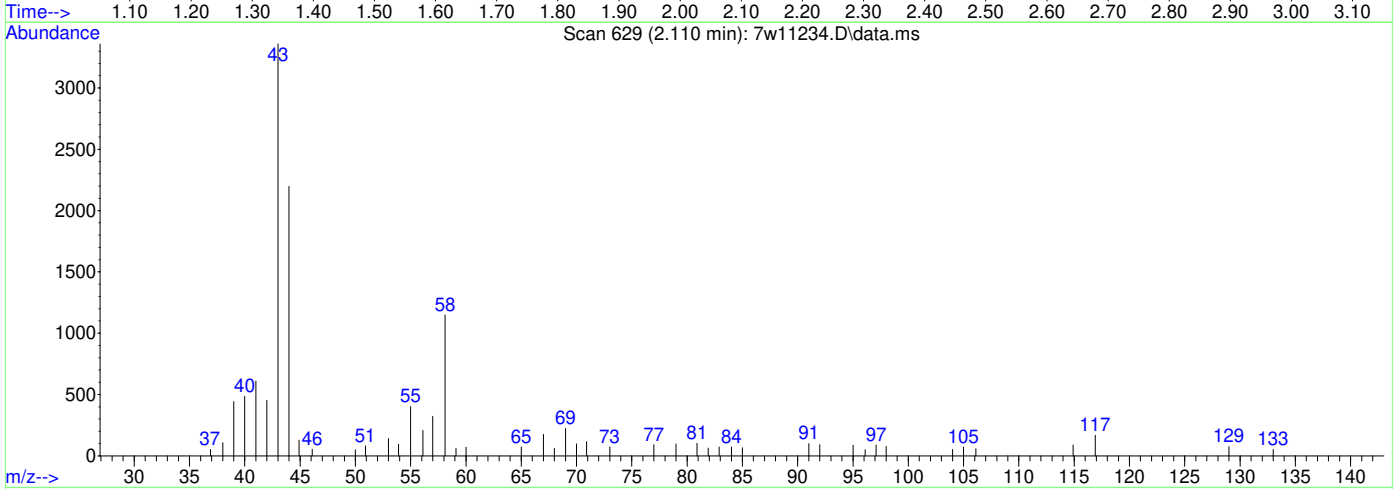
Ion	Exp%	Act%
58.10	100	100
43.00	334.80	261.38
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:54:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration





TIC: 7w11234.D\data.ms

(23) ACETONE (T)

2.110min (+0.009) 0.19PPBV m

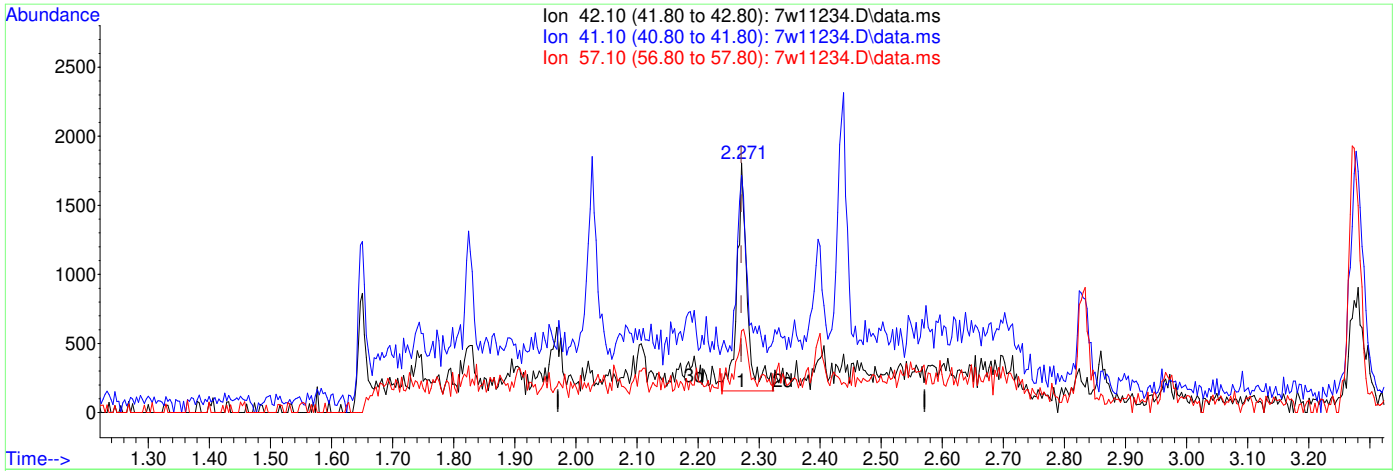
response 1248

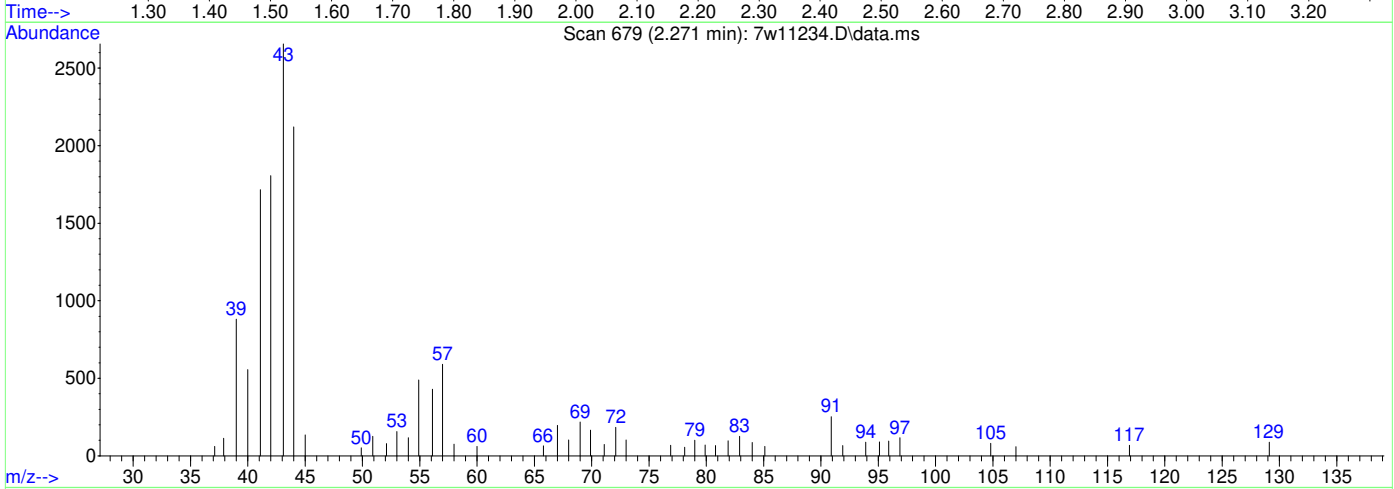
Ion	Exp%	Act%
58.10	100	100
43.00	334.80	277.08
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:54:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration





TIC: 7w11234.D\data.ms

(24) PENTANE (T)

2.271min (+0.000) 0.17PPBV

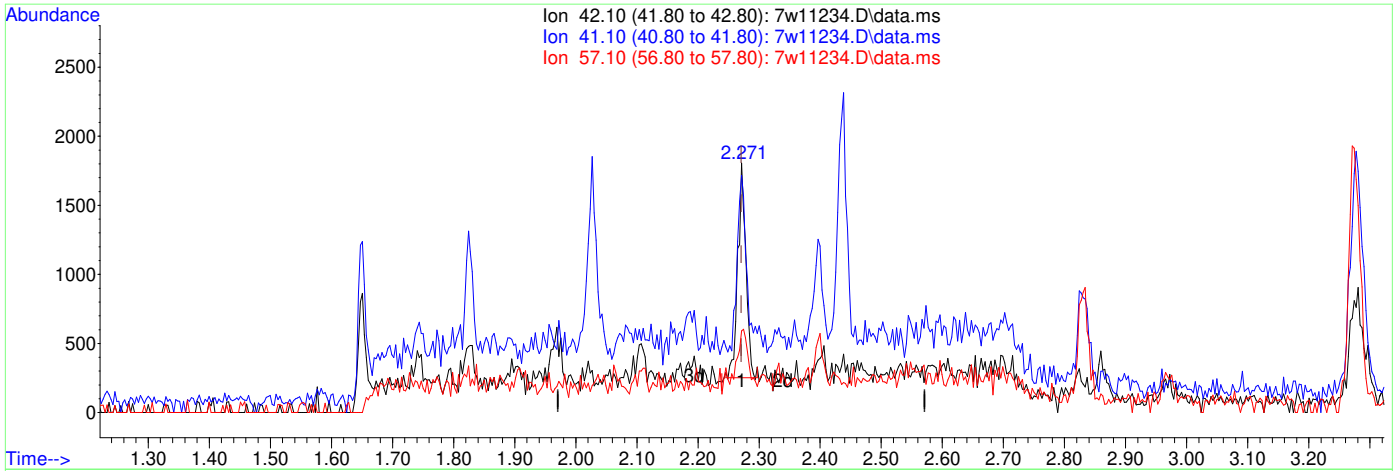
response 1928

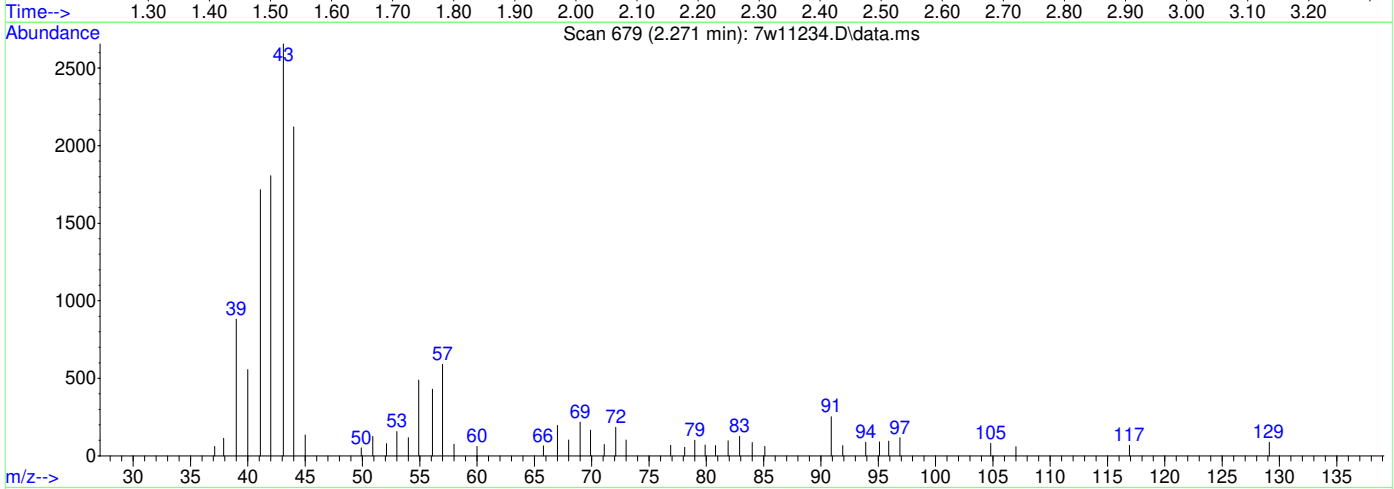
Ion	Exp%	Act%
42.10	100	100
41.10	92.50	84.23
57.10	28.20	33.45
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:54:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration





TIC: 7w11234.D\data.ms

(24) PENTANE (T)

2.271min (+0.000) 0.12PPBV m

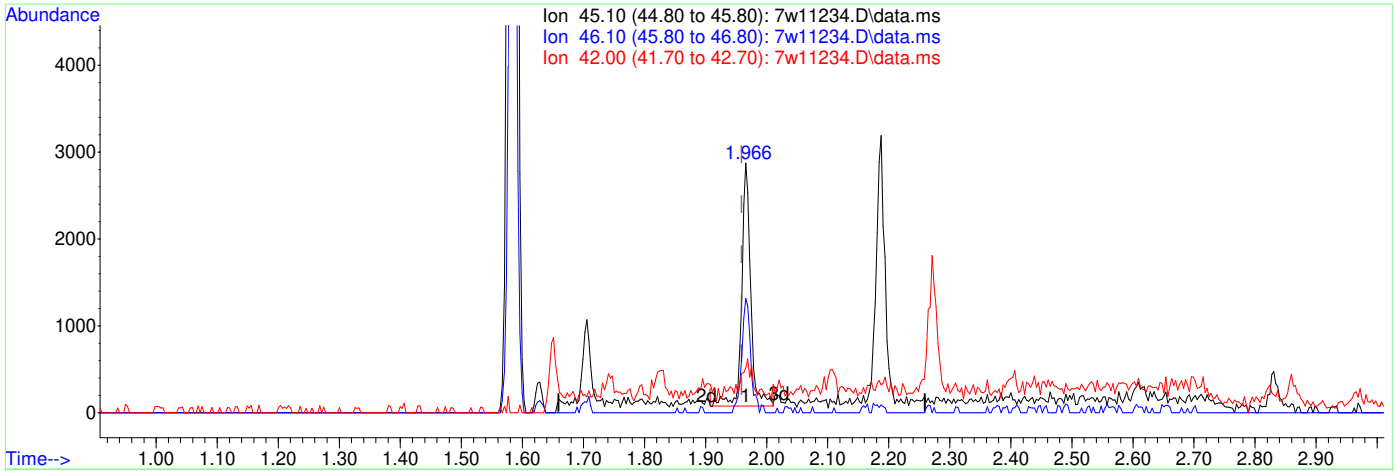
response 1433

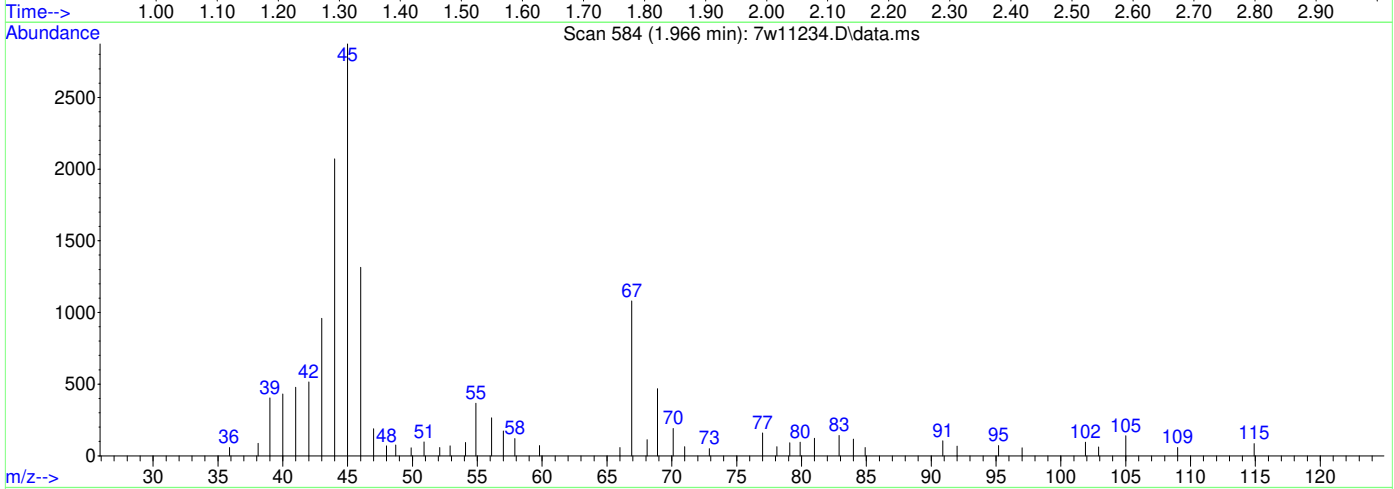
Ion	Exp%	Act%
42.10	100	100
41.10	92.50	113.33
57.10	28.20	45.01#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:54:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration





TIC: 7w11234.D\data.ms

(28) ETHANOL (T)

1.966min (+0.007) 0.31PPBV

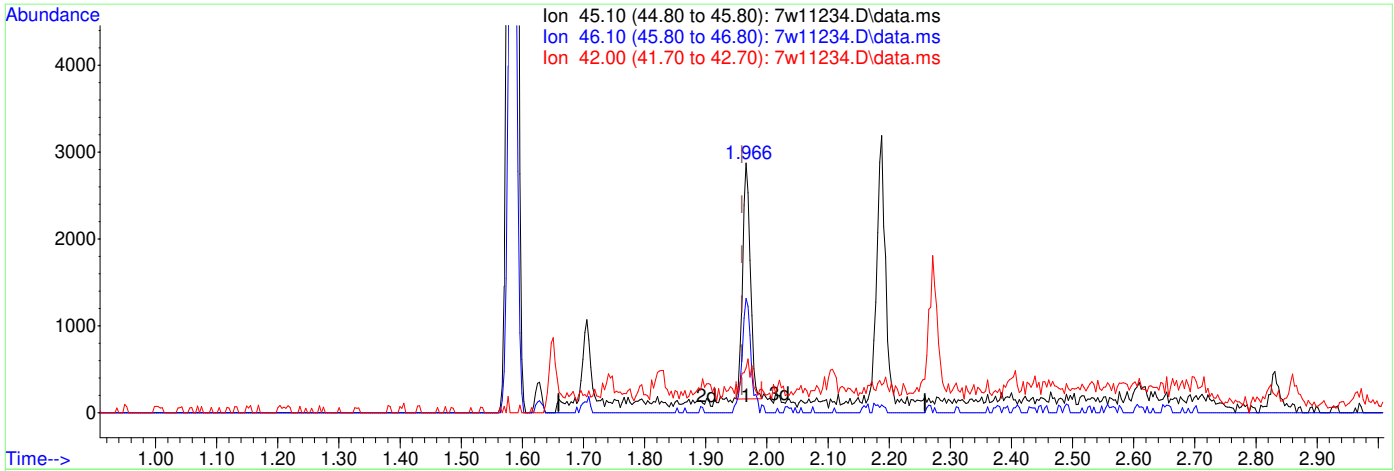
response 2854

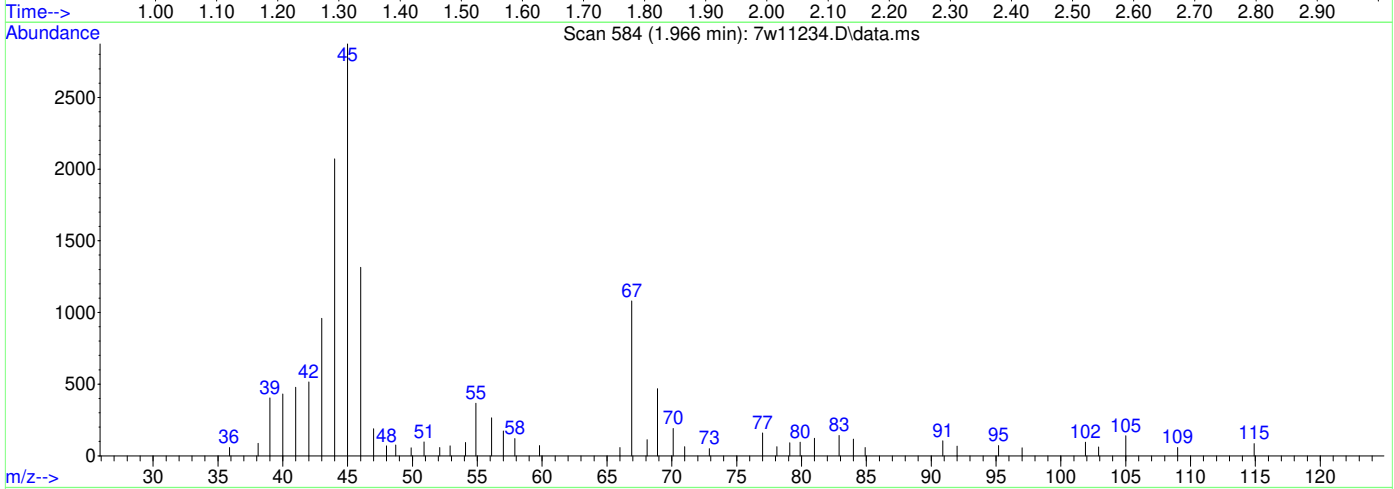
Ion	Exp%	Act%
45.10	100	100
46.10	40.80	47.62
42.00	9.00	24.25#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:54:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration





TIC: 7w11234.D\data.ms

(28) ETHANOL (T)

1.966min (+0.007) 0.26PPBV m

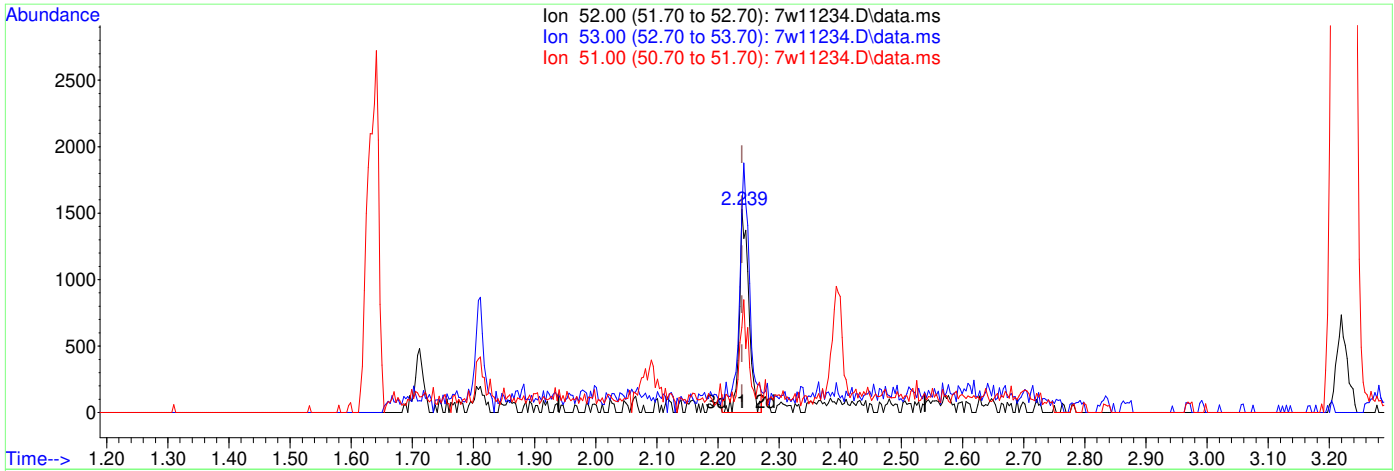
response 2393

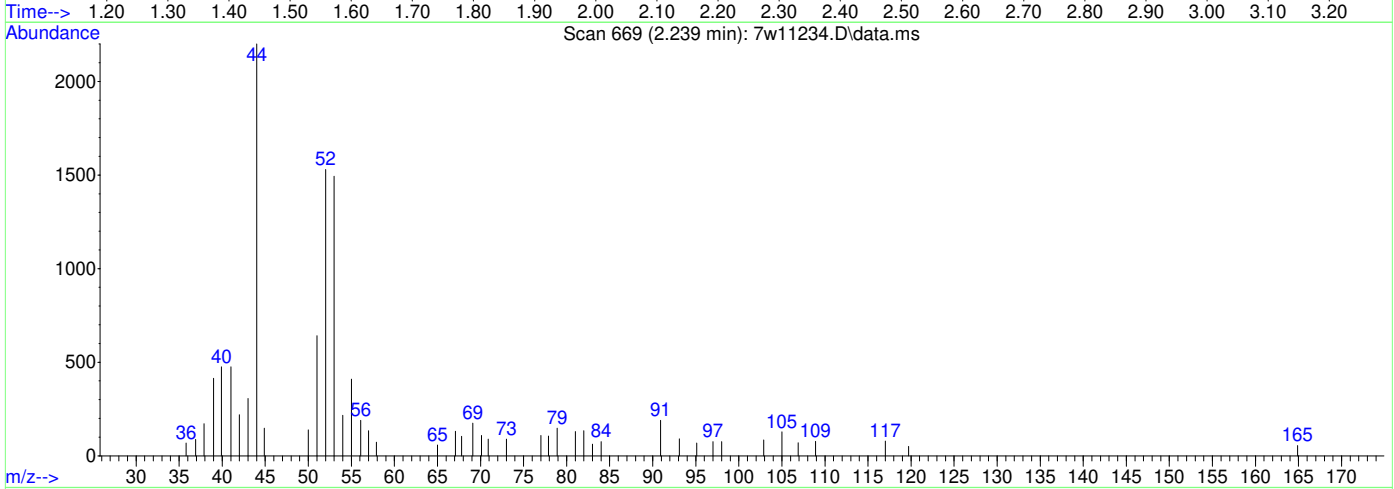
Ion	Exp%	Act%
45.10	100	100
46.10	40.80	56.79#
42.00	9.00	28.92#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:54:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration





TIC: 7w11234.D\data.ms

(30) ACRYLONITRILE (T)

2.239min (+0.000) 0.18PPBV

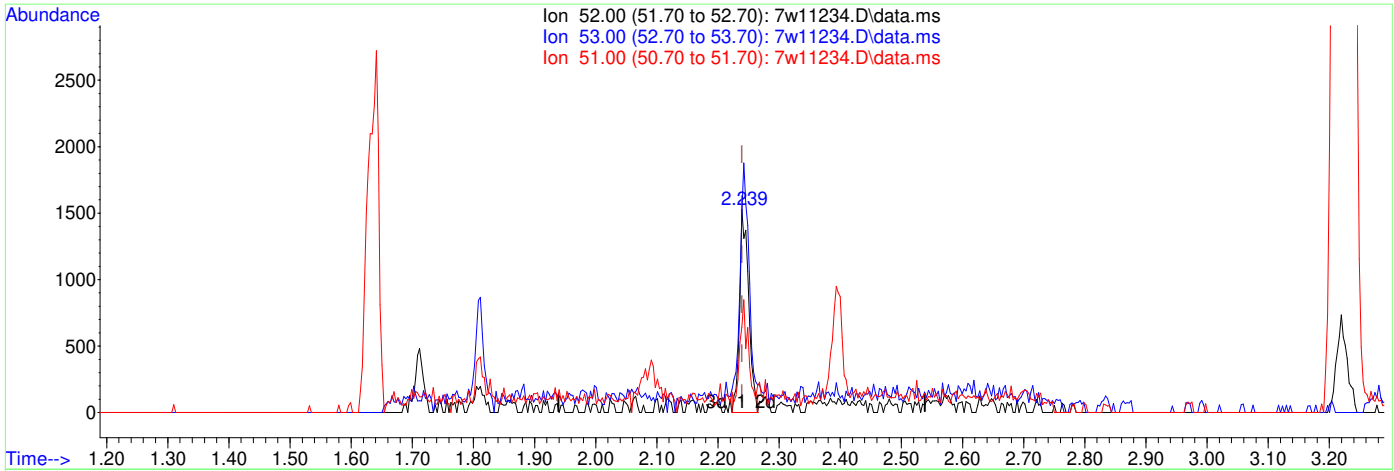
response 1634

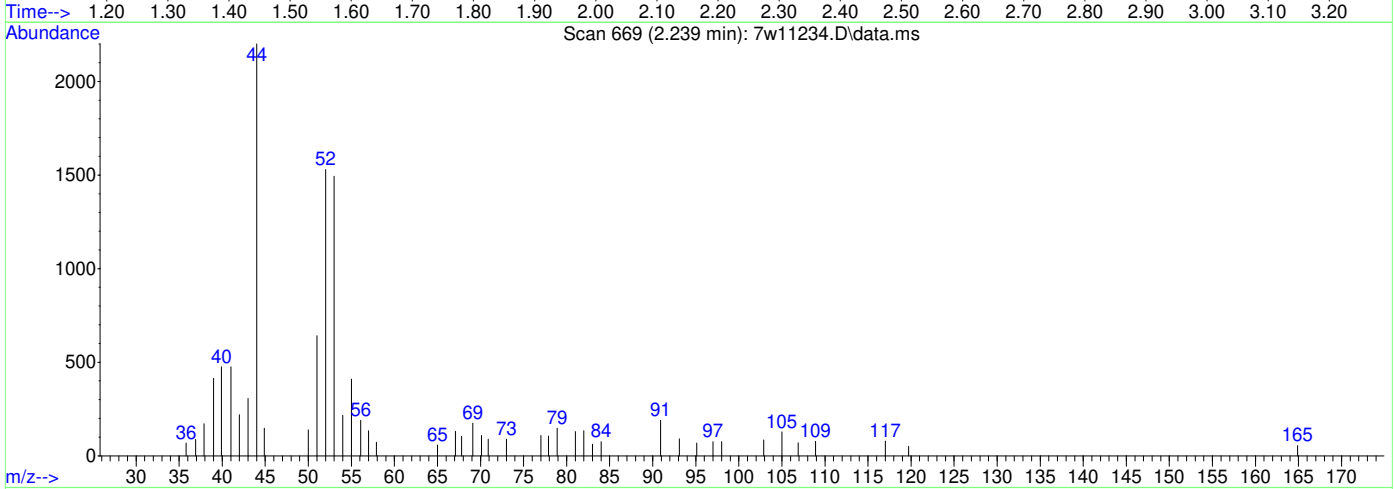
Ion	Exp%	Act%
52.00	100	100
53.00	121.70	128.40
51.00	46.00	60.10#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:54:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration





TIC: 7w11234.D\data.ms

(30) ACRYLONITRILE (T)

2.239min (+0.000) 0.18PPBV m

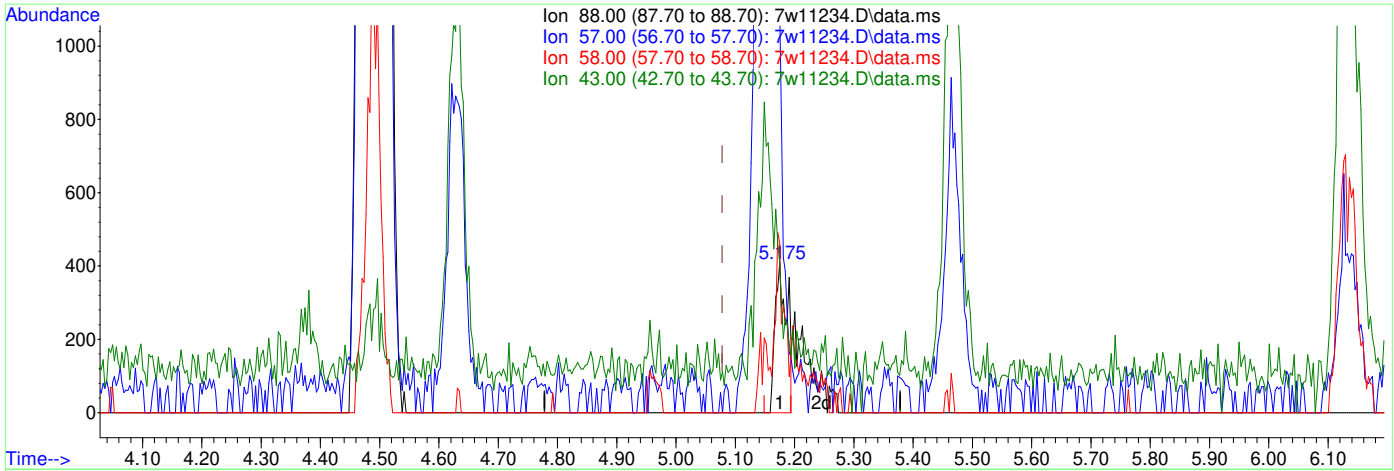
response 1573

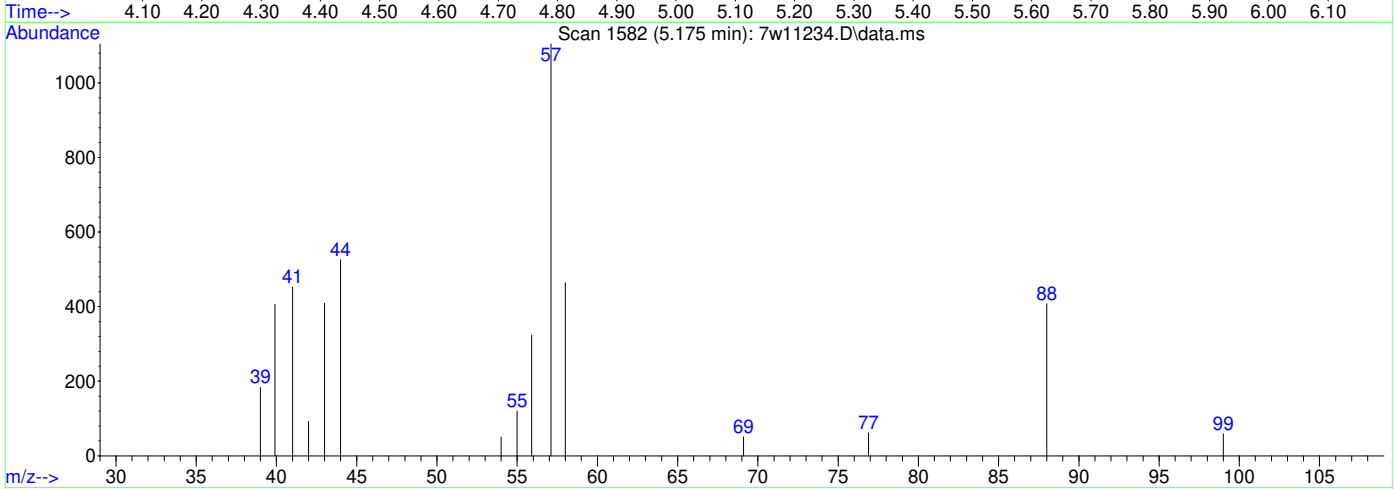
Ion	Exp%	Act%
52.00	100	100
53.00	121.70	133.38
51.00	46.00	62.43#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:54:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration





TIC: 7w11234.D\data.ms

(61) 1,4-DIOXANE (T)

5.175min (+0.097) 0.06PPBV

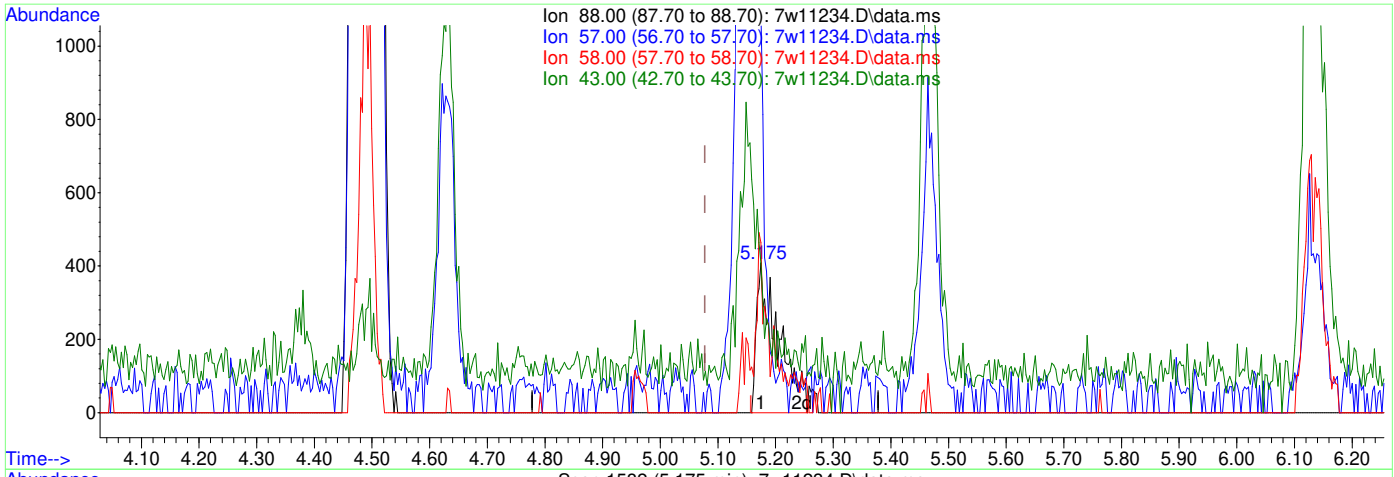
response 578

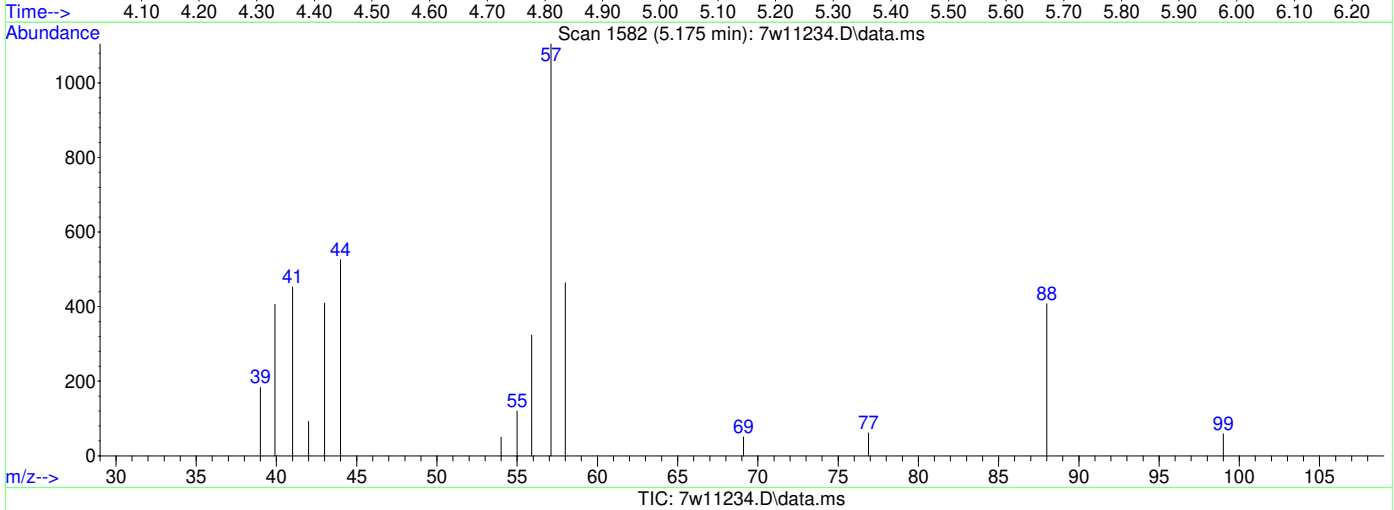
Ion	Exp%	Act%
88.00	100	100
57.00	21.40	1311.25#
58.00	71.40	125.43#
43.00	28.80	0.00#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:54:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration





TIC: 7w11234.D\data.ms

(61) 1,4-DIOXANE (T)

5.175min (+0.097) 0.10PPBV m

response 1055

Ion	Exp%	Act%
88.00	100	100
57.00	21.40	718.39#
58.00	71.40	68.72
43.00	28.80	0.00#

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 12/30/24 00:15

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11235.D
Acq On : 28 Dec 2024 10:32 am
Operator : benk
Sample : ic405-0.20
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:49:48 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:28:20 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.226	128	135376	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.496	114	684640	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.033	117	633519	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.226	128	135376	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.383	95	453874	9.81	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.596	119	3166	0.30	PPBV		96
3) FREON 152A	1.625	65	1416	0.21	PPBV		98
4) CHLORODIFLUOROMETHANE	1.638	67	685	0.21	PPBV		87
5) CHLOROTRIFLUOROETHENE	1.647	116	3459	0.22	PPBV		98
6) DICHLORODIFLUOROMETHANE	1.667	85	7449	0.22	PPBV		99
7) PROPYLENE	1.647	41	1987	0.24	PPBV		93
8) 1-CHLORO-1,1-DIFLUOROE...	1.702	65	5376	0.22	PPBV	#	86
9) FREON 114	1.737	85	5911	0.22	PPBV		97
10) CHLOROMETHANE	1.712	52	727	0.23	PPBV		87
11) VINYL CHLORIDE	1.769	62	2419	0.21	PPBV		94
12) 1,3-BUTADIENE	1.808	54	2115	0.24	PPBV		88
13) N-BUTANE	1.824	43	3862	0.24	PPBV	#	82
14) BROMOMETHANE	1.885	94	2081	0.21	PPBV	#	89
15) CHLOROETHANE	1.930	64	1245	0.21	PPBV	#	76
16) DICHLOROFLUOROMETHANE	1.956	67	5342	0.22	PPBV		99
17) ACETONITRILE	2.030	41	2440m	0.24	PPBV		
18) ACROLEIN	2.068	56	1350	0.25	PPBV		100
19) FREON 123	2.075	83	5377	0.21	PPBV		97
20) FREON 123A	2.091	117	3608	0.23	PPBV		94
21) TRICHLOROFLUOROMETHANE	2.155	101	6612	0.22	PPBV	#	98
22) ISOPROPYL ALCOHOL	2.204	45	6071	0.26	PPBV		97
23) ACETONE	2.120	58	2022m	0.33	PPBV		
24) PENTANE	2.271	42	2647	0.23	PPBV		89
25) IODOMETHANE	2.332	142	6124	0.22	PPBV		99
26) 1,1-DICHLOROETHYLENE	2.358	96	2396	0.22	PPBV		91
27) CARBON DISULFIDE	2.493	76	6168	0.21	PPBV	#	67
28) ETHANOL	1.975	45	4943m	0.72	PPBV		
29) BROMOETHENE	2.030	106	2344	0.22	PPBV	#	96
30) ACRYLONITRILE	2.245	52	3111	0.38	PPBV		98
31) METHYLENE CHLORIDE	2.396	84	3137	0.31	PPBV		95
32) 3-CHLOROPROPENE	2.435	76	1253	0.23	PPBV		67
33) FREON 113	2.493	151	4101	0.23	PPBV		100
34) TRANS-1,2-DICHLOROETHENE	2.718	96	2503	0.21	PPBV		97
35) TERTIARY BUTYL ALCOHOL	2.429	59	6213m	0.22	PPBV		
36) METHYL TERTIARY BUTYL ...	2.850	73	7955	0.23	PPBV	#	82
37) TETRAHYDROFURAN	3.544	72	1188	0.20	PPBV		77
38) HEXANE	3.277	57	4751	0.22	PPBV		80
39) VINYL ACETATE	2.866	86	700	0.21	PPBV	#	13
40) 1,1-DICHLOROETHANE	2.795	63	4780	0.21	PPBV		97
41) METHYL ETHYL KETONE	2.985	72	1419	0.23	PPBV	#	93
42) CIS-1,2-DICHLOROETHENE	3.152	96	2745	0.22	PPBV		98
43) DIISOPROPYL ETHER	3.303	59	1508	0.25	PPBV		78
44) ETHYL ACETATE	3.310	61	982	0.23	PPBV		93
45) METHYL ACRYLATE	3.287	55	5637	0.22	PPBV	#	99
46) CHLOROFORM	3.300	83	5495	0.22	PPBV		99
47) 2,4-DIMETHYLPENTANE	3.782	57	5377	0.22	PPBV		97
48) 1,1,1-TRICHLOROETHANE	3.866	97	5772	0.21	PPBV		99
49) CARBON TETRACHLORIDE	4.284	117	5354	0.19	PPBV		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11235.D
Acq On : 28 Dec 2024 10:32 am
Operator : benk
Sample : ic405-0.20
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:49:48 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:28:20 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50) 1,2-DICHLOROETHANE	3.702	62	3890	0.20	PPBV		98
51) BENZENE	4.175	78	8300	0.23	PPBV		99
53) CYCLOHEXANE	4.377	84	3553	0.22	PPBV		85
54) 2,3-DIMETHYLPENTANE	4.631	71	1803	0.21	PPBV		92
55) TRICHLOROETHENE	5.062	95	3668	0.20	PPBV		99
56) 1,2-DICHLOROPROPANE	4.837	63	3210	0.21	PPBV		97
57) DIBROMOMETHANE	4.792	174	3311	0.21	PPBV		94
58) ETHYL ACRYLATE	4.975	55	7267	0.22	PPBV		96
59) BROMODICHLOROMETHANE	5.004	83	5589	0.19	PPBV		92
60) 2,2,4-TRIMETHYLPENTANE	5.158	57	13895	0.21	PPBV		96
61) 1,4-DIOXANE	5.226	88	2954m	0.31	PPBV		
62) HEPTANE	5.470	43	5154	0.22	PPBV		97
63) METHYL METHACRYLATE	5.387	69	3544	0.25	PPBV		90
64) METHYL ISOBUTYL KETONE	6.171	58	4409	0.33	PPBV		96
65) CIS-1,3-DICHLOROPROPENE	5.991	75	4758	0.19	PPBV	#	81
66) TOLUENE	7.190	91	10267	0.22	PPBV		99
67) 1,3-DICHLOROPROPANE	7.252	76	4741	0.20	PPBV		98
68) TRANS-1,3-DICHLOROPROPENE	6.666	75	4218	0.18	PPBV		94
69) 1,1,2-TRICHLOROETHANE	6.817	83	2927	0.22	PPBV		95
70) 2-HEXANONE	7.850	58	8903	0.45	PPBV	#	94
71) ETHYL METHACRYLATE	7.920	69	5702	0.23	PPBV		95
72) TETRACHLOROETHENE	8.904	164	3981	0.21	PPBV		99
73) DIBROMOCHLOROMETHANE	7.721	129	5562	0.19	PPBV		99
74) 1,2-DIBROMOETHANE	8.055	107	5085	0.20	PPBV	#	97
75) OCTANE	9.052	43	7512	0.23	PPBV		96
77) 1,1,1,2-TETRACHLOROETHANE	10.123	131	4267	0.20	PPBV		97
78) CHLOROBENZENE	10.104	112	7768	0.20	PPBV		98
79) ETHYLBENZENE	10.991	91	13983	0.23	PPBV		95
80) M,P-XYLENE	11.425	91	20795	0.42	PPBV		96
81) O-XYLENE	12.341	91	10737	0.22	PPBV		94
82) STYRENE	12.142	104	7305	0.20	PPBV		100
83) NONANE	13.470	43	7304	0.22	PPBV		97
84) BROMOFORM	11.219	173	4859	0.19	PPBV		98
85) 1,1,2,2-TETRACHLOROETHANE	12.361	83	6988	0.21	PPBV		98
86) 1,2,3-TRICHLOROPROPANE	12.640	75	5385	0.20	PPBV	#	99
88) ISOPROPYLBENZENE	13.859	120	3932	0.20	PPBV		91
89) BROMOBENZENE	13.718	77	7079	0.20	PPBV		99
90) 2-CHLOROTOLUENE	14.853	126	3458	0.19	PPBV		99
91) N-PROPYLBENZENE	15.197	120	3814	0.19	PPBV		99
92) 4-ETHYLTOLUENE	15.640	105	14151	0.20	PPBV	#	98
93) 1,3,5-TRIMETHYLBENZENE	15.914	105	12096	0.20	PPBV		97
94) ALPHA-METHYLSTYRENE	16.216	118	5670	0.18	PPBV		99
95) TERT-BUTYLBENZENE	16.525	134	2992	0.21	PPBV		95
96) 1,2,4-TRIMETHYLBENZENE	16.534	105	12308	0.20	PPBV		99
97) BENZYL CHLORIDE	16.624	91	9192	0.16	PPBV		99
98) M-DICHLOROBENZENE	16.598	146	7938	0.19	PPBV		98
99) P-DICHLOROBENZENE	16.692	146	8082	0.20	PPBV		99
100) O-DICHLOROBENZENE	17.010	146	7837	0.20	PPBV		99
101) SEC-BUTYLBENZENE	16.836	134	3638	0.20	PPBV		98
102) 1,2,3-TRIMETHYLBENZENE	16.955	105	12052	0.20	PPBV		97
103) P-ISOPROPYLTOLUENE	17.033	134	4106	0.21	PPBV		98
104) N-BUTYLBENZENE	17.399	134	3733	0.19	PPBV		94
105) HEXACHLOROETHANE	17.573	117	4492	0.19	PPBV		97
106) HEXACHLOROBUTADIENE	18.634	225	5552	0.19	PPBV		100
107) 1,2,4-TRICHLOROBENZENE	18.322	180	5074	0.14	PPBV		96
108) NAPHTHALENE	18.370	128	9939	0.13	PPBV		98
110) TVHC as equiv Pentane	2.271	TIC	12241m	0.22	PPBV		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11235.D
Acq On : 28 Dec 2024 10:32 am
Operator : benk
Sample : ic405-0.20
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:49:48 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:28:20 2024
Response via : Initial Calibration

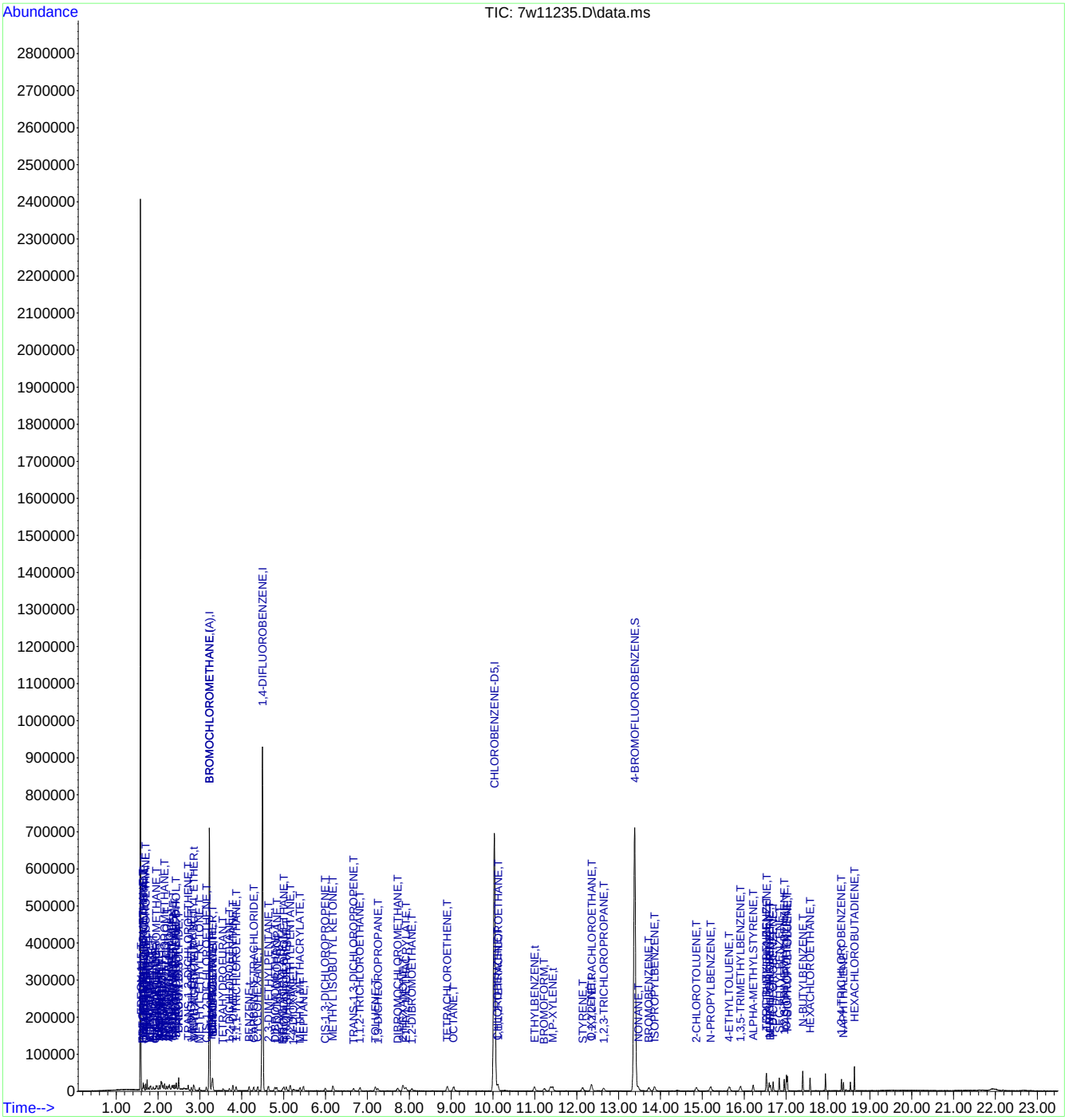
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11235.D
Acq On : 28 Dec 2024 10:32 am
Operator : benk
Sample : ic405-0.20
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:49:48 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:28:20 2024
Response via : Initial Calibration



Manual Integration Approval Summary

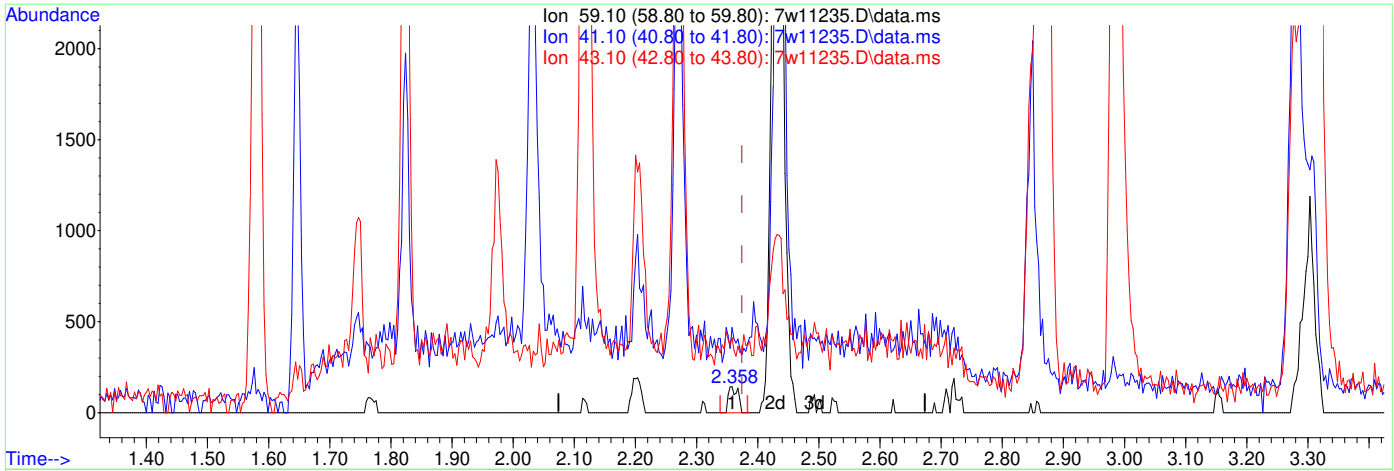
Sample Number: V7W405-IC405
Lab FileID: 7W11235.D
Injection Time: 12/28/24 10:32
Method: TO-15
Analyst approved: 12/30/24 00:11 Kanya Veerawat
Supervisor approved: 12/30/24 00:15 Kanya Veerawat

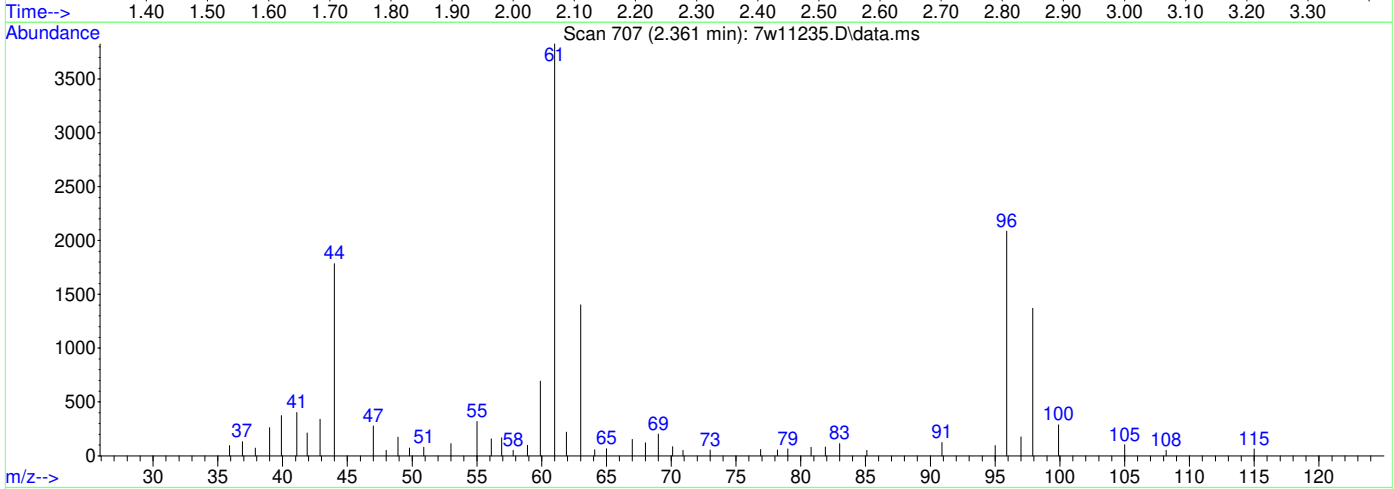
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethanol	64-17-5		1.98	Poor instrument integration
Acetonitrile	75-05-8		2.03	Poor instrument integration
Acetone (2-Propanone)	67-64-1		2.12	Poor instrument integration
TVHC As Equiv Pentane			2.27	Missed peak
Tertiary Butyl Alcohol	75-65-0		2.43	Missed peak
1,4-Dioxane	123-91-1		5.23	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11235.D
Acq On : 28 Dec 2024 10:32 am
Operator : benk
Sample : ic405-0.20
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:29:55 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:28:20 2024
Response via : Initial Calibration





TIC: 7w11235.D\data.ms

(35) TERTIARY BUTYL ALCOHOL (T)

2.358min (-0.016) 0.01PPBV

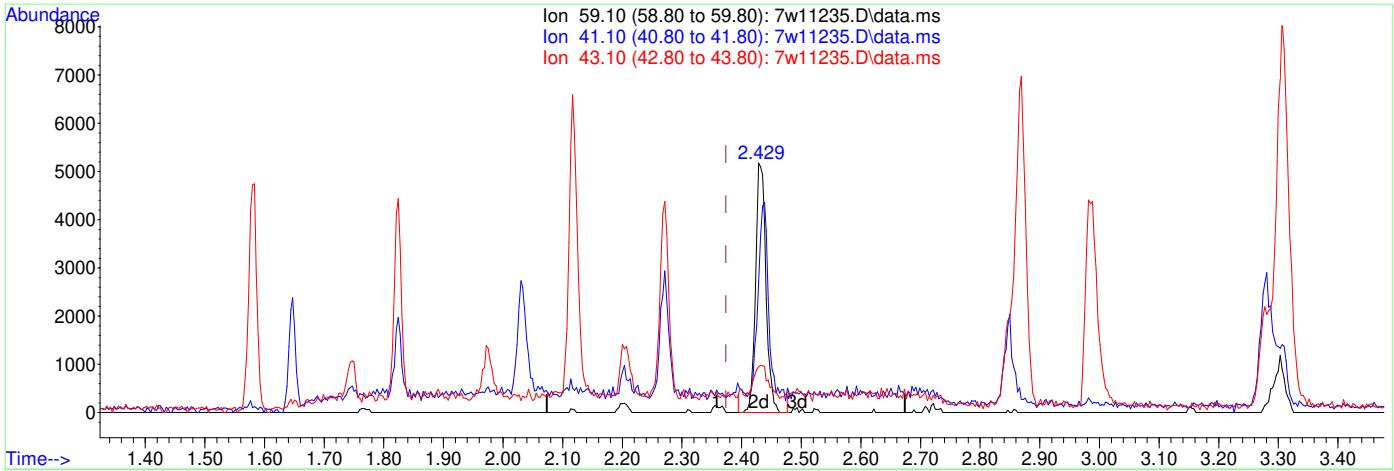
response 153

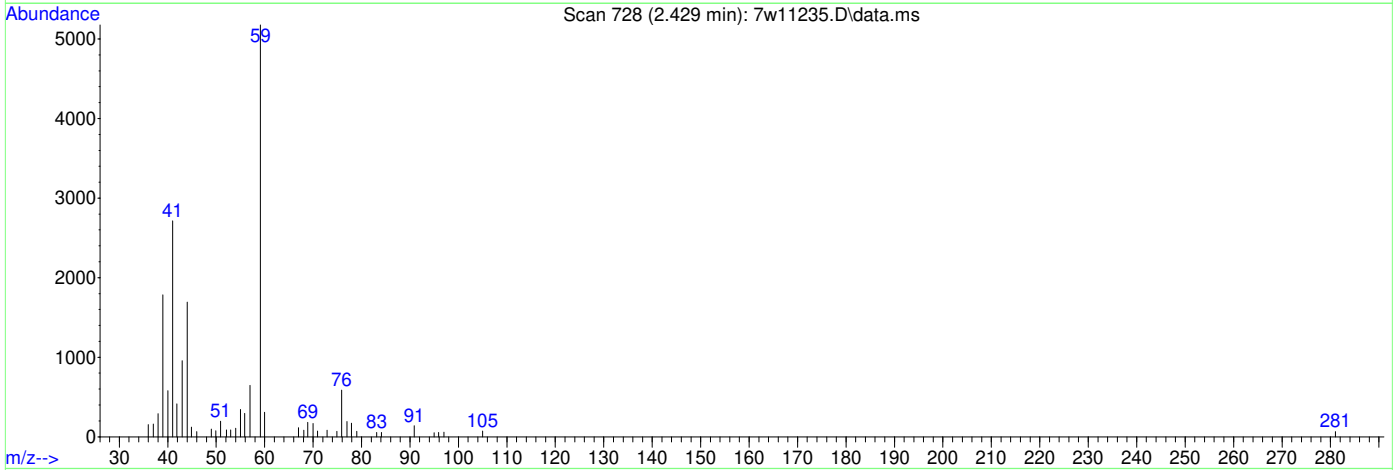
Ion	Exp%	Act%
59.10	100	100
41.10	20.40	87.58#
43.10	14.20	81.70#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11235.D
Acq On : 28 Dec 2024 10:32 am
Operator : benk
Sample : ic405-0.20
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:29:55 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:28:20 2024
Response via : Initial Calibration





TIC: 7w11235.D\data.ms

(35) TERTIARY BUTYL ALCOHOL (T)

2.429min (+0.055) 0.22PPBV m

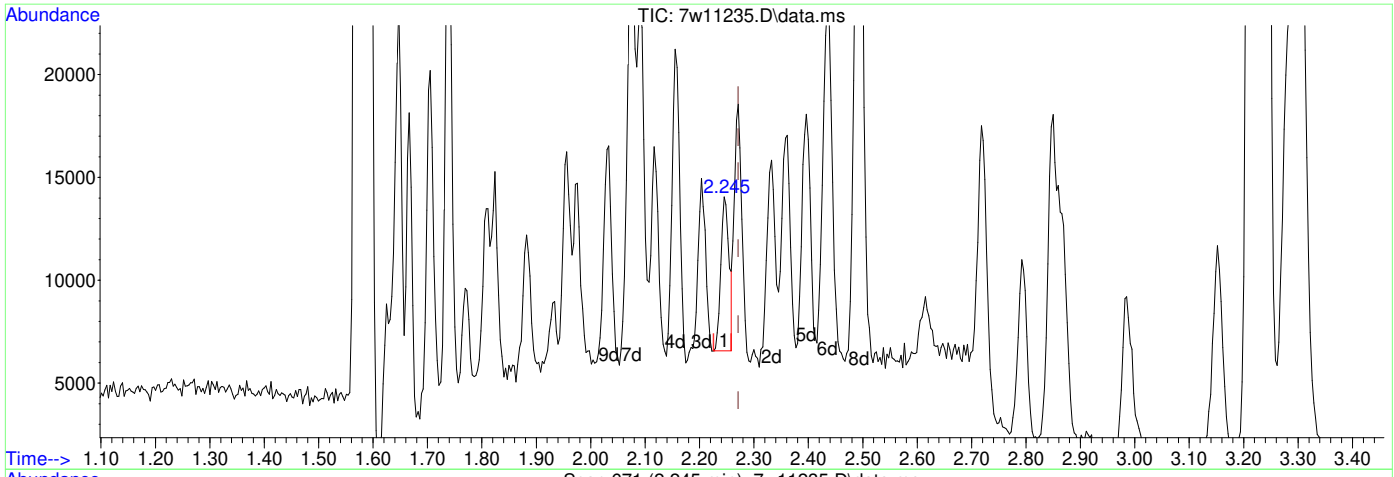
response 6213

Ion	Exp%	Act%
59.10	100	100
41.10	20.40	2.16#
43.10	14.20	2.01#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11235.D
Acq On : 28 Dec 2024 10:32 am
Operator : benk
Sample : ic405-0.20
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:29:55 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:28:20 2024
Response via : Initial Calibration



TIC: 7w11235.D\data.ms

(110) TVHC as equiv Pentane

2.245min (-0.026) 0.14PPBV

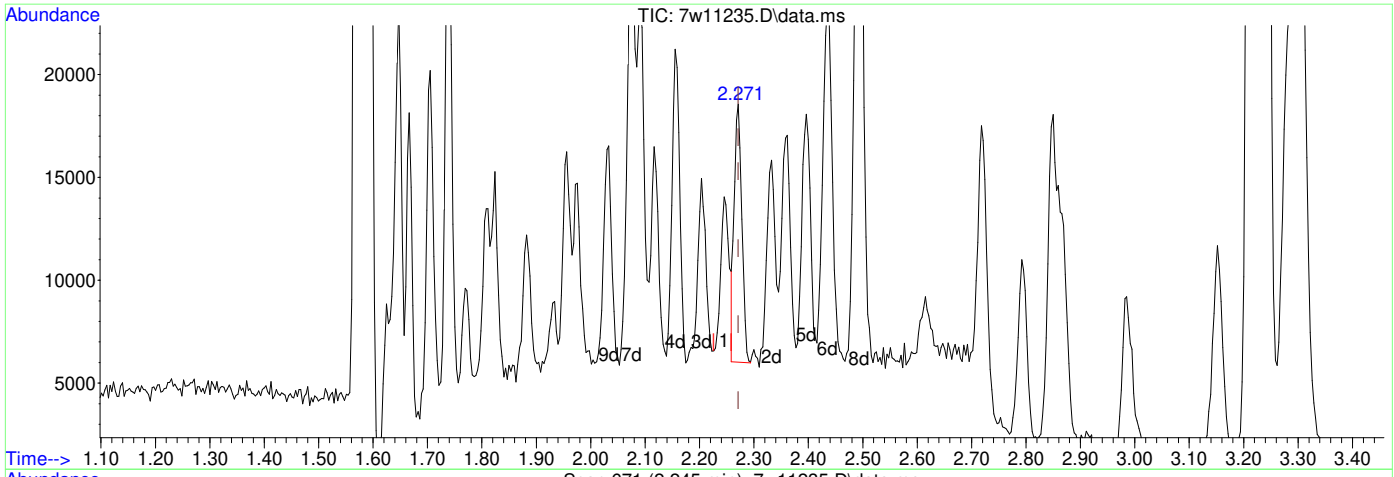
response 7940

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11235.D
Acq On : 28 Dec 2024 10:32 am
Operator : benk
Sample : ic405-0.20
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:29:55 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:28:20 2024
Response via : Initial Calibration



TIC: 7w11235.D\data.ms

(110) TVHC as equiv Pentane

2.271min (+0.000) 0.22PPBV m

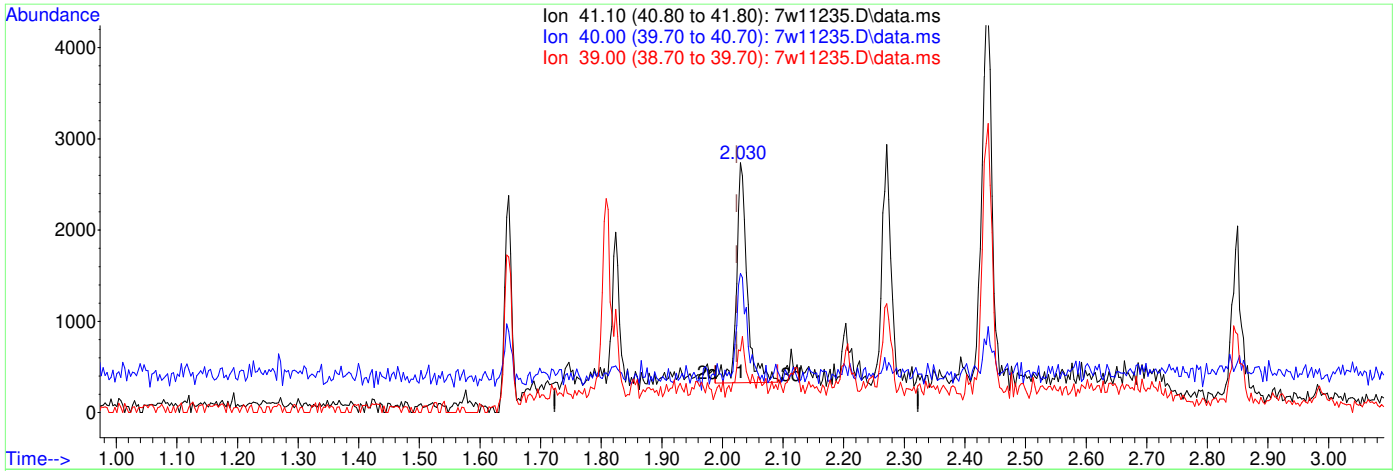
response 12241

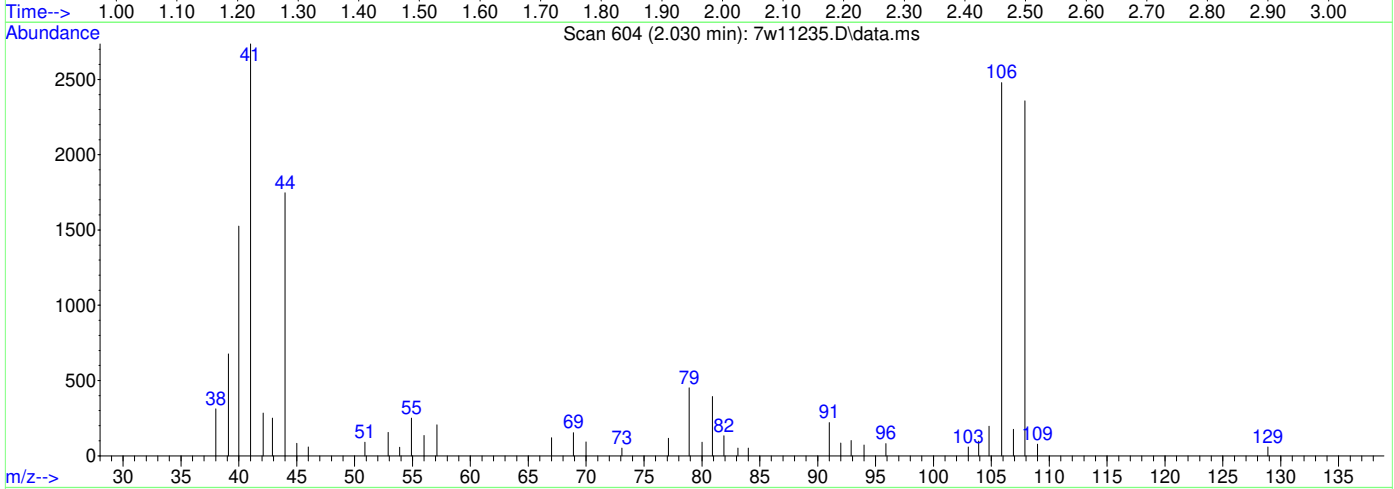
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11235.D
Acq On : 28 Dec 2024 10:32 am
Operator : benk
Sample : ic405-0.20
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:32:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:28:20 2024
Response via : Initial Calibration





TIC: 7w11235.D\data.ms

(17) ACETONITRILE (T)

2.030min (+0.007) 0.30PPBV

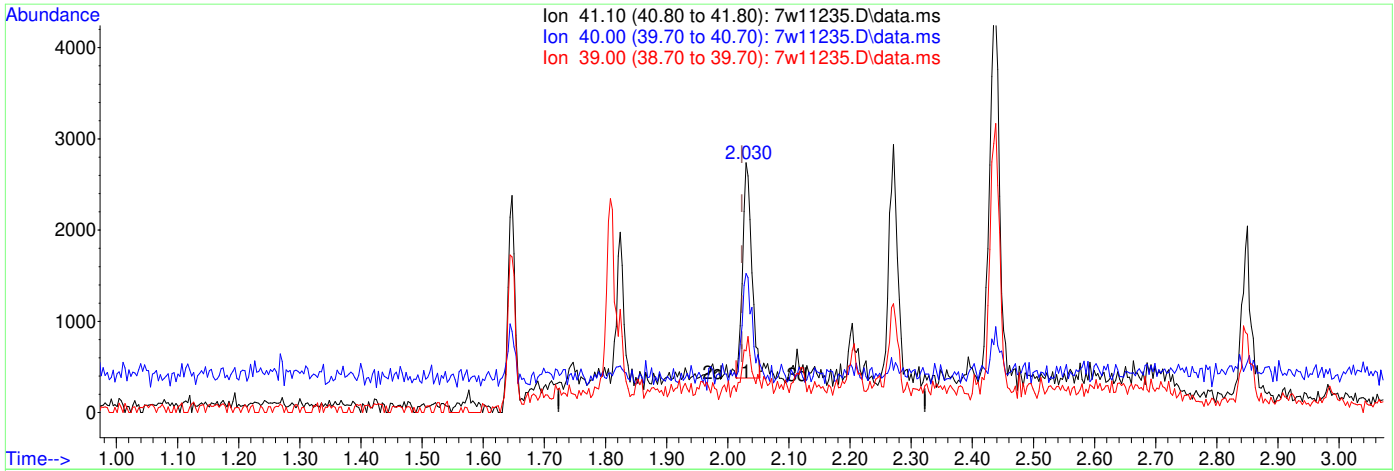
response 2967

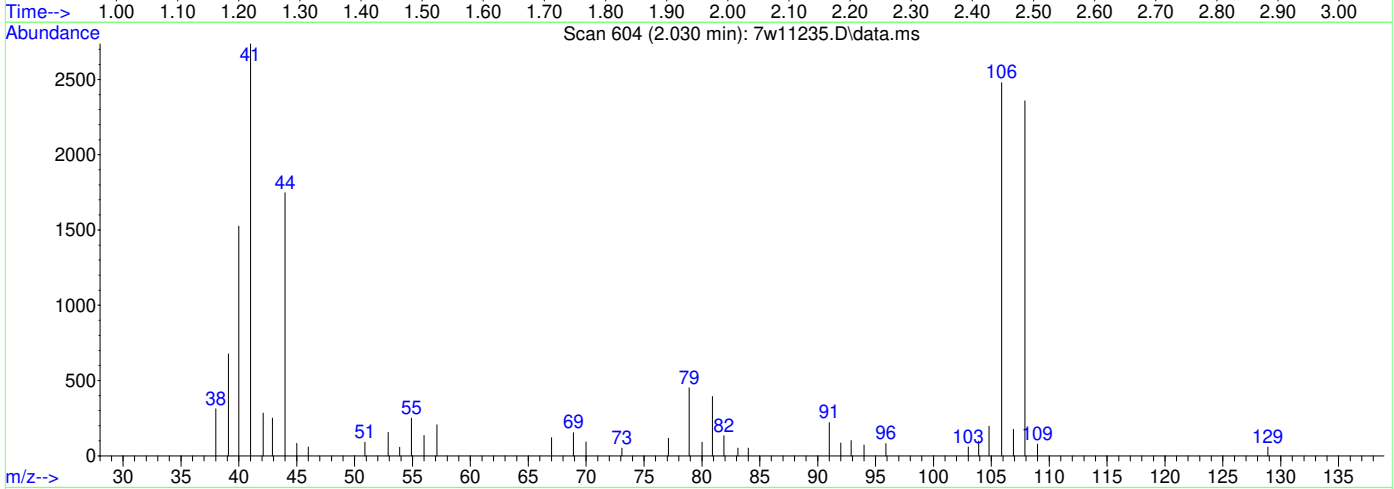
Ion	Exp%	Act%
41.10	100	100
40.00	54.20	51.53
39.00	19.70	22.01
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11235.D
Acq On : 28 Dec 2024 10:32 am
Operator : benk
Sample : ic405-0.20
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:32:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:28:20 2024
Response via : Initial Calibration





TIC: 7w11235.D\data.ms

(17) ACETONITRILE (T)

2.030min (+0.007) 0.24PPBV m

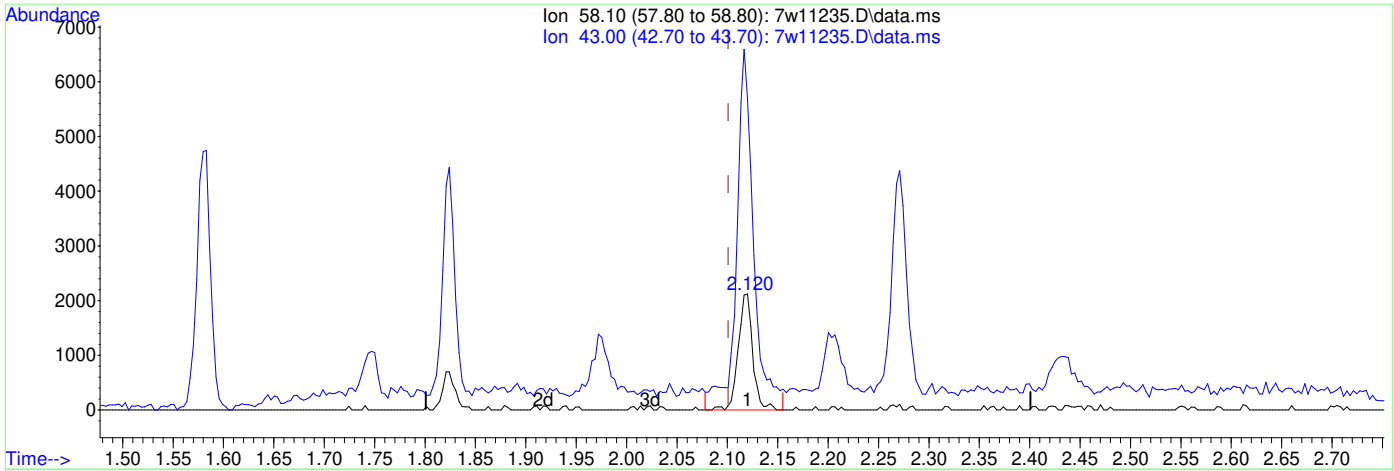
response 2440

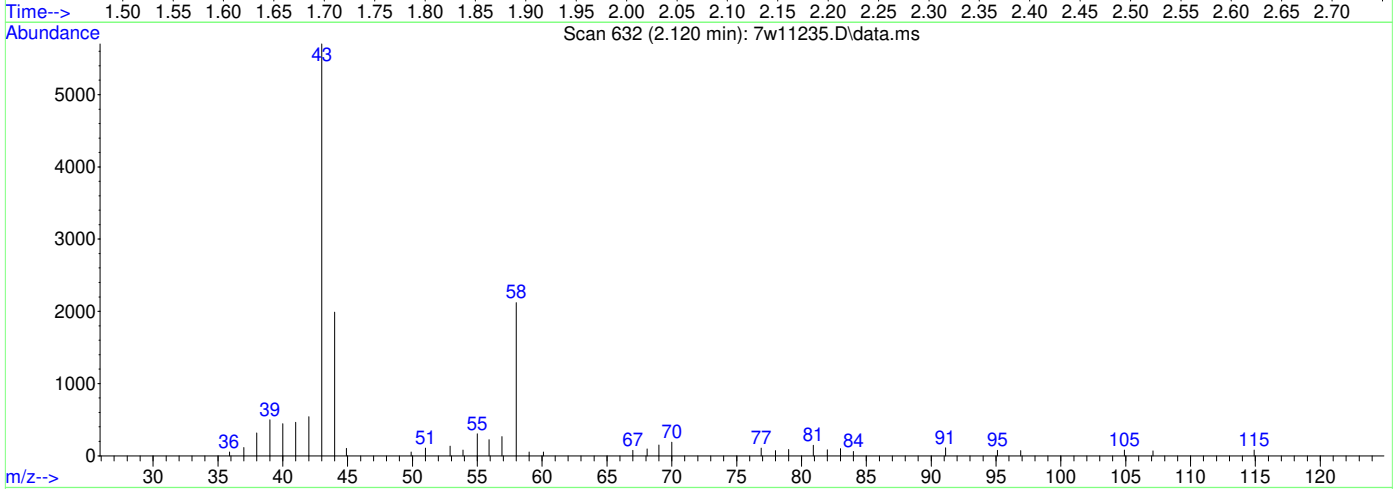
Ion	Exp%	Act%
41.10	100	100
40.00	54.20	62.66
39.00	19.70	26.76#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11235.D
Acq On : 28 Dec 2024 10:32 am
Operator : benk
Sample : ic405-0.20
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:32:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:28:20 2024
Response via : Initial Calibration





TIC: 7w11235.D\data.ms

(23) ACETONE (T)

2.120min (+0.019) 0.34PPBV

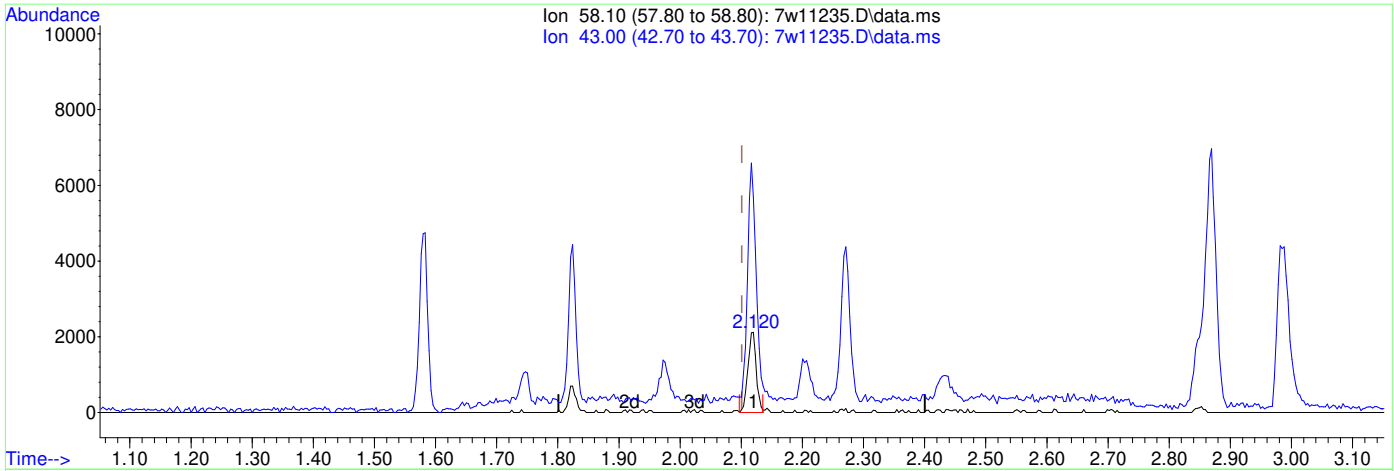
response 2106

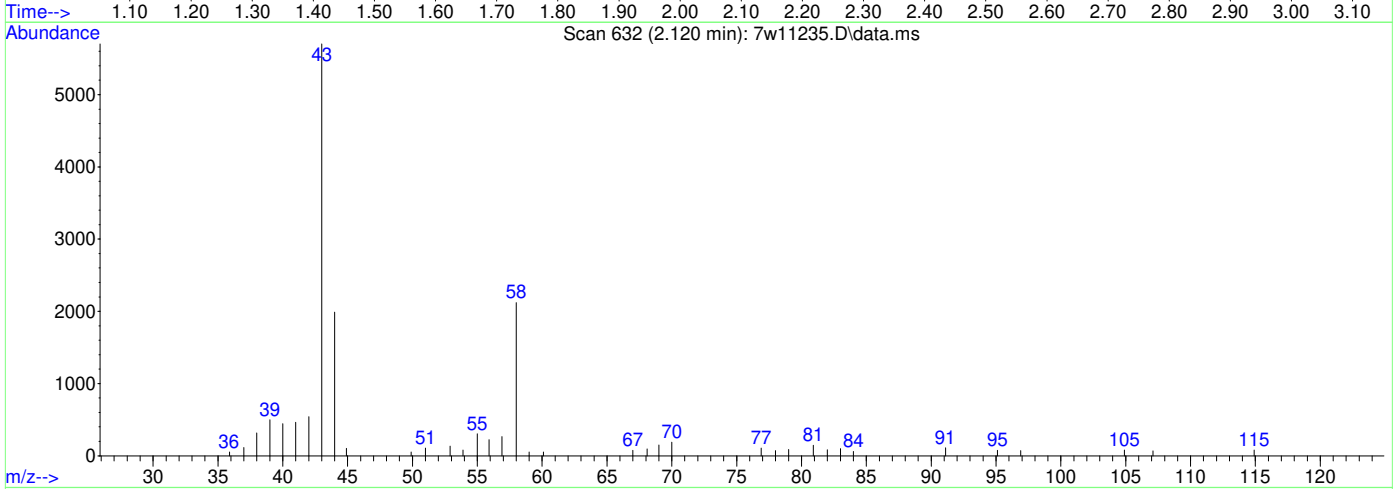
Ion	Exp%	Act%
58.10	100	100
43.00	334.80	308.07
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11235.D
Acq On : 28 Dec 2024 10:32 am
Operator : benk
Sample : ic405-0.20
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:32:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:28:20 2024
Response via : Initial Calibration





TIC: 7w11235.D\data.ms

(23) ACETONE (T)

2.120min (+0.019) 0.33PPBV m

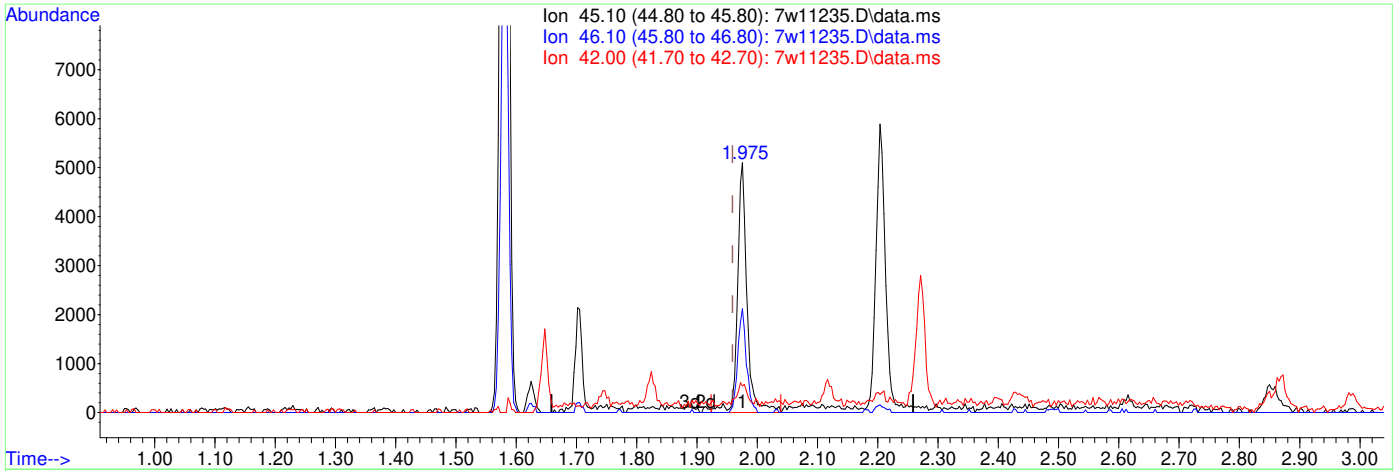
response 2022

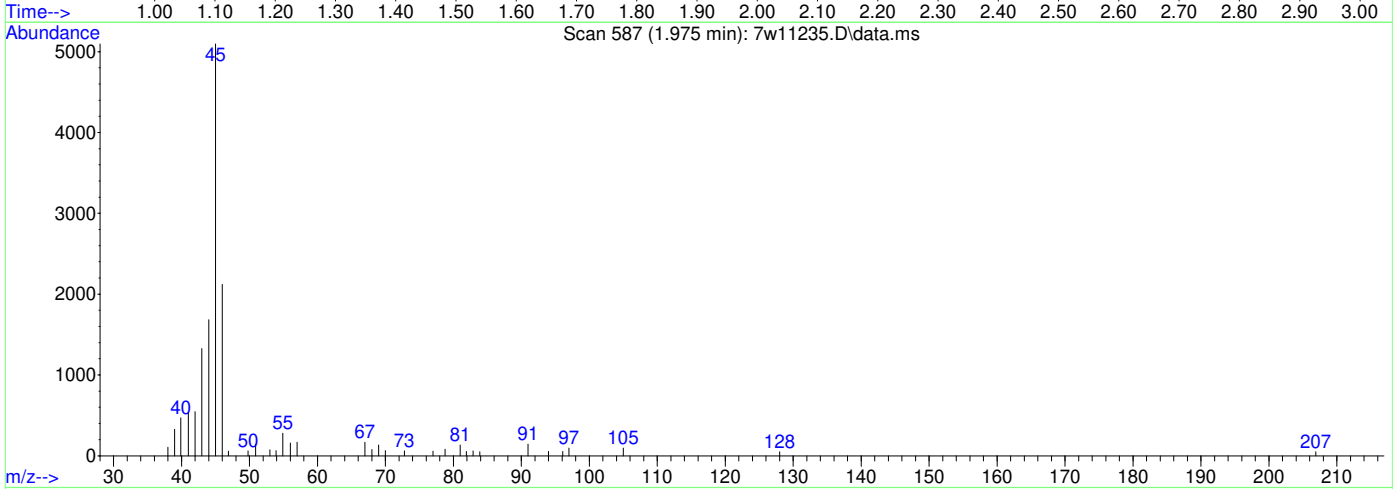
Ion	Exp%	Act%
58.10	100	100
43.00	334.80	320.87
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11235.D
Acq On : 28 Dec 2024 10:32 am
Operator : benk
Sample : ic405-0.20
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:32:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:28:20 2024
Response via : Initial Calibration





TIC: 7w11235.D\data.ms

(28) ETHANOL (T)

1.975min (+0.016) 0.80PPBV

response 5504

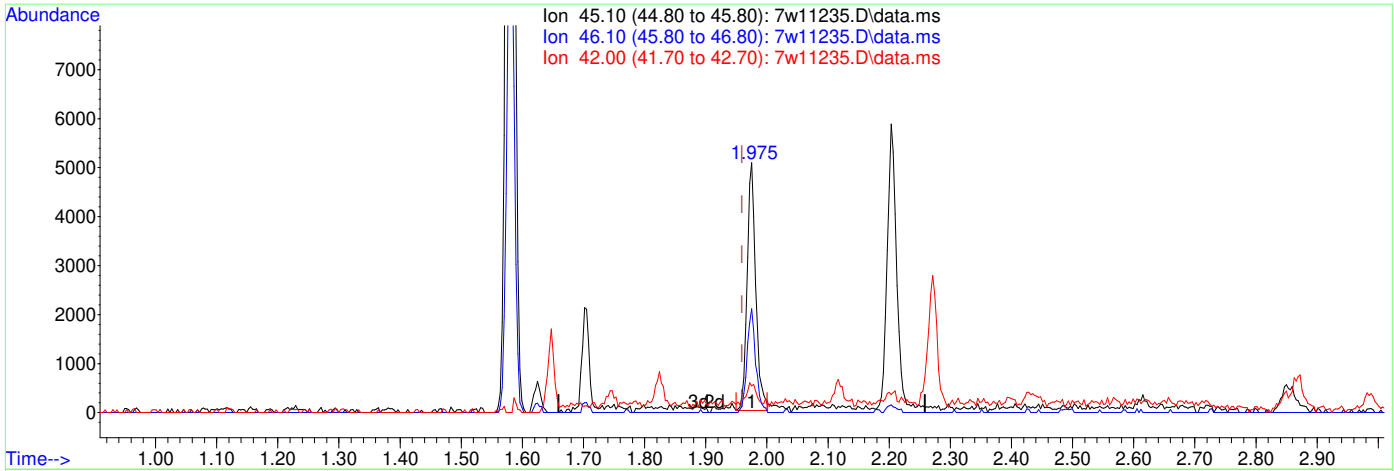
Ion	Exp%	Act%
45.10	100	100
46.10	40.80	37.95
42.00	9.00	11.10
0.00	0.00	0.00

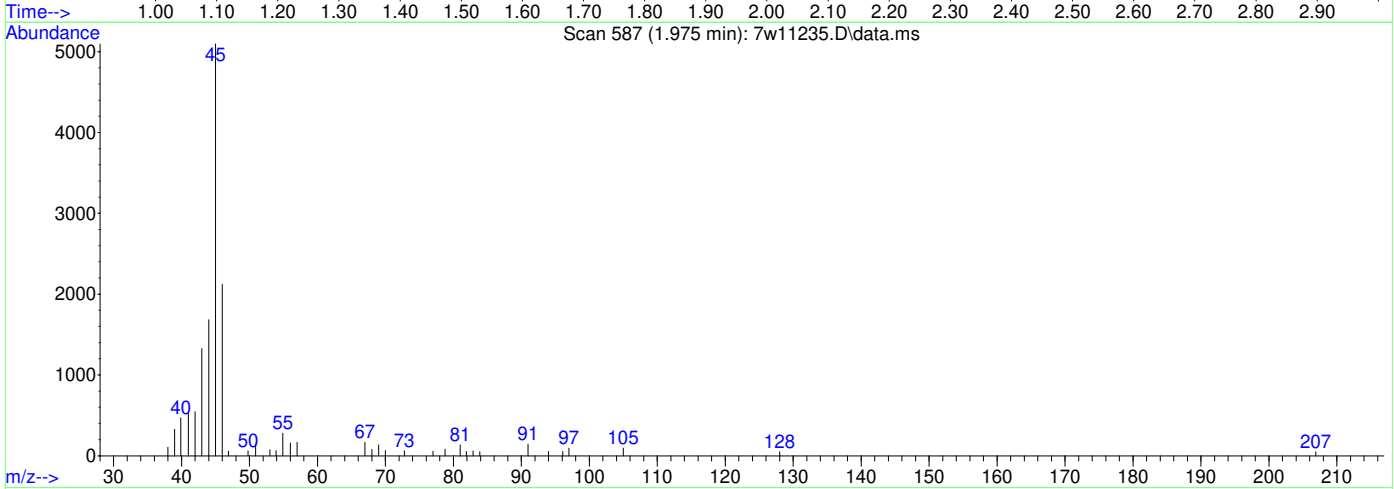
7W11235.D edits: ETHANOL

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11235.D
Acq On : 28 Dec 2024 10:32 am
Operator : benk
Sample : ic405-0.20
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:32:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:28:20 2024
Response via : Initial Calibration





TIC: 7w11235.D\data.ms

(28) ETHANOL (T)

1.975min (+0.016) 0.72PPBV m

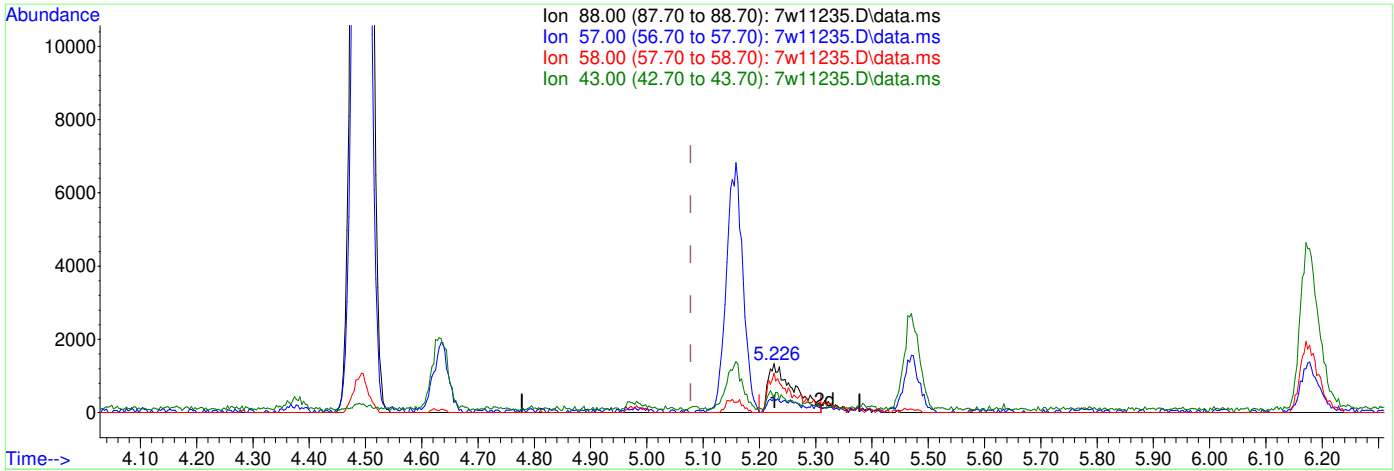
response 4943

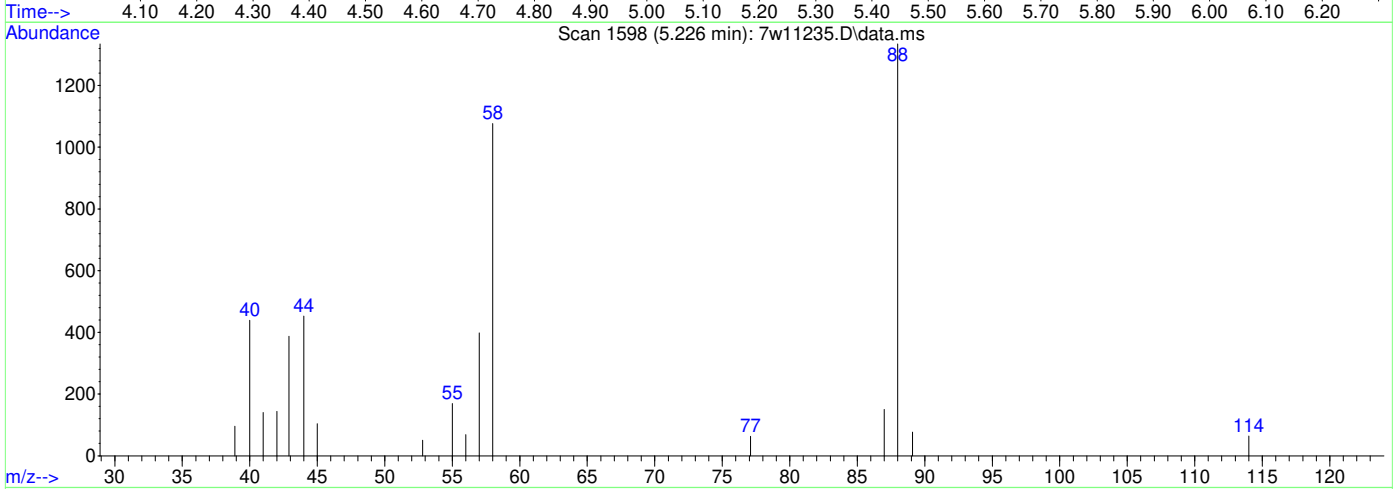
Ion	Exp%	Act%
45.10	100	100
46.10	40.80	42.26
42.00	9.00	12.36#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11235.D
Acq On : 28 Dec 2024 10:32 am
Operator : benk
Sample : ic405-0.20
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:32:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:28:20 2024
Response via : Initial Calibration





TIC: 7w11235.D\data.ms

(61) 1,4-DIOXANE (T)

5.226min (+0.148) 0.43PPBV

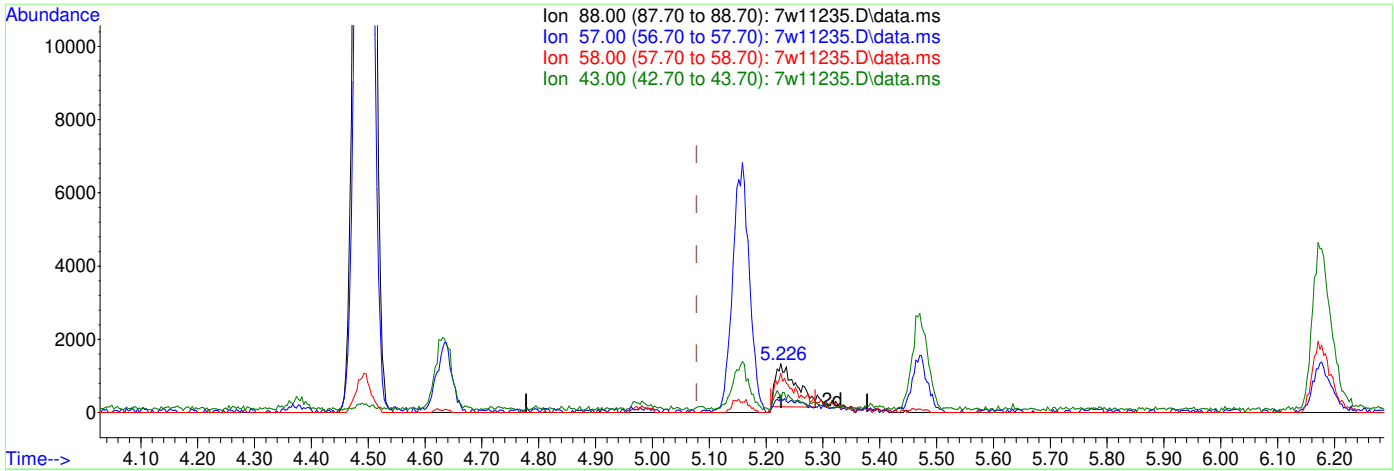
response 4150

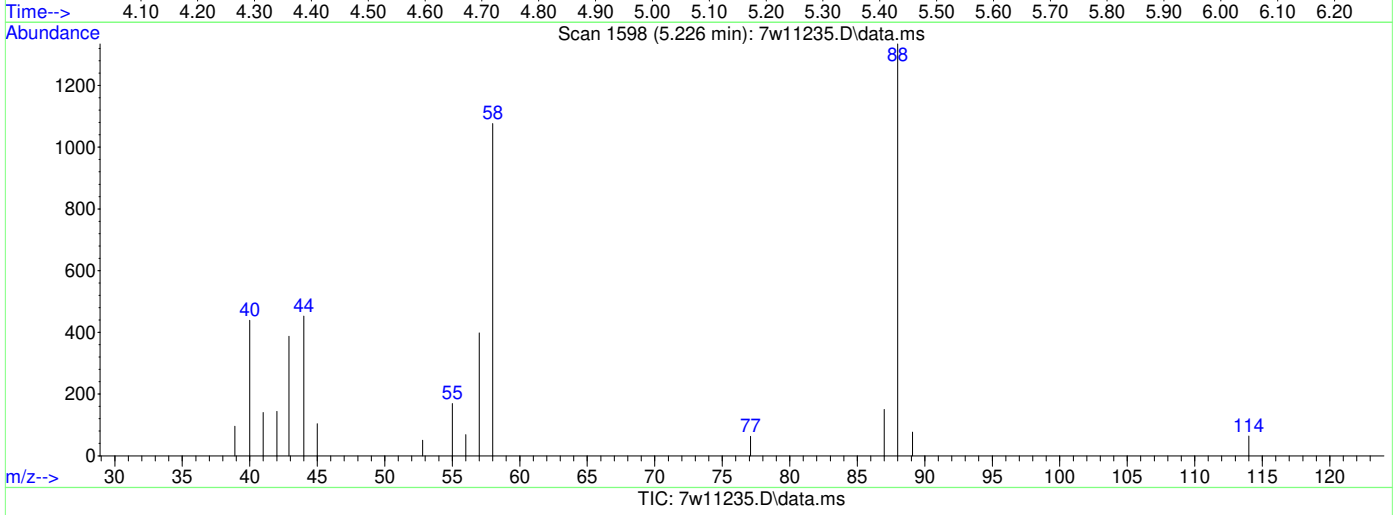
Ion	Exp%	Act%
88.00	100	100
57.00	21.40	33.30#
58.00	71.40	76.77
43.00	28.80	37.20

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11235.D
Acq On : 28 Dec 2024 10:32 am
Operator : benk
Sample : ic405-0.20
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:32:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:28:20 2024
Response via : Initial Calibration





TIC: 7w11235.D\data.ms

(61) 1,4-DIOXANE (T)

5.226min (+0.148) 0.31PPBV m

response 2954

Ion	Exp%	Act%
88.00	100	100
57.00	21.40	46.78#
58.00	71.40	107.85#
43.00	28.80	52.27#

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 12/30/24 00:15

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11237.D
Acq On : 28 Dec 2024 11:51 am
Operator : benk
Sample : ic405-0.50
Misc : MS74014,v7w405,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 29 05:20:53 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:06:59 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.226	128	130126	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.493	114	661732	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.030	117	600657	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.226	128	130126	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.380	95	428848	9.74	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.596	119	7461	0.80	PPBV		97
3) FREON 152A	1.628	65	3457	0.54	PPBV		98
4) CHLORODIFLUOROMETHANE	1.641	67	1753	0.56	PPBV		93
5) CHLOROTRIFLUOROETHENE	1.650	116	8201	0.53	PPBV		98
6) DICHLORODIFLUOROMETHANE	1.667	85	17786	0.54	PPBV		99
7) PROPYLENE	1.647	41	4729	0.61	PPBV		96
8) 1-CHLORO-1,1-DIFLUOROE...	1.705	65	13030	0.55	PPBV		97
9) FREON 114	1.737	85	14652	0.56	PPBV		100
10) CHLOROMETHANE	1.708	52	1636	0.53	PPBV		89
11) VINYL CHLORIDE	1.769	62	5781	0.52	PPBV		99
12) 1,3-BUTADIENE	1.808	54	4670	0.56	PPBV		85
13) N-BUTANE	1.824	43	9329	0.60	PPBV	#	93
14) BROMOMETHANE	1.885	94	5284	0.56	PPBV		98
15) CHLOROETHANE	1.933	64	3113	0.55	PPBV		95
16) DICHLOROFLUOROMETHANE	1.956	67	12553	0.55	PPBV		97
17) ACETONITRILE	2.027	41	5180	0.55	PPBV		98
18) ACROLEIN	2.065	56	2982	0.60	PPBV		92
19) FREON 123	2.075	83	13106	0.55	PPBV		98
20) FREON 123A	2.094	117	8580	0.57	PPBV		98
21) TRICHLOROFLUOROMETHANE	2.155	101	15558	0.54	PPBV		94
22) ISOPROPYL ALCOHOL	2.184	45	12758	0.57	PPBV		94
23) ACETONE	2.107	58	3383	0.59	PPBV		95
24) PENTANE	2.271	42	6568	0.59	PPBV		99
25) IODOMETHANE	2.332	142	15154	0.57	PPBV		100
26) 1,1-DICHLOROETHYLENE	2.358	96	6019	0.58	PPBV		93
27) CARBON DISULFIDE	2.493	76	15735	0.55	PPBV	#	87
28) ETHANOL	1.962	45	4727m	0.78	PPBV		
29) BROMOETHENE	2.030	106	5411	0.54	PPBV	#	93
30) ACRYLONITRILE	2.242	52	4847	0.63	PPBV		94
31) METHYLENE CHLORIDE	2.396	84	6063m	0.66	PPBV		
32) 3-CHLOROPROPENE	2.438	76	2853	0.54	PPBV		99
33) FREON 113	2.490	151	9324	0.54	PPBV		97
34) TRANS-1,2-DICHLOROETHENE	2.718	96	6105	0.55	PPBV		97
35) TERTIARY BUTYL ALCOHOL	2.396	59	14539	0.54	PPBV		92
36) METHYL TERTIARY BUTYL ...	2.830	73	18535	0.56	PPBV	#	94
37) TETRAHYDROFURAN	3.525	72	2976	0.54	PPBV		93
38) HEXANE	3.277	57	11414	0.57	PPBV		98
39) VINYL ACETATE	2.863	86	1803	0.56	PPBV		90
40) 1,1-DICHLOROETHANE	2.792	63	11928	0.56	PPBV		100
41) METHYL ETHYL KETONE	2.965	72	3166	0.55	PPBV		95
42) CIS-1,2-DICHLOROETHENE	3.152	96	6909	0.57	PPBV		96
43) DIISOPROPYL ETHER	3.284	59	3289	0.57	PPBV		96
44) ETHYL ACETATE	3.290	61	2317	0.56	PPBV		96
45) METHYL ACRYLATE	3.277	55	13660	0.56	PPBV	#	99
46) CHLOROFORM	3.297	83	13724	0.58	PPBV		98
47) 2,4-DIMETHYLPENTANE	3.785	57	12969	0.56	PPBV		97
48) 1,1,1-TRICHLOROETHANE	3.863	97	14399	0.56	PPBV		99
49) CARBON TETRACHLORIDE	4.284	117	13974	0.50	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11237.D
Acq On : 28 Dec 2024 11:51 am
Operator : benk
Sample : ic405-0.50
Misc : MS74014,v7w405,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 29 05:20:53 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:06:59 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	3.702	62	10257	0.56	PPBV		99
51)	BENZENE	4.171	78	19367	0.57	PPBV		99
53)	CYCLOHEXANE	4.374	84	8799	0.56	PPBV		96
54)	2,3-DIMETHYLPENTANE	4.634	71	4644	0.58	PPBV		97
55)	TRICHLOROETHENE	5.059	95	9453	0.55	PPBV		95
56)	1,2-DICHLOROPROPANE	4.827	63	7706	0.53	PPBV		99
57)	DIBROMOMETHANE	4.792	174	8465	0.57	PPBV		98
58)	ETHYL ACRYLATE	4.956	55	16033	0.50	PPBV		96
59)	BROMODICHLOROMETHANE	5.007	83	14110	0.50	PPBV		95
60)	2,2,4-TRIMETHYLPENTANE	5.152	57	35677	0.56	PPBV		100
61)	1,4-DIOXANE	5.139	88	4905	0.53	PPBV	#	1
62)	HEPTANE	5.467	43	13181	0.59	PPBV		96
63)	METHYL METHACRYLATE	5.371	69	7721	0.56	PPBV		98
64)	METHYL ISOBUTYL KETONE	6.116	58	6846	0.53	PPBV		94
65)	CIS-1,3-DICHLOROPROPENE	5.988	75	12166	0.51	PPBV		96
66)	TOLUENE	7.184	91	24314	0.53	PPBV		99
67)	1,3-DICHLOROPROPANE	7.245	76	11960	0.53	PPBV		99
68)	TRANS-1,3-DICHLOROPROPENE	6.663	75	10484	0.46	PPBV		92
69)	1,1,2-TRICHLOROETHANE	6.817	83	7092	0.54	PPBV		98
70)	2-HEXANONE	7.788	58	9642	0.50	PPBV		98
71)	ETHYL METHACRYLATE	7.898	69	12529	0.51	PPBV		99
72)	TETRACHLOROETHENE	8.904	164	9969	0.56	PPBV		99
73)	DIBROMOCHLOROMETHANE	7.721	129	14205	0.49	PPBV		98
74)	1,2-DIBROMOETHANE	8.055	107	13114	0.53	PPBV		99
75)	OCTANE	9.055	43	17337	0.55	PPBV		98
77)	1,1,1,2-TETRACHLOROETHANE	10.113	131	10660	0.53	PPBV		97
78)	CHLOROBENZENE	10.103	112	19943	0.55	PPBV		99
79)	ETHYLBENZENE	10.988	91	32514	0.56	PPBV		100
80)	M,P-XYLENE	11.409	91	51003	1.10	PPBV		94
81)	O-XYLENE	12.341	91	25344	0.55	PPBV		99
82)	STYRENE	12.136	104	18328	0.51	PPBV		99
83)	NONANE	13.470	43	17721	0.55	PPBV		98
84)	BROMOFORM	11.219	173	12250	0.49	PPBV		100
85)	1,1,2,2-TETRACHLOROETHANE	12.351	83	17300	0.54	PPBV		99
86)	1,2,3-TRICHLOROPROPANE	12.640	75	13495	0.52	PPBV	#	99
88)	ISOPROPYLBENZENE	13.849	120	9703	0.52	PPBV		97
89)	BROMOBENZENE	13.714	77	17543	0.51	PPBV		97
90)	2-CHLOROTOLUENE	14.849	126	8301	0.48	PPBV		99
91)	N-PROPYLBENZENE	15.190	120	9518	0.49	PPBV		99
92)	4-ETHYLTOLUENE	15.640	105	34399	0.50	PPBV	#	99
93)	1,3,5-TRIMETHYLBENZENE	15.914	105	29336	0.51	PPBV		98
94)	ALPHA-METHYLSTYRENE	16.209	118	13890	0.46	PPBV		98
95)	TERT-BUTYLBENZENE	16.524	134	7147	0.52	PPBV		99
96)	1,2,4-TRIMETHYLBENZENE	16.534	105	29945	0.52	PPBV		100
97)	BENZYL CHLORIDE	16.624	91	22336	0.41	PPBV		98
98)	M-DICHLOROBENZENE	16.595	146	19313	0.48	PPBV		99
99)	P-DICHLOROBENZENE	16.688	146	19478	0.50	PPBV		100
100)	O-DICHLOROBENZENE	17.007	146	18748	0.51	PPBV		99
101)	SEC-BUTYLBENZENE	16.836	134	8964	0.52	PPBV		99
102)	1,2,3-TRIMETHYLBENZENE	16.952	105	29312	0.51	PPBV		100
103)	P-ISOPROPYLTOLUENE	17.029	134	9615	0.50	PPBV		95
104)	N-BUTYLBENZENE	17.393	134	9503	0.50	PPBV		99
105)	HEXACHLOROETHANE	17.573	117	10657	0.46	PPBV		98
106)	HEXACHLOROBUTADIENE	18.630	225	13635	0.48	PPBV		99
107)	1,2,4-TRICHLOROBENZENE	18.322	180	13109	0.36	PPBV		98
108)	NAPHTHALENE	18.367	128	25591	0.32	PPBV		100
110)	TVHC as equiv Pentane	2.271	TIC	31378m	0.58	PPBV		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11237.D
Acq On : 28 Dec 2024 11:51 am
Operator : benk
Sample : ic405-0.50
Misc : MS74014,v7w405,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 29 05:20:53 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:06:59 2024
Response via : Initial Calibration

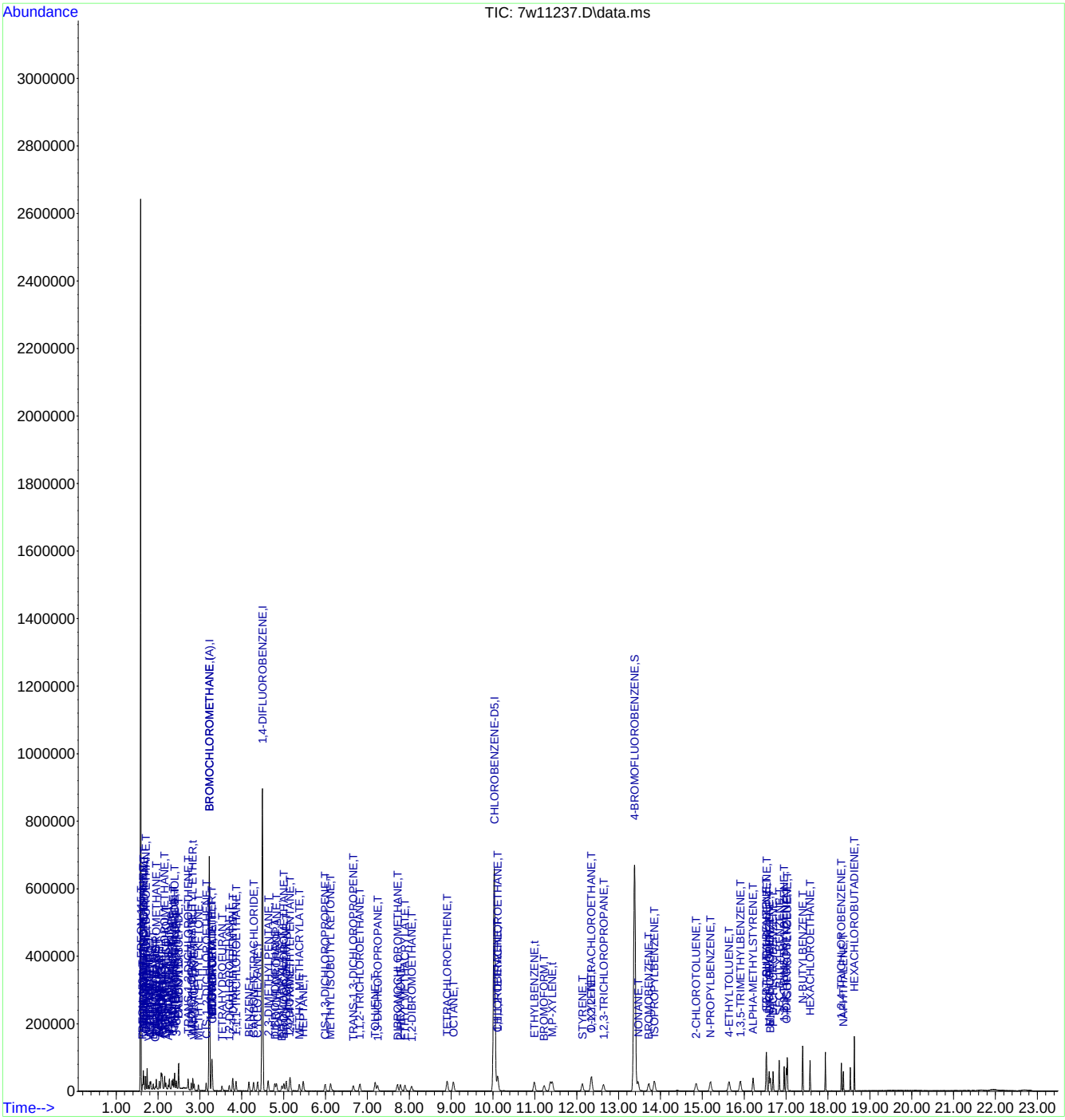
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11237.D
Acq On : 28 Dec 2024 11:51 am
Operator : benk
Sample : ic405-0.50
Misc : MS74014,v7w405,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 29 05:20:53 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:06:59 2024
Response via : Initial Calibration



Manual Integration Approval Summary

Sample Number: V7W405-IC405
Lab FileID: 7W11237.D
Injection Time: 12/28/24 11:51

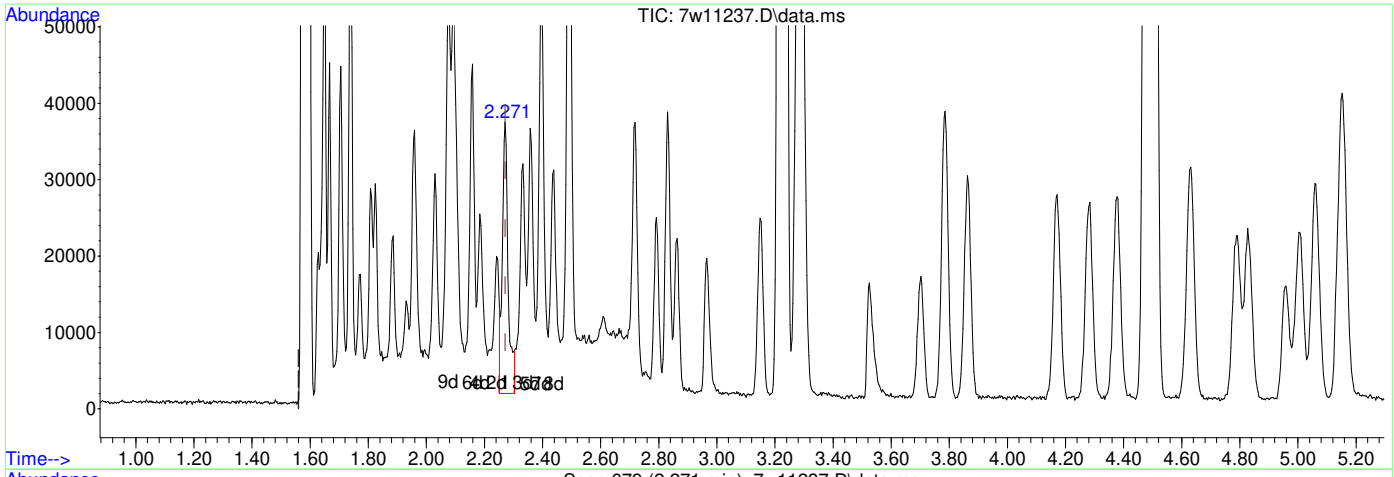
Method: TO-15
Analyst approved: 12/30/24 00:11 Kanya Veerawat
Supervisor approved: 12/30/24 00:15 Kanya Veerawat

Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethanol	64-17-5		1.96	Poor instrument integration
TVHC As Equiv Pentane			2.27	Poor instrument integration
Methylene chloride	75-09-2		2.40	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11237.D
Acq On : 28 Dec 2024 11:51 am
Operator : benk
Sample : ic405-0.50
Misc : MS74014,v7w405,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 29 05:09:53 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:06:59 2024
Response via : Initial Calibration



TIC: 7w11237.D\data.ms

(110) TVHC as equiv Pentane

2.271min (-0.000) 0.90PPBV

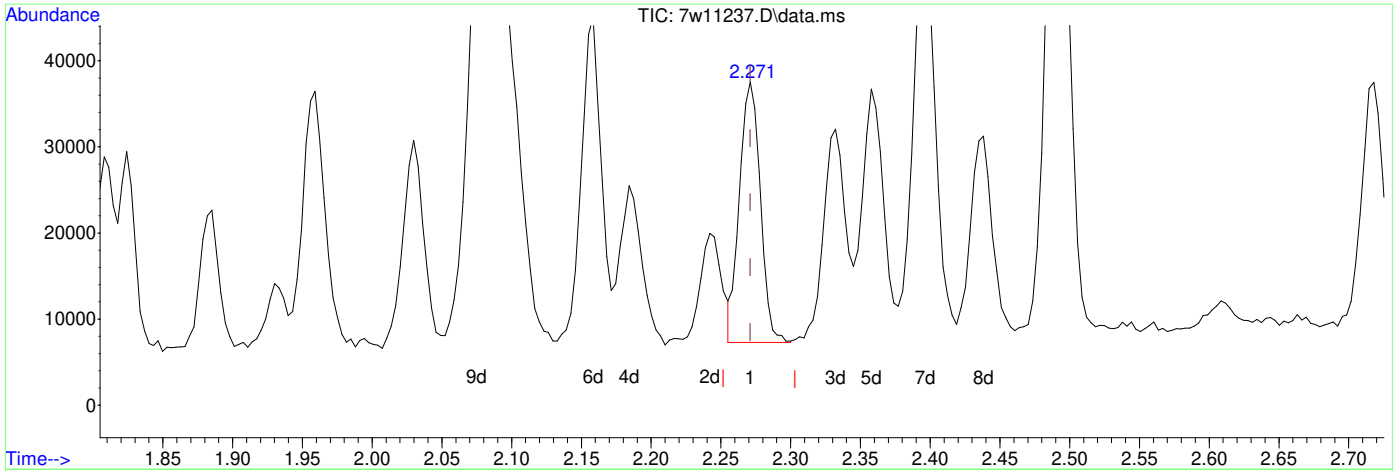
response 48575

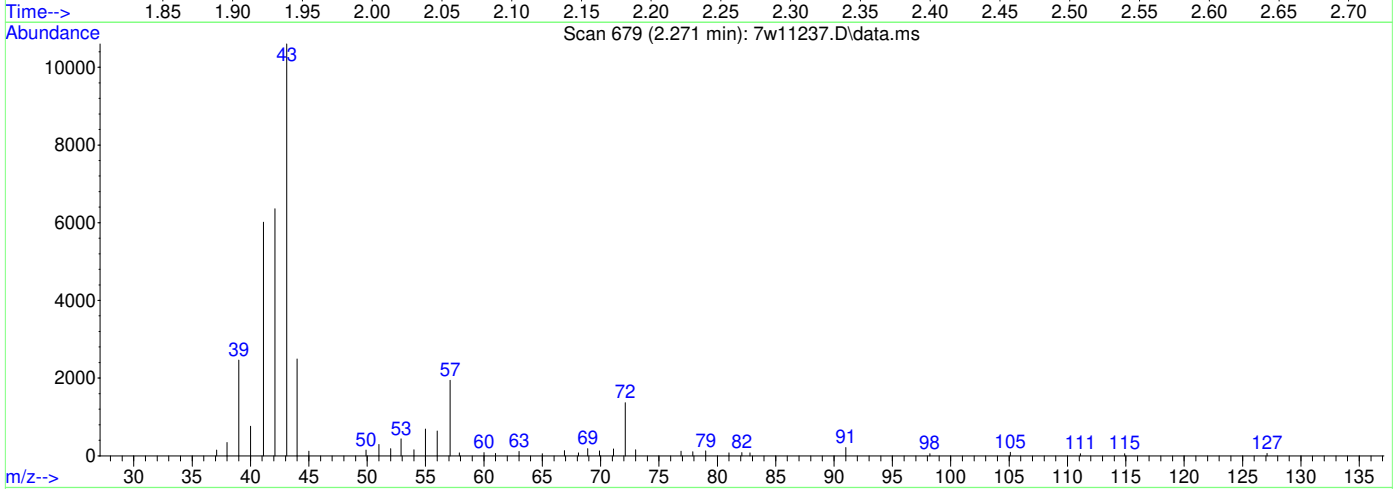
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11237.D
Acq On : 28 Dec 2024 11:51 am
Operator : benk
Sample : ic405-0.50
Misc : MS74014,v7w405,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 29 05:09:53 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:06:59 2024
Response via : Initial Calibration





TIC: 7w11237.D\data.ms

(110) TVHC as equiv Pentane

2.271min (-0.000) 0.58PPBV m

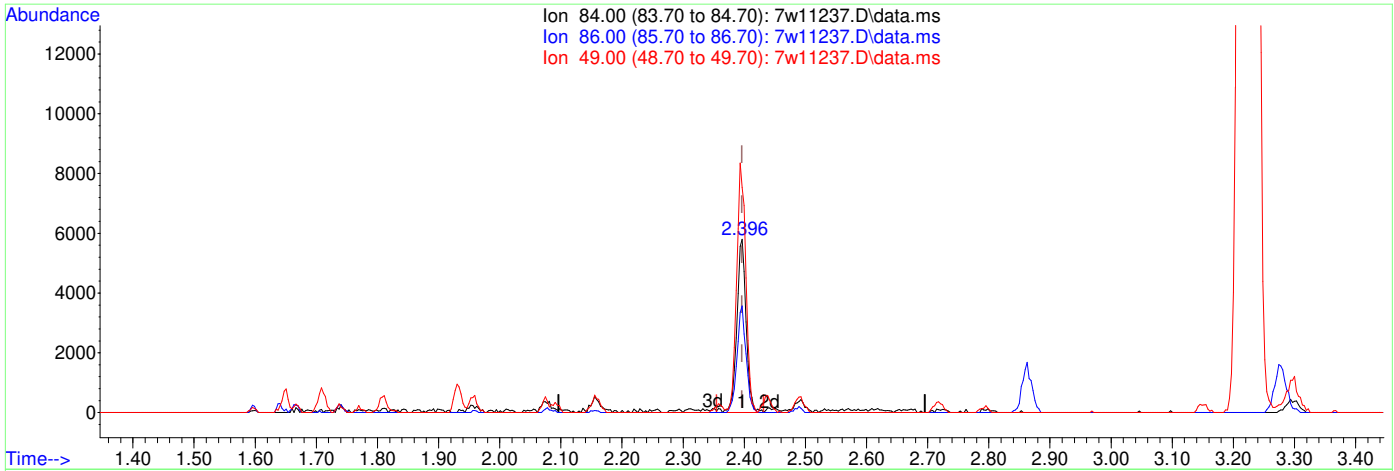
response 31378

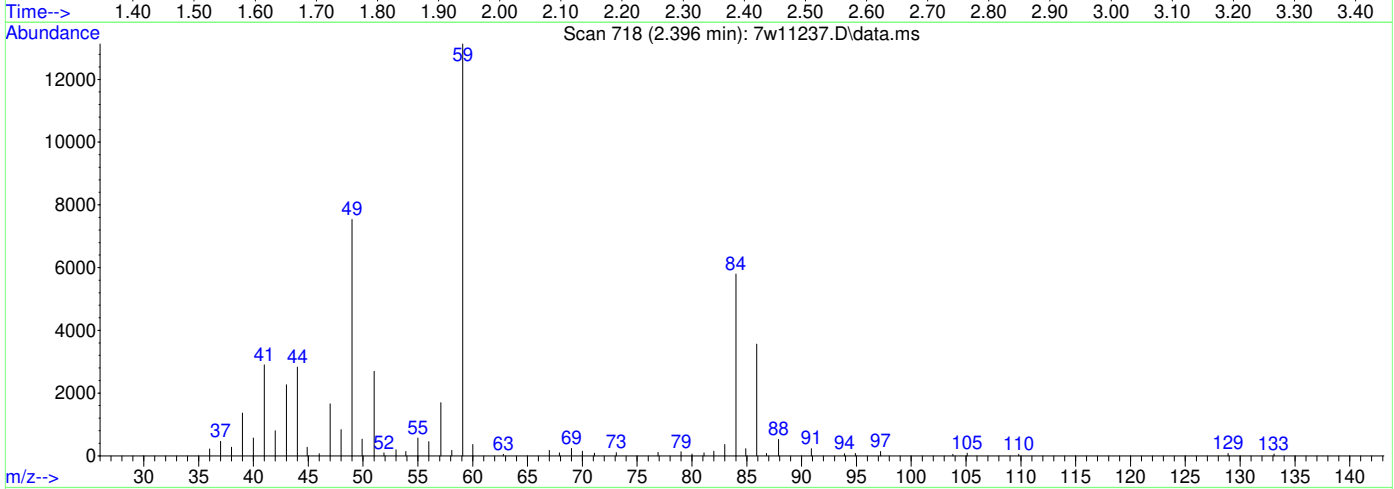
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11237.D
Acq On : 28 Dec 2024 11:51 am
Operator : benk
Sample : ic405-0.50
Misc : MS74014,v7w405,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 29 05:09:53 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:06:59 2024
Response via : Initial Calibration





TIC: 7w11237.D\data.ms

(31) METHYLENE CHLORIDE (T)

2.396min (+0.000) 0.67PPBV

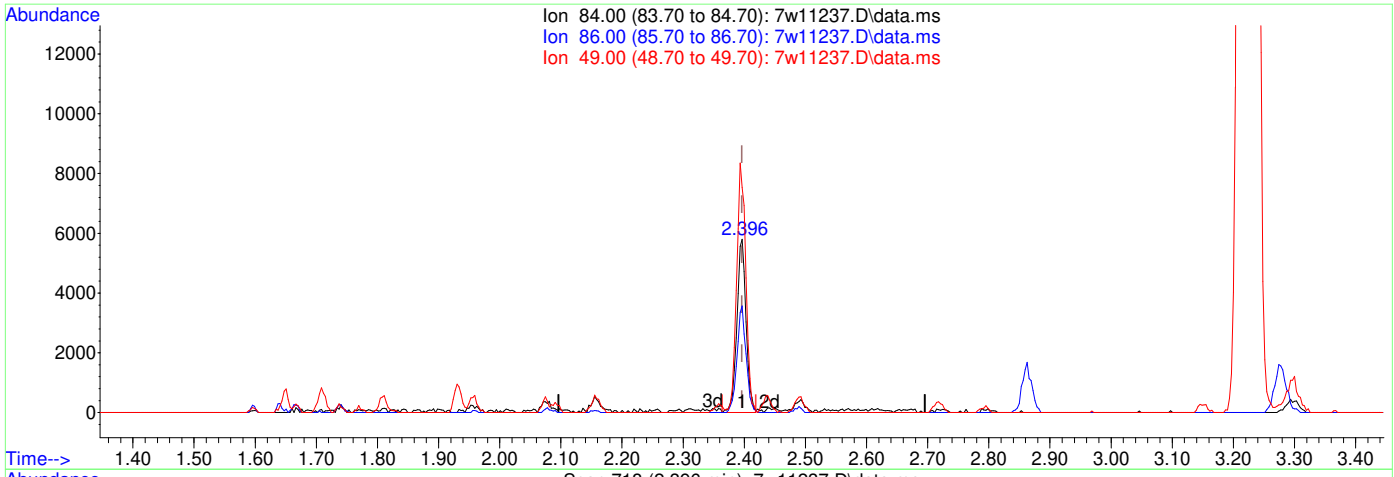
response 6163

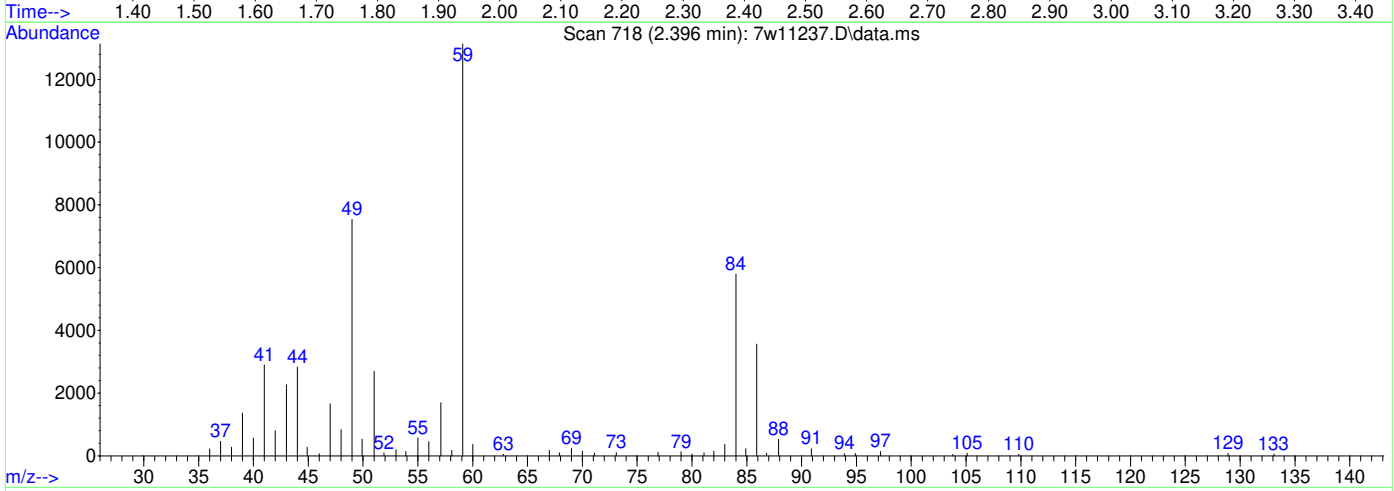
Ion	Exp%	Act%
84.00	100	100
86.00	65.70	59.99
49.00	148.40	145.94
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11237.D
Acq On : 28 Dec 2024 11:51 am
Operator : benk
Sample : ic405-0.50
Misc : MS74014,v7w405,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 29 05:09:53 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:06:59 2024
Response via : Initial Calibration





TIC: 7w11237.D\data.ms

(31) METHYLENE CHLORIDE (T)

2.396min (+0.000) 0.66PPBV m

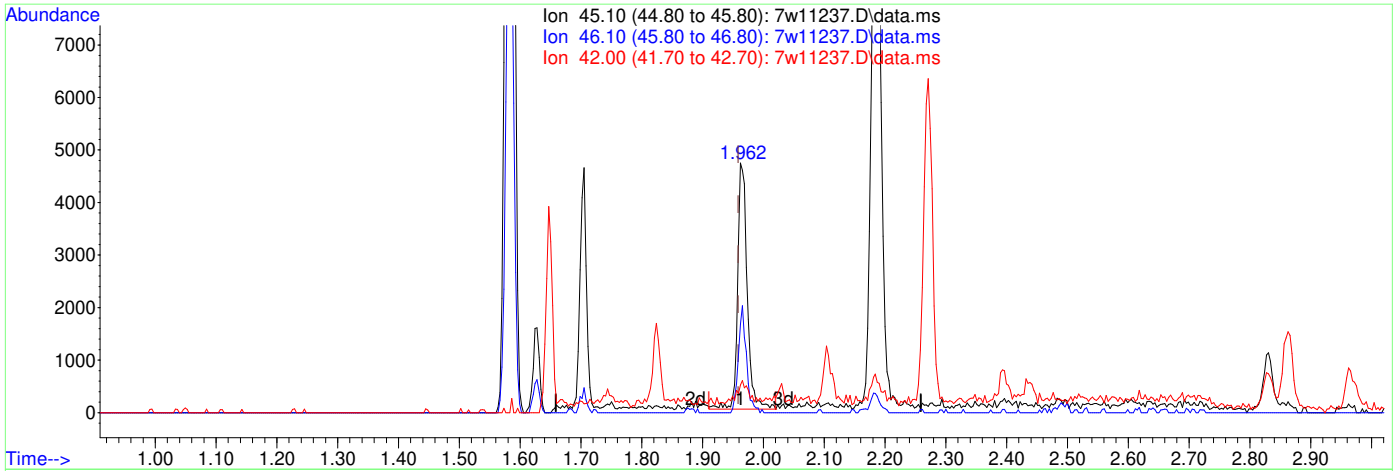
response 6063

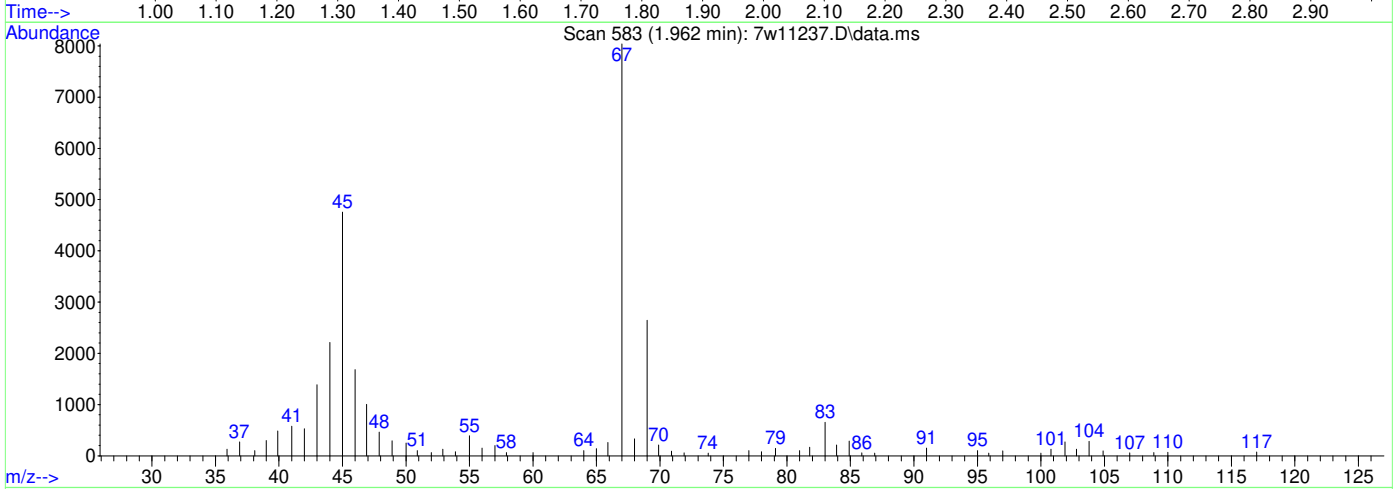
Ion	Exp%	Act%
84.00	100	100
86.00	65.70	60.98
49.00	148.40	148.34
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11237.D
Acq On : 28 Dec 2024 11:51 am
Operator : benk
Sample : ic405-0.50
Misc : MS74014,v7w405,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 29 05:09:53 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:06:59 2024
Response via : Initial Calibration





TIC: 7w11237.D\data.ms

(28) ETHANOL (T)

1.962min (+0.003) 0.84PPBV

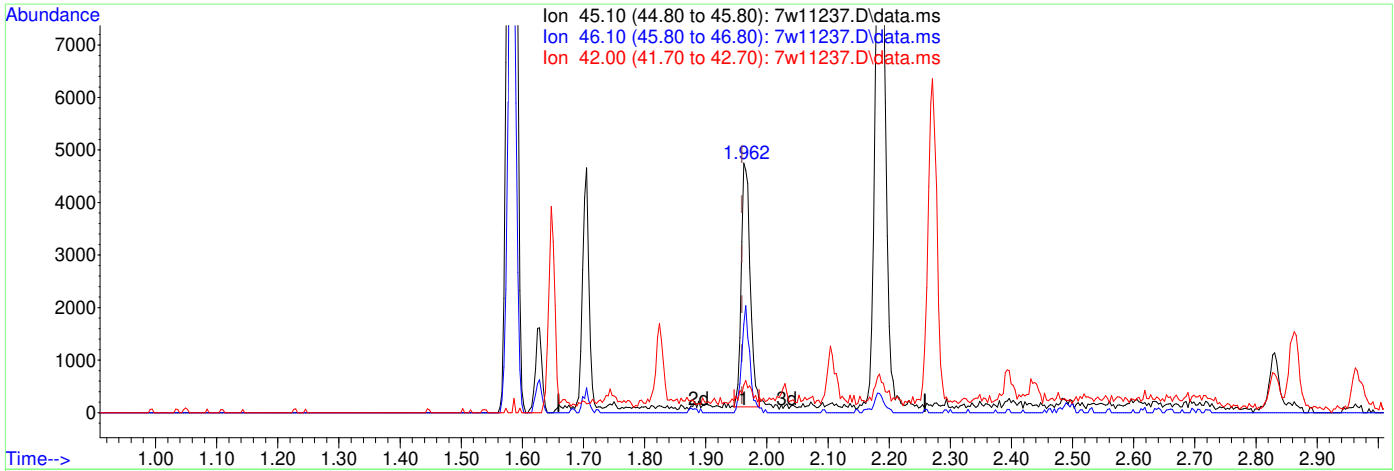
response 5104

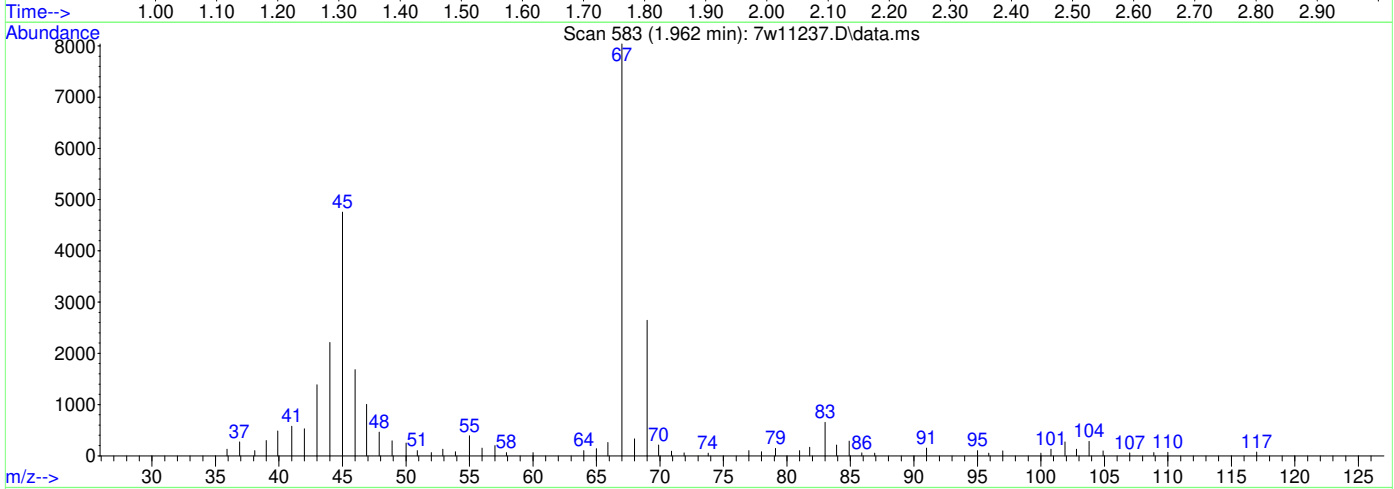
Ion	Exp%	Act%
45.10	100	100
46.10	40.80	36.68
42.00	9.00	13.09#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11237.D
Acq On : 28 Dec 2024 11:51 am
Operator : benk
Sample : ic405-0.50
Misc : MS74014,v7w405,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 29 05:09:53 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:06:59 2024
Response via : Initial Calibration





TIC: 7w11237.D\data.ms

(28) ETHANOL (T)

1.962min (+0.003) 0.78PPBV m

response 4727

Ion	Exp%	Act%
45.10	100	100
46.10	40.80	39.60
42.00	9.00	14.13#
0.00	0.00	0.00

7W11237.D edits: ETHANOL

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11238.D
Acq On : 28 Dec 2024 12:34 pm
Operator : benk
Sample : ic405-5
Misc : MS74014,v7w405,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 29 05:06:24 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:02:57 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.229	128	131992	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.496	114	667855	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.036	117	626654	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.229	128	131920	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.383	95	462248	10.08	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.599	119	10064	0.92	PPBV		94
3) FREON 152A	1.628	65	33700	5.21	PPBV		100
4) CHLORODIFLUOROMETHANE	1.641	67	15976	5.06	PPBV		99
5) CHLOROTRIFLUOROETHENE	1.650	116	80059	5.13	PPBV		98
6) DICHLORODIFLUOROMETHANE	1.670	85	173239	5.25	PPBV		99
7) PROPYLENE	1.650	41	41238	5.25	PPBV		99
8) 1-CHLORO-1,1-DIFLUOROE...	1.705	65	127875	5.29	PPBV		98
9) FREON 114	1.740	85	144861	5.50	PPBV		99
10) CHLOROMETHANE	1.711	52	15800	5.06	PPBV		96
11) VINYL CHLORIDE	1.773	62	57502	5.10	PPBV		99
12) 1,3-BUTADIENE	1.811	54	43964	5.19	PPBV		97
13) N-BUTANE	1.827	43	81043	5.16	PPBV		99
14) BROMOMETHANE	1.885	94	50054	5.27	PPBV		100
15) CHLOROETHANE	1.933	64	29393	5.09	PPBV		98
16) DICHLOROFLUOROMETHANE	1.959	67	120507	5.21	PPBV		99
17) ACETONITRILE	2.030	41	47324	4.94	PPBV		100
18) ACROLEIN	2.065	56	25829	5.10	PPBV		96
19) FREON 123	2.078	83	127410	5.25	PPBV		99
20) FREON 123A	2.094	117	83554	5.51	PPBV		100
21) TRICHLOROFLUOROMETHANE	2.162	101	156031	5.30	PPBV		99
22) ISOPROPYL ALCOHOL	2.191	45	120912	5.38	PPBV		98
23) ACETONE	2.107	58	31346	5.48	PPBV		99
24) PENTANE	2.274	42	59564	5.29	PPBV		99
25) IODOMETHANE	2.335	142	150640	5.59	PPBV		99
26) 1,1-DICHLOROETHYLENE	2.364	96	56281	5.40	PPBV		97
27) CARBON DISULFIDE	2.496	76	148579	5.14	PPBV		97
28) ETHANOL	1.969	45	36620	6.22	PPBV		99
29) BROMOETHENE	2.036	106	54180	5.33	PPBV		99
30) ACRYLONITRILE	2.245	52	43642	5.65	PPBV		98
31) METHYLENE CHLORIDE	2.400	84	49865	5.35	PPBV		99
32) 3-CHLOROPROPENE	2.441	76	27594	5.21	PPBV		97
33) FREON 113	2.496	151	94391	5.44	PPBV		99
34) TRANS-1,2-DICHLOROETHENE	2.721	96	59643	5.32	PPBV		95
35) TERTIARY BUTYL ALCOHOL	2.396	59	139322	5.10	PPBV		99
36) METHYL TERTIARY BUTYL ...	2.830	73	179162	5.34	PPBV		97
37) TETRAHYDROFURAN	3.518	72	29434	5.26	PPBV		97
38) HEXANE	3.281	57	107163	5.24	PPBV		99
39) VINYL ACETATE	2.866	86	15656	4.82	PPBV		94
40) 1,1-DICHLOROETHANE	2.795	63	112446	5.24	PPBV		99
41) METHYL ETHYL KETONE	2.962	72	31098	5.28	PPBV		99
42) CIS-1,2-DICHLOROETHENE	3.152	96	64258	5.22	PPBV		100
43) DIISOPROPYL ETHER	3.284	59	31191	5.39	PPBV		97
44) ETHYL ACETATE	3.290	61	22898	5.46	PPBV		96
45) METHYL ACRYLATE	3.274	55	129647	5.28	PPBV	#	100
46) CHLOROFORM	3.300	83	128139	5.33	PPBV		100
47) 2,4-DIMETHYLPENTANE	3.792	57	123380	5.22	PPBV		100
48) 1,1,1-TRICHLOROETHANE	3.866	97	138013	5.27	PPBV		99
49) CARBON TETRACHLORIDE	4.287	117	143015	5.07	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11238.D
Acq On : 28 Dec 2024 12:34 pm
Operator : benk
Sample : ic405-5
Misc : MS74014,v7w405,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 29 05:06:24 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:02:57 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50) 1,2-DICHLOROETHANE	3.705	62	97467	5.27	PPBV		100
51) BENZENE	4.174	78	184175	5.34	PPBV		100
53) CYCLOHEXANE	4.383	84	81438	5.13	PPBV		98
54) 2,3-DIMETHYLPENTANE	4.634	71	42493	5.21	PPBV		99
55) TRICHLOROETHENE	5.062	95	88289	5.08	PPBV		98
56) 1,2-DICHLOROPROPANE	4.834	63	73869	5.04	PPBV		99
57) DIBROMOMETHANE	4.792	174	75119	4.95	PPBV		99
58) ETHYL ACRYLATE	4.956	55	163994	5.11	PPBV		99
59) BROMODICHLOROMETHANE	5.010	83	141102	4.96	PPBV		99
60) 2,2,4-TRIMETHYLPENTANE	5.158	57	343171	5.32	PPBV		99
61) 1,4-DIOXANE	5.116	88	52796	5.80	PPBV	#	63
62) HEPTANE	5.470	43	118231	5.24	PPBV		100
63) METHYL METHACRYLATE	5.370	69	74099	5.29	PPBV		99
64) METHYL ISOBUTYL KETONE	6.116	58	72901	5.68	PPBV		99
65) CIS-1,3-DICHLOROPROPENE	5.991	75	121502	5.04	PPBV		99
66) TOLUENE	7.190	91	236256	5.07	PPBV		100
67) 1,3-DICHLOROPROPANE	7.248	76	116018	5.06	PPBV		99
68) TRANS-1,3-DICHLOROPROPENE	6.666	75	106931	4.69	PPBV		99
69) 1,1,2-TRICHLOROETHANE	6.821	83	68331	5.17	PPBV		99
70) 2-HEXANONE	7.801	58	133890	7.43	PPBV		99
71) ETHYL METHACRYLATE	7.898	69	127278	5.21	PPBV		95
72) TETRACHLOROETHENE	8.911	164	96143	5.35	PPBV		99
73) DIBROMOCHLOROMETHANE	7.721	129	138711	4.71	PPBV		100
74) 1,2-DIBROMOETHANE	8.058	107	131144	5.20	PPBV		100
75) OCTANE	9.062	43	163300	5.13	PPBV		100
77) 1,1,1,2-TETRACHLOROETHANE	10.120	131	106207	5.07	PPBV		99
78) CHLOROBENZENE	10.110	112	195164	5.17	PPBV		99
79) ETHYLBENZENE	10.991	91	318088	5.28	PPBV		100
80) M,P-XYLENE	11.412	91	497734	10.31	PPBV		98
81) O-XYLENE	12.348	91	254047	5.25	PPBV		99
82) STYRENE	12.136	104	193679	5.16	PPBV		99
83) NONANE	13.470	43	175616	5.23	PPBV		99
84) BROMOFORM	11.226	173	124504	4.75	PPBV		100
85) 1,1,2,2-TETRACHLOROETHANE	12.361	83	175404	5.22	PPBV		100
86) 1,2,3-TRICHLOROPROPANE	12.644	75	139660	5.10	PPBV		100
88) ISOPROPYLBENZENE	13.856	120	98143	5.06	PPBV		97
89) BROMOBENZENE	13.724	77	176709	4.96	PPBV		99
90) 2-CHLOROTOLUENE	14.856	126	88415	4.88	PPBV		99
91) N-PROPYLBENZENE	15.193	120	103410	5.07	PPBV		100
92) 4-ETHYLTOLUENE	15.640	105	367789	5.15	PPBV		99
93) 1,3,5-TRIMETHYLBENZENE	15.910	105	310860	5.20	PPBV		100
94) ALPHA-METHYLSTYRENE	16.212	118	154089	4.85	PPBV		99
95) TERT-BUTYLBENZENE	16.528	134	76413	5.38	PPBV		99
96) 1,2,4-TRIMETHYLBENZENE	16.534	105	317907	5.29	PPBV		100
97) BENZYL CHLORIDE	16.627	91	263588	4.58	PPBV		100
98) M-DICHLOROBENZENE	16.598	146	201910	4.83	PPBV		100
99) P-DICHLOROBENZENE	16.692	146	204152	5.04	PPBV		99
100) O-DICHLOROBENZENE	17.010	146	192317	4.98	PPBV		99
101) SEC-BUTYLBENZENE	16.839	134	95434	5.29	PPBV		99
102) 1,2,3-TRIMETHYLBENZENE	16.955	105	305447	5.07	PPBV		100
103) P-ISOPROPYLTOLUENE	17.032	134	104354	5.27	PPBV		100
104) N-BUTYLBENZENE	17.396	134	101938	5.14	PPBV		99
105) HEXACHLOROETHANE	17.576	117	121825	4.99	PPBV		99
106) HEXACHLOROBUTADIENE	18.634	225	147583	5.03	PPBV		99
107) 1,2,4-TRICHLOROBENZENE	18.322	180	175966	4.63	PPBV		100
108) NAPHTHALENE	18.370	128	372235	4.46	PPBV		100
110) TVHC as equiv Pentane	2.274	TIC	296961	5.41	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11238.D
Acq On : 28 Dec 2024 12:34 pm
Operator : benk
Sample : ic405-5
Misc : MS74014,v7w405,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 29 05:06:24 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:02:57 2024
Response via : Initial Calibration

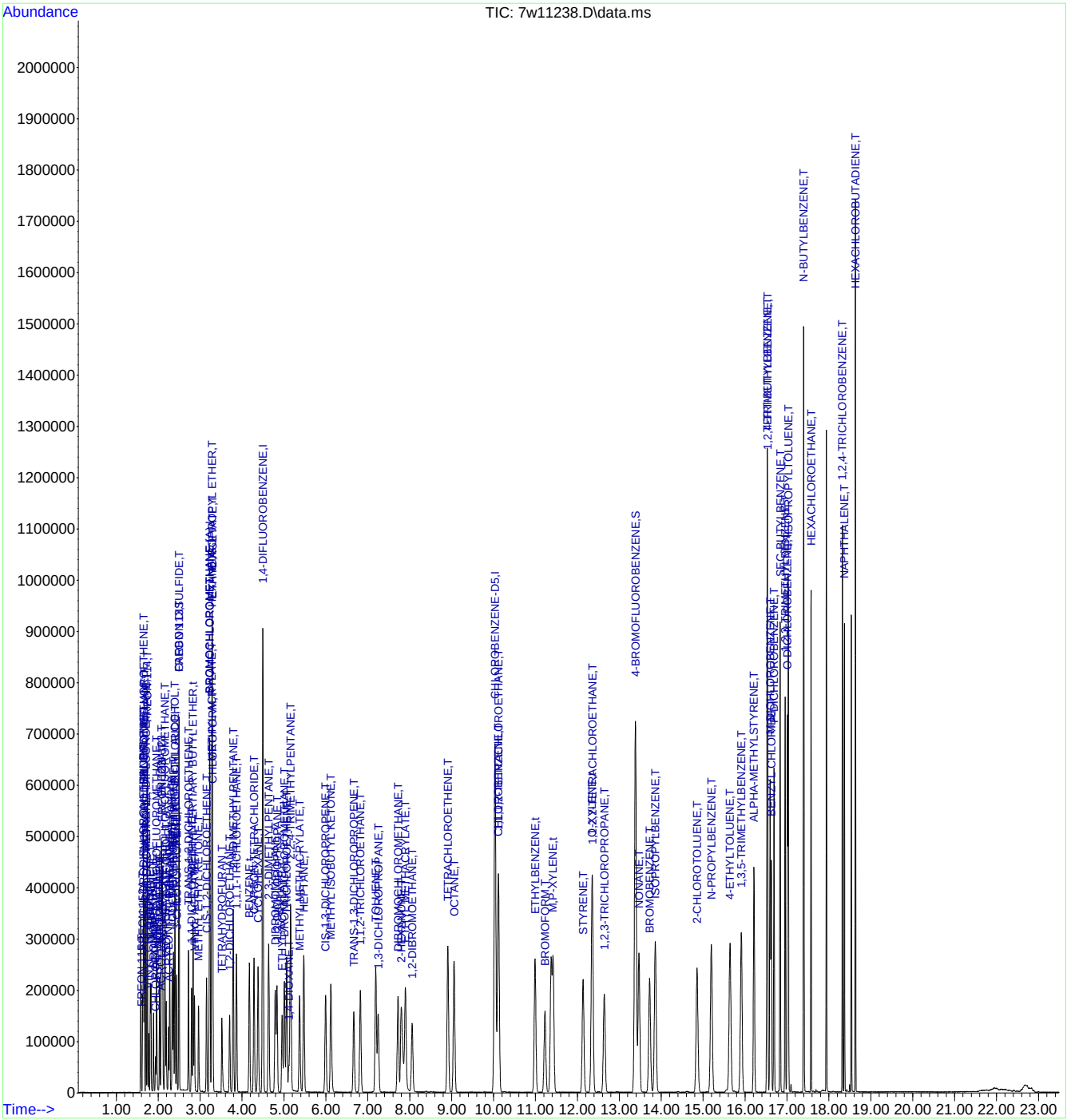
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11238.D
Acq On : 28 Dec 2024 12:34 pm
Operator : benk
Sample : ic405-5
Misc : MS74014,v7w405,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 29 05:06:24 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:02:57 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11240.D
Acq On : 28 Dec 2024 1:47 pm
Operator : benk
Sample : icc405-10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 29 04:50:37 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 22 00:53:20 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.226	128	131378	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.493	114	659033	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.033	117	616113	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.226	128	131378	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.383	95	447162	10.73	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.596	119	159197	74.09	PPBV		90
3) FREON 152A	1.625	65	70619	11.74	PPBV		87
4) CHLORODIFLUOROMETHANE	1.638	67	34075	14.82	PPBV		97
5) CHLOROTRIFLUOROETHENE	1.651	116	169558	10.01	PPBV	#	55
6) DICHLORODIFLUOROMETHANE	1.663	85	361796	7.33	PPBV		97
7) PROPYLENE	1.647	41	87865	8.50	PPBV		95
8) 1-CHLORO-1,1-DIFLUOROE...	1.702	65	266833	7.04	PPBV		97
9) FREON 114	1.737	85	300840	8.01	PPBV		92
10) CHLOROMETHANE	1.708	52	33563	7.85	PPBV		94
11) VINYL CHLORIDE	1.769	62	119055	8.61	PPBV		97
12) 1,3-BUTADIENE	1.808	54	94033	8.95	PPBV	#	80
13) N-BUTANE	1.824	43	174592	7.87	PPBV		97
14) BROMOMETHANE	1.882	94	103381	7.11	PPBV		99
15) CHLOROETHANE	1.930	64	61993	8.71	PPBV		95
16) DICHLOROFLUOROMETHANE	1.956	67	253114	7.73	PPBV		97
17) ACETONITRILE	2.023	41	99368	6.46	PPBV		98
18) ACROLEIN	2.062	56	53905	7.69	PPBV		100
19) FREON 123	2.075	83	265342	7.41	PPBV		97
20) FREON 123A	2.091	117	174347	7.60	PPBV		95
21) TRICHLOROFLUOROMETHANE	2.155	101	327408	6.55	PPBV		100
22) ISOPROPYL ALCOHOL	2.175	45	247379	7.31	PPBV		96
23) ACETONE	2.101	58	61121	7.39	PPBV		73
24) PENTANE	2.271	42	126473	7.40	PPBV		95
25) IODOMETHANE	2.332	142	309671	7.54	PPBV		85
26) 1,1-DICHLOROETHYLENE	2.358	96	115617	7.71	PPBV		91
27) CARBON DISULFIDE	2.493	76	317177	9.43	PPBV	#	89
28) ETHANOL	1.959	45	62292	5.92	PPBV		99
29) BROMOETHENE	2.030	106	112928	7.39	PPBV		96
30) ACRYLONITRILE	2.239	52	88292	8.10	PPBV		99
31) METHYLENE CHLORIDE	2.396	84	101654	7.33	PPBV		99
32) 3-CHLOROPROPENE	2.435	76	57302	8.22	PPBV		79
33) FREON 113	2.490	151	193605	6.66	PPBV		91
34) TRANS-1,2-DICHLOROETHENE	2.718	96	121649	7.89	PPBV		82
35) TERTIARY BUTYL ALCOHOL	2.374	59	282192	7.69	PPBV		93
36) METHYL TERTIARY BUTYL ...	2.824	73	375375	11.26	PPBV		96
37) TETRAHYDROFURAN	3.506	72	60165	8.30	PPBV		99
38) HEXANE	3.274	57	225309	9.57	PPBV		99
39) VINYL ACETATE	2.859	86	34415	8.74	PPBV		87
40) 1,1-DICHLOROETHANE	2.792	63	238292	11.30	PPBV		98
41) METHYL ETHYL KETONE	2.956	72	65627	8.91	PPBV		93
42) CIS-1,2-DICHLOROETHENE	3.149	96	136752	8.67	PPBV	#	78
43) DIISOPROPYL ETHER	3.281	59	65052	9.34	PPBV		86
44) ETHYL ACETATE	3.284	61	47399	8.74	PPBV		89
45) METHYL ACRYLATE	3.271	55	274676	9.87	PPBV	#	98
46) CHLOROFORM	3.297	83	272447	9.74	PPBV		98
47) 2,4-DIMETHYLPENTANE	3.785	57	264908	10.43	PPBV		97
48) 1,1,1-TRICHLOROETHANE	3.863	97	291408	11.12	PPBV	#	100
49) CARBON TETRACHLORIDE	4.281	117	312176	12.66	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11240.D
Acq On : 28 Dec 2024 1:47 pm
Operator : benk
Sample : icc405-10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 29 04:50:37 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 22 00:53:20 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50) 1,2-DICHLOROETHANE	3.702	62	207916	14.06	PPBV	#	96
51) BENZENE	4.171	78	391264	8.99	PPBV		89
53) CYCLOHEXANE	4.377	84	176001	9.71	PPBV		86
54) 2,3-DIMETHYLPENTANE	4.631	71	90898	9.87	PPBV		87
55) TRICHLOROETHENE	5.062	95	186075	9.84	PPBV		89
56) 1,2-DICHLOROPROPANE	4.827	63	156355	10.04	PPBV		92
57) DIBROMOMETHANE	4.789	174	163006	10.89	PPBV		88
58) ETHYL ACRYLATE	4.949	55	347446	10.77	PPBV		97
59) BROMODICHLOROMETHANE	5.007	83	305589	11.32	PPBV		99
60) 2,2,4-TRIMETHYLPENTANE	5.155	57	711259	10.97	PPBV		97
61) 1,4-DIOXANE	5.078	88	98611	8.03	PPBV		86
62) HEPTANE	5.467	43	252921	10.32	PPBV		98
63) METHYL METHACRYLATE	5.367	69	155284	10.18	PPBV		95
64) METHYL ISOBUTYL KETONE	6.094	58	141262	9.65	PPBV		92
65) CIS-1,3-DICHLOROPROPENE	5.988	75	260974	11.14	PPBV		92
66) TOLUENE	7.190	91	501403	9.17	PPBV		98
67) 1,3-DICHLOROPROPANE	7.245	76	248146	10.14	PPBV		99
68) TRANS-1,3-DICHLOROPROPENE	6.663	75	233274	11.52	PPBV		96
69) 1,1,2-TRICHLOROETHANE	6.821	83	143467	9.13	PPBV		96
70) 2-HEXANONE	7.756	58	195827	9.35	PPBV		95
71) ETHYL METHACRYLATE	7.888	69	260347	9.94	PPBV		98
72) TETRACHLOROETHENE	8.907	164	198985	11.49	PPBV		96
73) DIBROMOCHLOROMETHANE	7.721	129	308021	12.06	PPBV		100
74) 1,2-DIBROMOETHANE	8.055	107	281582	10.52	PPBV		99
75) OCTANE	9.059	43	351937	10.13	PPBV		95
77) 1,1,1,2-TETRACHLOROETHANE	10.120	131	230902	11.97	PPBV		97
78) CHLOROBENZENE	10.110	112	416067	9.97	PPBV		97
79) ETHYLBENZENE	10.988	91	677850	9.63	PPBV		99
80) M,P-XYLENE	11.419	91	1056677	19.39	PPBV		96
81) O-XYLENE	12.345	91	537862	9.76	PPBV		99
82) STYRENE	12.132	104	417847	9.89	PPBV		94
83) NONANE	13.470	43	371464	9.82	PPBV		89
84) BROMOFORM	11.226	173	280283	12.71	PPBV		99
85) 1,1,2,2-TETRACHLOROETHANE	12.361	83	374106	8.64	PPBV	#	97
86) 1,2,3-TRICHLOROPROPANE	12.640	75	296227	10.40	PPBV		100
88) ISOPROPYLBENZENE	13.859	120	209134	9.89	PPBV		98
89) BROMOBENZENE	13.721	77	377278	10.25	PPBV		99
90) 2-CHLOROTOLUENE	14.849	126	189709	10.34	PPBV		100
91) N-PROPYLBENZENE	15.197	120	218536	10.09	PPBV		98
92) 4-ETHYLTOLUENE	15.640	105	780911	9.78	PPBV		96
93) 1,3,5-TRIMETHYLBENZENE	15.910	105	651438	10.03	PPBV		97
94) ALPHA-METHYLSTYRENE	16.213	118	327935	9.46	PPBV		98
95) TERT-BUTYLBENZENE	16.528	134	157884	10.20	PPBV		88
96) 1,2,4-TRIMETHYLBENZENE	16.534	105	662762	9.43	PPBV		94
97) BENZYL CHLORIDE	16.627	91	587334	9.57	PPBV	#	93
98) M-DICHLOROBENZENE	16.598	146	434222	9.56	PPBV	#	100
99) P-DICHLOROBENZENE	16.692	146	438983	9.89	PPBV		98
100) O-DICHLOROBENZENE	17.007	146	411459	9.52	PPBV		99
101) SEC-BUTYLBENZENE	16.836	134	198439	9.99	PPBV	#	1
102) 1,2,3-TRIMETHYLBENZENE	16.955	105	642624	9.11	PPBV		97
103) P-ISOPROPYLTOLUENE	17.029	134	216933	9.81	PPBV	#	100
104) N-BUTYLBENZENE	17.393	134	214010	9.26	PPBV	#	1
105) HEXACHLOROETHANE	17.573	117	268359	10.15	PPBV		95
106) HEXACHLOROBUTADIENE	18.631	225	315642	11.07	PPBV	#	1
107) 1,2,4-TRICHLOROBENZENE	18.319	180	394080	10.00	PPBV		99
108) NAPHTHALENE	18.367	128	863409	10.22	PPBV		100
110) TVHC as equiv Pentane	2.271	TIC	604399	7.36	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11240.D
Acq On : 28 Dec 2024 1:47 pm
Operator : benk
Sample : icc405-10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 29 04:50:37 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 22 00:53:20 2024
Response via : Initial Calibration

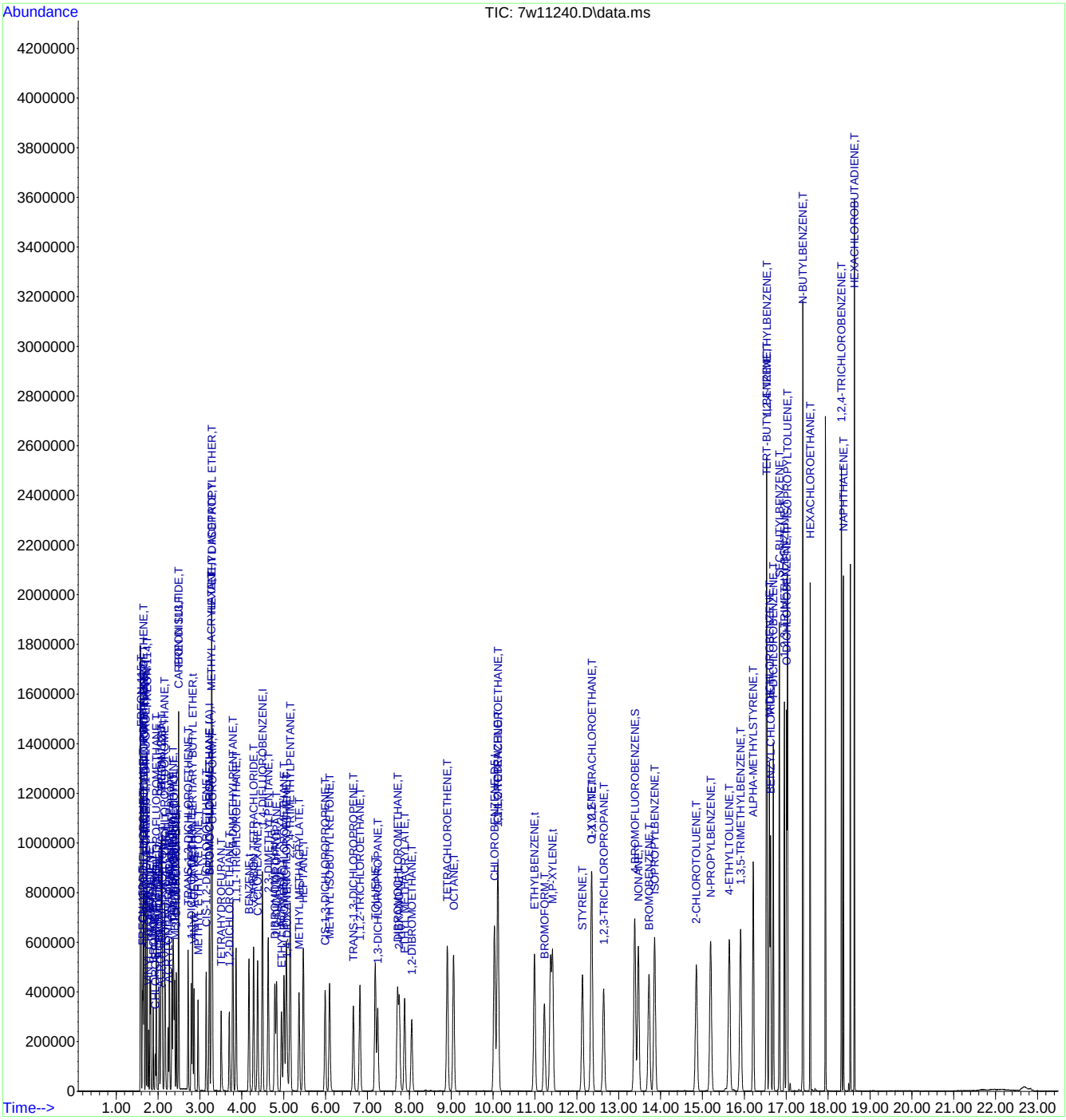
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11240.D
Acq On : 28 Dec 2024 1:47 pm
Operator : benk
Sample : icc405-10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 29 04:50:37 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 22 00:53:20 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11241.D
Acq On : 28 Dec 2024 2:25 pm
Operator : benk
Sample : ic405-20
Misc : MS74014,v7w405,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 29 04:59:47 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 04:57:55 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.226	128	126854	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.493	114	638427	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.036	117	603108	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.226	128	126854	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.386	95	441368	10.06	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.596	119	306896	26.40	PPBV		99
3) FREON 152A	1.625	65	138617	22.37	PPBV		100
4) CHLORODIFLUOROMETHANE	1.638	67	66594	22.10	PPBV		99
5) CHLOROTRIFLUOROETHENE	1.650	116	326020	21.56	PPBV		99
6) DICHLORODIFLUOROMETHANE	1.667	85	699867	22.02	PPBV		100
7) PROPYLENE	1.647	41	169555	22.33	PPBV		100
8) 1-CHLORO-1,1-DIFLUOROE...	1.702	65	512499	21.75	PPBV		100
9) FREON 114	1.737	85	580240	22.76	PPBV		100
10) CHLOROMETHANE	1.708	52	64518	21.24	PPBV		99
11) VINYL CHLORIDE	1.769	62	232906	21.63	PPBV		99
12) 1,3-BUTADIENE	1.808	54	182551	22.51	PPBV		99
13) N-BUTANE	1.824	43	338097	22.35	PPBV		100
14) BROMOMETHANE	1.882	94	198021	21.52	PPBV		100
15) CHLOROETHANE	1.930	64	118969	21.35	PPBV		99
16) DICHLOROFLUOROMETHANE	1.956	67	488646	21.83	PPBV		100
17) ACETONITRILE	2.023	41	192313	21.06	PPBV		99
18) ACROLEIN	2.062	56	106570	22.10	PPBV		99
19) FREON 123	2.075	83	511901	21.82	PPBV		100
20) FREON 123A	2.094	117	333208	22.49	PPBV		99
21) TRICHLOROFLUOROMETHANE	2.159	101	623390	21.54	PPBV		99
22) ISOPROPYL ALCOHOL	2.171	45	473419	21.61	PPBV		100
23) ACETONE	2.101	58	117725	21.30	PPBV		98
24) PENTANE	2.271	42	244309	22.30	PPBV		100
25) IODOMETHANE	2.332	142	591604	22.44	PPBV		100
26) 1,1-DICHLOROETHYLENE	2.361	96	221667	21.84	PPBV		100
27) CARBON DISULFIDE	2.493	76	613010	21.98	PPBV		99
28) ETHANOL	1.959	45	118748	20.62	PPBV		100
29) BROMOETHENE	2.033	106	214598	21.70	PPBV		99
30) ACRYLONITRILE	2.242	52	169494	22.65	PPBV		99
31) METHYLENE CHLORIDE	2.396	84	194495	21.35	PPBV		97
32) 3-CHLOROPROPENE	2.438	76	110765	21.67	PPBV		99
33) FREON 113	2.493	151	367709	21.49	PPBV		100
34) TRANS-1,2-DICHLOROETHENE	2.718	96	235716	21.81	PPBV		99
35) TERTIARY BUTYL ALCOHOL	2.371	59	539655	20.14	PPBV		99
36) METHYL TERTIARY BUTYL ...	2.824	73	723428	22.26	PPBV		100
37) TETRAHYDROFURAN	3.506	72	117493	21.83	PPBV		98
38) HEXANE	3.277	57	430909	21.67	PPBV		99
39) VINYL ACETATE	2.859	86	67826	22.25	PPBV		97
40) 1,1-DICHLOROETHANE	2.792	63	457937	22.05	PPBV		100
41) METHYL ETHYL KETONE	2.956	72	126630	22.17	PPBV		100
42) CIS-1,2-DICHLOROETHENE	3.149	96	263112	22.01	PPBV		99
43) DIISOPROPYL ETHER	3.281	59	125352	22.33	PPBV		99
44) ETHYL ACETATE	3.284	61	89942	21.78	PPBV		97
45) METHYL ACRYLATE	3.271	55	529034	22.22	PPBV	#	100
46) CHLOROFORM	3.300	83	516462	21.80	PPBV		99
47) 2,4-DIMETHYLPENTANE	3.785	57	506373	22.17	PPBV		100
48) 1,1,1-TRICHLOROETHANE	3.863	97	564470	22.35	PPBV		100
49) CARBON TETRACHLORIDE	4.281	117	609663	22.69	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11241.D
Acq On : 28 Dec 2024 2:25 pm
Operator : benk
Sample : ic405-20
Misc : MS74014,v7w405,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 29 04:59:47 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 04:57:55 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
50)	1,2-DICHLOROETHANE	3.702	62	402638	22.56	PPBV	99
51)	BENZENE	4.171	78	755006	22.64	PPBV	100
53)	CYCLOHEXANE	4.377	84	339869	22.43	PPBV	99
54)	2,3-DIMETHYLPENTANE	4.631	71	174649	22.38	PPBV	100
55)	TRICHLOROETHENE	5.062	95	359704	21.51	PPBV	100
56)	1,2-DICHLOROPROPANE	4.830	63	303407	21.63	PPBV	100
57)	DIBROMOMETHANE	4.789	174	312992	21.48	PPBV	100
58)	ETHYL ACRYLATE	4.946	55	676723	22.37	PPBV	100
59)	BROMODICHLOROMETHANE	5.007	83	587425	21.65	PPBV	100
60)	2,2,4-TRIMETHYLPENTANE	5.155	57	1375032	22.23	PPBV	100
61)	1,4-DIOXANE	5.072	88	186784	20.95	PPBV	98
62)	HEPTANE	5.470	43	488300	22.76	PPBV	100
63)	METHYL METHACRYLATE	5.367	69	299512	22.42	PPBV	99
64)	METHYL ISOBUTYL KETONE	6.094	58	271987	22.01	PPBV	99
65)	CIS-1,3-DICHLOROPROPENE	5.991	75	507797	22.32	PPBV	100
66)	TOLUENE	7.190	91	973750	22.00	PPBV	100
67)	1,3-DICHLOROPROPANE	7.248	76	478931	21.95	PPBV	99
68)	TRANS-1,3-DICHLOROPROPENE	6.666	75	458798	21.61	PPBV	99
69)	1,1,2-TRICHLOROETHANE	6.824	83	278027	22.03	PPBV	100
70)	2-HEXANONE	7.760	58	377518	21.81	PPBV	99
71)	ETHYL METHACRYLATE	7.891	69	506129	21.83	PPBV	100
72)	TETRACHLOROETHENE	8.911	164	383020	22.40	PPBV	99
73)	DIBROMOCHLOROMETHANE	7.721	129	613995	22.67	PPBV	100
74)	1,2-DIBROMOETHANE	8.062	107	545593	22.79	PPBV	99
75)	OCTANE	9.059	43	685319	22.86	PPBV	100
77)	1,1,1,2-TETRACHLOROETHANE	10.126	131	451908	22.41	PPBV	100
78)	CHLOROBENZENE	10.113	112	814457	22.39	PPBV	100
79)	ETHYLBENZENE	10.991	91	1320164	22.74	PPBV	100
80)	M,P-XYLENE	11.422	91	2058784	44.15	PPBV	97
81)	O-XYLENE	12.351	91	1048912	22.42	PPBV	100
82)	STYRENE	12.136	104	820877	23.04	PPBV	100
83)	NONANE	13.476	43	726869	22.53	PPBV	100
84)	BROMOFORM	11.229	173	563890	23.16	PPBV	100
85)	1,1,2,2-TETRACHLOROETHANE	12.364	83	732603	22.70	PPBV	100
86)	1,2,3-TRICHLOROPROPANE	12.644	75	576776	21.83	PPBV	100
88)	ISOPROPYLBENZENE	13.859	120	409277	21.93	PPBV	100
89)	BROMOBENZENE	13.727	77	739407	21.57	PPBV	99
90)	2-CHLOROTOLUENE	14.859	126	371222	21.39	PPBV	100
91)	N-PROPYLBENZENE	15.200	120	428493	21.98	PPBV	100
92)	4-ETHYLTOLUENE	15.643	105	1547675	23.00	PPBV	100
93)	1,3,5-TRIMETHYLBENZENE	15.917	105	1290766	22.94	PPBV	100
94)	ALPHA-METHYLSTYRENE	16.216	118	655690	22.20	PPBV	100
95)	TERT-BUTYLBENZENE	16.531	134	310716	22.85	PPBV	99
96)	1,2,4-TRIMETHYLBENZENE	16.541	105	1317303	23.21	PPBV	100
97)	BENZYL CHLORIDE	16.631	91	1195390	22.98	PPBV	100
98)	M-DICHLOROBENZENE	16.602	146	866695	22.10	PPBV	100
99)	P-DICHLOROBENZENE	16.695	146	880704	23.27	PPBV	99
100)	O-DICHLOROBENZENE	17.010	146	820370	22.71	PPBV	100
101)	SEC-BUTYLBENZENE	16.840	134	391899	22.95	PPBV	99
102)	1,2,3-TRIMETHYLBENZENE	16.959	105	1280395	22.70	PPBV	100
103)	P-ISOPROPYLTOLUENE	17.032	134	426177	22.64	PPBV	99
104)	N-BUTYLBENZENE	17.396	134	426836	23.04	PPBV	99
105)	HEXACHLOROETHANE	17.573	117	540620	23.91	PPBV	100
106)	HEXACHLOROBUTADIENE	18.634	225	657155	24.71	PPBV	100
107)	1,2,4-TRICHLOROBENZENE	18.322	180	830811	25.23	PPBV	100
108)	NAPHTHALENE	18.370	128	1764884	24.88	PPBV	100
110)	TVHC as equiv Pentane	2.271	TIC	1194978	22.35	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11241.D
Acq On : 28 Dec 2024 2:25 pm
Operator : benk
Sample : ic405-20
Misc : MS74014,v7w405,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 29 04:59:47 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 04:57:55 2024
Response via : Initial Calibration

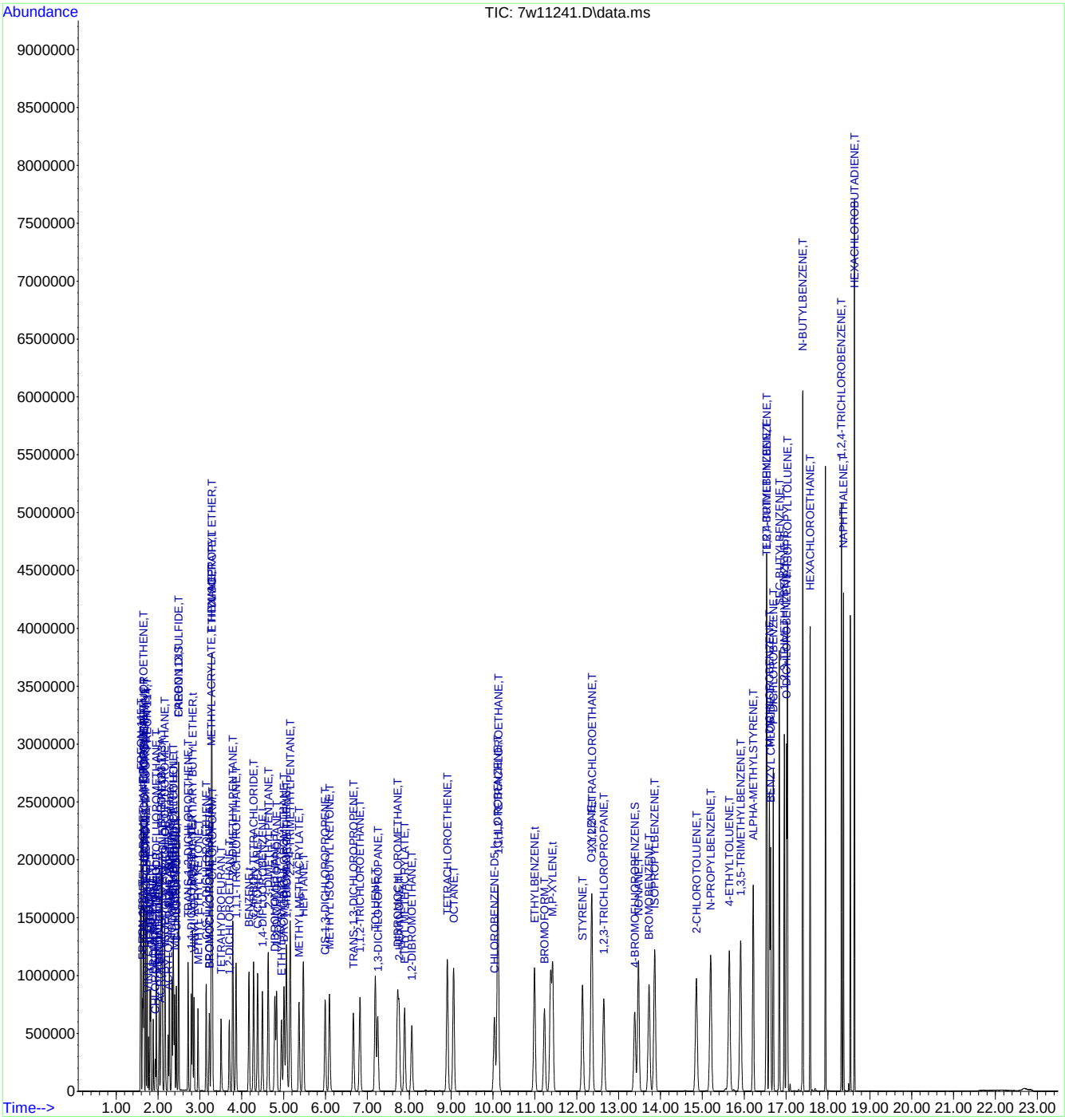
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11241.D
Acq On : 28 Dec 2024 2:25 pm
Operator : benk
Sample : ic405-20
Misc : MS74014,v7w405,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 29 04:59:47 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 04:57:55 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11242.D
Acq On : 28 Dec 2024 3:08 pm
Operator : benk
Sample : ic405-40
Misc : MS74014,v7w405,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 29 05:01:19 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:00:22 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.226	128	128392	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.493	114	638040	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.036	117	608914	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.226	128	128392	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.386	95	448477	10.10	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.596	119	78301	6.17	PPBV		99
3) FREON 152A	1.628	65	271083	42.58	PPBV		100
4) CHLORODIFLUOROMETHANE	1.638	67	132367	42.80	PPBV		99
5) CHLOROTRIFLUOROETHENE	1.651	116	640501	41.48	PPBV		100
6) DICHLORODIFLUOROMETHANE	1.667	85	1369137	42.02	PPBV		99
7) PROPYLENE	1.647	41	334942	43.23	PPBV		99
8) 1-CHLORO-1,1-DIFLUOROE...	1.705	65	992525	41.26	PPBV		99
9) FREON 114	1.737	85	1128910	43.25	PPBV		100
10) CHLOROMETHANE	1.708	52	126447	40.84	PPBV		99
11) VINYL CHLORIDE	1.770	62	457248	41.26	PPBV		99
12) 1,3-BUTADIENE	1.808	54	359850	43.23	PPBV		98
13) N-BUTANE	1.824	43	664309	42.89	PPBV		100
14) BROMOMETHANE	1.882	94	388703	41.40	PPBV		99
15) CHLOROETHANE	1.930	64	234917	41.29	PPBV		98
16) DICHLOROFLUOROMETHANE	1.956	67	953303	41.67	PPBV		99
17) ACETONITRILE	2.024	41	382342	40.79	PPBV		99
18) ACROLEIN	2.062	56	210760	42.45	PPBV		98
19) FREON 123	2.075	83	1007587	42.03	PPBV		99
20) FREON 123A	2.094	117	645065	42.70	PPBV		99
21) TRICHLOROFLUOROMETHANE	2.159	101	1198641	40.71	PPBV		99
22) ISOPROPYL ALCOHOL	2.171	45	919602	41.21	PPBV		99
23) ACETONE	2.101	58	229086	40.49	PPBV		96
24) PENTANE	2.271	42	476107	42.62	PPBV		99
25) IODOMETHANE	2.332	142	1141436	42.49	PPBV		100
26) 1,1-DICHLOROETHYLENE	2.361	96	433522	41.91	PPBV		98
27) CARBON DISULFIDE	2.493	76	1199868	41.99	PPBV		98
28) ETHANOL	1.959	45	231131	39.51	PPBV		99
29) BROMOETHENE	2.033	106	418405	41.48	PPBV		99
30) ACRYLONITRILE	2.242	52	329828	43.13	PPBV		98
31) METHYLENE CHLORIDE	2.397	84	377713	40.74	PPBV		99
32) 3-CHLOROPROPENE	2.438	76	216809	41.46	PPBV		98
33) FREON 113	2.493	151	702415	40.38	PPBV		99
34) TRANS-1,2-DICHLOROETHENE	2.718	96	459126	41.44	PPBV		99
35) TERTIARY BUTYL ALCOHOL	2.371	59	1038619	38.07	PPBV		98
36) METHYL TERTIARY BUTYL ...	2.824	73	1408890	42.40	PPBV		99
37) TETRAHYDROFURAN	3.503	72	230020	41.68	PPBV		98
38) HEXANE	3.278	57	841035	41.48	PPBV		99
39) VINYL ACETATE	2.860	86	135381	42.88	PPBV		96
40) 1,1-DICHLOROETHANE	2.792	63	894939	42.15	PPBV		100
41) METHYL ETHYL KETONE	2.956	72	247507	42.44	PPBV		100
42) CIS-1,2-DICHLOROETHENE	3.152	96	508963	41.67	PPBV		98
43) DIISOPROPYL ETHER	3.281	59	242060	42.13	PPBV		100
44) ETHYL ACETATE	3.287	61	173891	41.49	PPBV		97
45) METHYL ACRYLATE	3.271	55	1030168	42.35	PPBV	#	100
46) CHLOROFORM	3.300	83	994566	41.35	PPBV		99
47) 2,4-DIMETHYLPENTANE	3.786	57	995716	42.70	PPBV		100
48) 1,1,1-TRICHLOROETHANE	3.866	97	1104833	42.73	PPBV		99
49) CARBON TETRACHLORIDE	4.284	117	1201848	43.46	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11242.D
Acq On : 28 Dec 2024 3:08 pm
Operator : benk
Sample : ic405-40
Misc : MS74014,v7w405,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 29 05:01:19 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:00:22 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
50)	1,2-DICHLOROETHANE	3.702	62	786023	43.02	PPBV	100
51)	BENZENE	4.171	78	1476843	43.33	PPBV	100
53)	CYCLOHEXANE	4.380	84	660333	43.05	PPBV	99
54)	2,3-DIMETHYLPENTANE	4.634	71	342659	43.55	PPBV	99
55)	TRICHLOROETHENE	5.065	95	697734	41.42	PPBV	100
56)	1,2-DICHLOROPROPANE	4.834	63	592598	41.86	PPBV	100
57)	DIBROMOMETHANE	4.792	174	613694	41.83	PPBV	100
58)	ETHYL ACRYLATE	4.953	55	1336385	43.54	PPBV	100
59)	BROMODICHLOROMETHANE	5.014	83	1156711	42.23	PPBV	99
60)	2,2,4-TRIMETHYLPENTANE	5.158	57	2680756	42.95	PPBV	100
61)	1,4-DIOXANE	5.072	88	360357	40.48	PPBV	97
62)	HEPTANE	5.474	43	959929	44.25	PPBV	100
63)	METHYL METHACRYLATE	5.367	69	588562	43.68	PPBV	98
64)	METHYL ISOBUTYL KETONE	6.094	58	531405	42.76	PPBV	99
65)	CIS-1,3-DICHLOROPROPENE	5.994	75	1007886	43.71	PPBV	100
66)	TOLUENE	7.194	91	1917193	42.81	PPBV	99
67)	1,3-DICHLOROPROPANE	7.252	76	942161	42.70	PPBV	99
68)	TRANS-1,3-DICHLOROPROPENE	6.670	75	919599	42.50	PPBV	98
69)	1,1,2-TRICHLOROETHANE	6.827	83	546179	42.88	PPBV	100
70)	2-HEXANONE	7.760	58	734508	42.06	PPBV	98
71)	ETHYL METHACRYLATE	7.898	69	990940	42.20	PPBV	99
72)	TETRACHLOROETHENE	8.914	164	760618	44.10	PPBV	100
73)	DIBROMOCHLOROMETHANE	7.724	129	1226800	44.15	PPBV	100
74)	1,2-DIBROMOETHANE	8.068	107	1076666	44.47	PPBV	100
75)	OCTANE	9.065	43	1356937	44.57	PPBV	100
77)	1,1,1,2-TETRACHLOROETHANE	10.133	131	890891	43.21	PPBV	99
78)	CHLOROBENZENE	10.120	112	1599753	43.04	PPBV	99
79)	ETHYLBENZENE	10.997	91	2611736	44.06	PPBV	99
80)	M,P-XYLENE	11.428	91	4059078	85.31	PPBV	97
81)	O-XYLENE	12.358	91	2063787	43.28	PPBV	99
82)	STYRENE	12.145	104	1646434	45.06	PPBV	99
83)	NONANE	13.483	43	1444945	43.88	PPBV	99
84)	BROMOFORM	11.239	173	1131928	44.81	PPBV	100
85)	1,1,2,2-TETRACHLOROETHANE	12.377	83	1439647	43.59	PPBV	100
86)	1,2,3-TRICHLOROPROPANE	12.653	75	1138740	42.27	PPBV	100
88)	ISOPROPYLBENZENE	13.872	120	810452	42.53	PPBV	99
89)	BROMOBENZENE	13.737	77	1459071	41.64	PPBV	100
90)	2-CHLOROTOLUENE	14.865	126	737857	41.58	PPBV	100
91)	N-PROPYLBENZENE	15.206	120	861737	43.25	PPBV	99
92)	4-ETHYLTOLUENE	15.650	105	3111086	44.97	PPBV	100
93)	1,3,5-TRIMETHYLBENZENE	15.927	105	2621466	45.35	PPBV	100
94)	ALPHA-METHYLSTYRENE	16.219	118	1342872	44.04	PPBV	100
95)	TERT-BUTYLBENZENE	16.537	134	619552	44.56	PPBV	98
96)	1,2,4-TRIMETHYLBENZENE	16.547	105	2668790	45.73	PPBV	99
97)	BENZYL CHLORIDE	16.634	91	2480317	45.63	PPBV	100
98)	M-DICHLOROBENZENE	16.608	146	1757061	43.47	PPBV	100
99)	P-DICHLOROBENZENE	16.698	146	1789106	45.79	PPBV	99
100)	O-DICHLOROBENZENE	17.017	146	1669395	44.86	PPBV	100
101)	SEC-BUTYLBENZENE	16.843	134	787041	44.86	PPBV	100
102)	1,2,3-TRIMETHYLBENZENE	16.962	105	2615378	45.01	PPBV	100
103)	P-ISOPROPYLTOLUENE	17.036	134	851176	44.08	PPBV	99
104)	N-BUTYLBENZENE	17.399	134	867814	45.39	PPBV	99
105)	HEXACHLOROETHANE	17.576	117	1087679	46.31	PPBV	100
106)	HEXACHLOROBUTADIENE	18.634	225	1294963	46.02	PPBV	99
107)	1,2,4-TRICHLOROBENZENE	18.325	180	1761750	50.35	PPBV	99
108)	NAPHTHALENE	18.373	128	3967394	52.90	PPBV	100
110)	TVHC as equiv Pentane	2.271	TIC	2326791	42.64	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11242.D
Acq On : 28 Dec 2024 3:08 pm
Operator : benk
Sample : ic405-40
Misc : MS74014,v7w405,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 29 05:01:19 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:00:22 2024
Response via : Initial Calibration

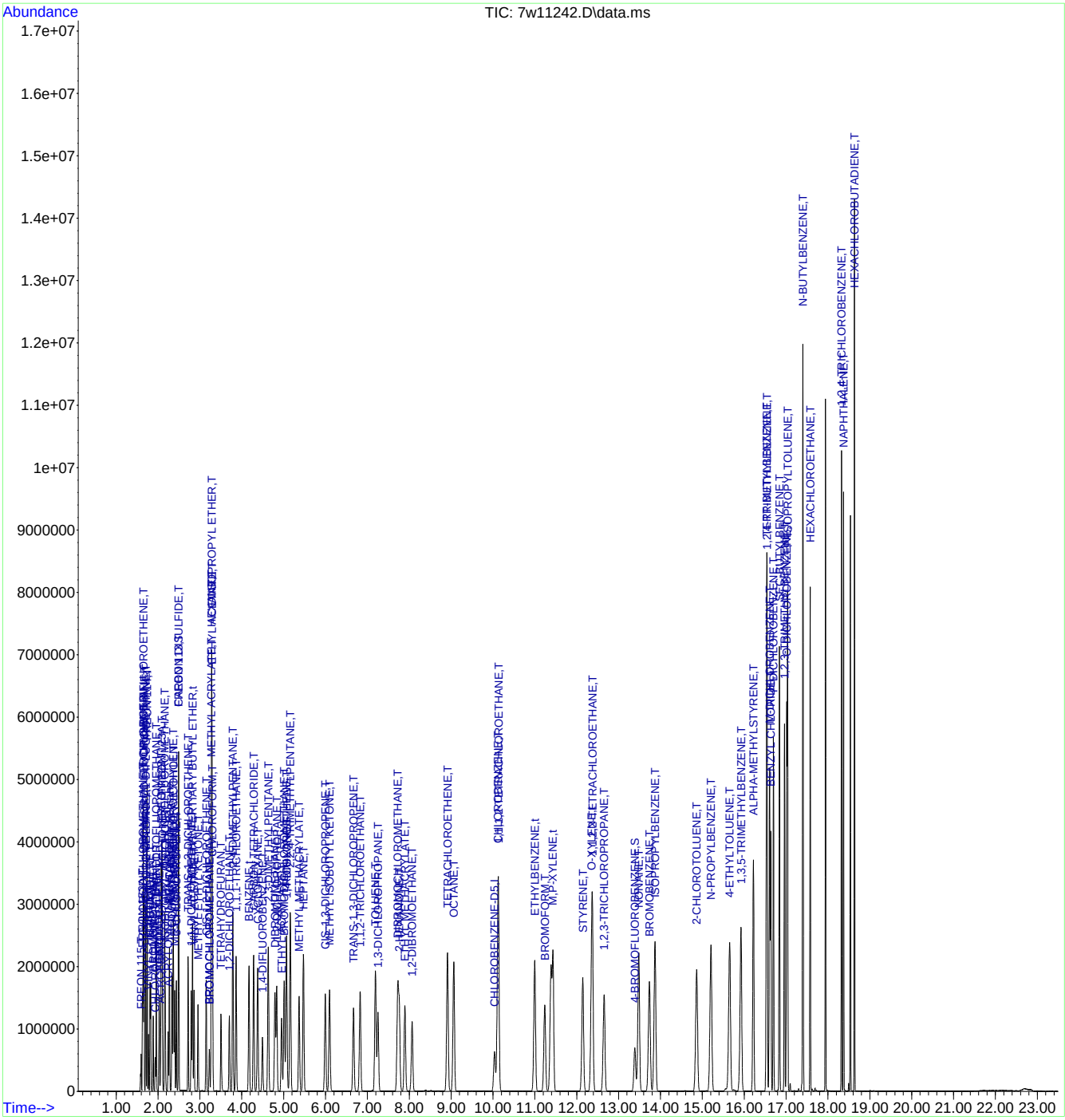
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11242.D
Acq On : 28 Dec 2024 3:08 pm
Operator : benk
Sample : ic405-40
Misc : MS74014,v7w405,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 29 05:01:19 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:00:22 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11243.D
Acq On : 28 Dec 2024 3:52 pm
Operator : benk
Sample : ic405-50
Misc : MS74014,v7w405,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 29 05:02:32 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:01:43 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.229	128	131520	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.496	114	651140	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.036	117	631688	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.229	128	131506	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.390	95	464012	10.05	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.599	119	741705	72.63	PPBV		100
3) FREON 152A	1.628	65	330254	50.71	PPBV		100
4) CHLORODIFLUOROMETHANE	1.638	67	159956	50.37	PPBV		99
5) CHLOROTRIFLUOROETHENE	1.651	116	768882	48.76	PPBV		100
6) DICHLORODIFLUOROMETHANE	1.667	85	1645131	49.40	PPBV		99
7) PROPYLENE	1.647	41	405917	51.25	PPBV		99
8) 1-CHLORO-1,1-DIFLUOROE...	1.705	65	1189703	48.61	PPBV		99
9) FREON 114	1.737	85	1353130	50.82	PPBV		100
10) CHLOROMETHANE	1.708	52	152465	48.29	PPBV		98
11) VINYL CHLORIDE	1.770	62	552847	48.68	PPBV		100
12) 1,3-BUTADIENE	1.808	54	438160	51.38	PPBV		98
13) N-BUTANE	1.824	43	801394	50.60	PPBV		99
14) BROMOMETHANE	1.882	94	469518	48.99	PPBV		99
15) CHLOROETHANE	1.930	64	286683	49.28	PPBV		98
16) DICHLOROFLUOROMETHANE	1.956	67	1156192	49.55	PPBV		99
17) ACETONITRILE	2.024	41	464245	48.23	PPBV		99
18) ACROLEIN	2.062	56	255031	50.01	PPBV		99
19) FREON 123	2.075	83	1209864	49.38	PPBV		99
20) FREON 123A	2.094	117	776496	50.55	PPBV		98
21) TRICHLOROFLUOROMETHANE	2.159	101	1437566	48.14	PPBV		100
22) ISOPROPYL ALCOHOL	2.171	45	1119311	49.31	PPBV		99
23) ACETONE	2.101	58	279034	48.35	PPBV		94
24) PENTANE	2.271	42	578759	50.86	PPBV		98
25) IODOMETHANE	2.332	142	1380179	50.59	PPBV		100
26) 1,1-DICHLOROETHYLENE	2.361	96	522266	49.55	PPBV		98
27) CARBON DISULFIDE	2.493	76	1448449	49.60	PPBV		97
28) ETHANOL	1.959	45	282775	47.56	PPBV		99
29) BROMOETHENE	2.030	106	504672	49.11	PPBV		99
30) ACRYLONITRILE	2.242	52	403117	51.71	PPBV		99
31) METHYLENE CHLORIDE	2.397	84	457423	48.53	PPBV		99
32) 3-CHLOROPROPENE	2.438	76	264624	49.56	PPBV		96
33) FREON 113	2.493	151	847049	48.11	PPBV		100
34) TRANS-1,2-DICHLOROETHENE	2.718	96	555898	49.15	PPBV		99
35) TERTIARY BUTYL ALCOHOL	2.371	59	1254686	45.34	PPBV		98
36) METHYL TERTIARY BUTYL ...	2.824	73	1709140	50.45	PPBV		100
37) TETRAHYDROFURAN	3.503	72	279916	49.61	PPBV		99
38) HEXANE	3.277	57	1018882	49.33	PPBV		98
39) VINYL ACETATE	2.863	86	164258	50.40	PPBV		100
40) 1,1-DICHLOROETHANE	2.795	63	1086544	50.15	PPBV		100
41) METHYL ETHYL KETONE	2.956	72	300553	50.53	PPBV		100
42) CIS-1,2-DICHLOROETHENE	3.152	96	620942	49.96	PPBV		98
43) DIISOPROPYL ETHER	3.284	59	294295	50.32	PPBV		99
44) ETHYL ACETATE	3.287	61	210312	49.48	PPBV		98
45) METHYL ACRYLATE	3.274	55	1251870	50.49	PPBV	#	100
46) CHLOROFORM	3.303	83	1199986	49.23	PPBV		99
47) 2,4-DIMETHYLPENTANE	3.789	57	1214203	50.98	PPBV		100
48) 1,1,1-TRICHLOROETHANE	3.866	97	1336098	50.59	PPBV		99
49) CARBON TETRACHLORIDE	4.284	117	1464922	51.64	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11243.D
Acq On : 28 Dec 2024 3:52 pm
Operator : benk
Sample : ic405-50
Misc : MS74014,v7w405,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 29 05:02:32 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:01:43 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
50)	1,2-DICHLOROETHANE	3.705	62	955960	51.25	PPBV	100
51)	BENZENE	4.175	78	1792719	51.55	PPBV	100
53)	CYCLOHEXANE	4.380	84	802582	51.32	PPBV	99
54)	2,3-DIMETHYLPENTANE	4.634	71	416634	51.90	PPBV	99
55)	TRICHLOROETHENE	5.068	95	847031	49.44	PPBV	100
56)	1,2-DICHLOROPROPANE	4.837	63	718356	49.76	PPBV	100
57)	DIBROMOMETHANE	4.795	174	746491	49.91	PPBV	100
58)	ETHYL ACRYLATE	4.953	55	1632310	51.89	PPBV	100
59)	BROMODICHLOROMETHANE	5.014	83	1408411	50.31	PPBV	99
60)	2,2,4-TRIMETHYLPENTANE	5.162	57	3257100	51.21	PPBV	100
61)	1,4-DIOXANE	5.075	88	440803	48.96	PPBV	97
62)	HEPTANE	5.474	43	1173841	52.95	PPBV	100
63)	METHYL METHACRYLATE	5.371	69	720078	52.34	PPBV	99
64)	METHYL ISOBUTYL KETONE	6.101	58	647296	51.17	PPBV	99
65)	CIS-1,3-DICHLOROPROPENE	5.998	75	1227694	51.89	PPBV	99
66)	TOLUENE	7.197	91	2335761	50.98	PPBV	99
67)	1,3-DICHLOROPROPANE	7.258	76	1144657	50.75	PPBV	99
68)	TRANS-1,3-DICHLOROPROPENE	6.673	75	1120807	50.23	PPBV	98
69)	1,1,2-TRICHLOROETHANE	6.827	83	664842	51.12	PPBV	100
70)	2-HEXANONE	7.766	58	885743	49.80	PPBV	99
71)	ETHYL METHACRYLATE	7.901	69	1209704	50.42	PPBV	99
72)	TETRACHLOROETHENE	8.917	164	924639	52.38	PPBV	100
73)	DIBROMOCHLOROMETHANE	7.724	129	1501535	52.28	PPBV	100
74)	1,2-DIBROMOETHANE	8.075	107	1306005	52.72	PPBV	100
75)	OCTANE	9.068	43	1653400	52.92	PPBV	100
77)	1,1,1,2-TETRACHLOROETHANE	10.136	131	1082043	50.59	PPBV	100
78)	CHLOROBENZENE	10.123	112	1946099	50.52	PPBV	99
79)	ETHYLBENZENE	11.001	91	3179194	51.68	PPBV	99
80)	M,P-XYLENE	11.435	91	4921035	99.78	PPBV	98
81)	O-XYLENE	12.361	91	2517379	50.98	PPBV	99
82)	STYRENE	12.149	104	2010092	52.71	PPBV	99
83)	NONANE	13.486	43	1757408	51.36	PPBV	99
84)	BROMOFORM	11.242	173	1393708	52.57	PPBV	99
85)	1,1,2,2-TETRACHLOROETHANE	12.380	83	1753514	51.18	PPBV	100
86)	1,2,3-TRICHLOROPROPANE	12.660	75	1387618	49.69	PPBV	100
88)	ISOPROPYLBENZENE	13.875	120	989751	50.03	PPBV	99
89)	BROMOBENZENE	13.740	77	1780294	48.96	PPBV	100
90)	2-CHLOROTOLUENE	14.872	126	902403	48.90	PPBV	100
91)	N-PROPYLBENZENE	15.209	120	1049686	50.53	PPBV	100
92)	4-ETHYLTOLUENE	15.656	105	3853366	53.27	PPBV	99
93)	1,3,5-TRIMETHYLBENZENE	15.927	105	3207147	52.95	PPBV	100
94)	ALPHA-METHYLSTYRENE	16.226	118	1650946	51.44	PPBV	100
95)	TERT-BUTYLBENZENE	16.537	134	754397	52.14	PPBV	99
96)	1,2,4-TRIMETHYLBENZENE	16.550	105	3224984	52.75	PPBV	99
97)	BENZYL CHLORIDE	16.637	91	3059411	52.97	PPBV	100
98)	M-DICHLOROBENZENE	16.608	146	2144105	50.56	PPBV	100
99)	P-DICHLOROBENZENE	16.701	146	2186003	53.27	PPBV	99
100)	O-DICHLOROBENZENE	17.016	146	2046435	52.38	PPBV	100
101)	SEC-BUTYLBENZENE	16.846	134	958582	52.29	PPBV	100
102)	1,2,3-TRIMETHYLBENZENE	16.965	105	3193608	52.30	PPBV	100
103)	P-ISOPROPYLTOLUENE	17.039	134	1037323	51.52	PPBV	100
104)	N-BUTYLBENZENE	17.402	134	1055468	52.54	PPBV	98
105)	HEXACHLOROETHANE	17.579	117	1337599	54.18	PPBV	99
106)	HEXACHLOROBUTADIENE	18.640	225	1579214	53.23	PPBV	99
107)	1,2,4-TRICHLOROBENZENE	18.328	180	2214716	58.74	PPBV	99
108)	NAPHTHALENE	18.377	128	5075640	61.94	PPBV	99
110)	TVHC as equiv Pentane	2.271	TIC	2805792	50.47	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11243.D
Acq On : 28 Dec 2024 3:52 pm
Operator : benk
Sample : ic405-50
Misc : MS74014,v7w405,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 29 05:02:32 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:01:43 2024
Response via : Initial Calibration

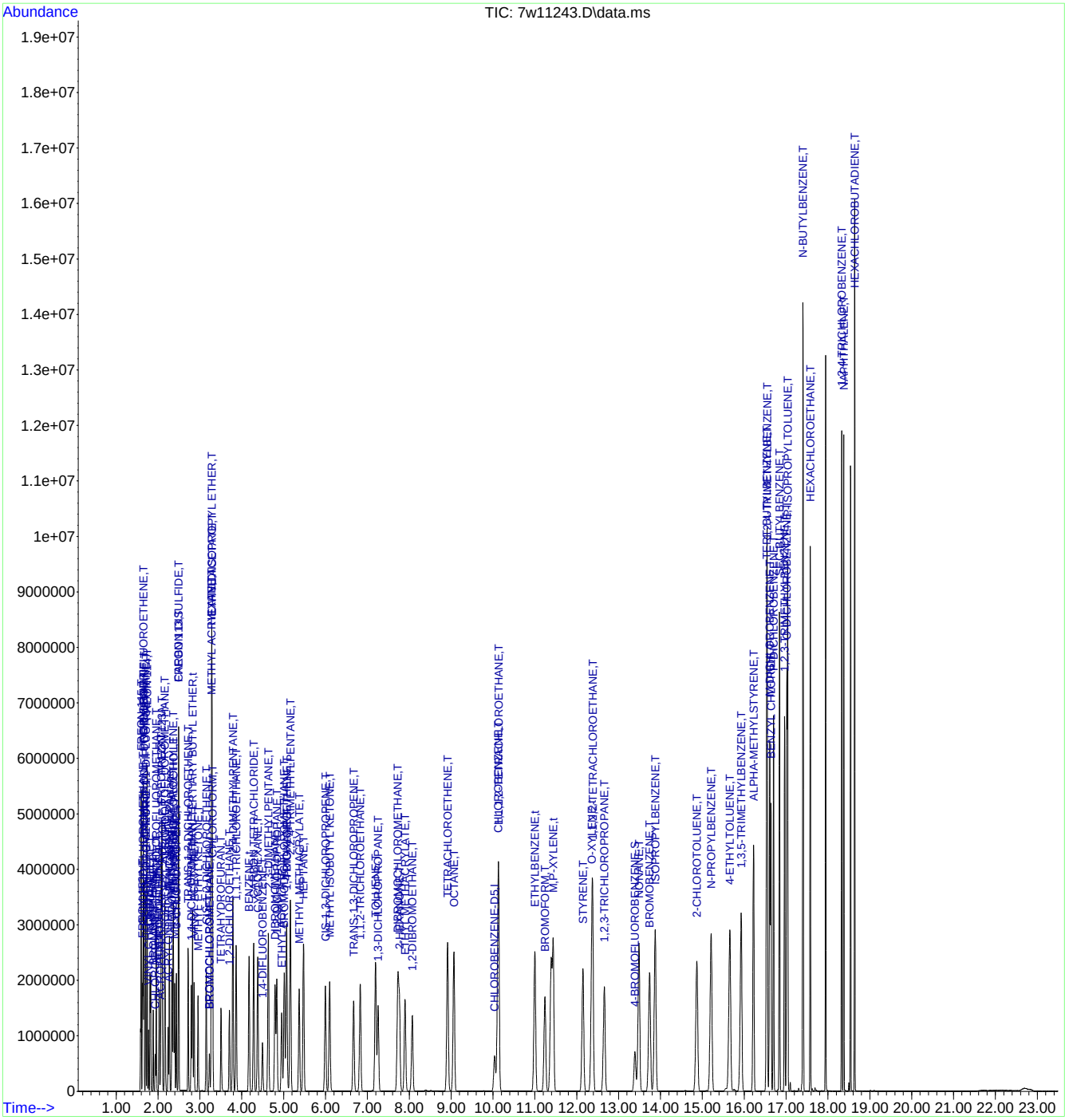
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11243.D
Acq On : 28 Dec 2024 3:52 pm
Operator : benk
Sample : ic405-50
Misc : MS74014,v7w405,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 29 05:02:32 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:01:43 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11247.D
Acq On : 28 Dec 2024 6:36 pm
Operator : benk
Sample : icv405-10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 29 19:41:44 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.226	128	128326	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.493	114	645131	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.033	117	603905	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.226	128	128326	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.383	95	441032	10.06	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.625	65	70330	11.51	PPBV		100
4) CHLORODIFLUOROMETHANE	1.638	67	34678	11.18	PPBV		99
5) CHLOROTRIFLUOROETHENE	1.651	116	167351	11.20	PPBV		99
6) DICHLORODIFLUOROMETHANE	1.667	85	361530	11.30	PPBV		100
7) PROPYLENE	1.647	41	87750	10.42	PPBV		99
8) 1-CHLORO-1,1-DIFLUOROE...	1.702	65	268830	11.34	PPBV		100
9) FREON 114	1.737	85	299987	11.82	PPBV		100
10) CHLOROMETHANE	1.708	52	32863	9.89	PPBV		98
11) VINYL CHLORIDE	1.770	62	117466	10.94	PPBV		99
12) 1,3-BUTADIENE	1.808	54	93721	10.25	PPBV		98
13) N-BUTANE	1.824	43	176537	10.61	PPBV		99
14) BROMOMETHANE	1.882	94	103865	10.82	PPBV		99
15) CHLOROETHANE	1.930	64	61928	10.66	PPBV		99
16) DICHLOROFLUOROMETHANE	1.956	67	260538	11.51	PPBV		100
17) ACETONITRILE	2.024	41	102868	9.97	PPBV		99
18) ACROLEIN	2.062	56	56736	10.47	PPBV		97
19) FREON 123	2.075	83	258469	10.59	PPBV		98
20) FREON 123A	2.091	117	158572	10.43	PPBV		99
21) TRICHLOROFLUOROMETHANE	2.155	101	326972	11.60	PPBV		99
22) ISOPROPYL ALCOHOL	2.175	45	252254	10.61	PPBV		100
23) ACETONE	2.101	58	61862	8.30	PPBV		98
24) PENTANE	2.271	42	125892	11.02	PPBV		100
25) IODOMETHANE	2.332	142	311082	12.05	PPBV		100
26) 1,1-DICHLOROETHYLENE	2.358	96	116228	10.45	PPBV		100
27) CARBON DISULFIDE	2.493	76	336807	12.16	PPBV		100
28) ETHANOL	1.959	45	54389	8.36	PPBV		100
29) BROMOETHENE	2.030	106	110904	10.85	PPBV		99
30) ACRYLONITRILE	2.242	52	88143	9.55	PPBV		98
31) METHYLENE CHLORIDE	2.397	84	104004	10.24	PPBV		97
32) 3-CHLOROPROPENE	2.438	76	58086	10.99	PPBV		98
33) FREON 113	2.490	151	198243	11.77	PPBV		99
34) TRANS-1,2-DICHLOROETHENE	2.718	96	124974	10.79	PPBV		100
35) TERTIARY BUTYL ALCOHOL	2.374	59	310048	11.34	PPBV		100
36) METHYL TERTIARY BUTYL ...	2.824	73	371996	11.23	PPBV		99
37) TETRAHYDROFURAN	3.506	72	62673	12.21	PPBV		95
38) HEXANE	3.278	57	218344	10.33	PPBV		99
39) VINYL ACETATE	2.860	86	35662	11.38	PPBV		95
40) 1,1-DICHLOROETHANE	2.792	63	235369	11.36	PPBV		100
41) METHYL ETHYL KETONE	2.956	72	64179	11.26	PPBV		99
42) CIS-1,2-DICHLOROETHENE	3.149	96	136309	11.43	PPBV		100
43) DIISOPROPYL ETHER	3.281	59	65035	11.11	PPBV		96
44) ETHYL ACETATE	3.284	61	45987	11.36	PPBV		98
45) METHYL ACRYLATE	3.271	55	275665	11.61	PPBV	#	99
46) CHLOROFORM	3.297	83	276173	11.77	PPBV		100
47) 2,4-DIMETHYLPENTANE	3.786	57	258551	11.06	PPBV		99
48) 1,1,1-TRICHLOROETHANE	3.863	97	291531	11.59	PPBV		100
49) CARBON TETRACHLORIDE	4.281	117	311447	12.49	PPBV		100
50) 1,2-DICHLOROETHANE	3.702	62	207686	11.83	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11247.D
Acq On : 28 Dec 2024 6:36 pm
Operator : benk
Sample : icv405-10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 29 19:41:44 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51) BENZENE	4.171	78	391655	11.43	PPBV	100
53) CYCLOHEXANE	4.377	84	173685	11.40	PPBV	99
54) 2,3-DIMETHYLPENTANE	4.631	71	90324	11.29	PPBV	98
55) TRICHLOROETHENE	5.062	95	186131	11.35	PPBV	99
56) 1,2-DICHLOROPROPANE	4.831	63	156847	11.21	PPBV	99
57) DIBROMOMETHANE	4.789	174	165870	10.76	PPBV	100
58) ETHYL ACRYLATE	4.946	55	348773	11.73	PPBV	100
59) BROMODICHLOROMETHANE	5.007	83	304404	11.65	PPBV	99
60) 2,2,4-TRIMETHYLPENTANE	5.155	57	699924	11.28	PPBV	100
61) 1,4-DIOXANE	5.078	88	97454	10.66	PPBV	99
62) HEPTANE	5.467	43	248482	11.40	PPBV	99
63) METHYL METHACRYLATE	5.367	69	154917	11.06	PPBV	99
64) METHYL ISOBUTYL KETONE	6.094	58	139000	10.68	PPBV	100
65) CIS-1,3-DICHLOROPROPENE	5.991	75	243164	11.10	PPBV	99
66) TOLUENE	7.187	91	493387	10.82	PPBV	100
67) 1,3-DICHLOROPROPANE	7.245	76	247994	11.65	PPBV	100
68) TRANS-1,3-DICHLOROPROPENE	6.663	75	231781	11.25	PPBV	100
69) 1,1,2-TRICHLOROETHANE	6.821	83	144738	11.55	PPBV	100
70) 2-HEXANONE	7.760	58	194335	9.56	PPBV	99
71) ETHYL METHACRYLATE	7.888	69	261342	10.73	PPBV	100
72) TETRACHLOROETHENE	8.908	164	197736	11.45	PPBV	100
73) DIBROMOCHLOROMETHANE	7.718	129	308711	11.73	PPBV	100
74) 1,2-DIBROMOETHANE	8.059	107	282440	12.31	PPBV	100
75) OCTANE	9.055	43	344924	11.17	PPBV	100
77) 1,1,1,2-TETRACHLOROETHANE	10.120	131	230150	11.92	PPBV	100
78) CHLOROBENZENE	10.110	112	411539	11.71	PPBV	99
79) ETHYLBENZENE	10.991	91	673474	11.32	PPBV	100
80) M,P-XYLENE	11.422	91	1045863	22.43	PPBV	98
81) O-XYLENE	12.345	91	527613	11.27	PPBV	100
82) STYRENE	12.136	104	411836	12.28	PPBV	100
83) NONANE	13.467	43	366216	11.39	PPBV	99
84) BROMOFORM	11.226	173	264242	11.41	PPBV	100
85) 1,1,2,2-TETRACHLOROETHANE	12.361	83	378232	12.14	PPBV	100
86) 1,2,3-TRICHLOROPROPANE	12.644	75	297750	11.98	PPBV	100
88) ISOPROPYLBENZENE	13.862	120	209087	11.69	PPBV	100
89) BROMOBENZENE	13.724	77	380384	11.41	PPBV	100
90) 2-CHLOROTOLUENE	14.856	126	191686	11.78	PPBV	99
91) N-PROPYLBENZENE	15.197	120	216658	11.95	PPBV	100
92) 4-ETHYLTOLUENE	15.640	105	779399	11.98	PPBV	100
93) 1,3,5-TRIMETHYLBENZENE	15.910	105	647532	11.83	PPBV	100
94) ALPHA-METHYLSTYRENE	16.213	118	336497	12.04	PPBV	99
95) TERT-BUTYLBENZENE	16.528	134	157132	11.99	PPBV	99
96) 1,2,4-TRIMETHYLBENZENE	16.537	105	661357	11.98	PPBV	100
97) BENZYL CHLORIDE	16.628	91	620171	12.69	PPBV	100
98) M-DICHLOROBENZENE	16.599	146	435352	11.56	PPBV	100
99) P-DICHLOROBENZENE	16.692	146	440736	12.03	PPBV	99
100) O-DICHLOROBENZENE	17.010	146	412635	11.60	PPBV	99
101) SEC-BUTYLBENZENE	16.837	134	199730	12.23	PPBV	100
102) 1,2,3-TRIMETHYLBENZENE	16.955	105	642369	11.62	PPBV	100
103) P-ISOPROPYLTOLUENE	17.033	134	217932	12.04	PPBV	100
104) N-BUTYLBENZENE	17.396	134	210699	11.92	PPBV	99
105) HEXACHLOROETHANE	17.573	117	264746	12.57	PPBV	100
106) HEXACHLOROBUTADIENE	18.631	225	299792	11.33	PPBV	100
107) 1,2,4-TRICHLOROBENZENE	18.319	180	379717	12.49	PPBV	100
108) NAPHTHALENE	18.367	128	867478	12.86	PPBV	100
110) TVHC as equiv Pentane	2.271	TIC	618380	11.35	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11247.D
Acq On : 28 Dec 2024 6:36 pm
Operator : benk
Sample : icv405-10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 29 19:41:44 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

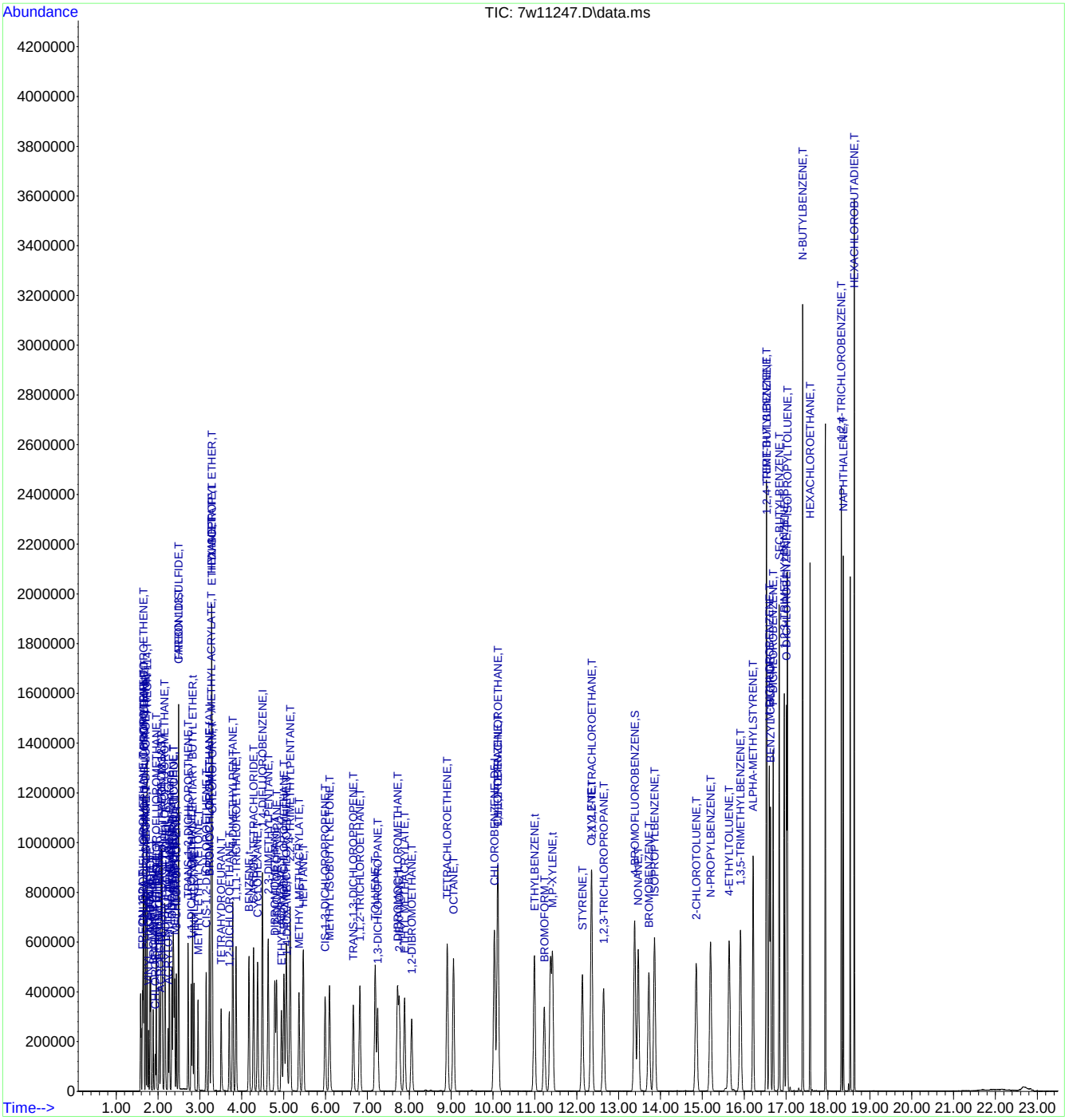
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

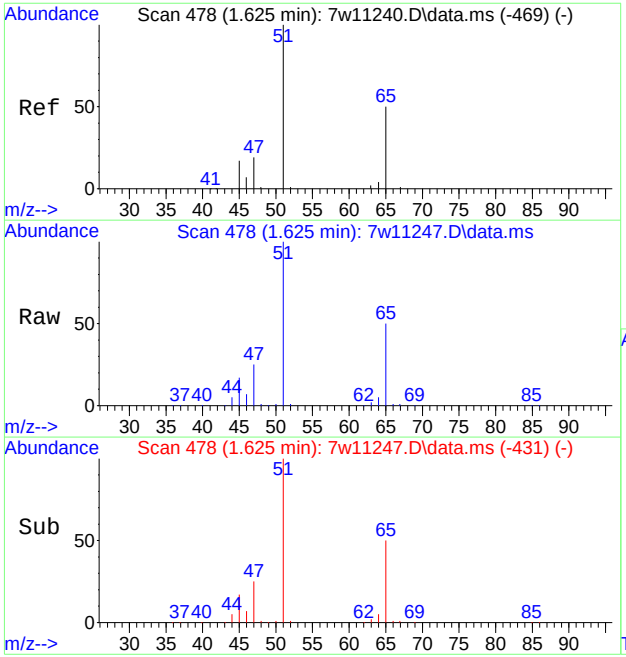
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11247.D
Acq On : 28 Dec 2024 6:36 pm
Operator : benk
Sample : icv405-10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 29 19:41:44 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

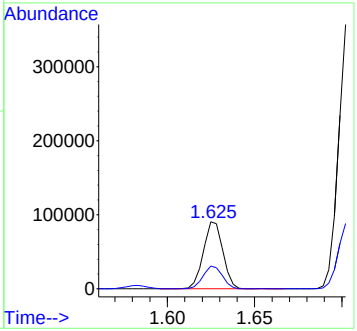


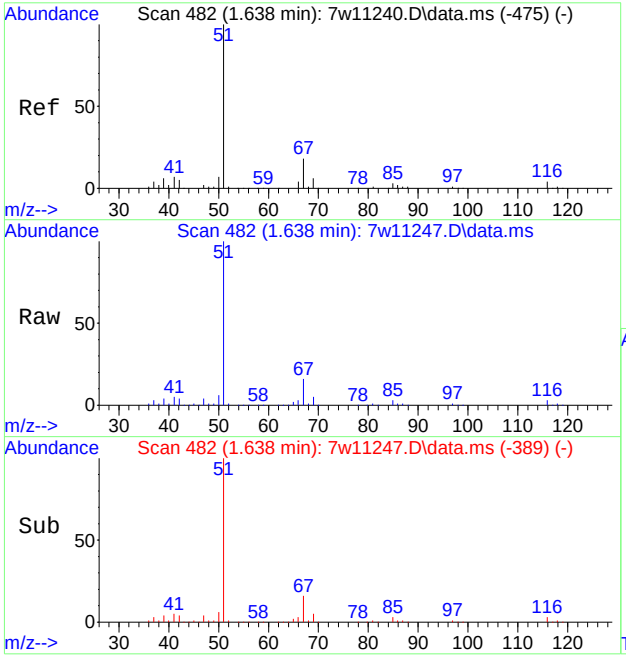


#3
FREON 152A
Concen: 11.51 PPBV
RT: 1.625 min Scan# 478
Delta R.T. -0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 65 Resp: 70330

Ion	Ratio	Lower	Upper
65	100		
45	33.6	23.5	43.7

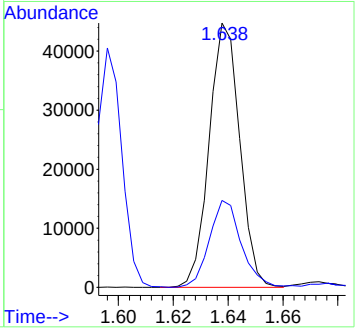


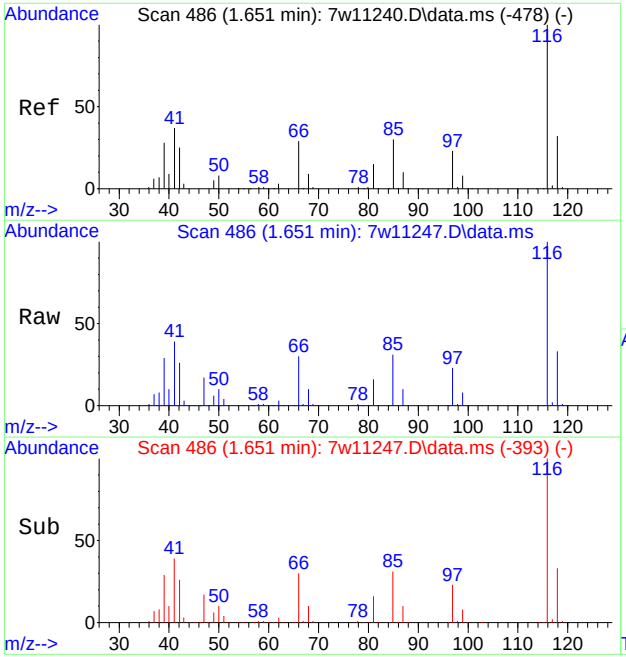


#4
CHLORODIFLUOROMETHANE
Concen: 11.18 PPBV
RT: 1.638 min Scan# 482
Delta R.T. -0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 67 Resp: 34678

Ion	Ratio	Lower	Upper
67	100		
69	34.3	24.4	45.4

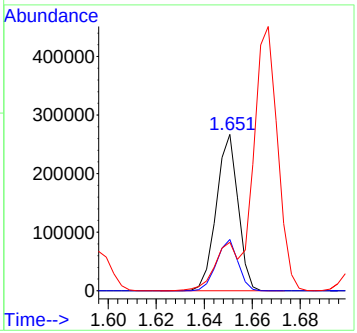


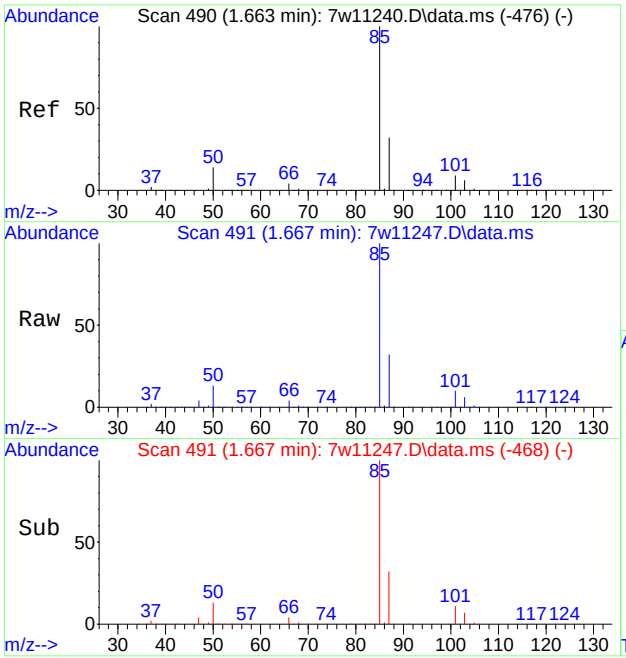


#5
CHLOROTRIFLUOROETHENE
Concen: 11.20 PPBV
RT: 1.651 min Scan# 486
Delta R.T. -0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion:116 Resp: 167351

Ion	Ratio	Lower	Upper
116	100		
118	32.6	22.7	42.1
85	216.1	149.4	277.4

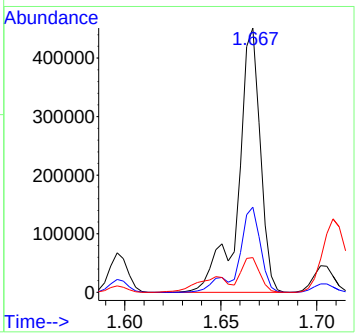


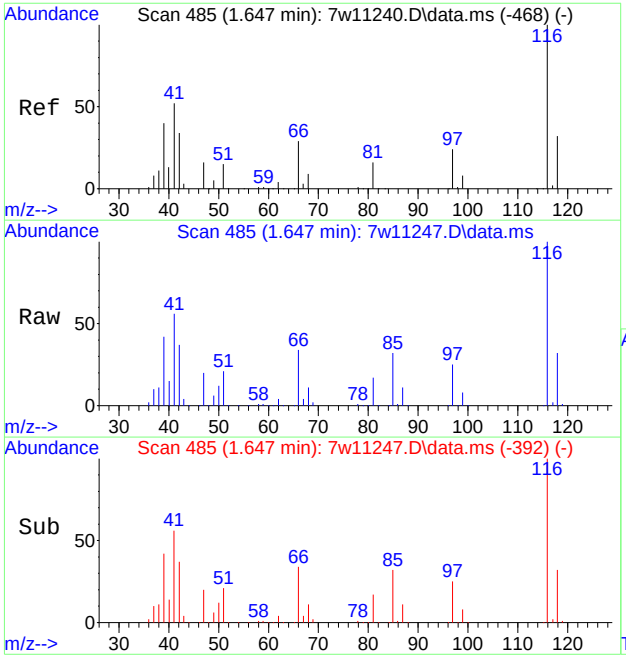


#6
DICHLORODIFLUOROMETHANE
Concen: 11.30 PPBV
RT: 1.667 min Scan# 491
Delta R.T. 0.004 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 85 Resp: 361530

Ion	Ratio	Lower	Upper
85	100		
87	32.1	22.5	41.7
50	19.5	13.8	25.6

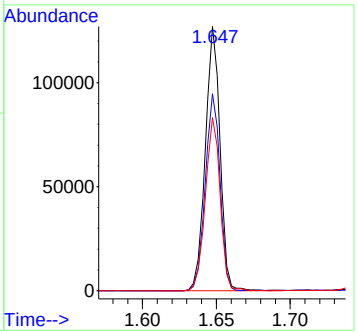


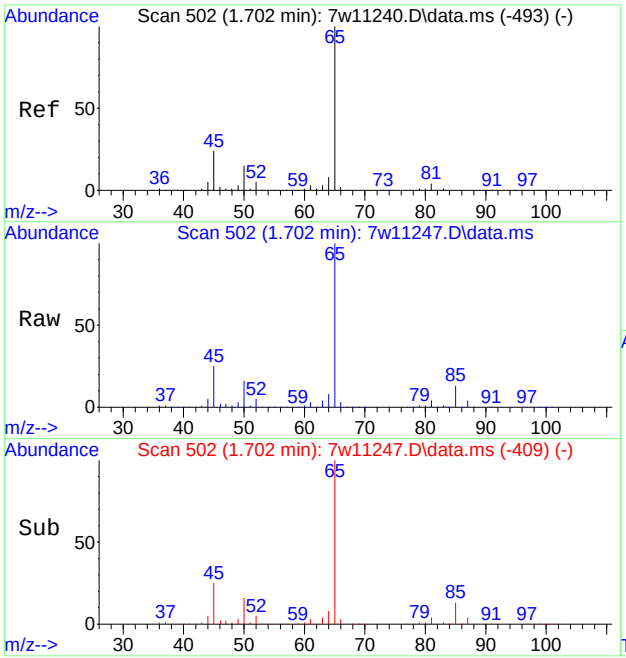


#7
PROPYLENE
Concen: 10.42 PPBV
RT: 1.647 min Scan# 485
Delta R.T. 0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 41 Resp: 87750

Ion	Ratio	Lower	Upper
41	100		
39	74.8	52.9	98.3
42	65.8	46.6	86.6

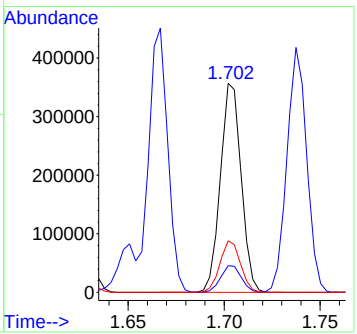


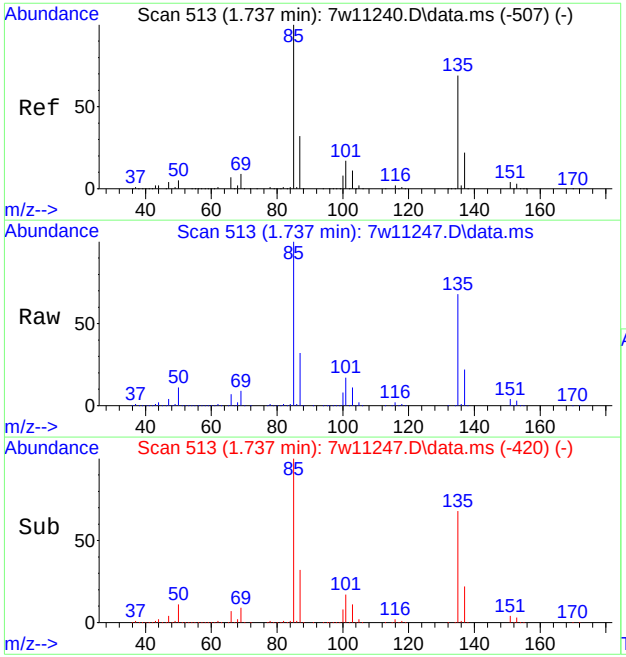


#8
1-CHLORO-1,1-DIFLUOROETHANE
Concen: 11.34 PPBV
RT: 1.702 min Scan# 502
Delta R.T. 0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 65 Resp: 268830

Ion	Ratio	Lower	Upper
65	100		
85	12.8	8.9	16.5
45	24.4	17.1	31.7

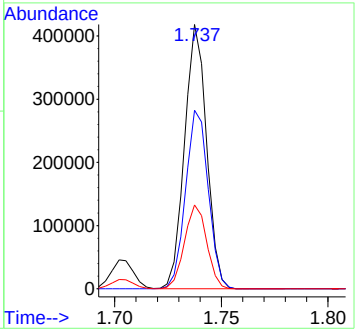


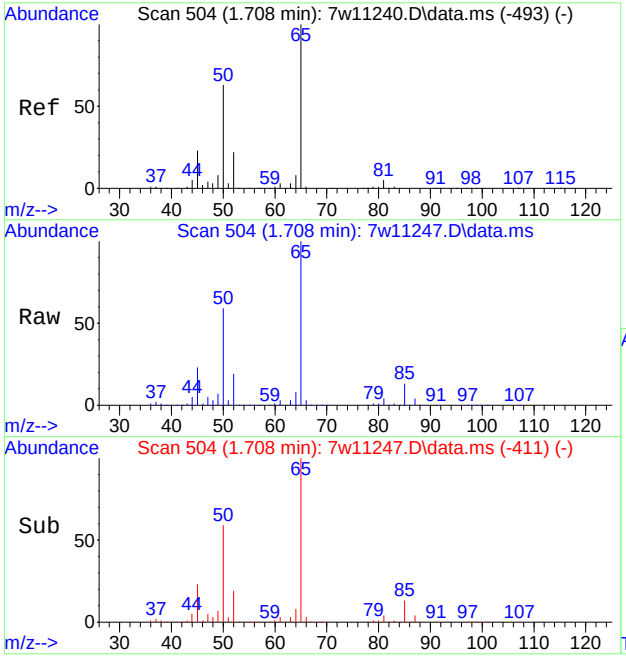


#9
FREON 114
Concen: 11.82 PPBV
RT: 1.737 min Scan# 513
Delta R.T. 0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 85 Resp: 299987

Ion	Ratio	Lower	Upper
85	100		
135	69.7	48.6	90.2
87	32.2	22.4	41.6

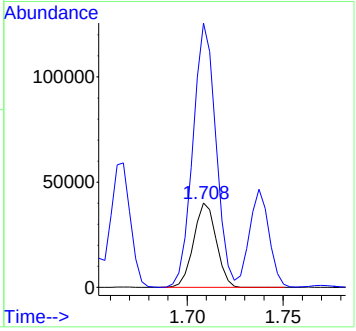


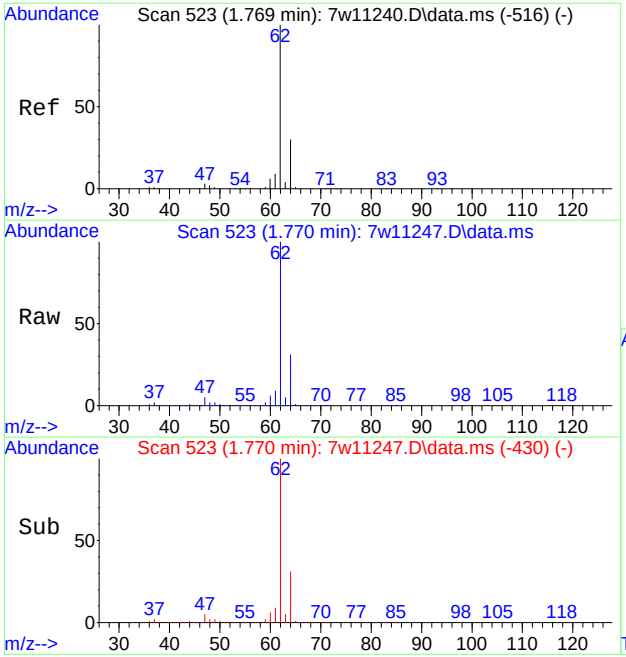


#10
CHLOROMETHANE
Concen: 9.89 PPBV
RT: 1.708 min Scan# 504
Delta R.T. 0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 52 Resp: 32863

Ion	Ratio	Lower	Upper
52	100		
50	318.7	220.1	408.8

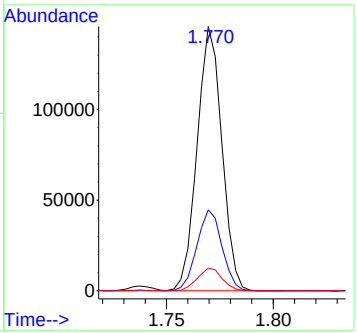


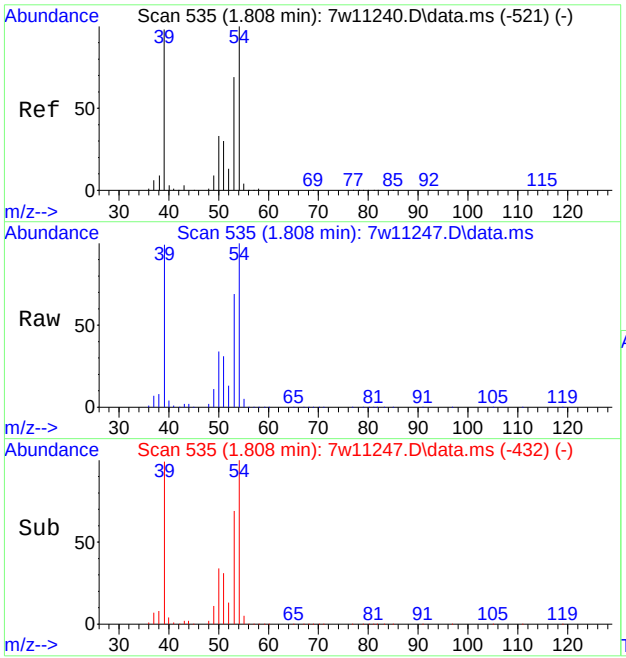


#11
VINYL CHLORIDE
Concen: 10.94 PPBV
RT: 1.770 min Scan# 523
Delta R.T. 0.001 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 62 Resp: 117466

Ion	Ratio	Lower	Upper
62	100		
64	31.1	21.4	39.8
61	8.9	5.9	11.1

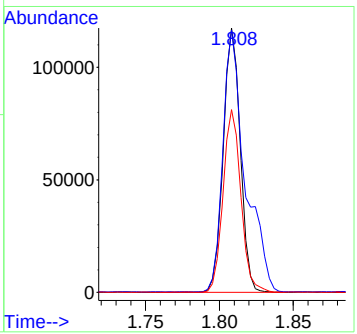


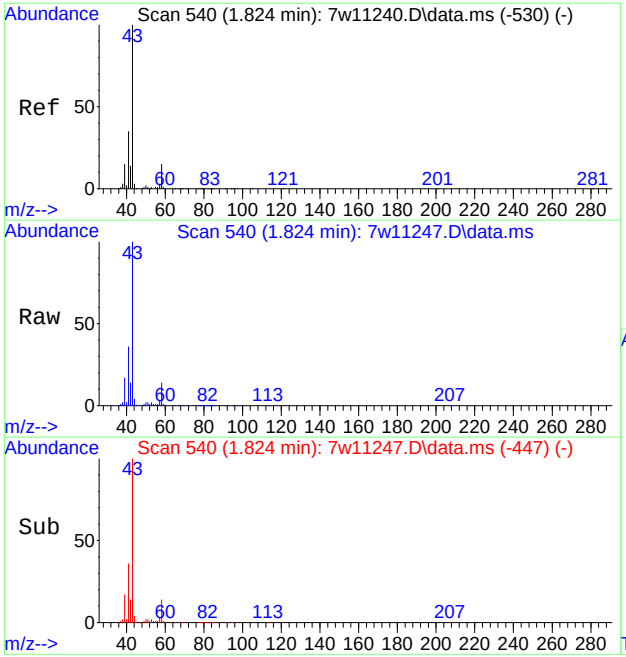


#12
1,3-BUTADIENE
Concen: 10.25 PPBV
RT: 1.808 min Scan# 535
Delta R.T. 0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 54 Resp: 93721

Ion	Ratio	Lower	Upper
54	100		
39	130.0	98.3	158.3
53	72.8	41.0	101.0

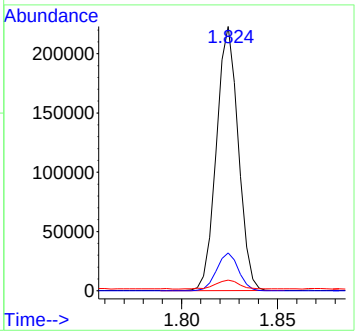


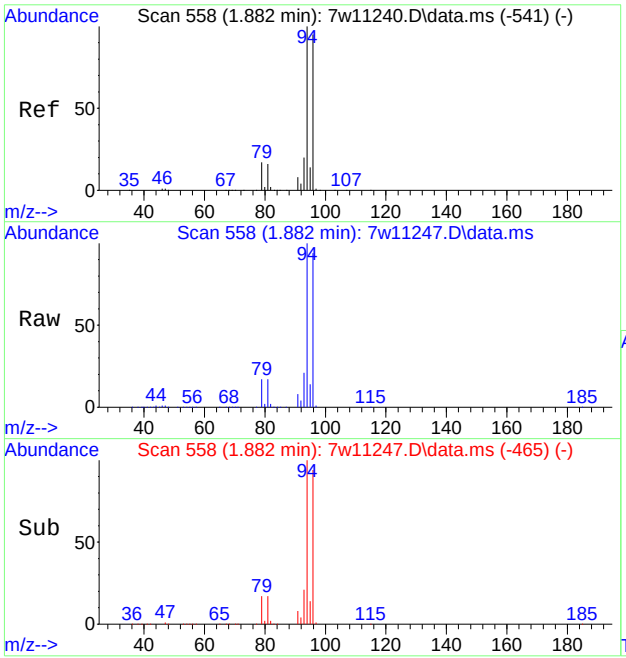


#13
N-BUTANE
Concen: 10.61 PPBV
RT: 1.824 min Scan# 540
Delta R.T. 0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 43 Resp: 176537

Ion	Ratio	Lower	Upper
43	100		
58	14.4	10.4	19.2
44	4.8	3.0	5.6

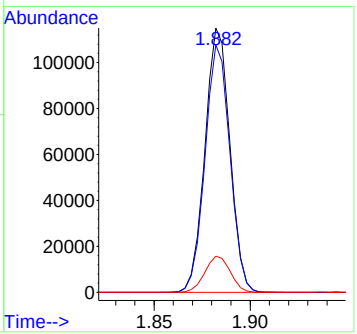


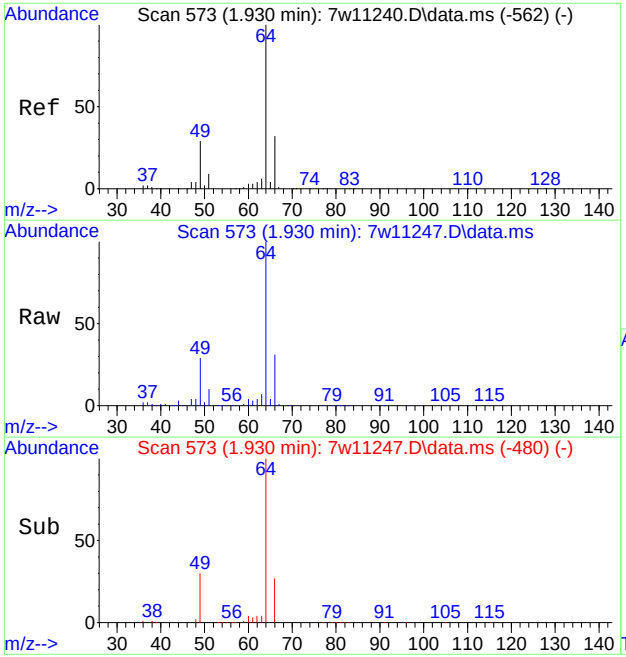


#14
BROMOMETHANE
Concen: 10.82 PPBV
RT: 1.882 min Scan# 558
Delta R.T. 0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 94 Resp: 103865

Ion	Ratio	Lower	Upper
94	100		
96	93.6	66.1	122.7
95	14.1	9.9	18.5

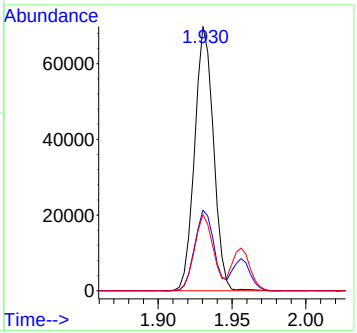


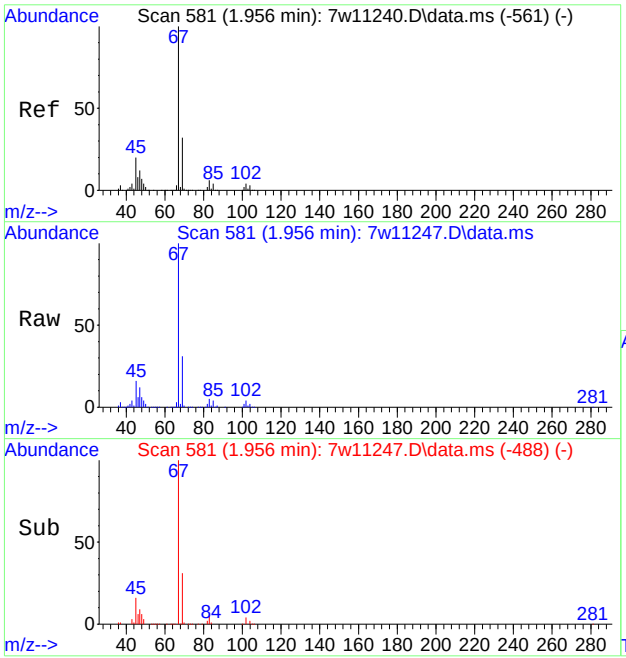


#15
CHLOROETHANE
Concen: 10.66 PPBV
RT: 1.930 min Scan# 573
Delta R.T. 0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 64 Resp: 61928

Ion	Ratio	Lower	Upper
64	100		
66	31.8	23.0	42.8
49	29.5	20.9	38.9

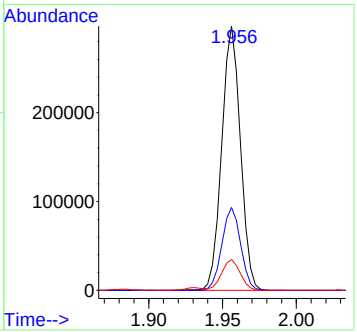


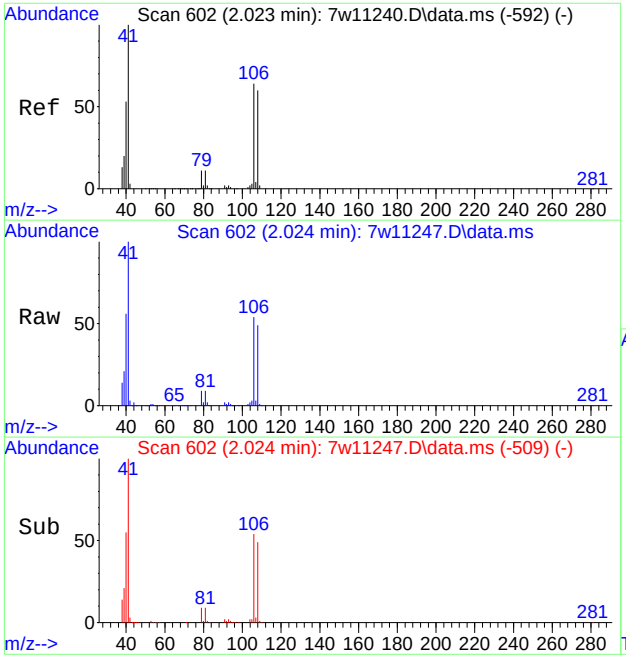


#16
DICHLOROFLUOROMETHANE
Concen: 11.51 PPBV
RT: 1.956 min Scan# 581
Delta R.T. 0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 67 Resp: 260538

Ion	Ratio	Lower	Upper
67	100		
69	31.5	22.0	40.8
47	12.7	9.0	16.6

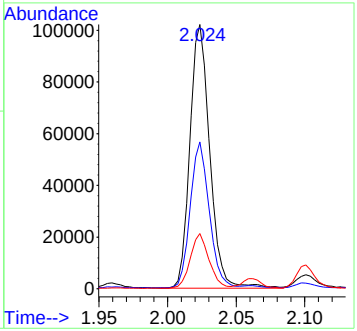


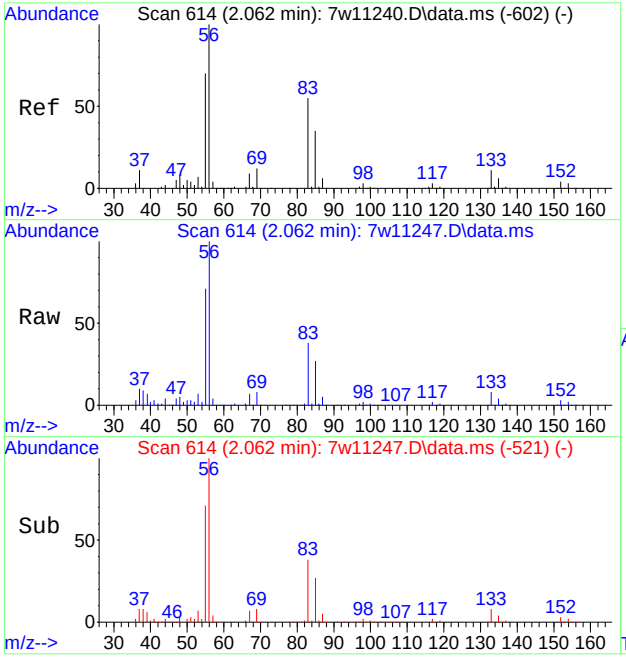


#17
ACETONITRILE
Concen: 9.97 PPBV
RT: 2.024 min Scan# 602
Delta R.T. 0.001 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 41 Resp: 102868

Ion	Ratio	Lower	Upper
41	100		
40	53.7	37.9	70.5
39	19.7	13.8	25.6

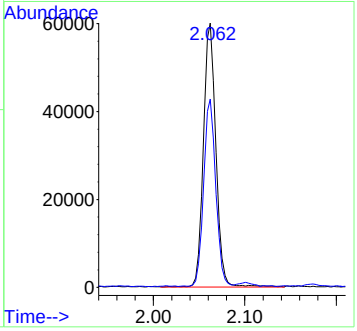


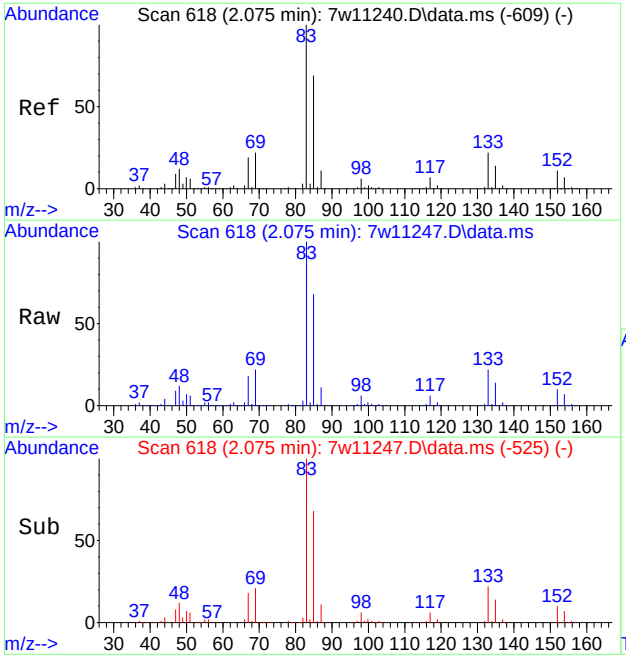


#18
ACROLEIN
Concen: 10.47 PPBV
RT: 2.062 min Scan# 614
Delta R.T. 0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 56 Resp: 56736

Ion	Ratio	Lower	Upper
56	100		
55	69.4	50.3	93.3

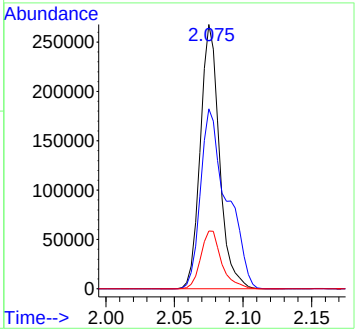


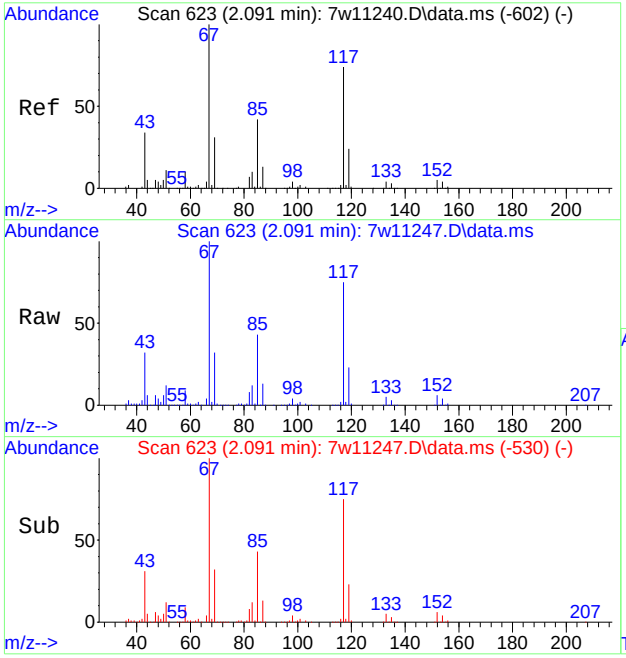


#19
FREON 123
Concen: 10.59 PPBV
RT: 2.075 min Scan# 618
Delta R.T. 0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 83 Resp: 258469

Ion	Ratio	Lower	Upper
83	100		
85	94.1	67.4	125.2
133	23.8	16.6	30.8

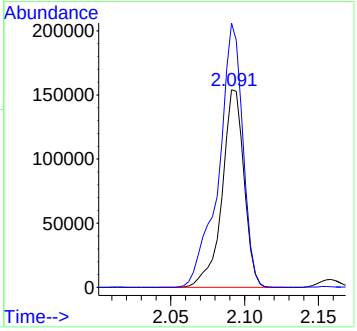


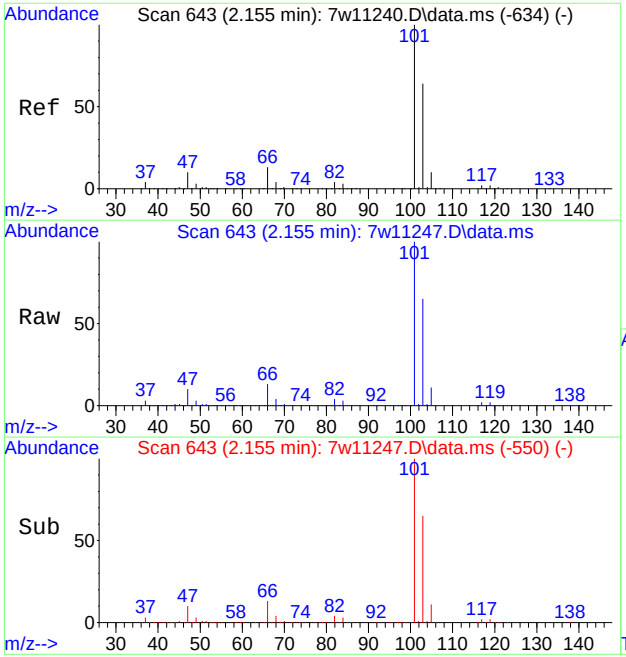


#20
FREON 123A
Concen: 10.43 PPBV
RT: 2.091 min Scan# 623
Delta R.T. 0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion:117 Resp: 158572

Ion	Ratio	Lower	Upper
117	100		
67	146.5	102.0	189.4

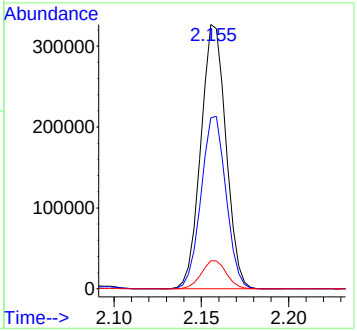


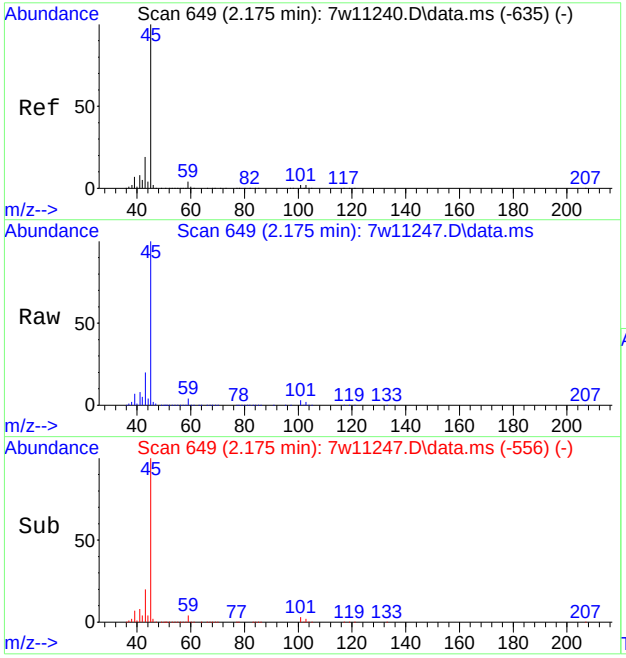


#21
TRICHLOROFLUOROMETHANE
Concen: 11.60 PPBV
RT: 2.155 min Scan# 643
Delta R.T. 0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion:101 Resp: 326972

Ion	Ratio	Lower	Upper
101	100		
103	64.9	44.9	83.5
105	10.7	7.3	13.5

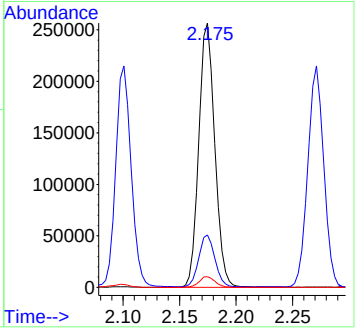


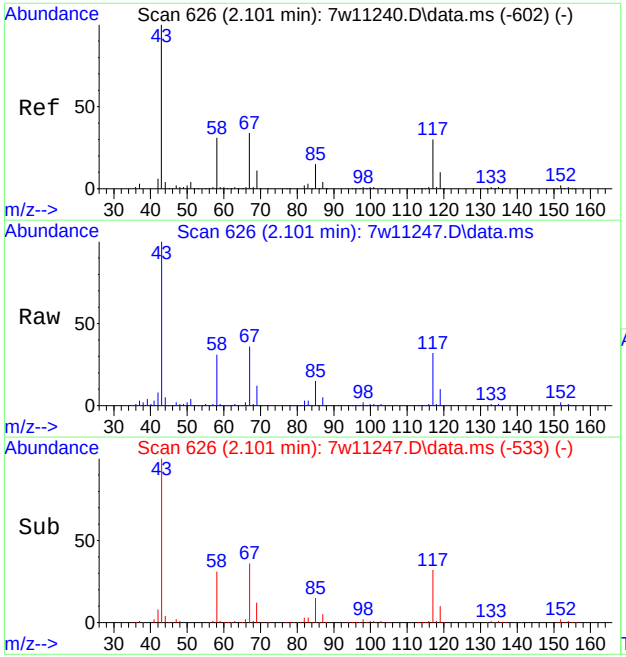


#22
ISOPROPYL ALCOHOL
Concen: 10.61 PPBV
RT: 2.175 min Scan# 649
Delta R.T. -0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 45 Resp: 252254

Ion	Ratio	Lower	Upper
45	100		
43	19.9	13.9	25.9
59	4.1	2.8	5.2

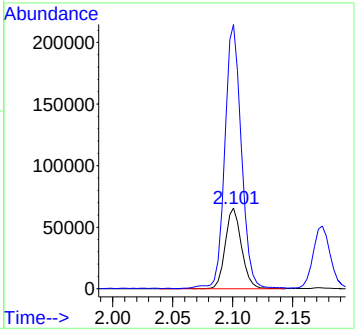


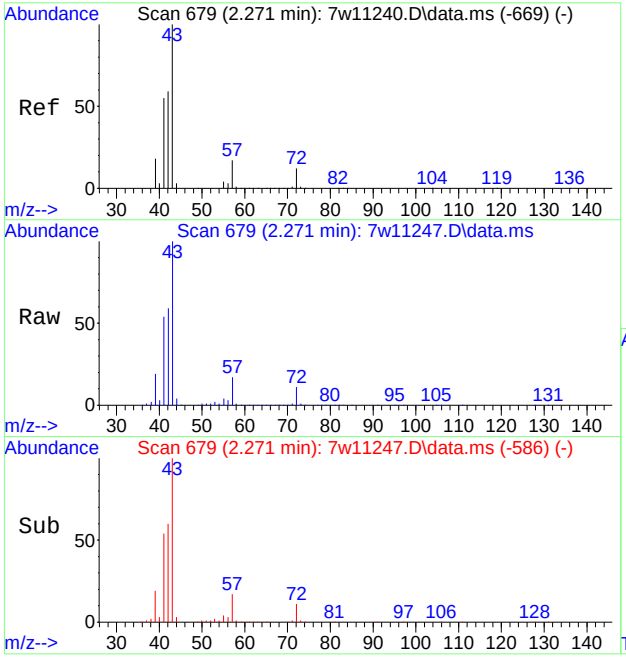


#23
ACETONE
Concen: 8.30 PPBV
RT: 2.101 min Scan# 626
Delta R.T. -0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 58 Resp: 61862

Ion	Ratio	Lower	Upper
58	100		
43	331.5	234.4	435.2

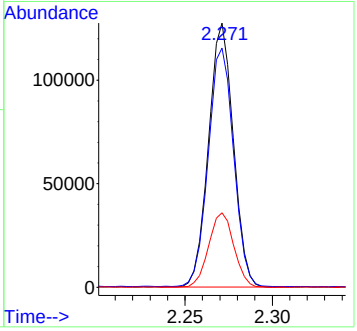


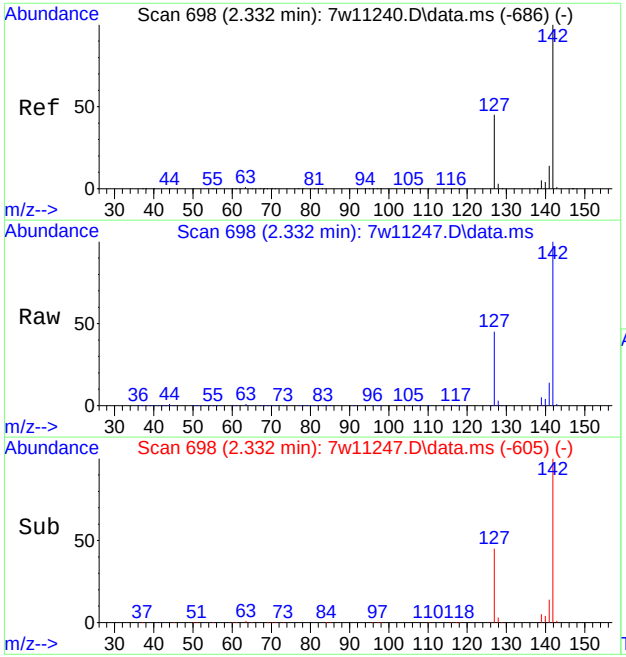


#24
PENTANE
Concen: 11.02 PPBV
RT: 2.271 min Scan# 679
Delta R.T. 0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 42 Resp: 125892

Ion	Ratio	Lower	Upper
42	100		
41	92.7	64.8	120.3
57	28.8	19.7	36.7

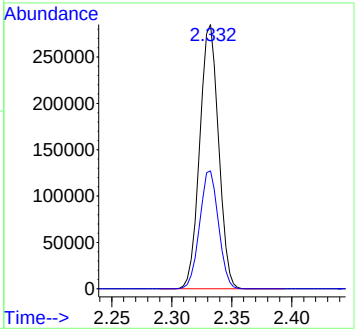


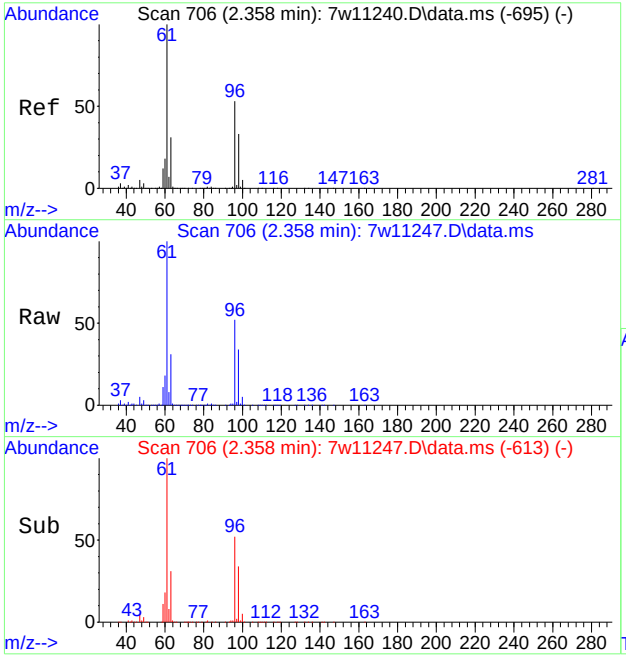


#25
IODOMETHANE
Concen: 12.05 PPBV
RT: 2.332 min Scan# 698
Delta R.T. 0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion:142 Resp: 311082

Ion	Ratio	Lower	Upper
142	100		
127	44.6	31.4	58.2

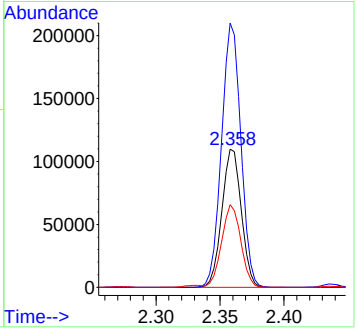


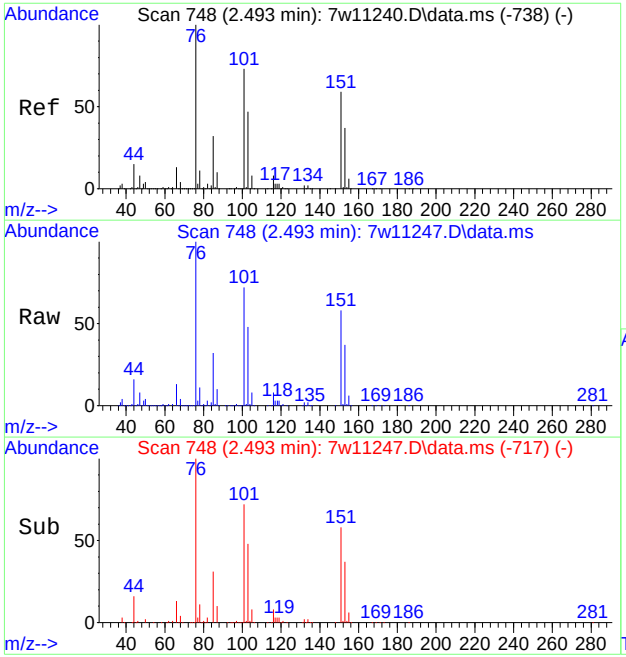


#26
1,1-DICHLOROETHYLENE
Concen: 10.45 PPBV
RT: 2.358 min Scan# 706
Delta R.T. -0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 96 Resp: 116228

Ion	Ratio	Lower	Upper
96	100		
61	189.7	133.0	247.0
63	60.2	42.1	78.1

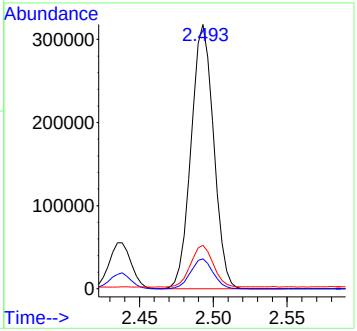


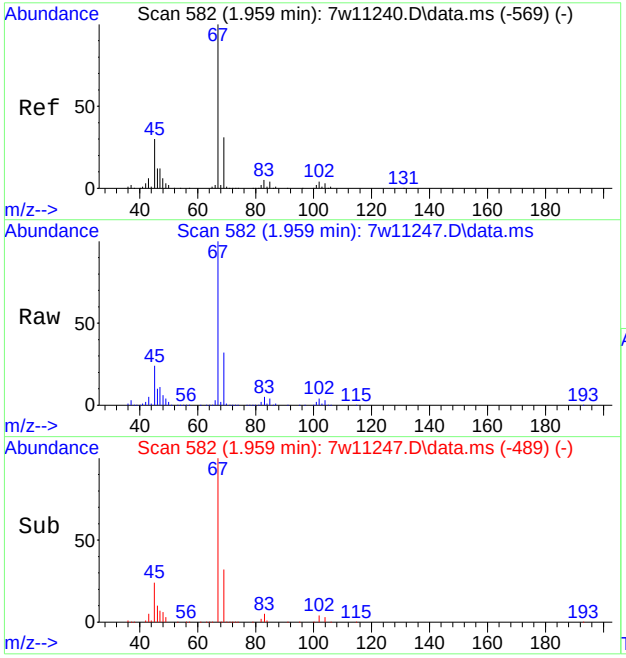


#27
CARBON DISULFIDE
Concen: 12.16 PPBV
RT: 2.493 min Scan# 748
Delta R.T. 0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 76 Resp: 336807

Ion	Ratio	Lower	Upper
76	100		
78	11.3	7.8	14.6
44	15.9	11.3	20.9

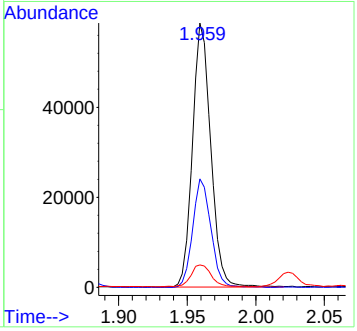


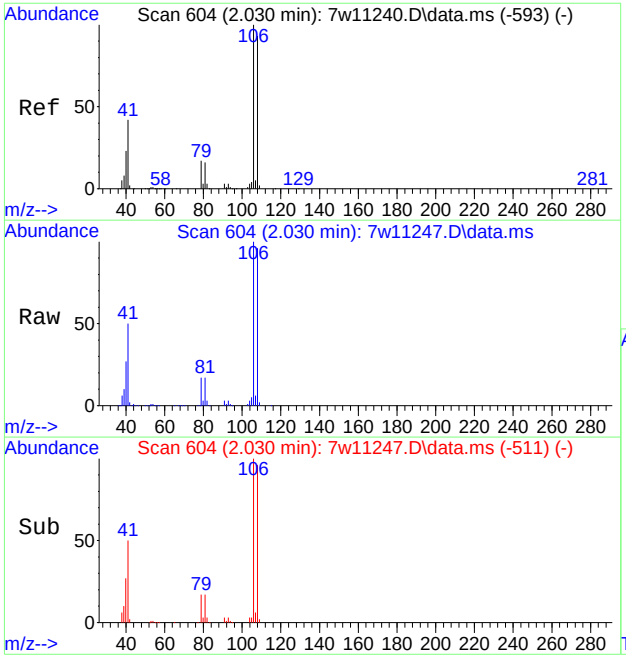


#28
ETHANOL
Concen: 8.36 PPBV
RT: 1.959 min Scan# 582
Delta R.T. 0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 45 Resp: 54389

Ion	Ratio	Lower	Upper
45	100		
46	41.0	28.6	53.0
42	9.4	6.3	11.7

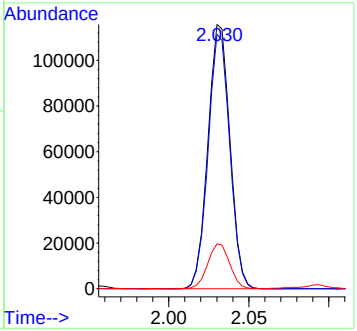


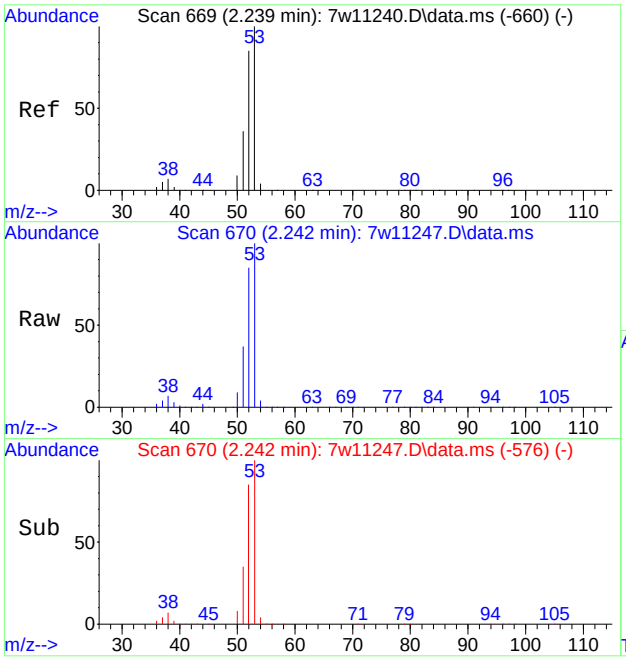


#29
BROMOETHENE
Concen: 10.85 PPBV
RT: 2.030 min Scan# 604
Delta R.T. 0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion:106 Resp: 110904

Ion	Ratio	Lower	Upper
106	100		
108	94.8	65.5	121.7
81	16.9	11.3	20.9

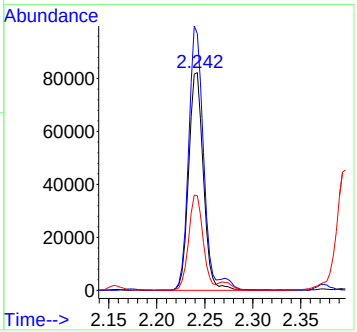


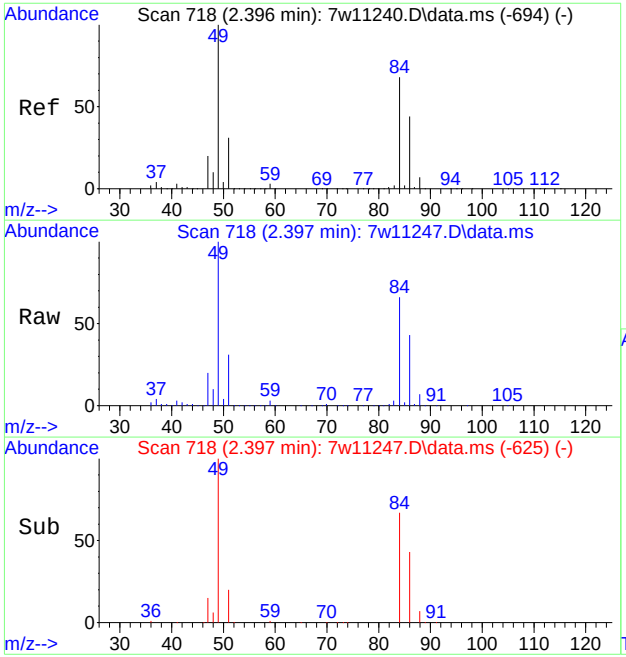


#30
ACRYLONITRILE
Concen: 9.55 PPBV
RT: 2.242 min Scan# 670
Delta R.T. 0.003 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 52 Resp: 88143

Ion	Ratio	Lower	Upper
52	100		
53	123.6	85.2	158.2
51	47.0	32.2	59.8

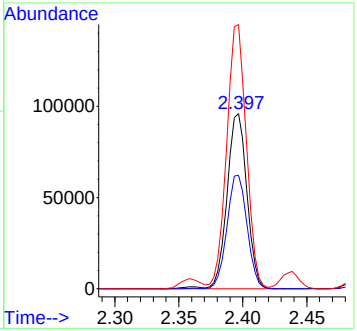


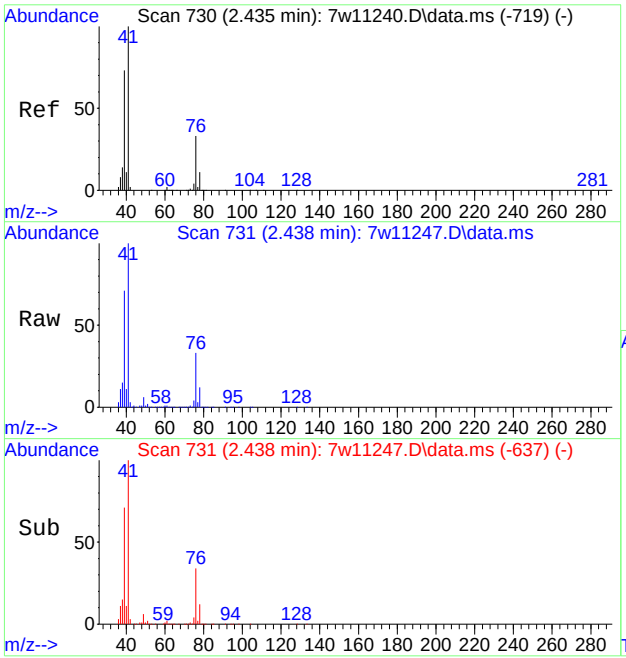


#31
METHYLENE CHLORIDE
Concen: 10.24 PPBV
RT: 2.397 min Scan# 718
Delta R.T. 0.001 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 84 Resp: 104004

Ion	Ratio	Lower	Upper
84	100		
86	65.5	46.0	85.4
49	154.5	103.9	192.9

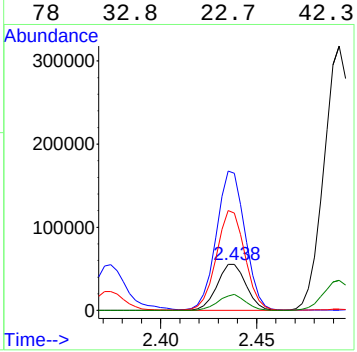


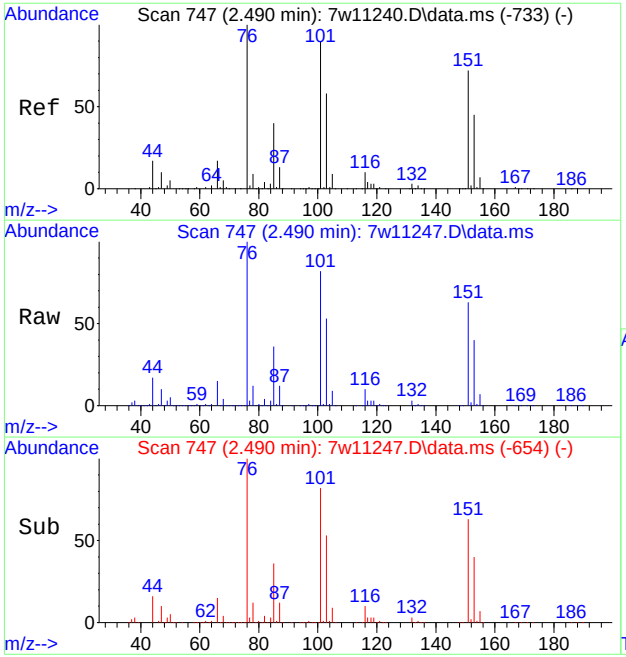


#32
3-CHLOROPROPENE
Concen: 10.99 PPBV
RT: 2.438 min Scan# 731
Delta R.T. 0.003 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 76 Resp: 58086

Ion	Ratio	Lower	Upper
76	100		
41	298.9	211.4	392.6
39	213.0	151.3	281.1
78	32.8	22.7	42.3

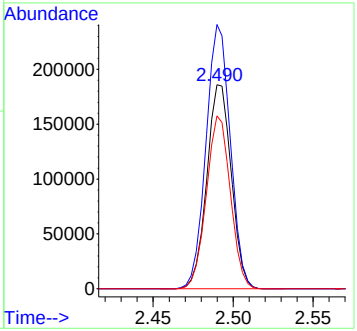


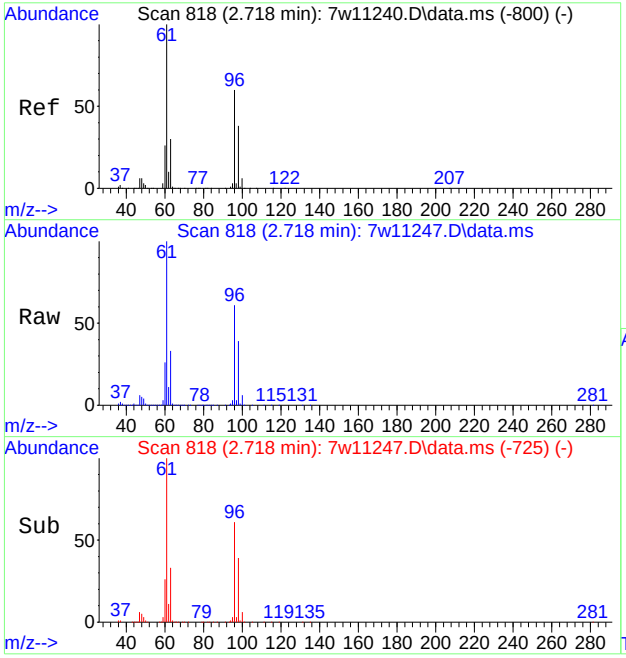


#33
FREON 113
Concen: 11.77 PPBV
RT: 2.490 min Scan# 747
Delta R.T. -0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion:151 Resp: 198243

Ion	Ratio	Lower	Upper
151	100		
101	128.2	89.3	165.9
103	83.0	57.5	106.9

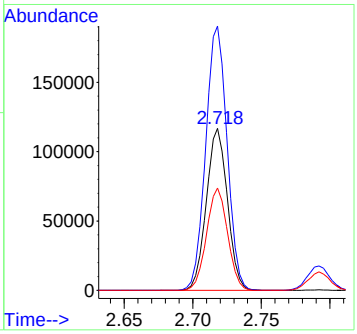


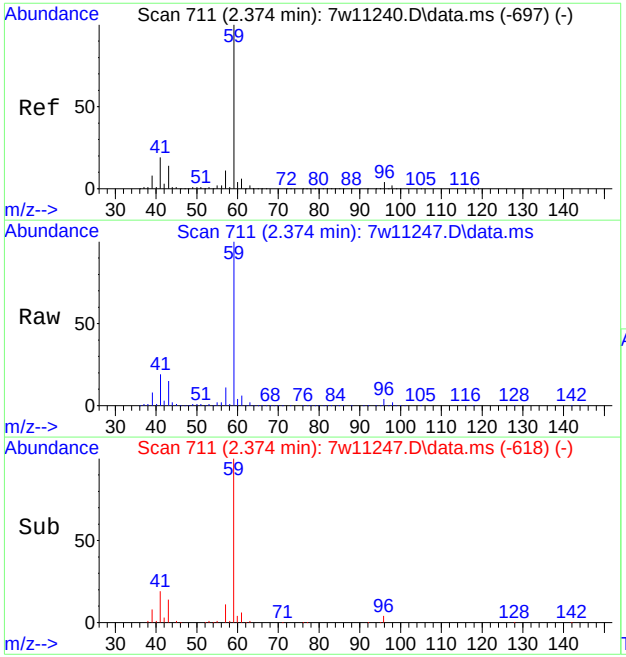


#34
TRANS-1,2-DICHLOROETHENE
Concen: 10.79 PPBV
RT: 2.718 min Scan# 818
Delta R.T. 0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 96 Resp: 124974

Ion	Ratio	Lower	Upper
96	100		
61	165.1	116.2	215.8
98	63.1	44.2	82.2

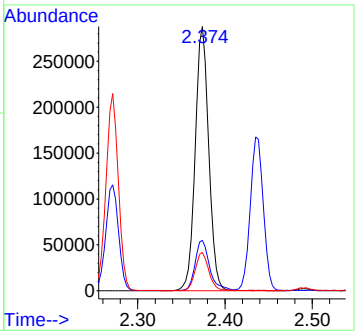


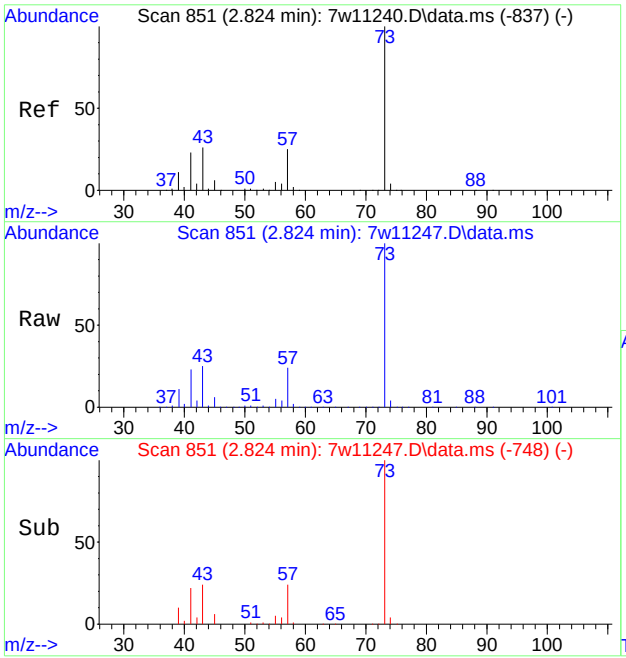


#35
TERTIARY BUTYL ALCOHOL
Concen: 11.34 PPBV
RT: 2.374 min Scan# 711
Delta R.T. 0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 59 Resp: 310048

Ion	Ratio	Lower	Upper
59	100		
41	20.1	14.3	26.5
43	14.3	9.9	18.5

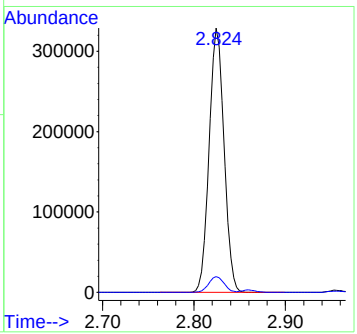


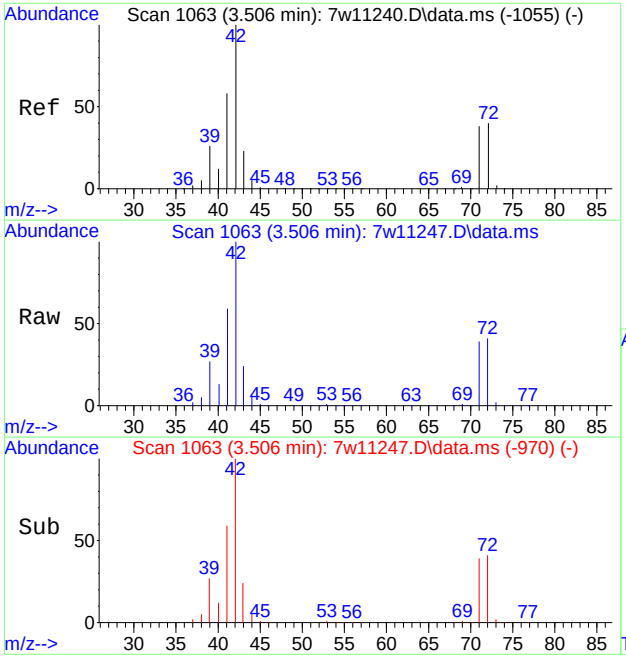


#36
METHYL TERTIARY BUTYL ETHER
Concen: 11.23 PPBV
RT: 2.824 min Scan# 851
Delta R.T. 0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 73 Resp: 371996

Ion	Ratio	Lower	Upper
73	100		
45	6.2	4.5	8.3

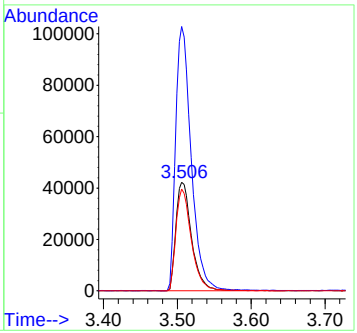


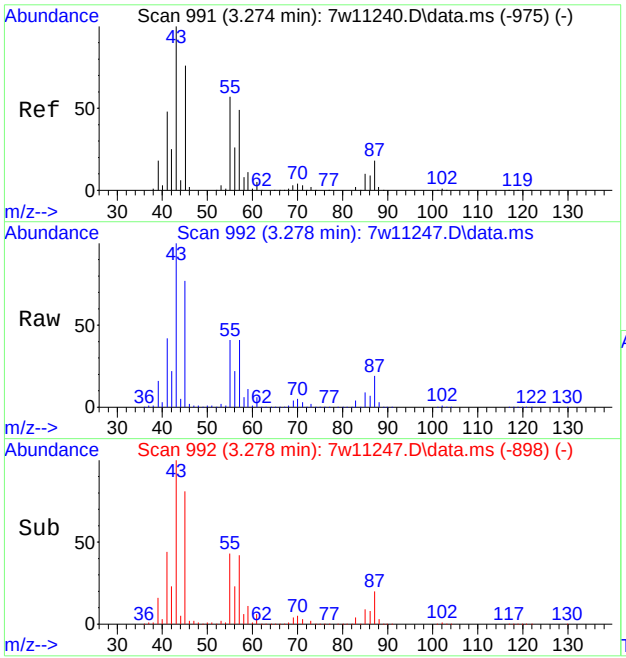


#37
TETRAHYDROFURAN
Concen: 12.21 PPBV
RT: 3.506 min Scan# 1063
Delta R.T. -0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 72 Resp: 62673

Ion	Ratio	Lower	Upper
72	100		
42	240.5	174.9	324.9
71	92.1	67.2	124.8

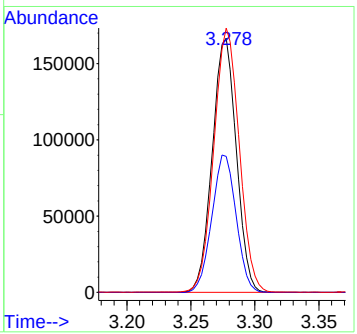


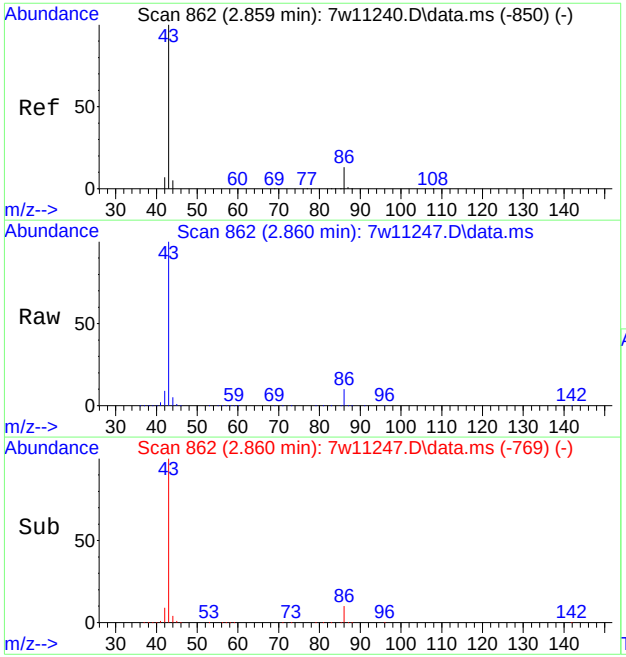


#38
HEXANE
Concen: 10.33 PPBV
RT: 3.278 min Scan# 992
Delta R.T. 0.004 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 57 Resp: 218344

Ion	Ratio	Lower	Upper
57	100		
56	54.5	37.8	70.2
41	109.6	75.9	140.9

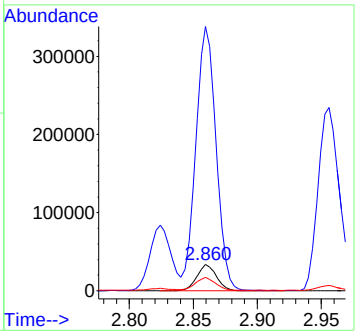


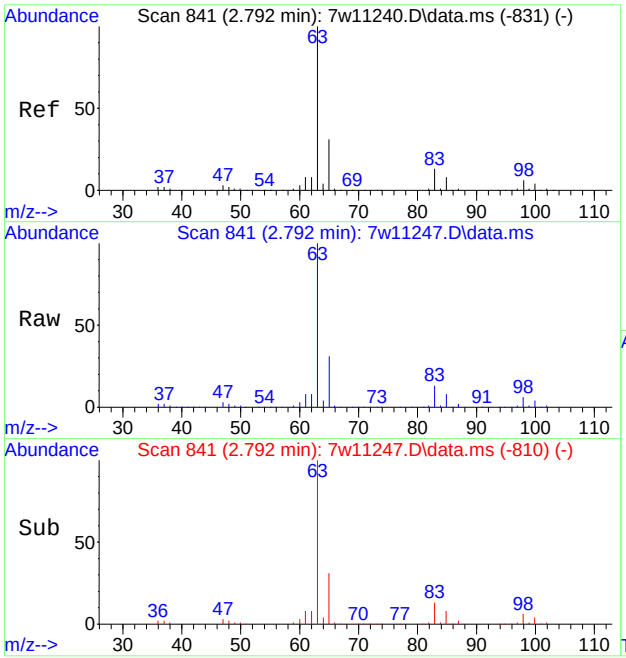


#39
VINYL ACETATE
Concen: 11.38 PPBV
RT: 2.860 min Scan# 862
Delta R.T. 0.001 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 86 Resp: 35662

Ion	Ratio	Lower	Upper
86	100		
43	1050.0	719.4	1336.0
44	50.1	34.6	64.2

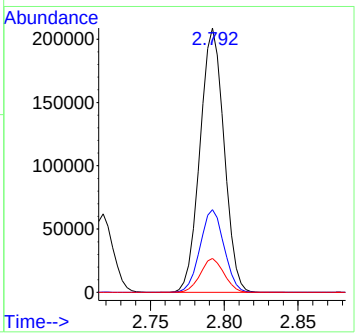


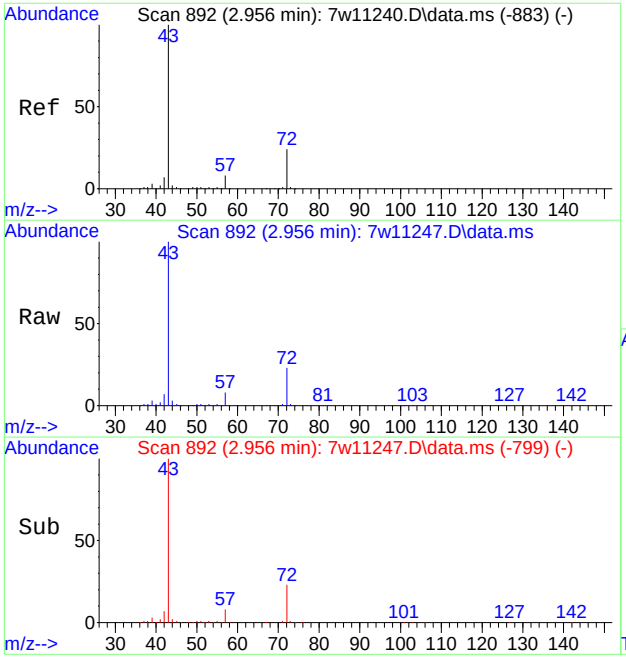


#40
1,1-DICHLOROETHANE
Concen: 11.36 PPBV
RT: 2.792 min Scan# 841
Delta R.T. 0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 63 Resp: 235369

Ion	Ratio	Lower	Upper
63	100		
65	31.2	21.7	40.3
83	12.7	8.9	16.5

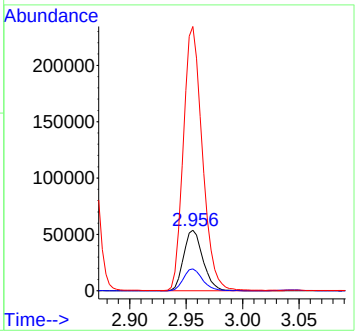


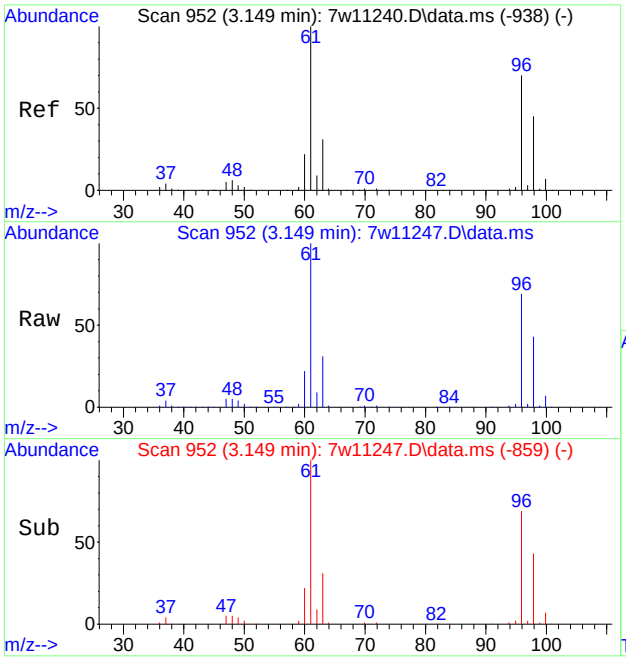


#41
METHYL ETHYL KETONE
Concen: 11.26 PPBV
RT: 2.956 min Scan# 892
Delta R.T. 0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 72 Resp: 64179

Ion	Ratio	Lower	Upper
72	100		
57	36.0	25.3	46.9
43	430.7	299.6	556.4

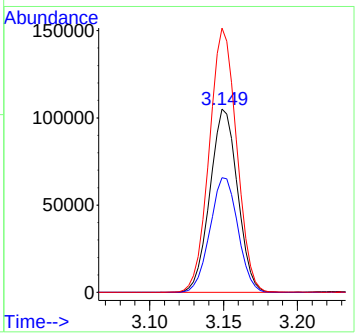


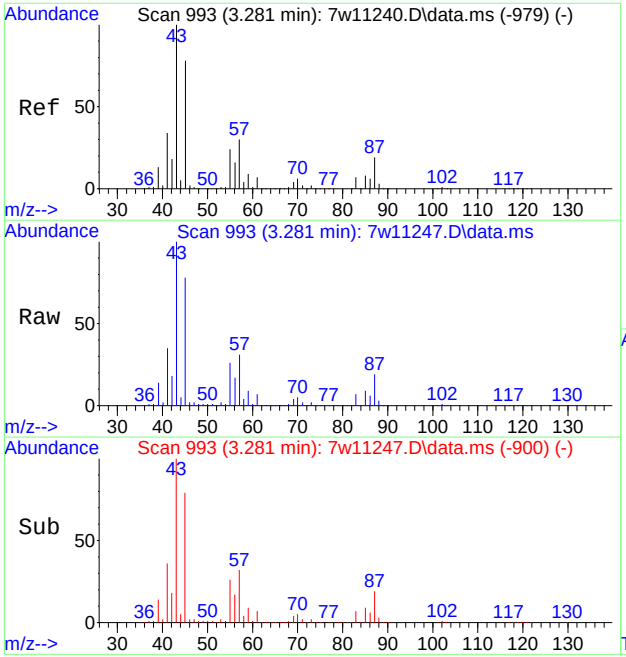


#42
CIS-1,2-DICHLOROETHENE
Concen: 11.43 PPBV
RT: 3.149 min Scan# 952
Delta R.T. -0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 96 Resp: 136309

Ion	Ratio	Lower	Upper
96	100		
98	63.4	44.8	83.2
61	142.9	100.0	185.8

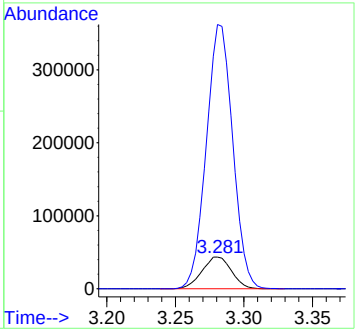


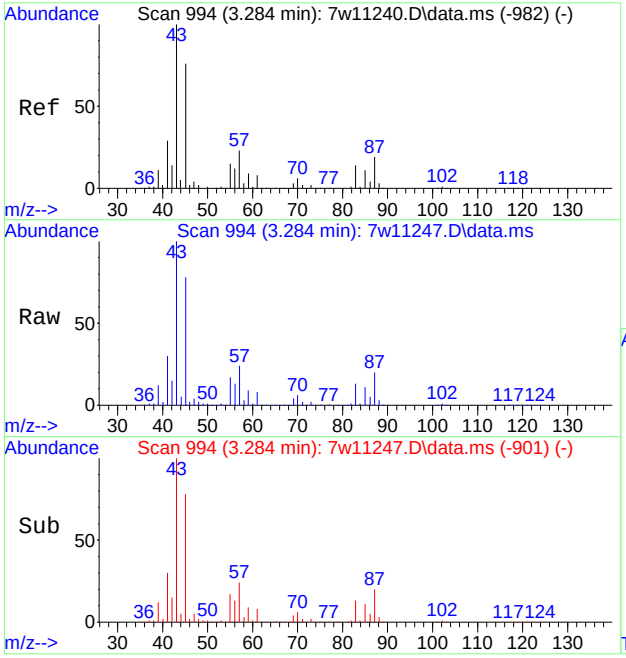


#43
DIISOPROPYL ETHER
Concen: 11.11 PPBV
RT: 3.281 min Scan# 993
Delta R.T. -0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 59 Resp: 65035

Ion	Ratio	Lower	Upper
59	100		
45	747.0	532.8	989.6

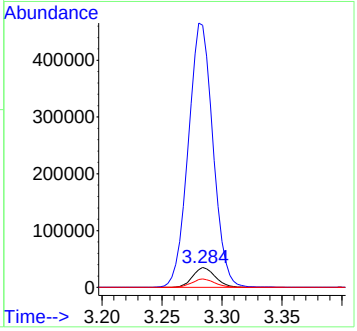


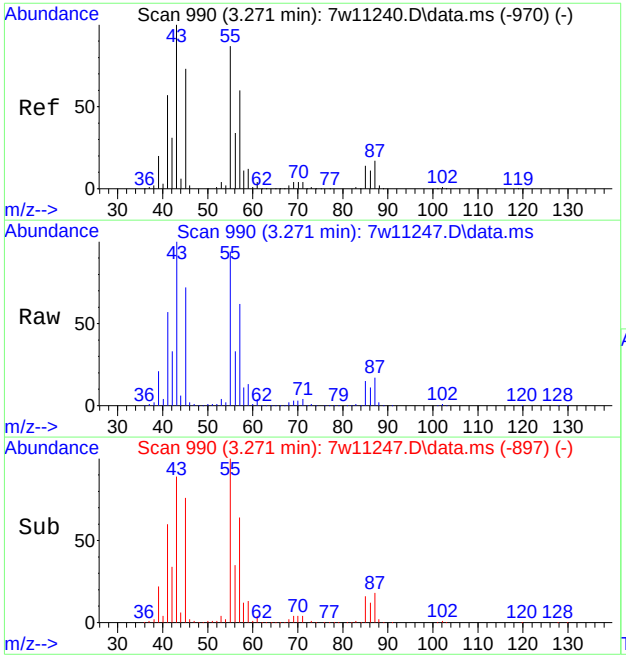


#44
ETHYL ACETATE
Concen: 11.36 PPBV
RT: 3.284 min Scan# 994
Delta R.T. -0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 61 Resp: 45987

Ion	Ratio	Lower	Upper
61	100		
43	1447.1	1005.1	1866.5
88	43.0	29.3	54.5

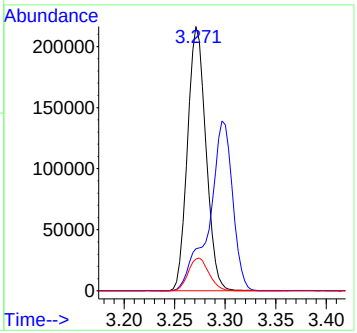


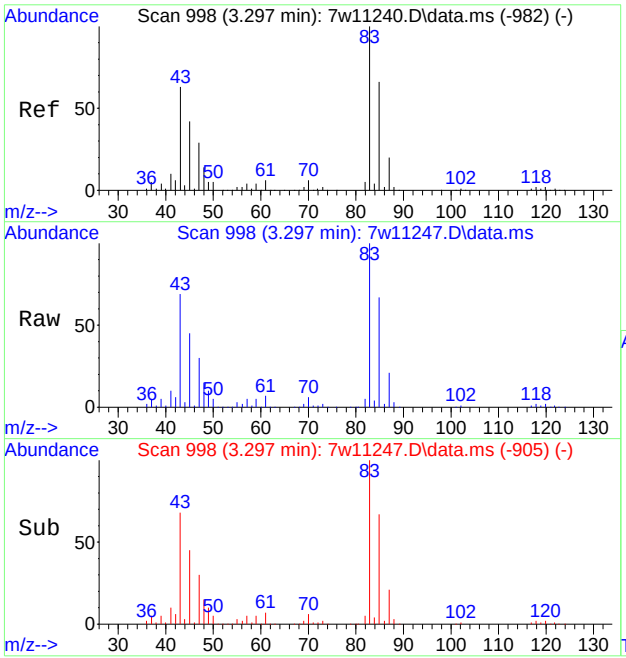


#45
METHYL ACRYLATE
Concen: 11.61 PPBV
RT: 3.271 min Scan# 990
Delta R.T. 0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 55 Resp: 275665

Ion	Ratio	Lower	Upper
55	100		
85	0.0	0.0	0.0
58	13.8	9.8	18.2

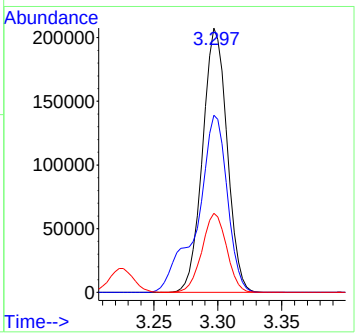


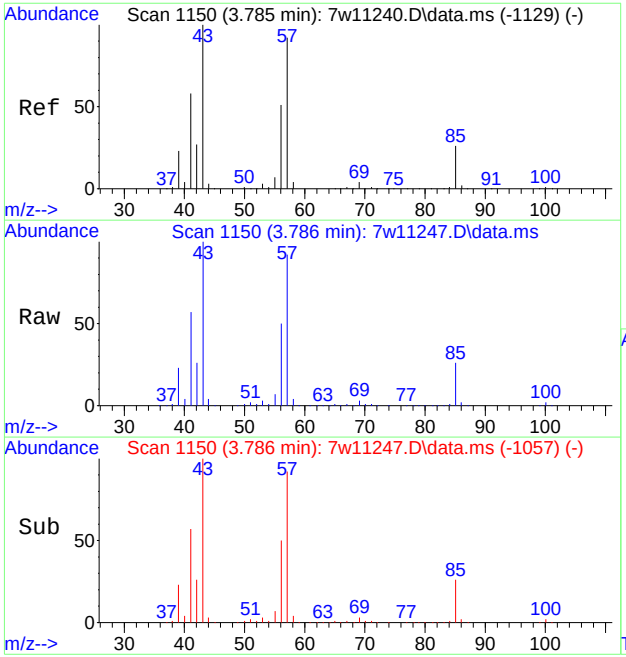


#46
CHLOROFORM
Concen: 11.77 PPBV
RT: 3.297 min Scan# 998
Delta R.T. -0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 83 Resp: 276173

Ion	Ratio	Lower	Upper
83	100		
85	81.6	57.0	105.9
47	30.1	20.9	38.7

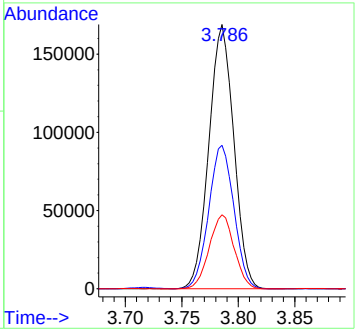


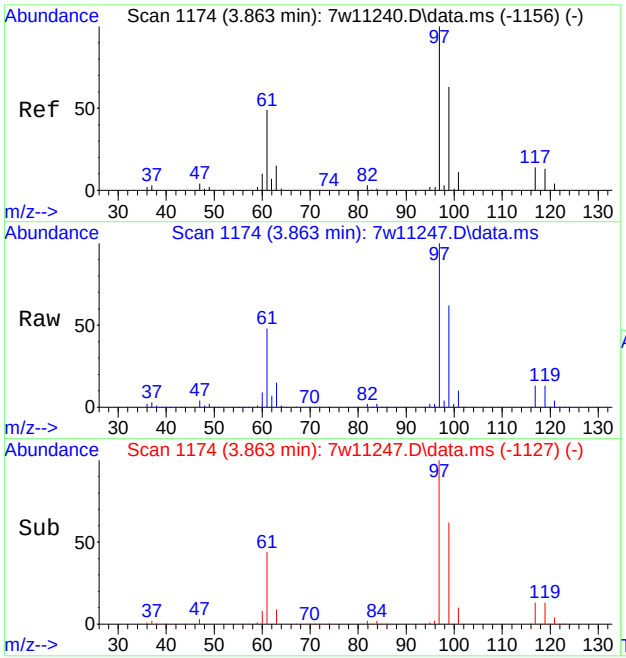


#47
2,4-DIMETHYLPENTANE
Concen: 11.06 PPBV
RT: 3.786 min Scan# 1150
Delta R.T. 0.001 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 57 Resp: 258551

Ion	Ratio	Lower	Upper
57	100		
56	55.0	38.4	71.2
85	28.1	19.1	35.5

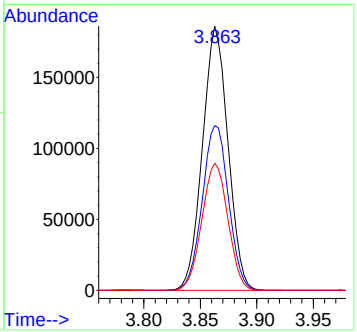


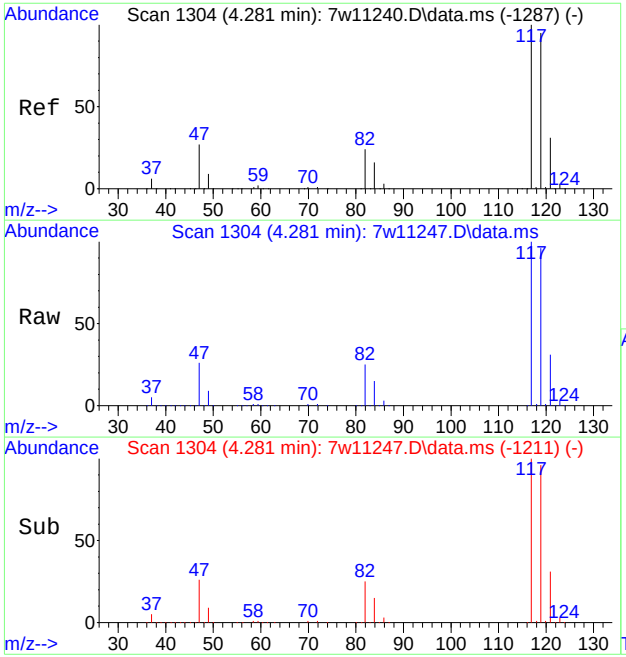


#48
1,1,1-TRICHLOROETHANE
Concen: 11.59 PPBV
RT: 3.863 min Scan# 1174
Delta R.T. -0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 97 Resp: 291531

Ion	Ratio	Lower	Upper
97	100		
99	64.4	45.1	83.9
61	49.2	34.2	63.6

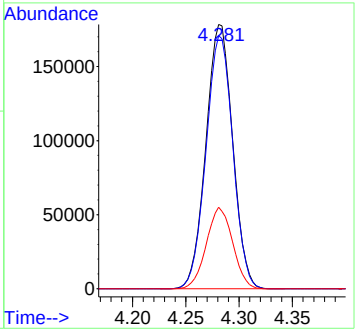


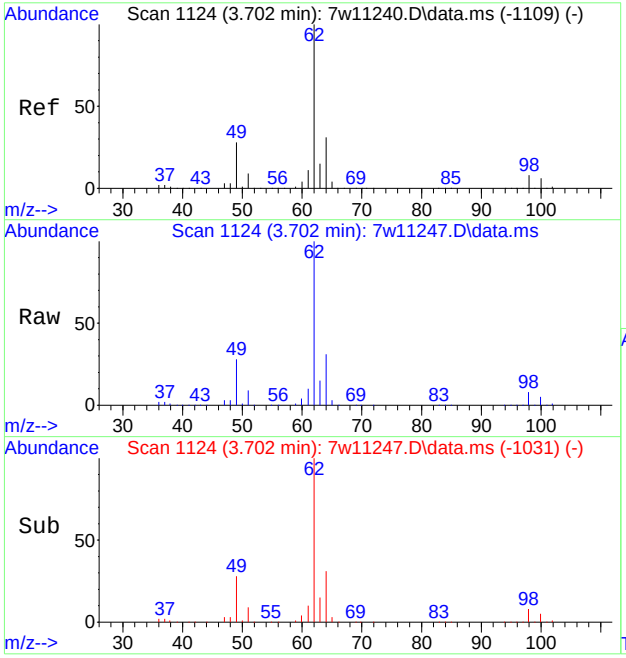


#49
CARBON TETRACHLORIDE
Concen: 12.49 PPBV
RT: 4.281 min Scan# 1304
Delta R.T. -0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion:117 Resp: 311447

Ion	Ratio	Lower	Upper
117	100		
119	95.9	66.8	124.2
121	30.4	21.4	39.8

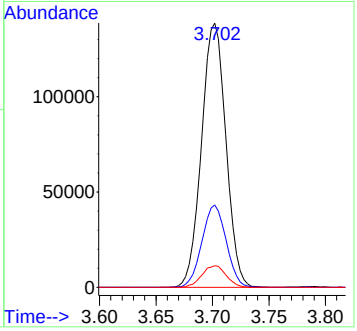


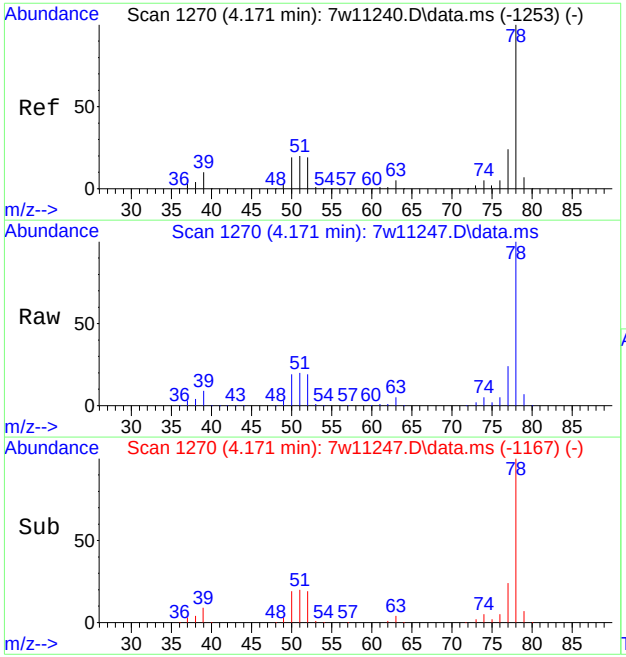


#50
1,2-DICHLOROETHANE
Concen: 11.83 PPBV
RT: 3.702 min Scan# 1124
Delta R.T. -0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 62 Resp: 207686

Ion	Ratio	Lower	Upper
62	100		
64	31.1	21.9	40.7
98	8.3	5.6	10.4

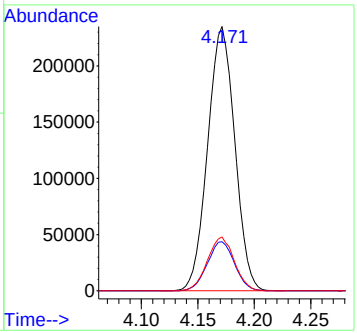


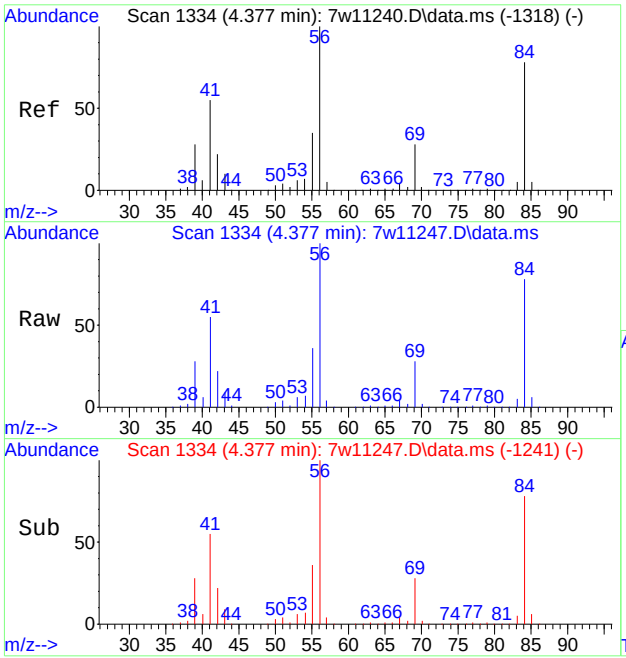


#51
BENZENE
Concen: 11.43 PPBV
RT: 4.171 min Scan# 1270
Delta R.T. 0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 78 Resp: 391655

Ion	Ratio	Lower	Upper
78	100		
52	18.6	0.0	48.9
51	20.1	0.0	50.2

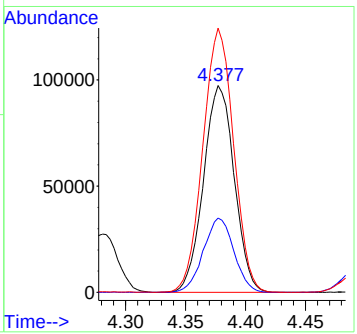


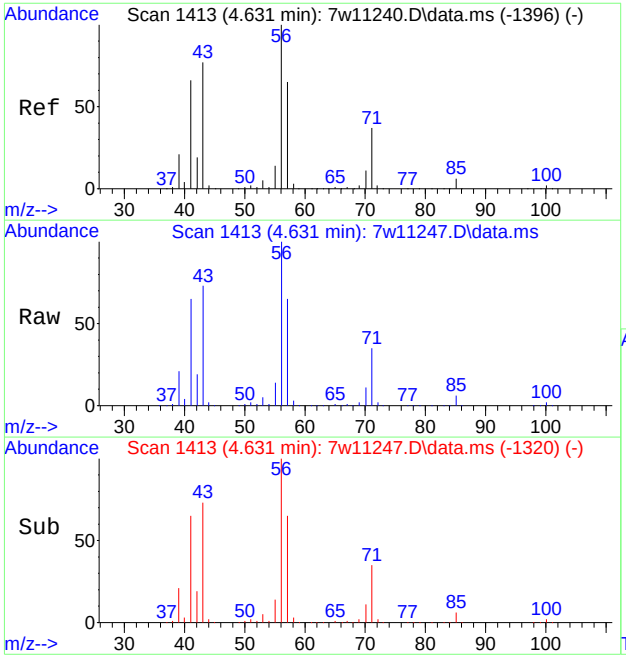


#53
CYCLOHEXANE
Concen: 11.40 PPBV
RT: 4.377 min Scan# 1334
Delta R.T. 0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 84 Resp: 173685

Ion	Ratio	Lower	Upper
84	100		
69	35.7	24.8	46.0
56	127.6	89.8	166.8

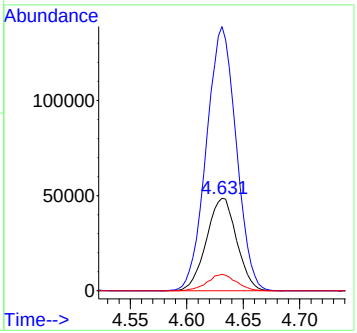


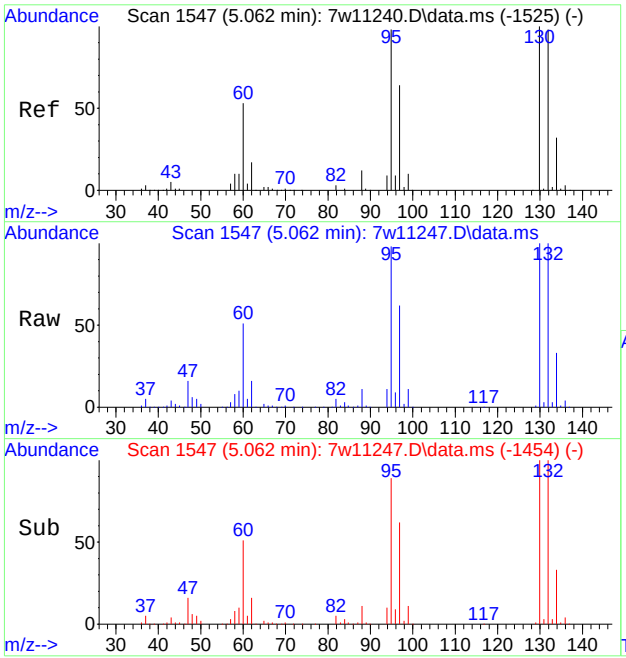


#54
2,3-DIMETHYLPENTANE
Concen: 11.29 PPBV
RT: 4.631 min Scan# 1413
Delta R.T. 0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 71 Resp: 90324

Ion	Ratio	Lower	Upper
71	100		
56	281.4	199.6	370.8
85	17.1	12.1	22.5

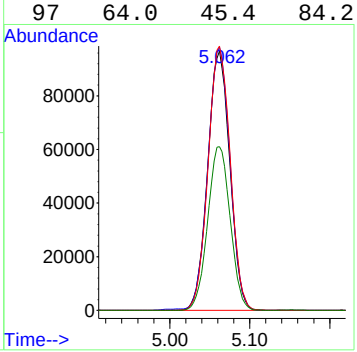


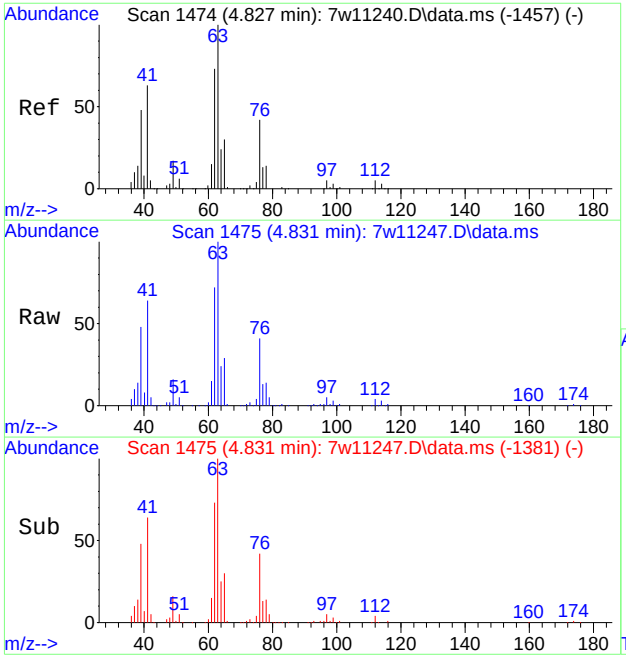


#55
TRICHLOROETHENE
Concen: 11.35 PPBV
RT: 5.062 min Scan# 1547
Delta R.T. 0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 95 Resp: 186131

Ion	Ratio	Lower	Upper
95	100		
130	102.0	72.8	135.2
132	101.8	71.9	133.5
97	64.0	45.4	84.2

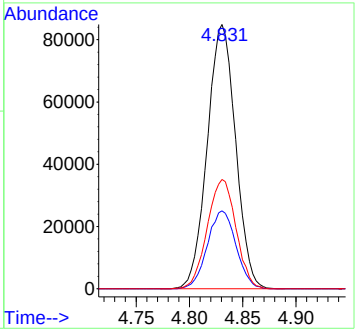


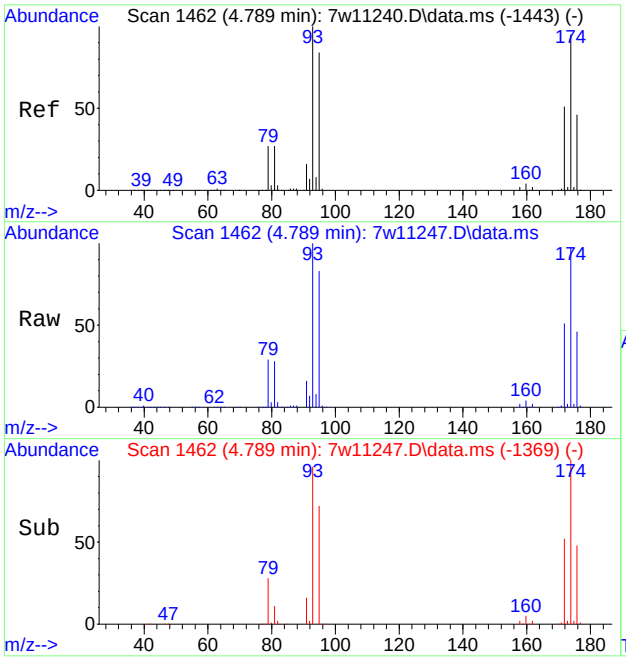


#56
1,2-DICHLOROPROPANE
Concen: 11.21 PPBV
RT: 4.831 min Scan# 1475
Delta R.T. 0.004 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 63 Resp: 156847

Ion	Ratio	Lower	Upper
63	100		
65	29.9	21.2	39.4
76	41.9	29.6	55.0

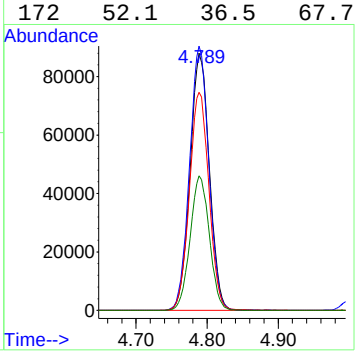


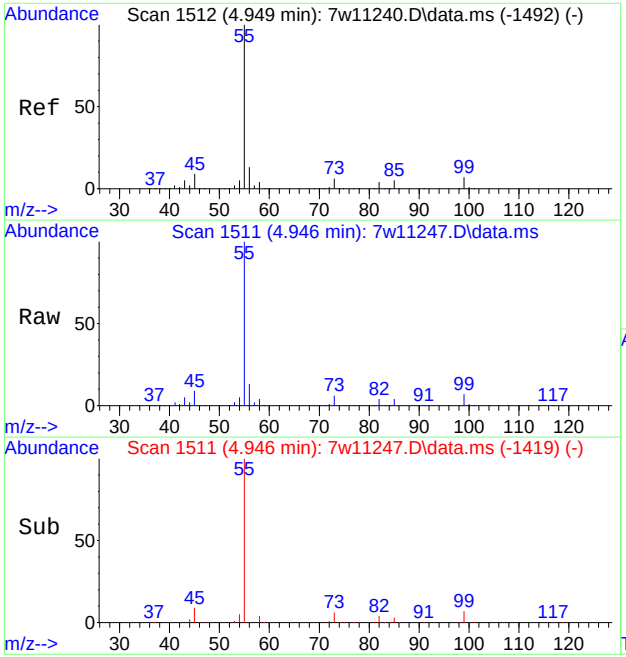


#57
DIBROMOMETHANE
Concen: 10.76 PPBV
RT: 4.789 min Scan# 1462
Delta R.T. -0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion:174 Resp: 165870

Ion	Ratio	Lower	Upper
174	100		
93	102.6	72.0	133.6
95	85.8	59.7	110.9
172	52.1	36.5	67.7

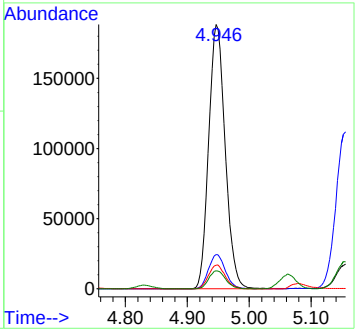


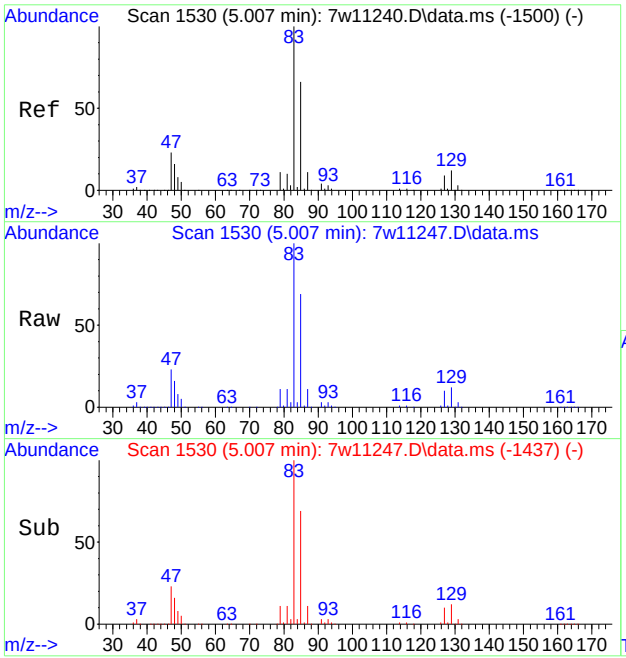


#58
ETHYL ACRYLATE
Concen: 11.73 PPBV
RT: 4.946 min Scan# 1511
Delta R.T. -0.003 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 55 Resp: 348773

Ion	Ratio	Lower	Upper
55	100		
56	13.2	9.1	16.9
45	9.2	6.4	12.0
99	6.9	4.8	9.0

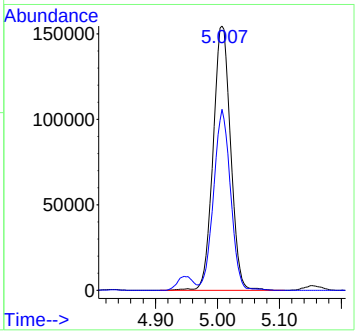


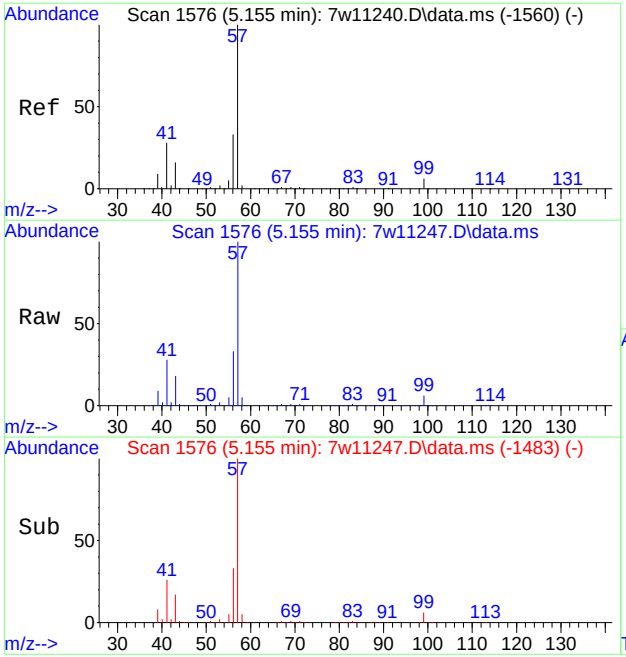


#59
BROMODICHLOROMETHANE
Concen: 11.65 PPBV
RT: 5.007 min Scan# 1530
Delta R.T. 0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 83 Resp: 304404

Ion	Ratio	Lower	Upper
83	100		
85	66.5	45.8	85.2

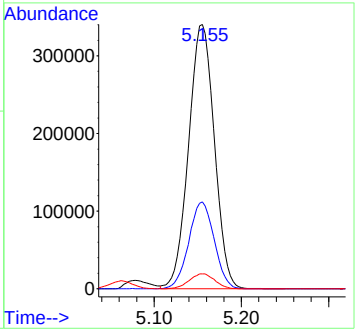


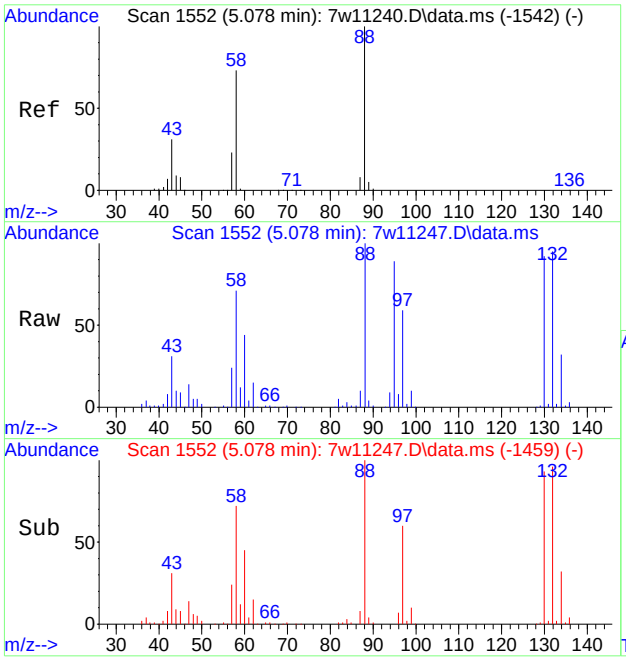


#60
2,2,4-TRIMETHYLPENTANE
Concen: 11.28 PPBV
RT: 5.155 min Scan# 1576
Delta R.T. 0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 57 Resp: 699924

Ion	Ratio	Lower	Upper
57	100		
56	32.4	22.7	42.1
99	5.6	3.9	7.3

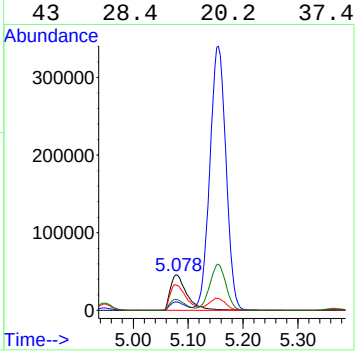


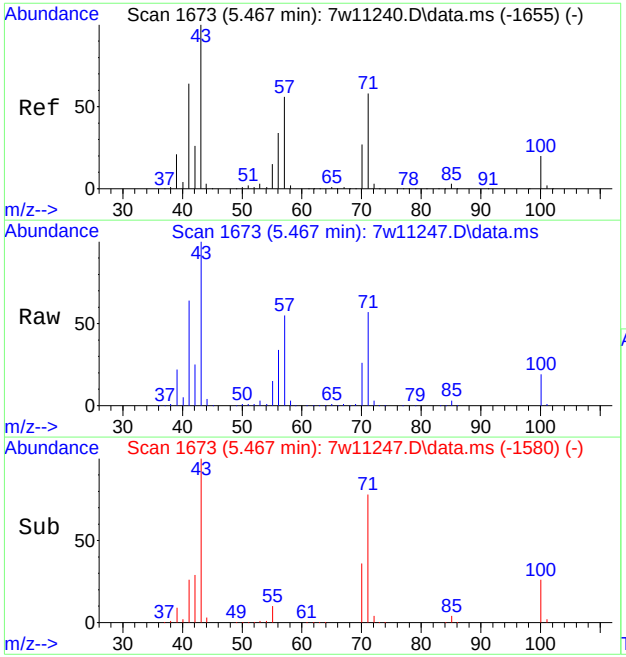


#61
1,4-DIOXANE
Concen: 10.66 PPBV
RT: 5.078 min Scan# 1552
Delta R.T. 0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 88 Resp: 97454

Ion	Ratio	Lower	Upper
88	100		
57	21.5	15.0	27.8
58	70.2	50.0	92.8
43	28.4	20.2	37.4

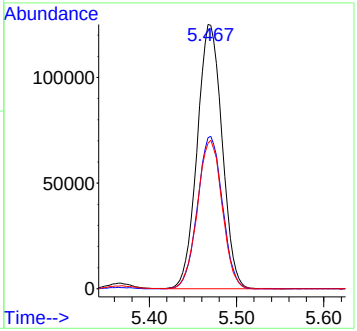


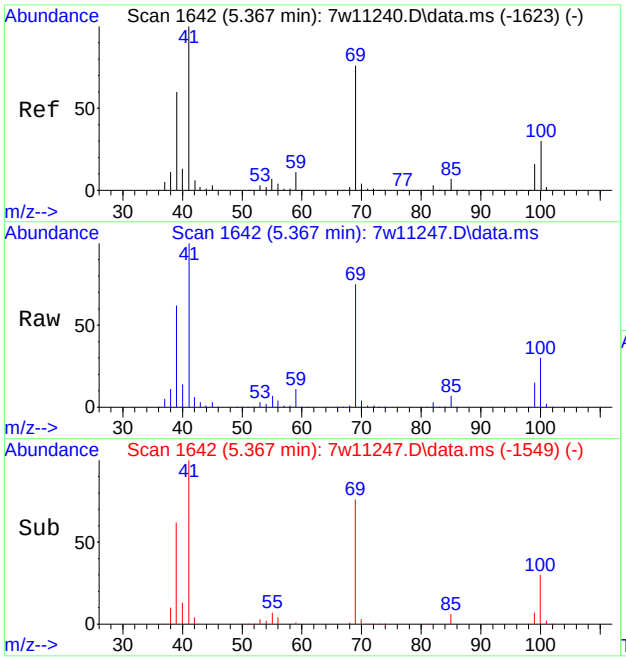


#62
HEPTANE
Concen: 11.40 PPBV
RT: 5.467 min Scan# 1673
Delta R.T. 0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 43 Resp: 248482

Ion	Ratio	Lower	Upper
43	100		
71	57.5	40.0	74.4
57	56.0	38.9	72.2

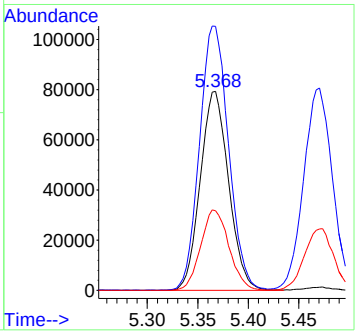


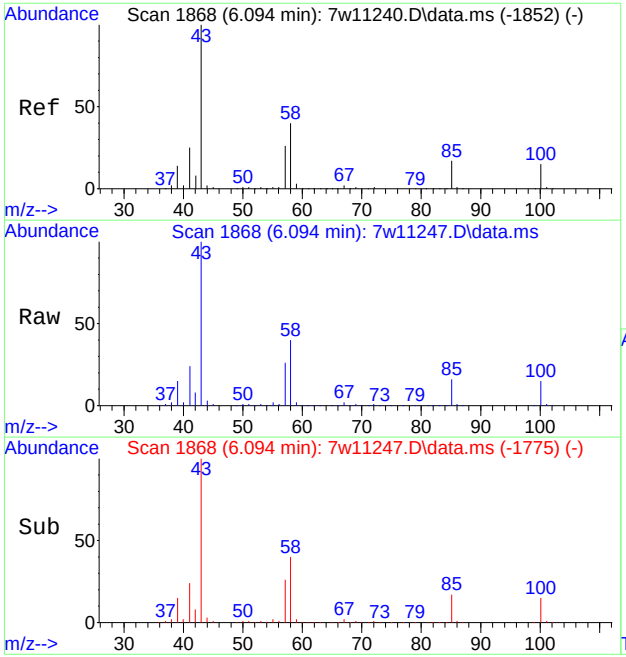


#63
METHYL METHACRYLATE
Concen: 11.06 PPBV
RT: 5.367 min Scan# 1642
Delta R.T. 0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 69 Resp: 154917

Ion	Ratio	Lower	Upper
69	100		
41	135.7	95.5	177.4
100	40.4	28.3	52.7

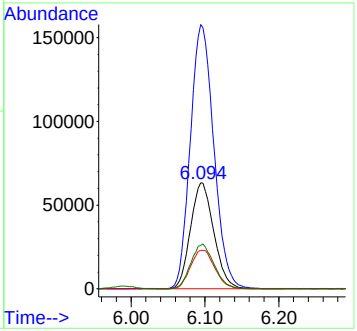


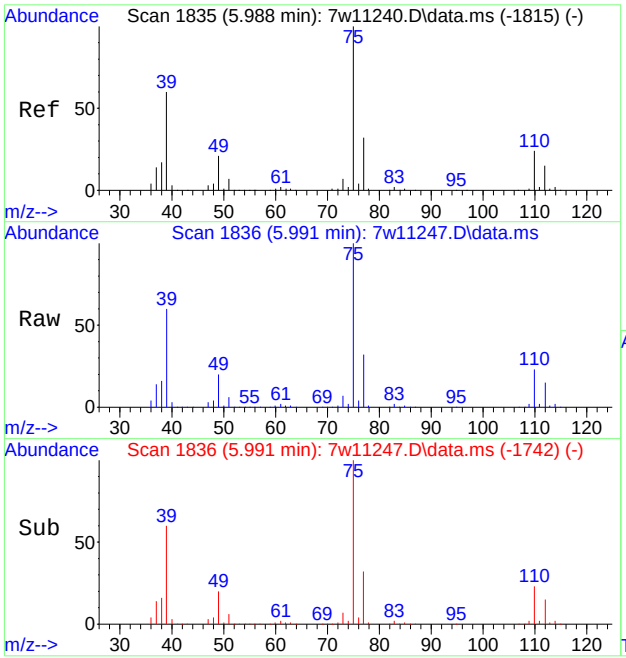


#64
METHYL ISOBUTYL KETONE
Concen: 10.68 PPBV
RT: 6.094 min Scan# 1868
Delta R.T. 0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 58 Resp: 139000

Ion	Ratio	Lower	Upper
58	100		
43	250.4	175.8	326.4
100	37.8	26.9	49.9
85	42.3	29.5	54.9

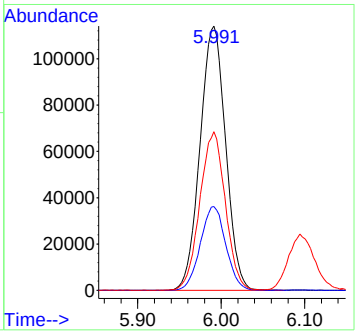


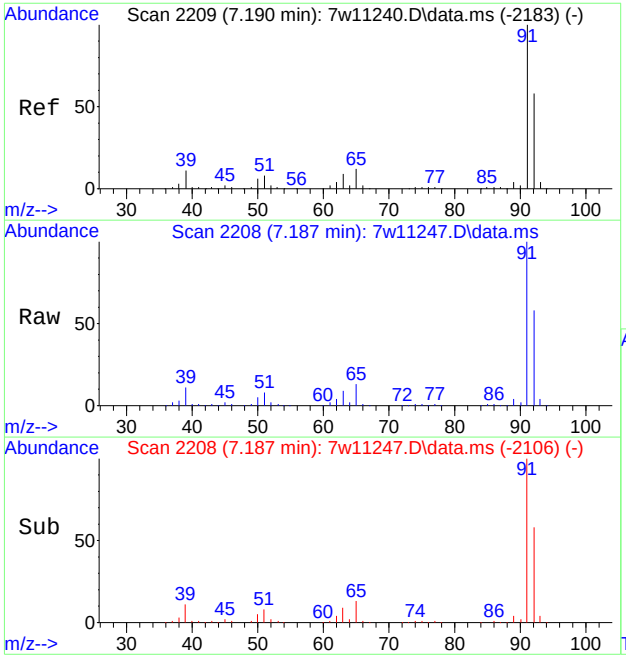


#65
CIS-1,3-DICHLOROPROPENE
Concen: 11.10 PPBV
RT: 5.991 min Scan# 1836
Delta R.T. 0.003 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 75 Resp: 243164

Ion	Ratio	Lower	Upper
75	100		
77	31.6	22.1	41.1
39	59.8	41.4	77.0

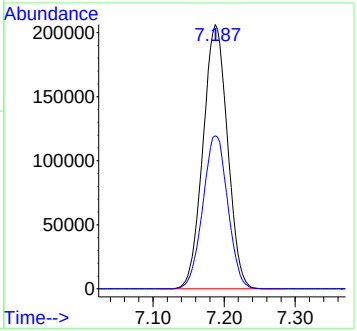


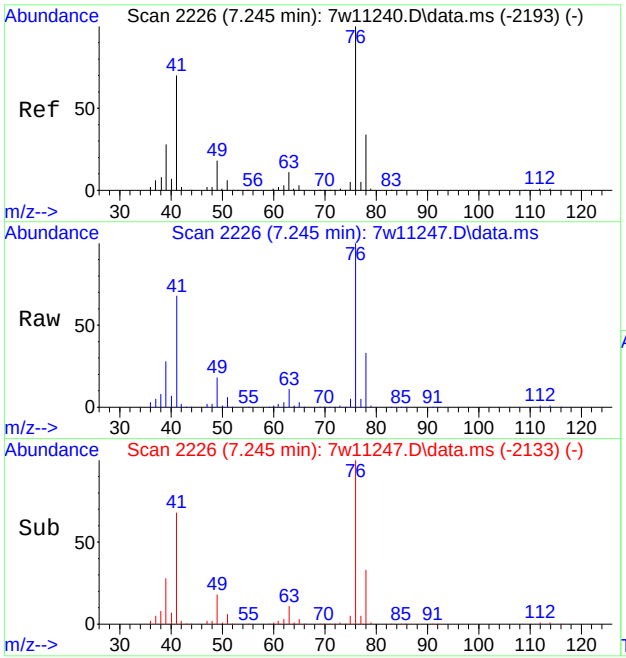


#66
TOLUENE
Concen: 10.82 PPBV
RT: 7.187 min Scan# 2208
Delta R.T. -0.003 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 91 Resp: 493387

Ion	Ratio	Lower	Upper
91	100		
92	59.0	29.0	89.0

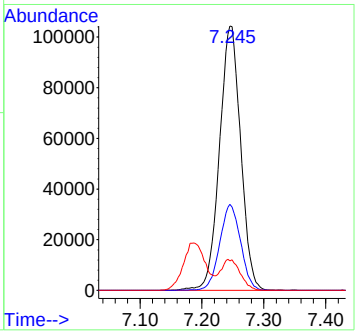


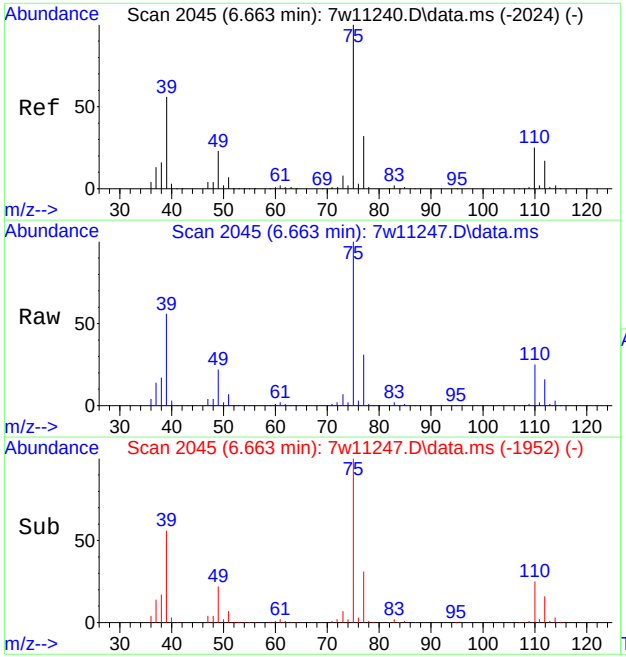


#67
1,3-DICHLOROPROPANE
Concen: 11.65 PPBV
RT: 7.245 min Scan# 2226
Delta R.T. 0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 76 Resp: 247994

Ion	Ratio	Lower	Upper
76	100		
78	32.2	22.5	41.9
63	10.7	7.3	13.7

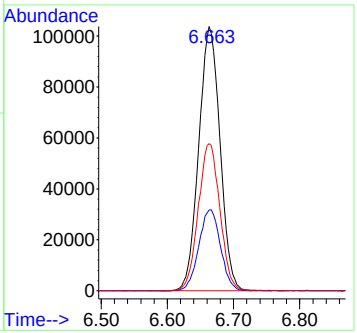


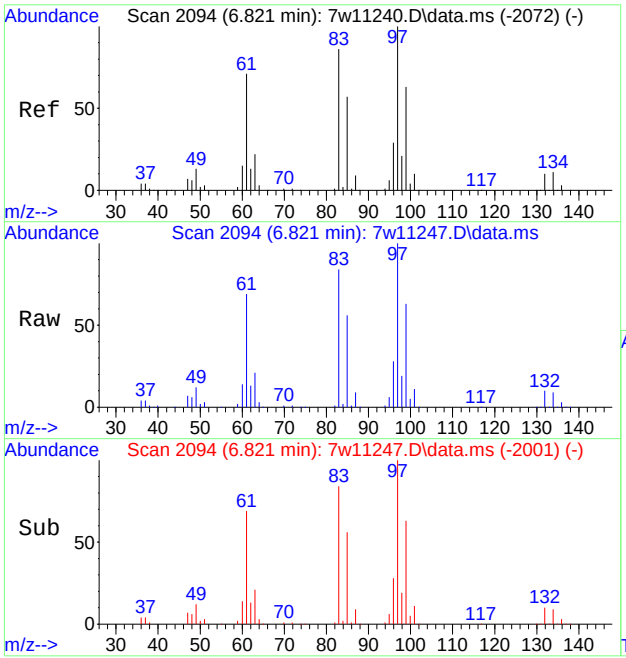


#68
TRANS-1,3-DICHLOROPROPENE
Concen: 11.25 PPBV
RT: 6.663 min Scan# 2045
Delta R.T. 0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 75 Resp: 231781

Ion	Ratio	Lower	Upper
75	100		
77	31.3	22.0	41.0
39	56.4	39.4	73.2

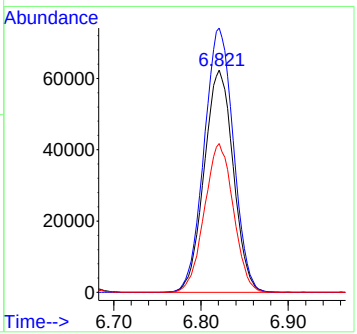


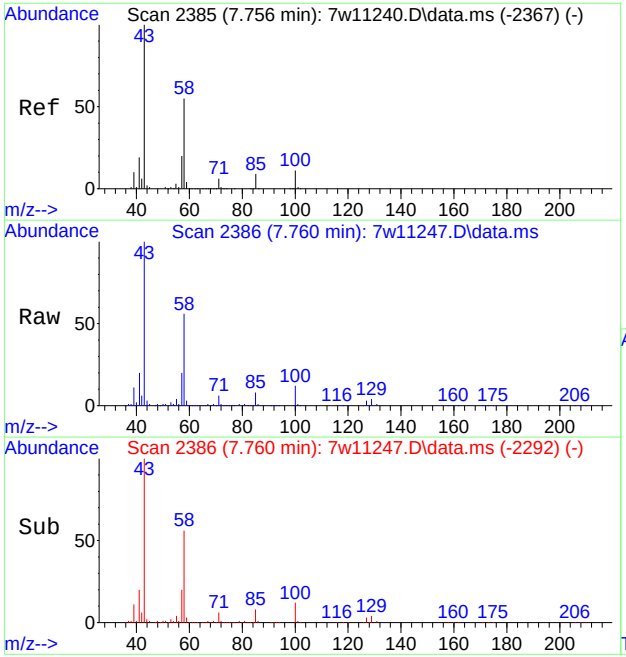


#69
1,1,2-TRICHLOROETHANE
Concen: 11.55 PPBV
RT: 6.821 min Scan# 2094
Delta R.T. -0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 83 Resp: 144738

Ion	Ratio	Lower	Upper
83	100		
97	119.4	83.3	154.7
85	66.7	46.6	86.6

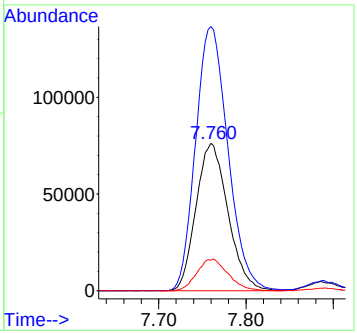


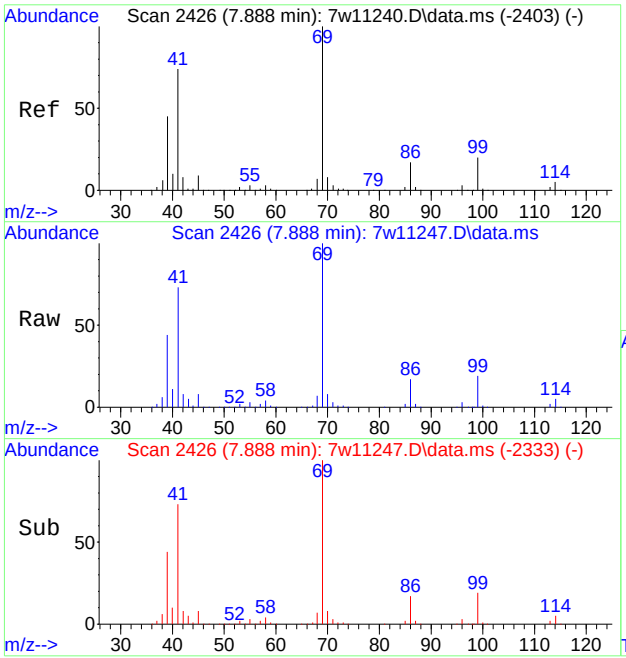


#70
2-HEXANONE
Concen: 9.56 PPBV
RT: 7.760 min Scan# 2386
Delta R.T. 0.004 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 58 Resp: 194335

Ion	Ratio	Lower	Upper
58	100		
43	181.2	128.2	238.2
100	21.2	15.0	28.0

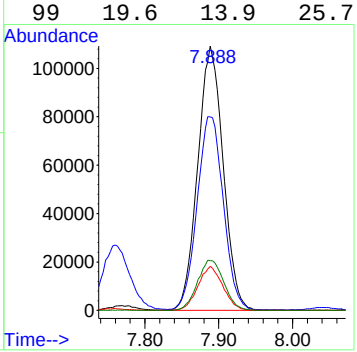


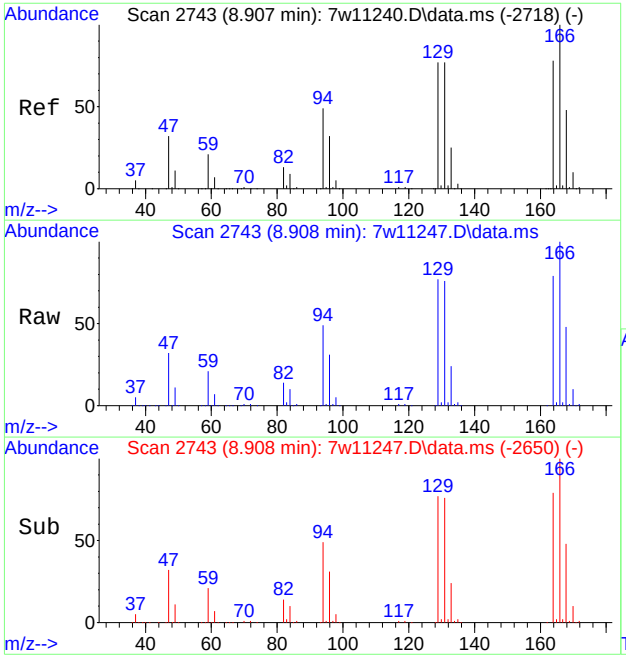


#71
ETHYL METHACRYLATE
Concen: 10.73 PPBV
RT: 7.888 min Scan# 2426
Delta R.T. 0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 69 Resp: 261342

Ion	Ratio	Lower	Upper
69	100		
41	75.7	53.1	98.7
86	16.3	11.4	21.2
99	19.6	13.9	25.7

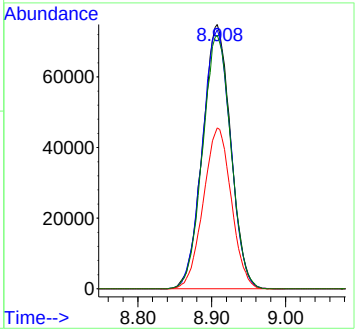


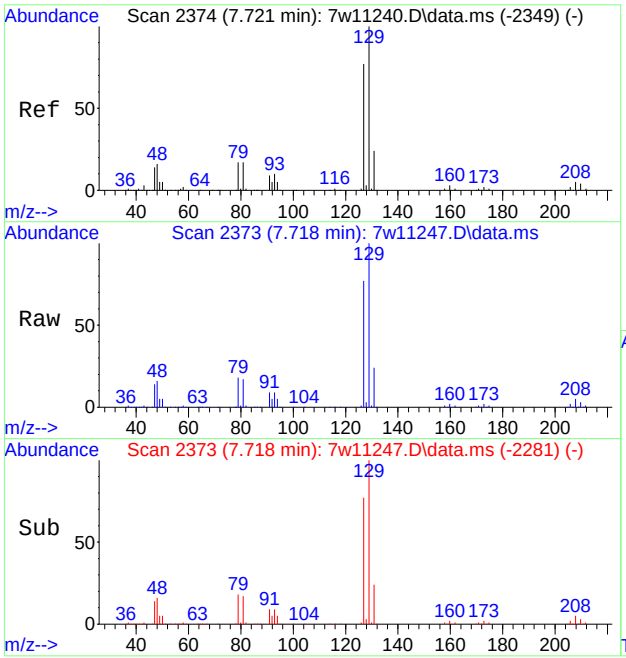


#72
TETRACHLOROETHENE
Concen: 11.45 PPBV
RT: 8.908 min Scan# 2743
Delta R.T. 0.001 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion:164 Resp: 197736

Ion	Ratio	Lower	Upper
164	100		
129	99.1	68.9	127.9
168	60.6	42.3	78.5
131	96.8	68.0	126.2

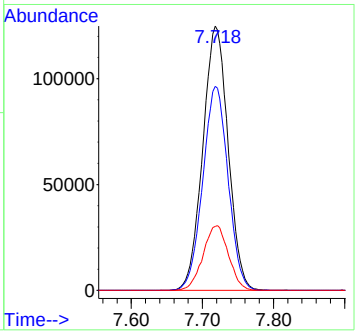


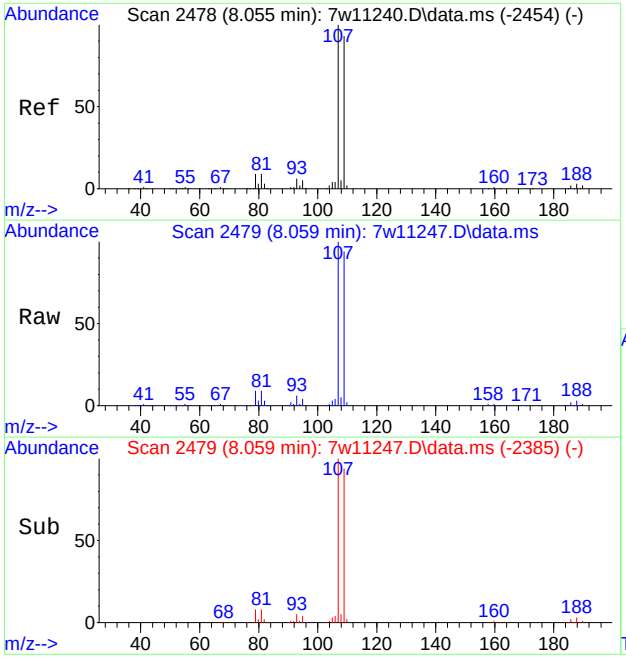


#73
DIBROMOCHLOROMETHANE
Concen: 11.73 PPBV
RT: 7.718 min Scan# 2373
Delta R.T. -0.003 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion:129 Resp: 308711

Ion	Ratio	Lower	Upper
129	100		
127	77.2	54.3	100.8
131	24.6	17.1	31.9

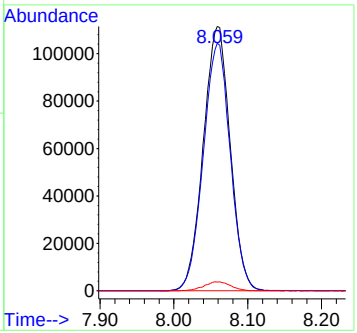


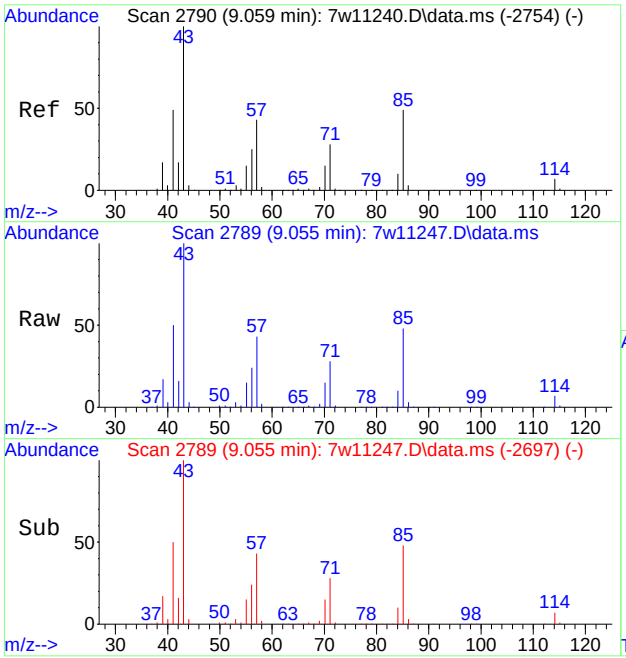


#74
1,2-DIBROMOETHANE
Concen: 12.31 PPBV
RT: 8.059 min Scan# 2479
Delta R.T. 0.004 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion:107 Resp: 282440

Ion	Ratio	Lower	Upper
107	100		
109	93.8	65.9	122.3
188	3.4	2.4	4.4

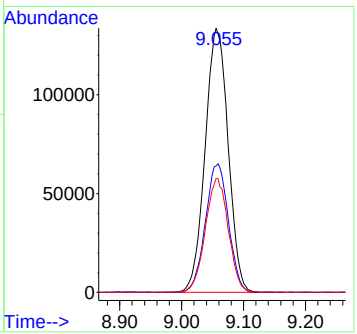


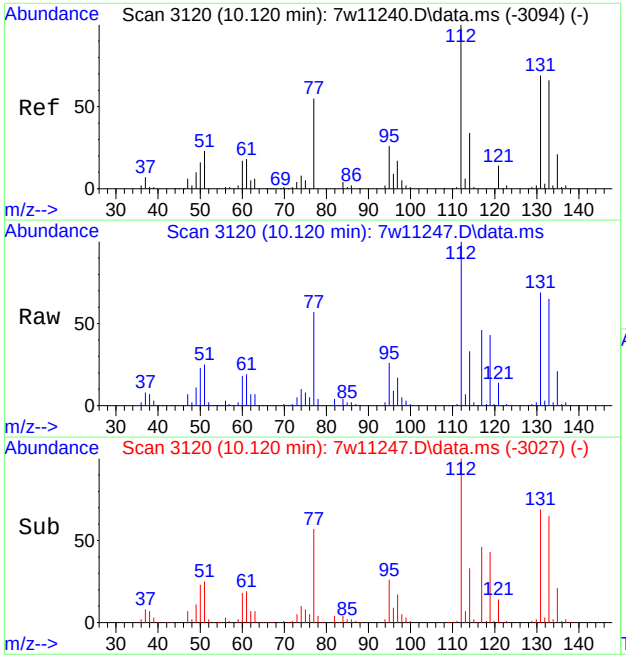


#75
OCTANE
Concen: 11.17 PPBV
RT: 9.055 min Scan# 2789
Delta R.T. -0.004 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 43 Resp: 344924

Ion	Ratio	Lower	Upper
43	100		
85	48.7	33.9	63.0
57	43.0	30.0	55.8

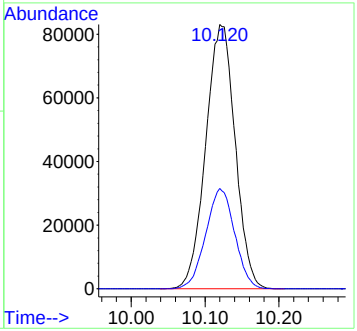


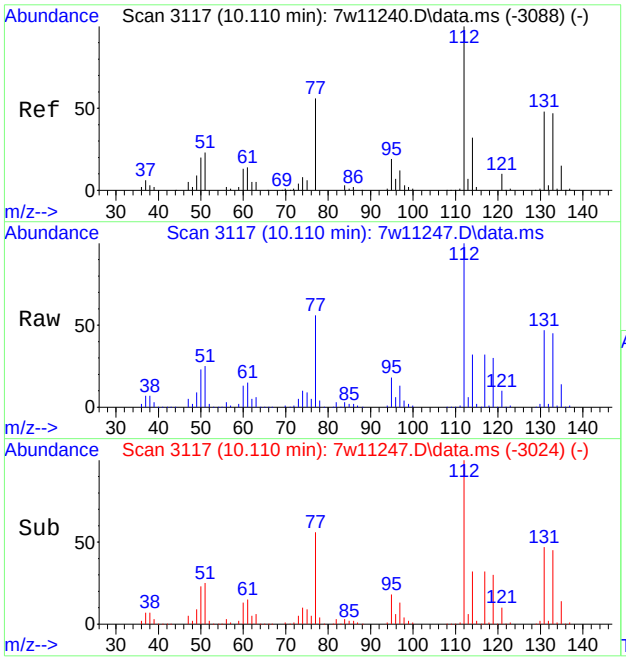


#77
1,1,1,2-TETRACHLOROETHANE
Concen: 11.92 PPBV
RT: 10.120 min Scan# 3120
Delta R.T. -0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion:131 Resp: 230150

Ion	Ratio	Lower	Upper
131	100		
95	37.3	26.3	48.9

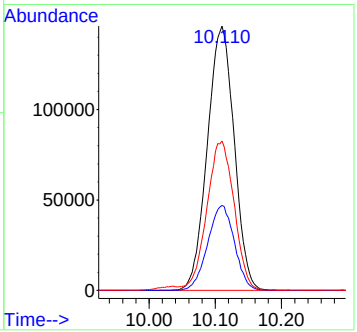


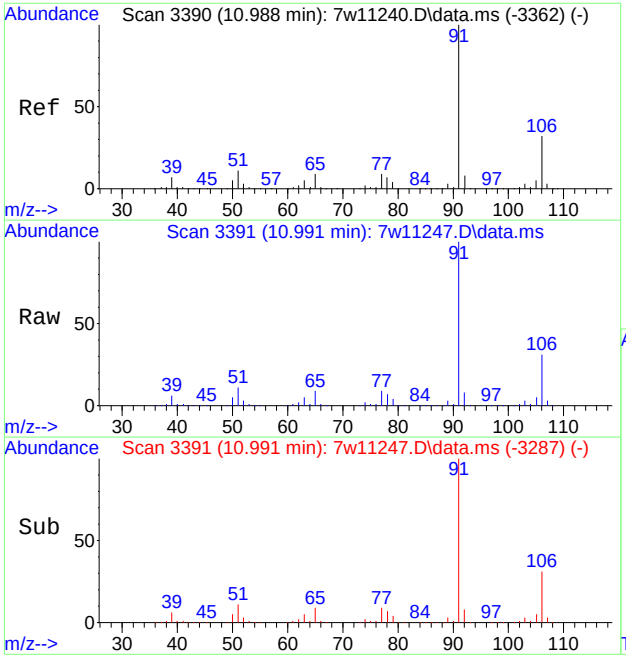


#78
CHLOROBENZENE
Concen: 11.71 PPBV
RT: 10.110 min Scan# 3117
Delta R.T. 0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion:112 Resp: 411539

Ion	Ratio	Lower	Upper
112	100		
114	32.1	22.5	41.9
77	58.7	40.2	74.6

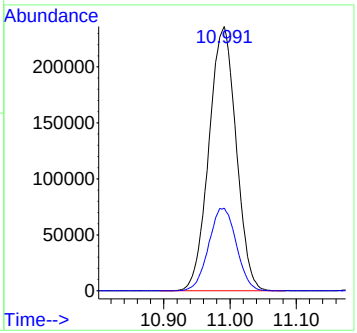


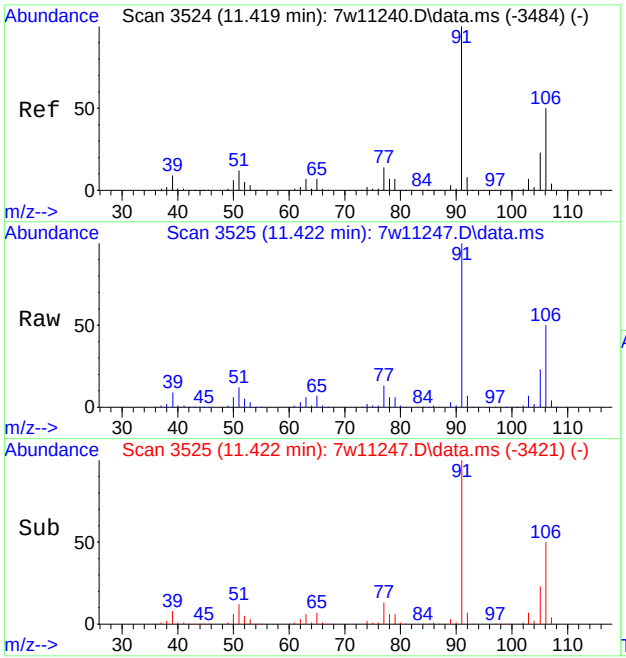


#79
ETHYLBENZENE
Concen: 11.32 PPBV
RT: 10.991 min Scan# 3391
Delta R.T. 0.003 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 91 Resp: 673474

Ion	Ratio	Lower	Upper
91	100		
106	31.8	1.6	61.6

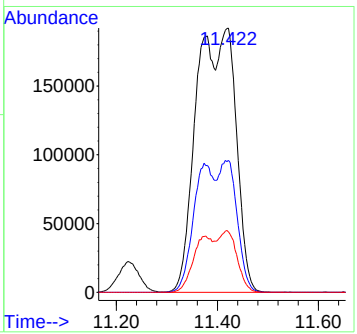


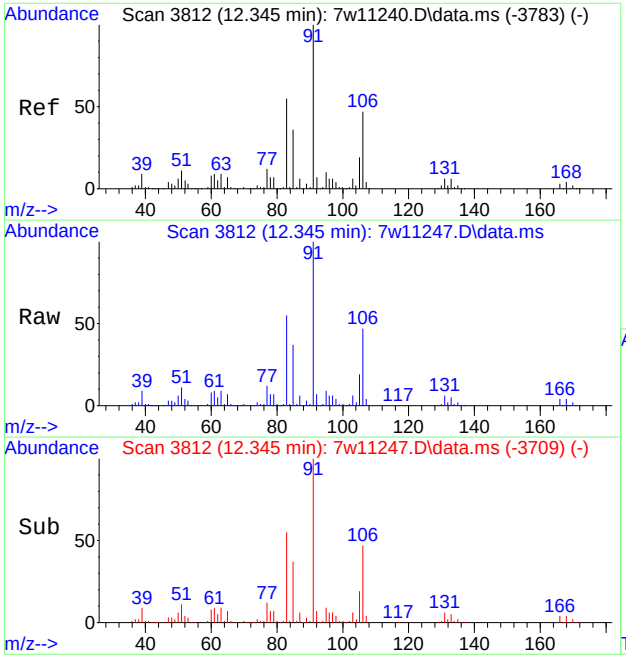


#80
M,P-XYLENE
Concen: 22.43 PPBV
RT: 11.422 min Scan# 3525
Delta R.T. 0.003 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 91 Resp: 1045863

Ion	Ratio	Lower	Upper
91	100		
106	24.2	0.0	55.5
105	11.1	0.0	41.7

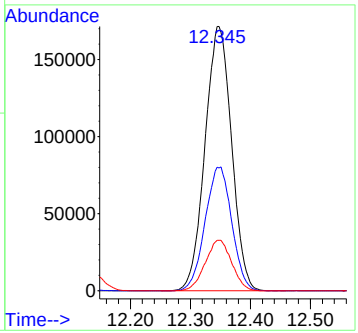


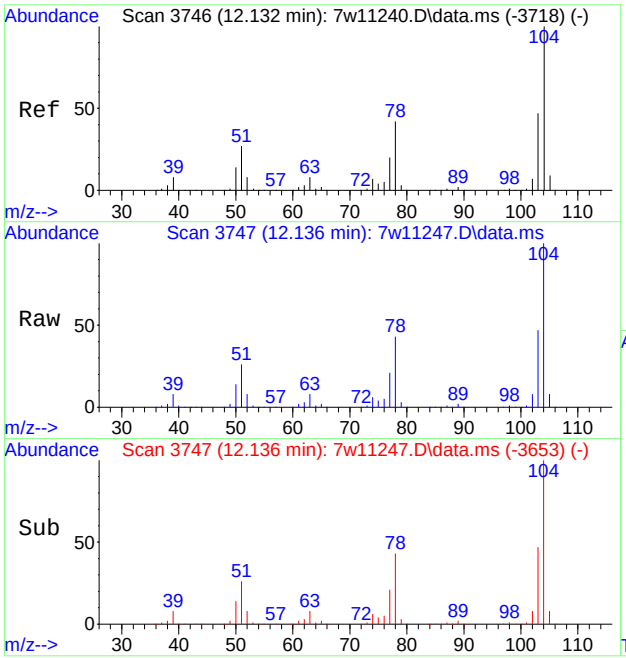


#81
O-XYLENE
Concen: 11.27 PPBV
RT: 12.345 min Scan# 3812
Delta R.T. -0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 91 Resp: 527613

Ion	Ratio	Lower	Upper
91	100		
106	46.8	32.7	60.7
105	19.0	13.2	24.6

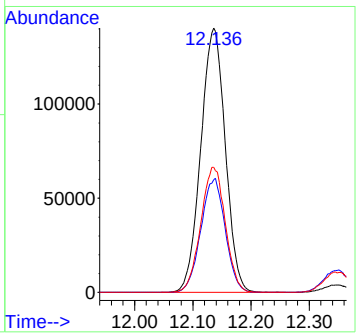


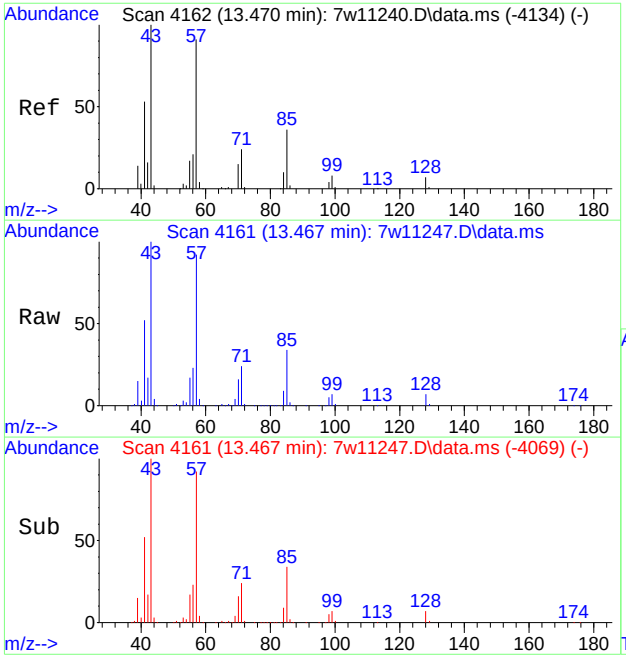


#82
STYRENE
Concen: 12.28 PPBV
RT: 12.136 min Scan# 3747
Delta R.T. 0.004 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion:104 Resp: 411836

Ion	Ratio	Lower	Upper
104	100		
78	42.9	30.0	55.6
103	47.4	33.0	61.4

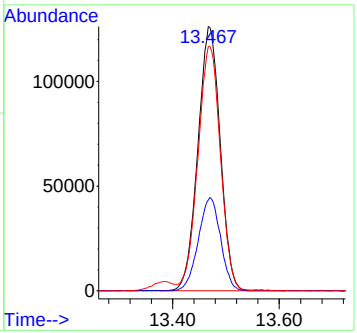


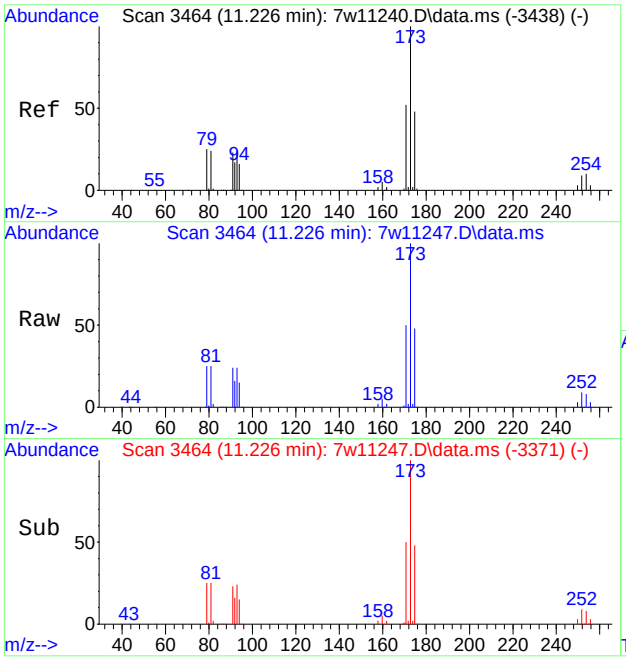


#83
NONANE
Concen: 11.39 PPBV
RT: 13.467 min Scan# 4161
Delta R.T. -0.003 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 43 Resp: 366216

Ion	Ratio	Lower	Upper
43	100		
85	35.1	25.0	46.4
57	93.4	65.7	122.1

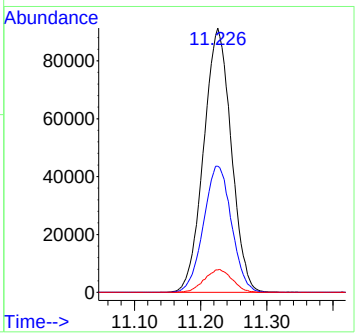


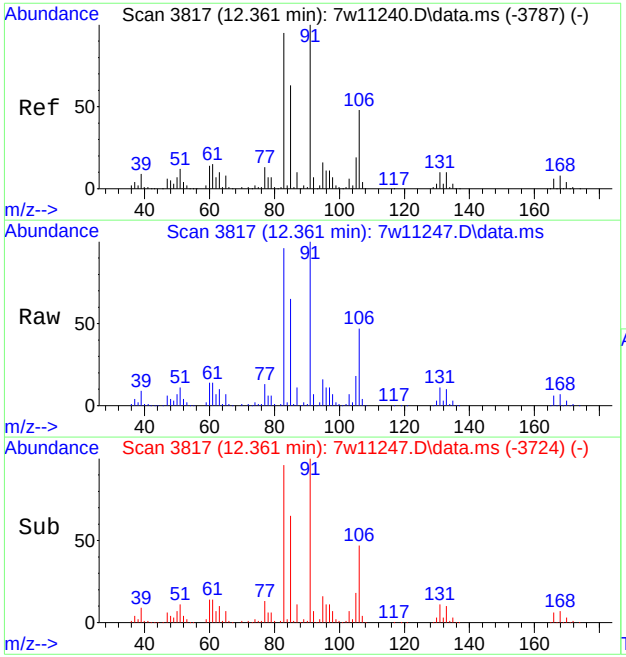


#84
BROMOFORM
Concen: 11.41 PPBV
RT: 11.226 min Scan# 3464
Delta R.T. -0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion:173 Resp: 264242

Ion	Ratio	Lower	Upper
173	100		
175	48.5	34.2	63.6
254	8.8	6.2	11.4

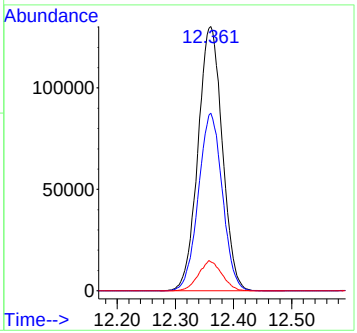


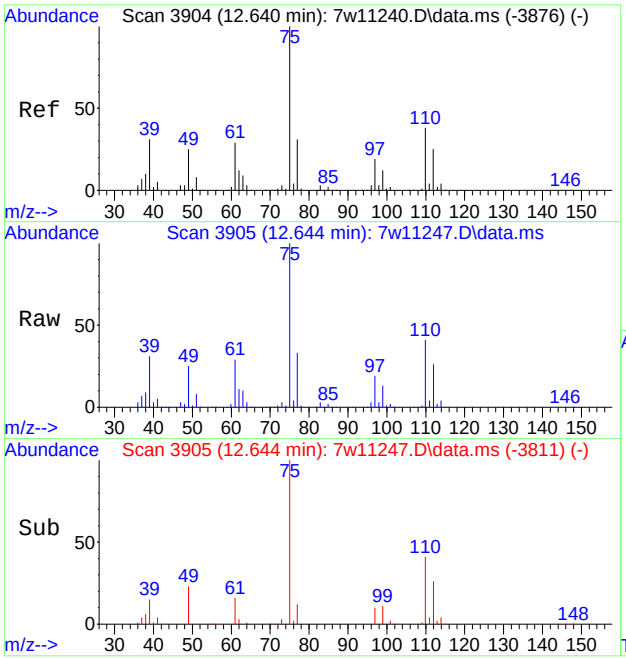


#85
1,1,2,2-TETRACHLOROETHANE
Concen: 12.14 PPBV
RT: 12.361 min Scan# 3817
Delta R.T. -0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 83 Resp: 378232

Ion	Ratio	Lower	Upper
83	100		
85	66.3	46.5	86.3
131	11.0	7.8	14.4

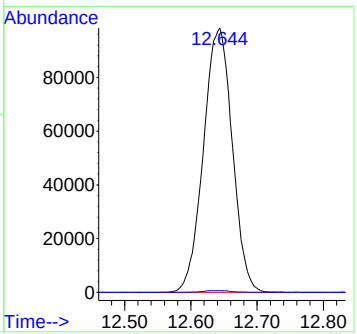


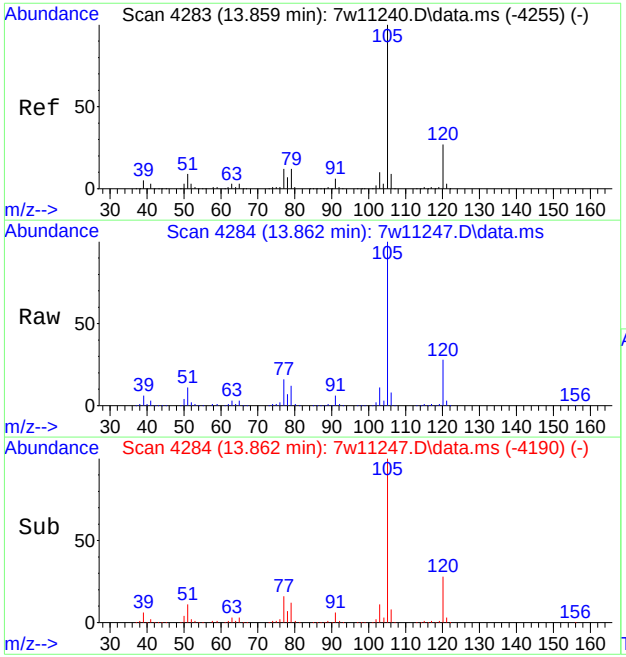


#86
1,2,3-TRICHLOROPROPANE
Concen: 11.98 PPBV
RT: 12.644 min Scan# 3905
Delta R.T. 0.004 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 75 Resp: 297750

Ion	Ratio	Lower	Upper
75	100		
100	0.7	0.5	0.9

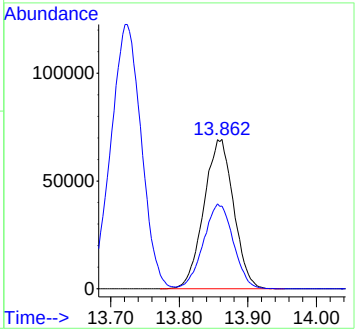


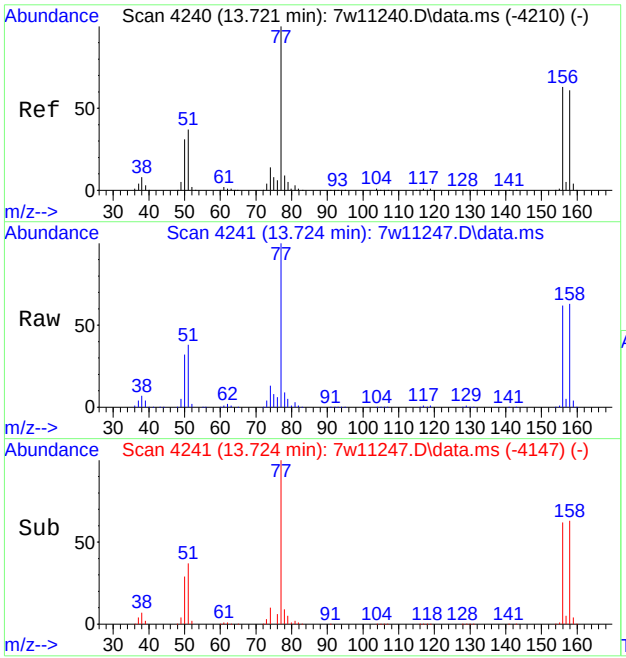


#88
ISOPROPYLBENZENE
Concen: 11.69 PPBV
RT: 13.862 min Scan# 4284
Delta R.T. 0.003 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion:120 Resp: 209087

Ion	Ratio	Lower	Upper
120	100		
77	57.1	39.9	74.1

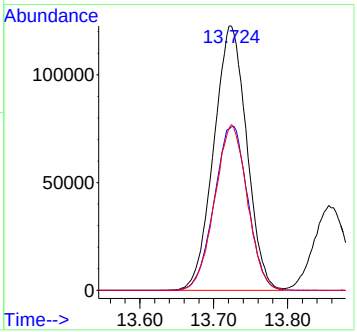


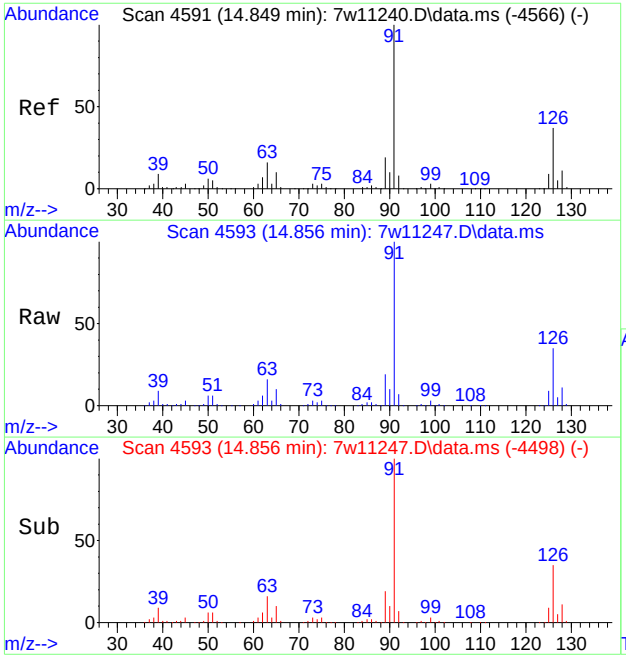


#89
BROMOBENZENE
Concen: 11.41 PPBV
RT: 13.724 min Scan# 4241
Delta R.T. 0.003 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 77 Resp: 380384

Ion	Ratio	Lower	Upper
77	100		
156	63.3	44.8	83.2
158	61.9	43.3	80.5

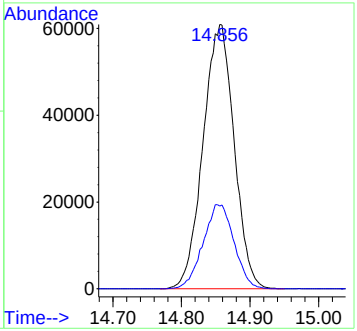


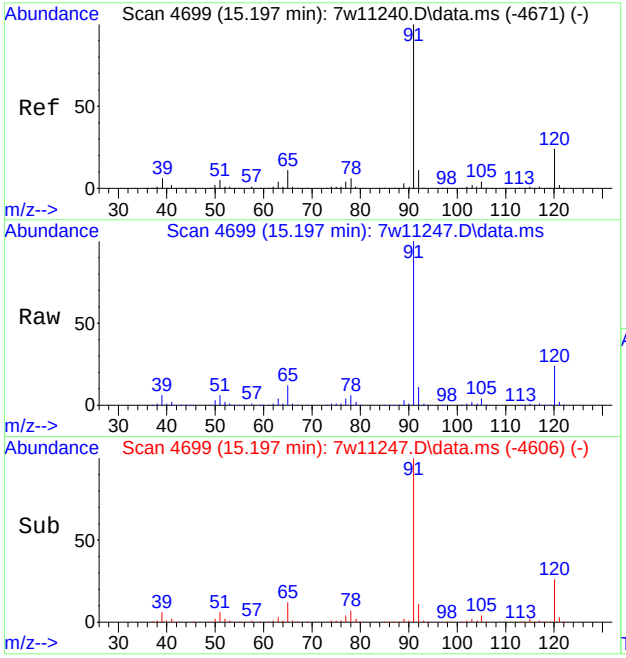


#90
2-CHLOROTOLUENE
Concen: 11.78 PPBV
RT: 14.856 min Scan# 4593
Delta R.T. 0.007 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion:126 Resp: 191686

Ion	Ratio	Lower	Upper
126	100		
128	31.8	22.5	41.7

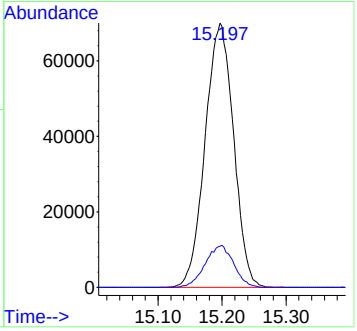


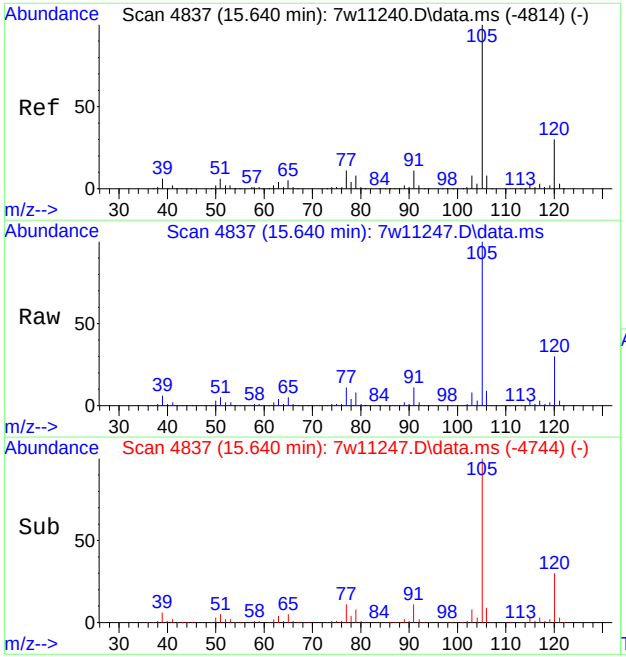


#91
N-PROPYLBENZENE
Concen: 11.95 PPBV
RT: 15.197 min Scan# 4699
Delta R.T. -0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion:120 Resp: 216658

Ion	Ratio	Lower	Upper
120	100		
105	15.9	11.3	20.9

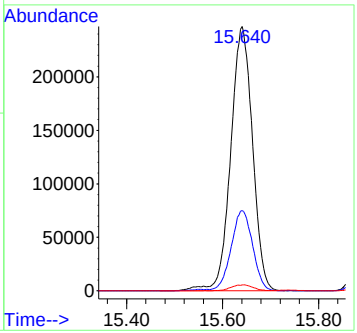


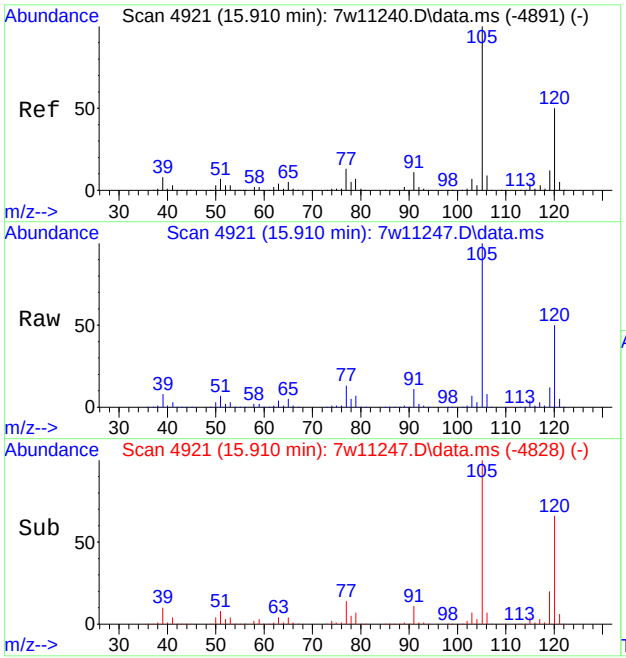


#92
4-ETHYLTOLUENE
Concen: 11.98 PPBV
RT: 15.640 min Scan# 4837
Delta R.T. 0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion:105 Resp: 779399

Ion	Ratio	Lower	Upper
105	100		
120	30.0	21.1	39.1
119	2.3	1.6	3.0

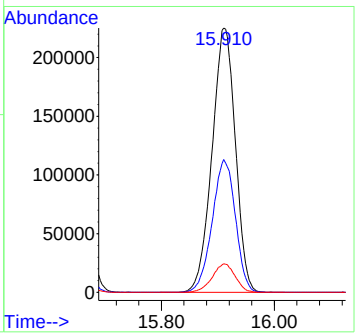


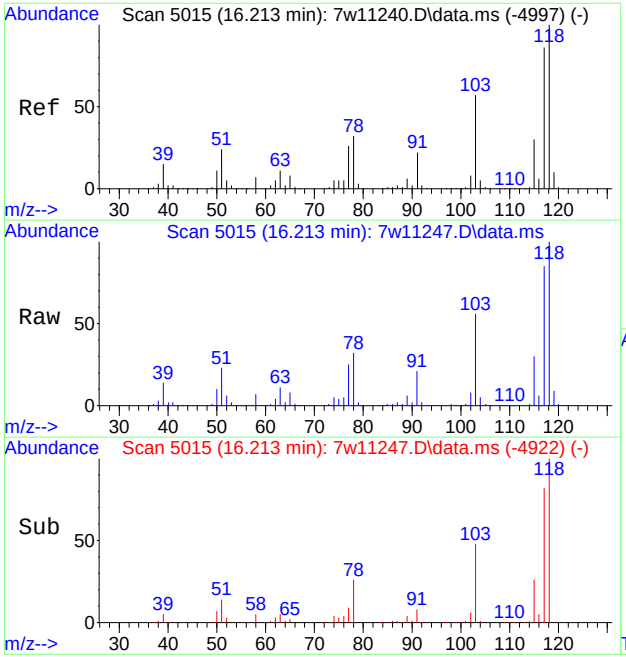


#93
1,3,5-TRIMETHYLBENZENE
Concen: 11.83 PPBV
RT: 15.910 min Scan# 4921
Delta R.T. 0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion:105 Resp: 647532

Ion	Ratio	Lower	Upper
105	100		
120	50.0	34.9	64.7
91	10.7	7.5	13.9

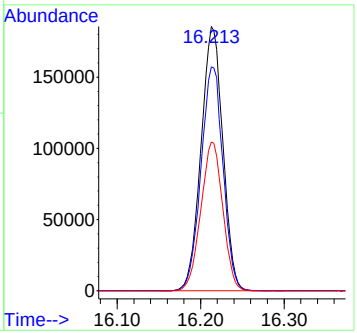


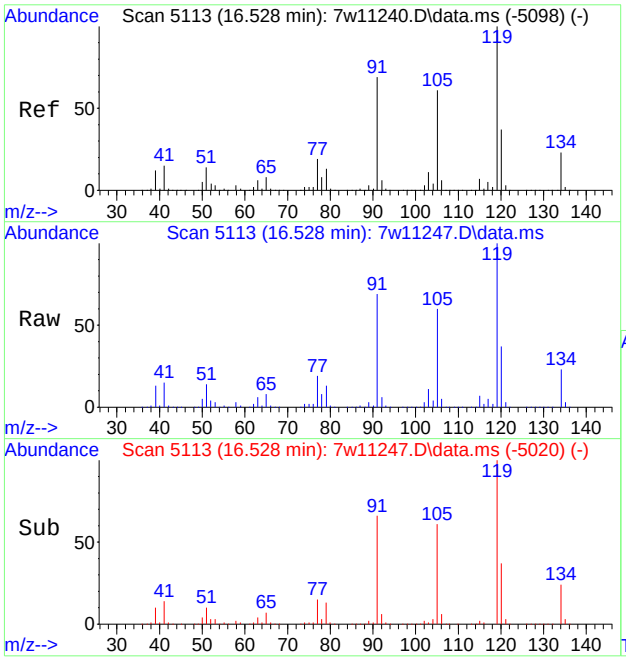


#94
ALPHA-METHYLSTYRENE
Concen: 12.04 PPBV
RT: 16.213 min Scan# 5015
Delta R.T. -0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion:118 Resp: 336497

Ion	Ratio	Lower	Upper
118	100		
117	85.6	59.6	110.8
103	56.7	39.3	72.9

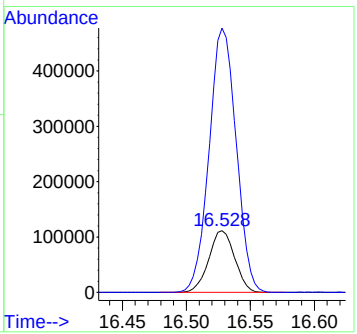


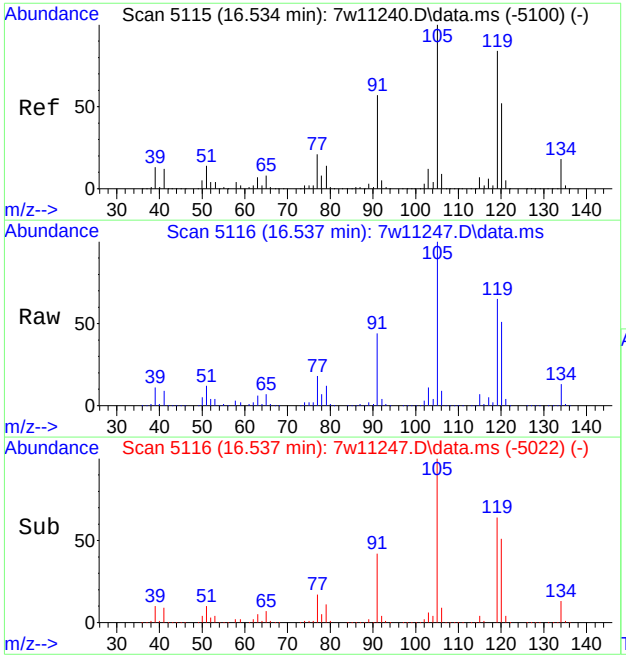


#95
TERT-BUTYLBENZENE
Concen: 11.99 PPBV
RT: 16.528 min Scan# 5113
Delta R.T. -0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion:134 Resp: 157132

Ion	Ratio	Lower	Upper
134	100		
119	447.7	311.9	579.1

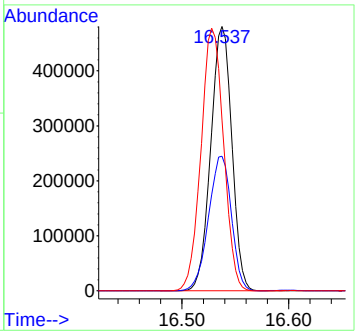


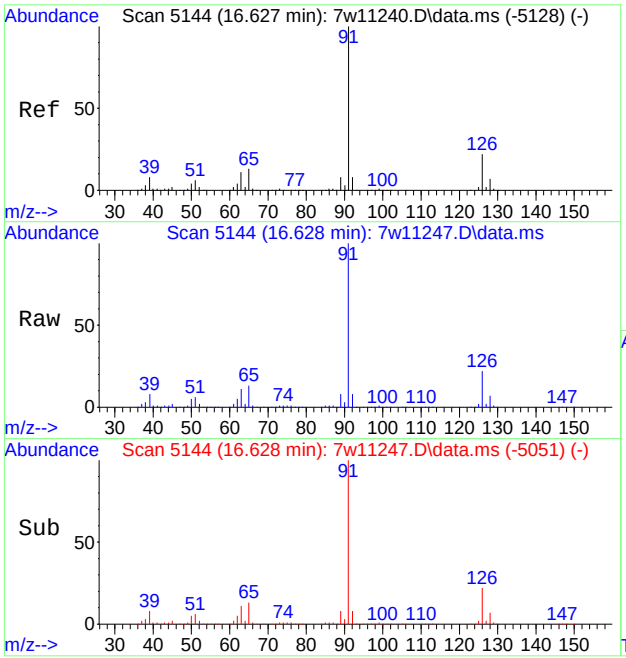


#96
1,2,4-TRIMETHYLBENZENE
Concen: 11.98 PPBV
RT: 16.537 min Scan# 5116
Delta R.T. 0.003 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion:105 Resp: 661357

Ion	Ratio	Lower	Upper
105	100		
120	55.2	38.8	72.0
119	106.4	74.3	137.9

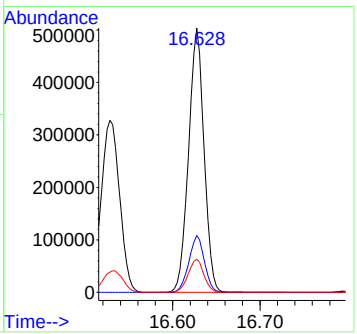


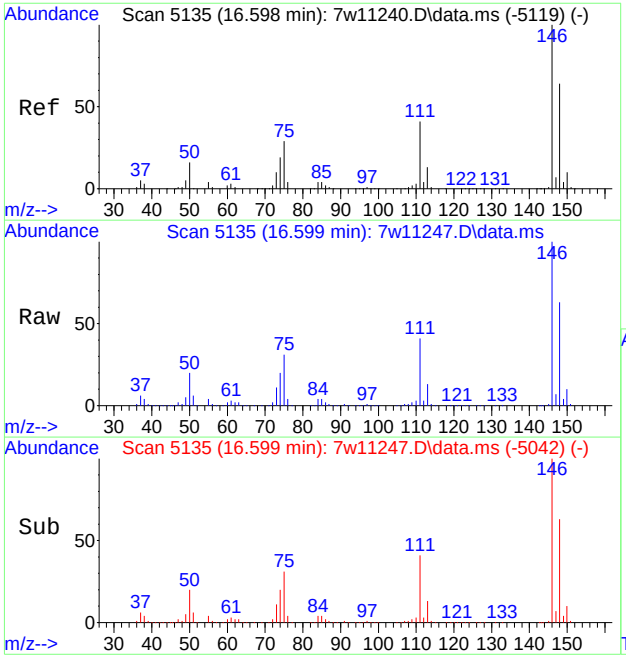


#97
BENZYL CHLORIDE
Concen: 12.69 PPBV
RT: 16.628 min Scan# 5144
Delta R.T. 0.001 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 91 Resp: 620171

Ion	Ratio	Lower	Upper
91	100		
126	21.6	15.0	28.0
65	12.8	9.0	16.8

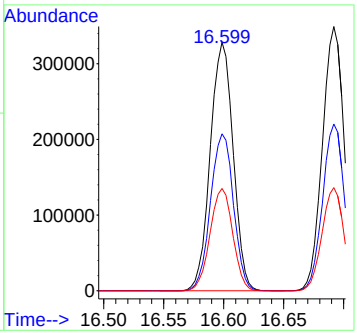


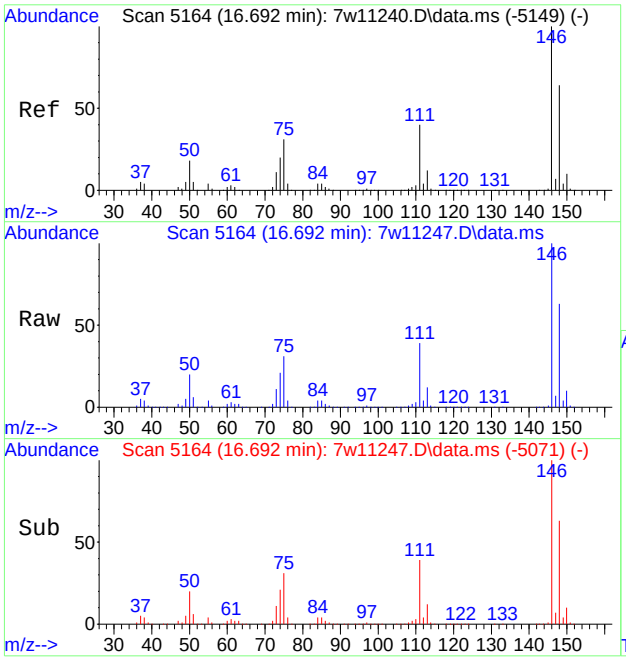


#98
M-DICHLOROBENZENE
Concen: 11.56 PPBV
RT: 16.599 min Scan# 5135
Delta R.T. 0.001 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion:146 Resp: 435352

Ion	Ratio	Lower	Upper
146	100		
148	63.4	44.4	82.5
111	40.9	28.6	53.2

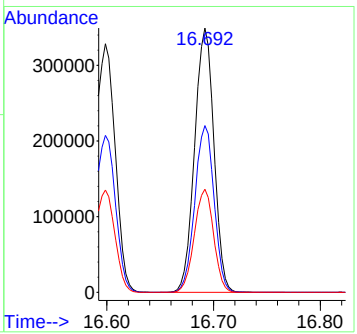


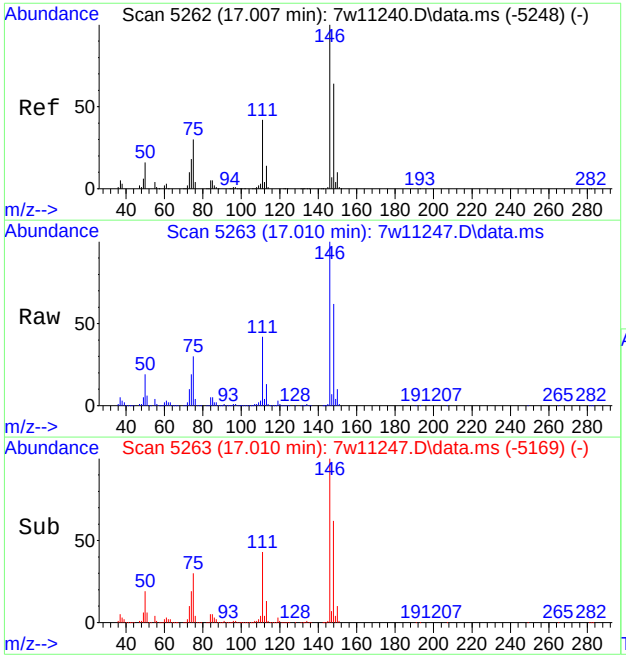


#99
P-DICHLOROBENZENE
Concen: 12.03 PPBV
RT: 16.692 min Scan# 5164
Delta R.T. -0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion:146 Resp: 440736

Ion	Ratio	Lower	Upper
146	100		
148	63.1	44.7	82.9
111	39.1	27.8	51.6

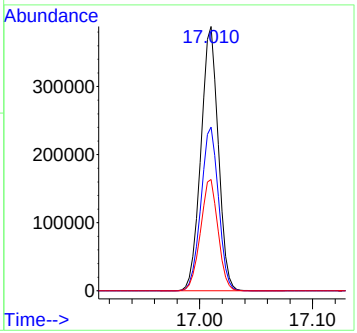


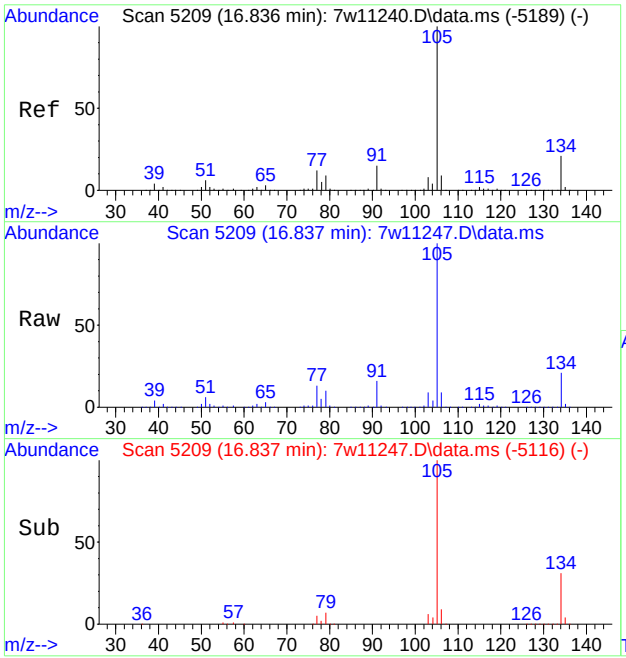


#100
O-DICHLOROBENZENE
Concen: 11.60 PPBV
RT: 17.010 min Scan# 5263
Delta R.T. 0.003 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion:146 Resp: 412635

Ion	Ratio	Lower	Upper
146	100		
148	62.8	44.4	82.5
111	42.5	29.7	55.1

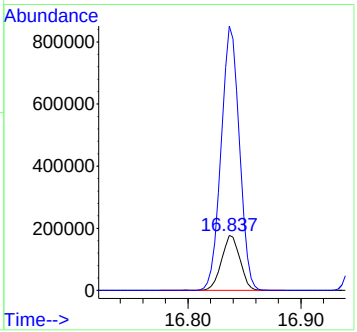


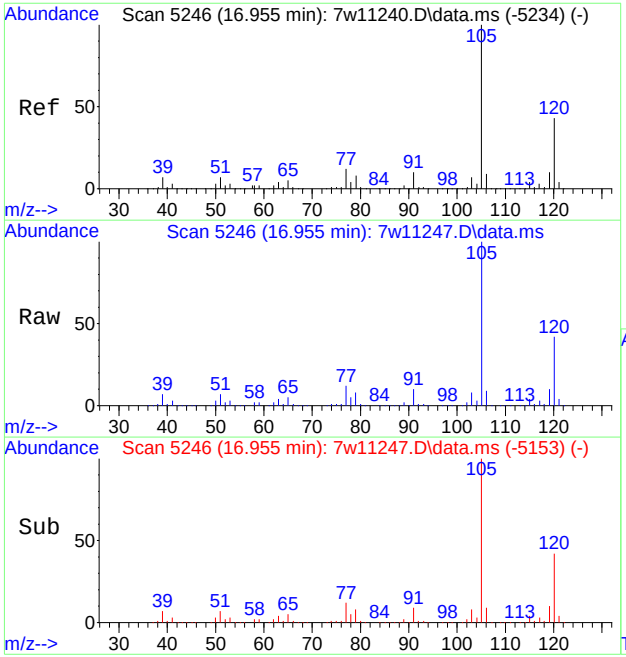


#101
SEC-BUTYLBENZENE
Concen: 12.23 PPBV
RT: 16.837 min Scan# 5209
Delta R.T. 0.001 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion:134 Resp: 199730

Ion	Ratio	Lower	Upper
134	100		
105	477.7	335.1	622.3

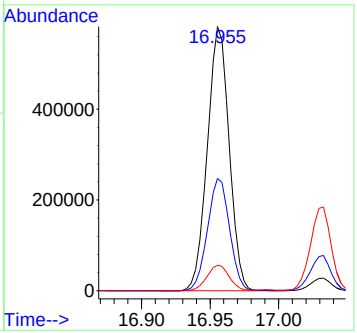


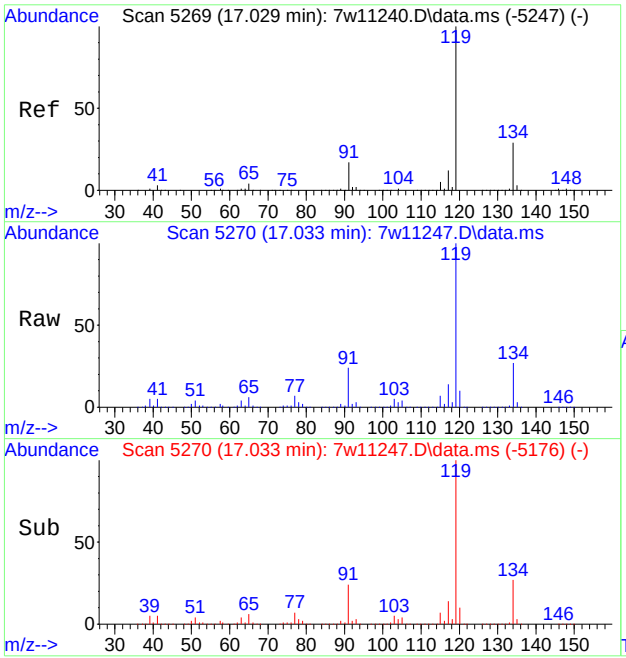


#102
1,2,3-TRIMETHYLBENZENE
Concen: 11.62 PPBV
RT: 16.955 min Scan# 5246
Delta R.T. 0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion:105 Resp: 642369

Ion	Ratio	Lower	Upper
105	100		
120	43.2	30.2	56.2
91	10.3	7.1	13.3

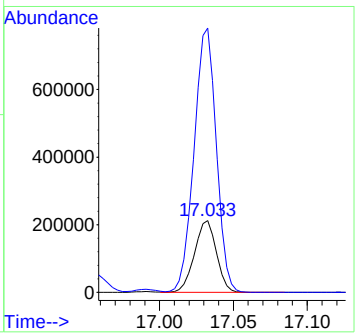


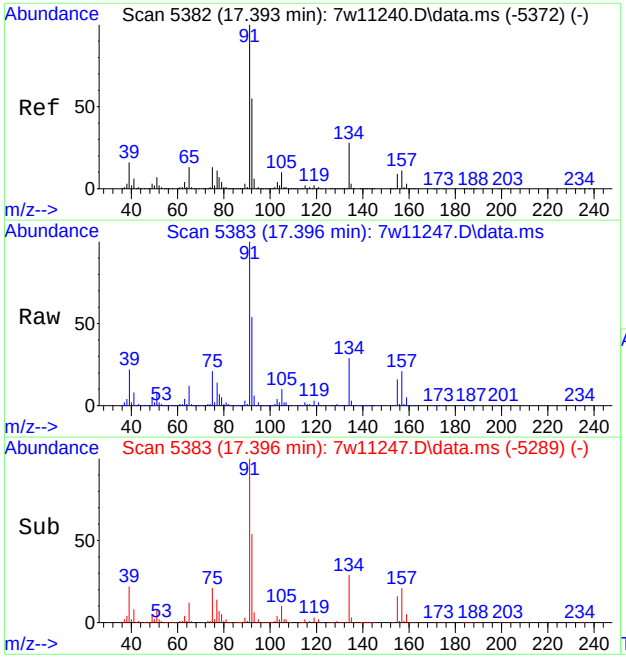


#103
P-ISOPROPYLTOLUENE
Concen: 12.04 PPBV
RT: 17.033 min Scan# 5270
Delta R.T. 0.004 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion:134 Resp: 217932

Ion	Ratio	Lower	Upper
134	100		
119	374.8	262.8	488.0

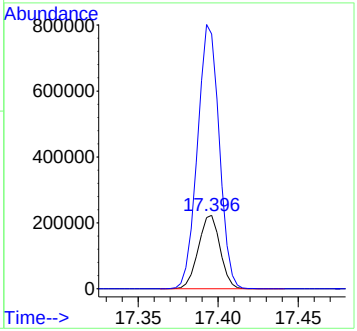


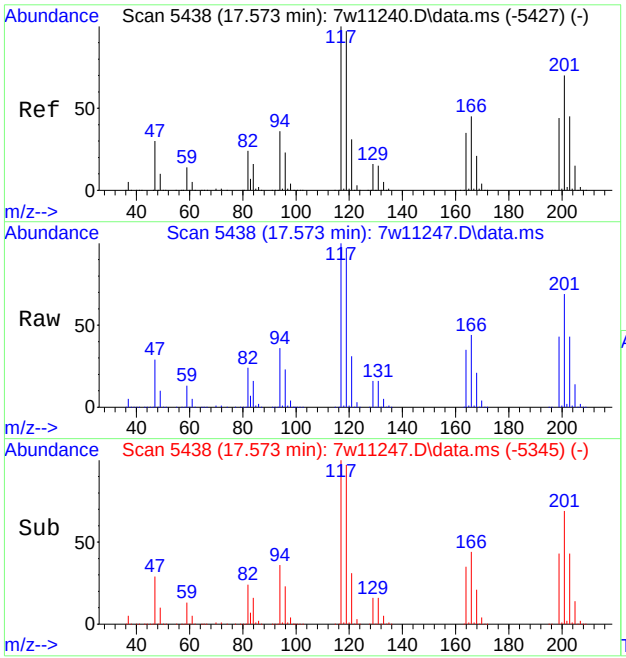


#104
N-BUTYLBENZENE
Concen: 11.92 PPBV
RT: 17.396 min Scan# 5383
Delta R.T. 0.003 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion:134 Resp: 210699

Ion	Ratio	Lower	Upper
134	100		
91	360.0	253.1	470.0

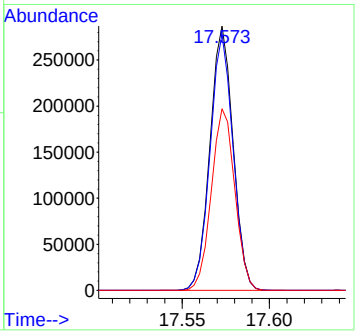


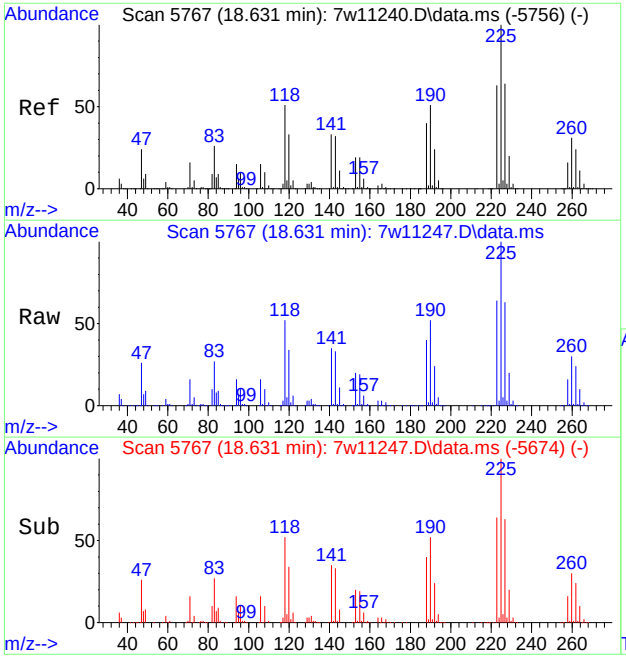


#105
HEXACHLOROETHANE
Concen: 12.57 PPBV
RT: 17.573 min Scan# 5438
Delta R.T. -0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion:117 Resp: 264746

Ion	Ratio	Lower	Upper
117	100		
119	96.0	67.3	124.9
201	69.7	48.4	89.8

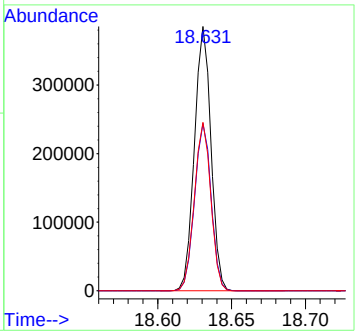


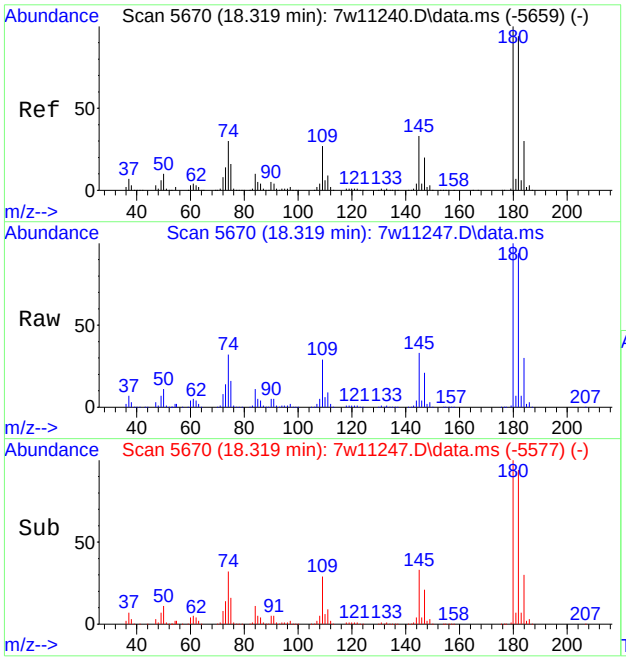


#106
HEXACHLOROBUTADIENE
Concen: 11.33 PPBV
RT: 18.631 min Scan# 5767
Delta R.T. -0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion:225 Resp: 299792

Ion	Ratio	Lower	Upper
225	100		
227	63.5	44.6	82.8
223	63.3	44.3	82.3

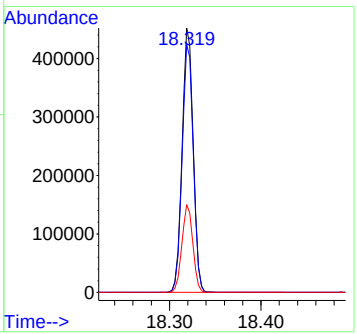


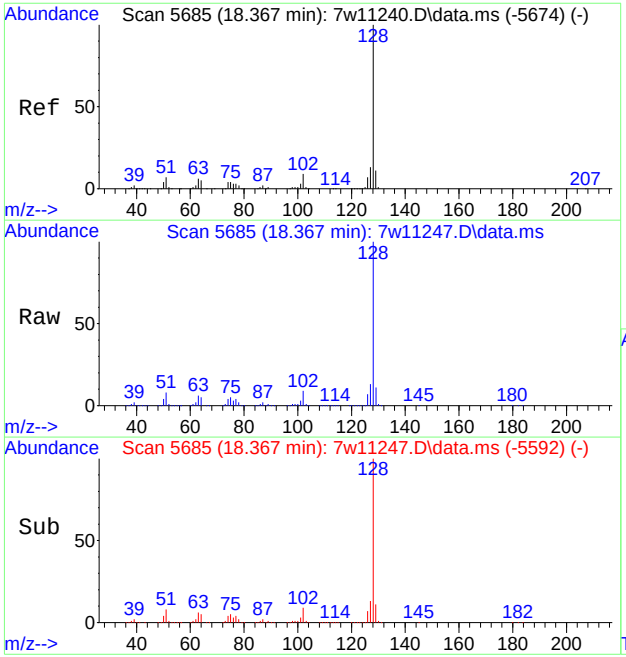


#107
1,2,4-TRICHLOROBENZENE
Concen: 12.49 PPBV
RT: 18.319 min Scan# 5670
Delta R.T. -0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion:180 Resp: 379717

Ion	Ratio	Lower	Upper
180	100		
182	94.3	66.2	123.0
145	32.8	23.1	42.9

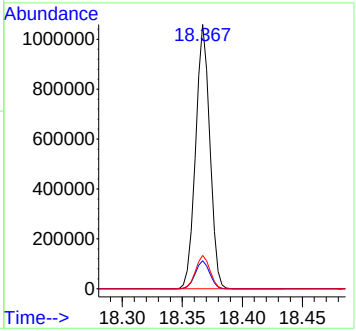


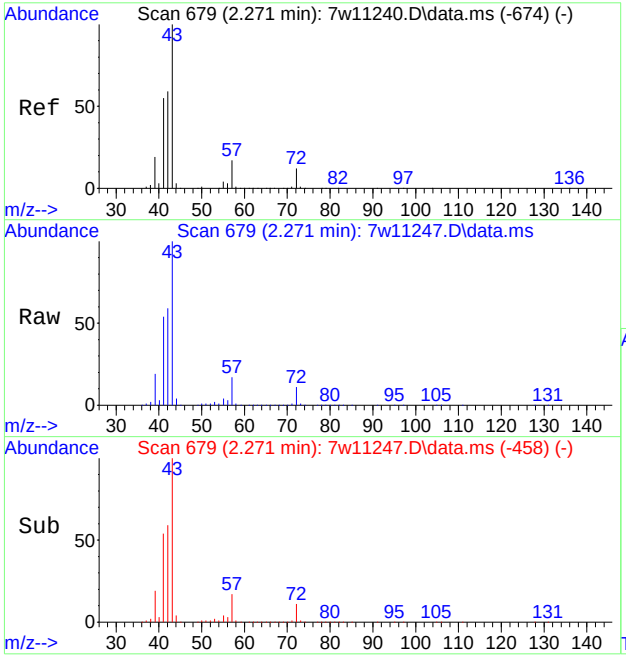


#108
NAPHTHALENE
Concen: 12.86 PPBV
RT: 18.367 min Scan# 5685
Delta R.T. -0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion:128 Resp: 867478

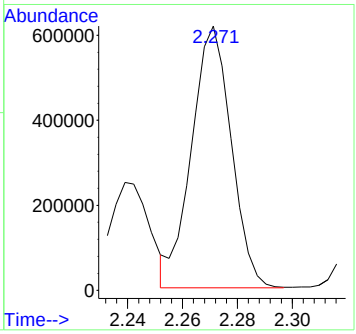
Ion	Ratio	Lower	Upper
128	100		
129	10.8	7.6	14.2
127	12.7	8.9	16.5





#110
TVHC as equiv Pentane
Concen: 11.35 PPBV
RT: 2.271 min Scan# 679
Delta R.T. 0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion:TIC Resp: 618380



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\01-07-2025\V7W414\
Data File : 7w11535.D
Acq On : 6 Jan 2025 8:54 pm
Operator : benk
Sample : cc405-10 Inst : MS7W
Misc : MS88278,v7w414,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 07 17:29:30 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.229	128	130369	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.496	114	632907	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.033	117	611856	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.229	128	130369	10.00	PPBV	0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.386	95	453239	10.21	PPBV	0.00
Target Compounds						Qvalue
3) FREON 152A	1.628	65	69639	11.2170	PPBV	92
4) CHLORODIFLUOROMETHANE	1.641	67	36651	11.6290	PPBV	98
5) CHLOROTRIFLUOROETHENE	1.650	116	165534	10.9036	PPBV	91
6) DICHLORODIFLUOROMETHANE	1.667	85	380878	11.7174	PPBV	100
7) PROPYLENE	1.650	41	97067	11.3458	PPBV	99
8) 1-CHLORO-1,1-DIFLUOROE...	1.705	65	284469	11.8160	PPBV	99
9) FREON 114	1.740	85	323176	12.5340	PPBV	97
10) CHLOROMETHANE	1.712	52	41173	12.2015	PPBV	95
11) VINYL CHLORIDE	1.773	62	140632	12.8976	PPBV	100
12) 1,3-BUTADIENE	1.811	54	113227	12.1872	PPBV	98
13) N-BUTANE	1.827	43	216189	12.7862	PPBV	98
14) BROMOMETHANE	1.885	94	108698	11.1508	PPBV	99
15) CHLOROETHANE	1.933	64	72504	12.2872	PPBV	98
16) DICHLOROFLUOROMETHANE	1.959	67	285558	12.4226	PPBV	100
17) ACETONITRILE	2.027	41	127021	12.1224	PPBV	98
18) ACROLEIN	2.065	56	63256	11.4941	PPBV	99
19) FREON 123	2.078	83	287231	11.5791	PPBV	99
20) FREON 123A	2.097	117	177843	11.5150	PPBV	88
21) TRICHLOROFLUOROMETHANE	2.162	101	335442	11.7181	PPBV	100
22) ISOPROPYL ALCOHOL	2.178	45	290317	12.0206	PPBV	99
23) ACETONE	2.104	58	72384	9.5562	PPBV	99
24) PENTANE	2.274	42	156759	13.5126	PPBV	96
25) IODOMETHANE	2.335	142	304102	11.5917	PPBV	98
26) 1,1-DICHLOROETHYLENE	2.364	96	120637	10.6721	PPBV	93
27) CARBON DISULFIDE	2.499	76	348172	12.3683	PPBV	99
28) ETHANOL	1.962	45	81079	12.2634	PPBV	99
29) BROMOETHENE	2.033	106	113474	10.9265	PPBV	99
30) ACRYLONITRILE	2.245	52	105160	11.2171	PPBV	99
31) METHYLENE CHLORIDE	2.400	84	108000	10.4665	PPBV	90
32) 3-CHLOROPROPENE	2.441	76	60886	11.3422	PPBV	88
33) FREON 113	2.496	151	187225	10.9390	PPBV	93
34) TRANS-1,2-DICHLOROETHENE	2.724	96	126696	10.7665	PPBV	95
35) TERTIARY BUTYL ALCOHOL	2.377	59	307185	11.0594	PPBV	97
36) METHYL TERTIARY BUTYL ...	2.830	73	367629	10.9248	PPBV	99
37) TETRAHYDROFURAN	3.512	72	60871	11.6732	PPBV	90
38) HEXANE	3.281	57	248751	11.5854	PPBV	97
39) VINYL ACETATE	2.866	86	33097	10.3916	PPBV #	65
40) 1,1-DICHLOROETHANE	2.798	63	249826	11.8653	PPBV	99
41) METHYL ETHYL KETONE	2.962	72	65509	11.3102	PPBV	82
42) CIS-1,2-DICHLOROETHENE	3.155	96	132823	10.9584	PPBV	93
43) DIISOPROPYL ETHER	3.284	59	70833	11.9124	PPBV	89
44) ETHYL ACETATE	3.290	61	49072	11.9287	PPBV	76
45) METHYL ACRYLATE	3.277	55	295533	12.2515	PPBV #	100
46) CHLOROFORM	3.303	83	279112	11.7132	PPBV	99
47) 2,4-DIMETHYLPENTANE	3.789	57	285056	12.0079	PPBV	97
48) 1,1,1-TRICHLOROETHANE	3.869	97	289816	11.3417	PPBV	98
49) CARBON TETRACHLORIDE	4.287	117	296154	11.6859	PPBV	100
50) 1,2-DICHLOROETHANE	3.705	62	226271	12.6830	PPBV	99

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\01-07-2025\V7W414\
Data File : 7w11535.D
Acq On : 6 Jan 2025 8:54 pm
Operator : benk
Sample : cc405-10 Inst : MS7W
Misc : MS88278,v7w414,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 07 17:29:30 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51)	BENZENE	4.174	78	390154	11.2055	PPBV	96
53)	CYCLOHEXANE	4.383	84	170682	11.4144	PPBV	90
54)	2,3-DIMETHYLPENTANE	4.634	71	91132	11.6079	PPBV	88
55)	TRICHLOROETHENE	5.065	95	184336	11.4578	PPBV	98
56)	1,2-DICHLOROPROPANE	4.834	63	164136	11.9587	PPBV	99
57)	DIBROMOMETHANE	4.792	174	162061	10.7205	PPBV	100
58)	ETHYL ACRYLATE	4.949	55	362953	12.4455	PPBV	99
59)	BROMODICHLOROMETHANE	5.010	83	305891	11.9343	PPBV	100
60)	2,2,4-TRIMETHYLPENTANE	5.158	57	771389	12.6749	PPBV	99
61)	1,4-DIOXANE	5.081	88	94933	10.5827	PPBV	95
62)	HEPTANE	5.473	43	286174	13.3800	PPBV	94
63)	METHYL METHACRYLATE	5.371	69	151834	11.0457	PPBV	89
64)	METHYL ISOBUTYL KETONE	6.097	58	147955	11.5872	PPBV	94
65)	CIS-1,3-DICHLOROPROPENE	5.994	75	251058	11.6801	PPBV	96
66)	TOLUENE	7.190	91	493080	11.0257	PPBV	100
67)	1,3-DICHLOROPROPANE	7.245	76	250523	11.9947	PPBV	99
68)	TRANS-1,3-DICHLOROPROPENE	6.666	75	221480	10.9608	PPBV	97
69)	1,1,2-TRICHLOROETHANE	6.824	83	144034	11.7168	PPBV	99
70)	2-HEXANONE	7.760	58	202997	10.1810	PPBV	95
71)	ETHYL METHACRYLATE	7.891	69	256443	10.7307	PPBV	93
72)	TETRACHLOROETHENE	8.907	164	201157	11.8715	PPBV	98
73)	DIBROMOCHLOROMETHANE	7.721	129	296989	11.4991	PPBV	99
74)	1,2-DIBROMOETHANE	8.062	107	274946	12.2177	PPBV	100
75)	OCTANE	9.058	43	397023	13.1015	PPBV	93
77)	1,1,1,2-TETRACHLOROETHANE	10.123	131	218495	11.1731	PPBV	99
78)	CHLOROBENZENE	10.110	112	407515	11.4457	PPBV	98
79)	ETHYLBENZENE	10.991	91	669213	11.1046	PPBV	99
80)	M,P-XYLENE	11.419	91	1063362	22.5092	PPBV	98
81)	O-XYLENE	12.348	91	544022	11.4661	PPBV	99
82)	STYRENE	12.136	104	408729	12.0283	PPBV	99
83)	NONANE	13.470	43	428331	13.1431	PPBV	94
84)	BROMOFORM	11.226	173	266675	11.3690	PPBV	99
85)	1,1,2,2-TETRACHLOROETHANE	12.361	83	384823	12.1873	PPBV	100
86)	1,2,3-TRICHLOROPROPANE	12.647	75	306998	12.1868	PPBV	100
88)	ISOPROPYLBENZENE	13.862	120	206348	11.3841	PPBV	97
89)	BROMOBENZENE	13.727	77	377668	11.1771	PPBV	97
90)	2-CHLOROTOLUENE	14.849	126	181370	10.9997	PPBV	100
91)	N-PROPYLBENZENE	15.197	120	214427	11.6716	PPBV	99
92)	4-ETHYLTOLUENE	15.640	105	789880	11.9870	PPBV	99
93)	1,3,5-TRIMETHYLBENZENE	15.910	105	664098	11.9755	PPBV	99
94)	ALPHA-METHYLSTYRENE	16.213	118	332522	11.7411	PPBV	99
95)	TERT-BUTYLBENZENE	16.528	134	157701	11.8819	PPBV	95
96)	1,2,4-TRIMETHYLBENZENE	16.537	105	696999	12.4606	PPBV	98
97)	BENZYL CHLORIDE	16.627	91	495496	10.0037	PPBV	98
98)	M-DICHLOROBENZENE	16.598	146	444639	11.6540	PPBV	99
99)	P-DICHLOROBENZENE	16.692	146	451646	12.1627	PPBV	100
100)	O-DICHLOROBENZENE	17.007	146	424771	11.7905	PPBV	100
101)	SEC-BUTYLBENZENE	16.836	134	201457	12.1802	PPBV	95
102)	1,2,3-TRIMETHYLBENZENE	16.955	105	672793	12.0077	PPBV	98
103)	P-ISOPROPYLTOLUENE	17.029	134	219397	11.9661	PPBV	97
104)	N-BUTYLBENZENE	17.393	134	214413	11.9692	PPBV	92
105)	HEXACHLOROETHANE	17.573	117	230102	10.7821	PPBV	98
106)	HEXACHLOROBUTADIENE	18.624	225	347987	12.9849	PPBV	100
107)	1,2,4-TRICHLOROBENZENE	18.315	180	405043	13.1531	PPBV	100
108)	NAPHTHALENE	18.364	128	867297	12.6895	PPBV	100
110)	TVHC as equiv Pentane	2.274	TIC	736029	13.2964	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\01-07-2025\V7W414\
Data File : 7w11535.D
Acq On : 6 Jan 2025 8:54 pm
Operator : benk
Sample : cc405-10 Inst : MS7W
Misc : MS88278,v7w414,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 07 17:29:30 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

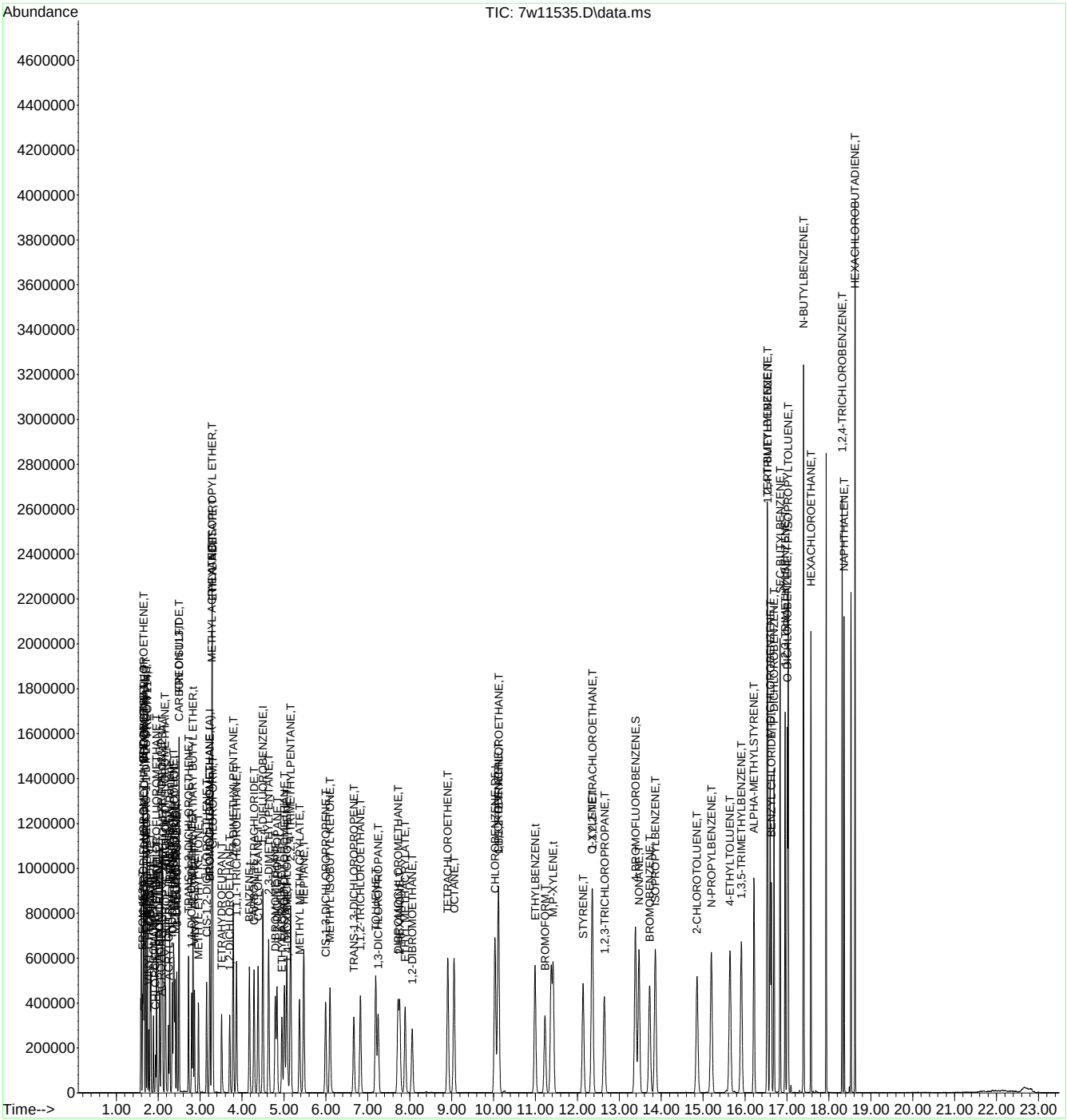
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\01-07-2025\V7W414\
Data File : 7w11535.D
Acq On : 6 Jan 2025 8:54 pm
Operator : benk
Sample : cc405-10 Inst : MS7W
Misc : MS88278,v7w414,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 07 17:29:30 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\01-07-2025\V7W415\
Data File : 7w11571.D
Acq On : 7 Jan 2025 9:29 pm
Operator : benk
Sample : cc405-10 Inst : MS7W
Misc : MS88278,v7w415,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 08 21:37:09 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.226	128	130206	10.00	PPBV	# 0.00
52) 1,4-DIFLUOROBENZENE	4.493	114	632316	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.033	117	600992	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.226	128	130206	10.00	PPBV	# 0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.383	95	447495	10.26	PPBV	0.00
Target Compounds						Qvalue
3) FREON 152A	1.628	65	70308	11.3390	PPBV	92
4) CHLORODIFLUOROMETHANE	1.641	67	36554	11.6128	PPBV	98
5) CHLOROTRIFLUOROETHENE	1.651	116	162871	10.7416	PPBV	88
6) DICHLORODIFLUOROMETHANE	1.667	85	382305	11.7760	PPBV	99
7) PROPYLENE	1.651	41	97894	11.4568	PPBV	99
8) 1-CHLORO-1,1-DIFLUOROE...	1.705	65	286318	11.9077	PPBV	99
9) FREON 114	1.741	85	325255	12.6305	PPBV	96
10) CHLOROMETHANE	1.712	52	41647	12.3574	PPBV	98
11) VINYL CHLORIDE	1.773	62	142539	13.0889	PPBV	99
12) 1,3-BUTADIENE	1.808	54	115521	12.4497	PPBV	99
13) N-BUTANE	1.824	43	220772	13.0736	PPBV	99
14) BROMOMETHANE	1.885	94	110328	11.3321	PPBV	99
15) CHLOROETHANE	1.933	64	72650	12.3274	PPBV	97
16) DICHLOROFLUOROMETHANE	1.956	67	288899	12.5837	PPBV	100
17) ACETONITRILE	2.023	41	129899	12.4126	PPBV	97
18) ACROLEIN	2.062	56	64632	11.7588	PPBV	99
19) FREON 123	2.078	83	289371	11.6800	PPBV	99
20) FREON 123A	2.094	117	177915	11.5341	PPBV	86
21) TRICHLOROFLUOROMETHANE	2.159	101	336063	11.7545	PPBV	100
22) ISOPROPYL ALCOHOL	2.175	45	296204	12.2797	PPBV	99
23) ACETONE	2.101	58	72814	9.6250	PPBV	99
24) PENTANE	2.271	42	159260	13.7453	PPBV	96
25) IODOMETHANE	2.332	142	301505	11.5071	PPBV	97
26) 1,1-DICHLOROETHYLENE	2.361	96	120203	10.6470	PPBV	91
27) CARBON DISULFIDE	2.493	76	349352	12.4258	PPBV	100
28) ETHANOL	1.962	45	82094	12.4325	PPBV	100
29) BROMOETHENE	2.033	106	115108	11.0977	PPBV	100
30) ACRYLONITRILE	2.242	52	107283	11.4579	PPBV	99
31) METHYLENE CHLORIDE	2.396	84	108540	10.5320	PPBV	89
32) 3-CHLOROPROPENE	2.438	76	59738	11.1423	PPBV	84
33) FREON 113	2.493	151	187189	10.9505	PPBV	93
34) TRANS-1,2-DICHLOROETHENE	2.718	96	126956	10.8021	PPBV	95
35) TERTIARY BUTYL ALCOHOL	2.374	59	306556	11.0505	PPBV	96
36) METHYL TERTIARY BUTYL ...	2.824	73	366027	10.8908	PPBV	99
37) TETRAHYDROFURAN	3.506	72	61303	11.7708	PPBV	88
38) HEXANE	3.277	57	249173	11.6196	PPBV	97
39) VINYL ACETATE	2.863	86	31920	10.0346	PPBV	# 68
40) 1,1-DICHLOROETHANE	2.792	63	249262	11.8533	PPBV	99
41) METHYL ETHYL KETONE	2.956	72	64601	11.1674	PPBV	78
42) CIS-1,2-DICHLOROETHENE	3.152	96	132911	10.9794	PPBV	93
43) DIISOPROPYL ETHER	3.281	59	71761	12.0836	PPBV	89
44) ETHYL ACETATE	3.284	61	49085	11.9468	PPBV	74
45) METHYL ACRYLATE	3.271	55	296581	12.3104	PPBV	# 100
46) CHLOROFORM	3.300	83	279982	11.7645	PPBV	98
47) 2,4-DIMETHYLPENTANE	3.785	57	285423	12.0384	PPBV	97
48) 1,1,1-TRICHLOROETHANE	3.866	97	288442	11.3021	PPBV	97
49) CARBON TETRACHLORIDE	4.281	117	288610	11.4025	PPBV	100
50) 1,2-DICHLOROETHANE	3.702	62	226715	12.7237	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\01-07-2025\V7W415\
Data File : 7w11571.D
Acq On : 7 Jan 2025 9:29 pm
Operator : benk
Sample : cc405-10 Inst : MS7W
Misc : MS88278,v7w415,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 08 21:37:09 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51)	BENZENE	4.171	78	394233	11.3368	PPBV	96
53)	CYCLOHEXANE	4.377	84	171565	11.4842	PPBV	90
54)	2,3-DIMETHYLPENTANE	4.631	71	91843	11.7093	PPBV	88
55)	TRICHLOROETHENE	5.062	95	183788	11.4345	PPBV	99
56)	1,2-DICHLOROPROPANE	4.830	63	163195	11.9013	PPBV	100
57)	DIBROMOMETHANE	4.792	174	162791	10.7789	PPBV	100
58)	ETHYL ACRYLATE	4.946	55	359970	12.3548	PPBV	99
59)	BROMODICHLOROMETHANE	5.007	83	302617	11.8176	PPBV	99
60)	2,2,4-TRIMETHYLPENTANE	5.155	57	777339	12.7846	PPBV	99
61)	1,4-DIOXANE	5.078	88	95327	10.6365	PPBV	95
62)	HEPTANE	5.470	43	290499	13.5949	PPBV	93
63)	METHYL METHACRYLATE	5.367	69	151036	10.9979	PPBV	88
64)	METHYL ISOBUTYL KETONE	6.094	58	149677	11.7331	PPBV	94
65)	CIS-1,3-DICHLOROPROPENE	5.991	75	248142	11.5553	PPBV	95
66)	TOLUENE	7.187	91	493044	11.0352	PPBV	100
67)	1,3-DICHLOROPROPANE	7.248	76	250218	11.9912	PPBV	100
68)	TRANS-1,3-DICHLOROPROPENE	6.663	75	215825	10.6909	PPBV	96
69)	1,1,2-TRICHLOROETHANE	6.821	83	143975	11.7230	PPBV	100
70)	2-HEXANONE	7.756	58	203792	10.2304	PPBV	93
71)	ETHYL METHACRYLATE	7.888	69	252840	10.5898	PPBV	92
72)	TETRACHLOROETHENE	8.904	164	201722	11.9160	PPBV	98
73)	DIBROMOCHLOROMETHANE	7.721	129	291723	11.3057	PPBV	99
74)	1,2-DIBROMOETHANE	8.059	107	273980	12.1862	PPBV	100
75)	OCTANE	9.055	43	401711	13.2685	PPBV	93
77)	1,1,1,2-TETRACHLOROETHANE	10.120	131	214836	11.1846	PPBV	99
78)	CHLOROBENZENE	10.110	112	407200	11.6436	PPBV	97
79)	ETHYLBENZENE	10.985	91	666428	11.2583	PPBV	99
80)	M,P-XYLENE	11.419	91	1059728	22.8378	PPBV	97
81)	O-XYLENE	12.348	91	543847	11.6697	PPBV	100
82)	STYRENE	12.132	104	407789	12.2176	PPBV	99
83)	NONANE	13.467	43	431198	13.4703	PPBV	94
84)	BROMOFORM	11.229	173	258139	11.2040	PPBV	99
85)	1,1,2,2-TETRACHLOROETHANE	12.361	83	384889	12.4098	PPBV	100
86)	1,2,3-TRICHLOROPROPANE	12.644	75	306857	12.4014	PPBV	100
88)	ISOPROPYLBENZENE	13.859	120	203392	11.4239	PPBV	96
89)	BROMOBENZENE	13.724	77	379842	11.4447	PPBV	96
90)	2-CHLOROTOLUENE	14.853	126	181616	11.2137	PPBV	100
91)	N-PROPYLBENZENE	15.193	120	214820	11.9043	PPBV	99
92)	4-ETHYLTOLUENE	15.640	105	785520	12.1364	PPBV	99
93)	1,3,5-TRIMETHYLBENZENE	15.910	105	662218	12.1575	PPBV	98
94)	ALPHA-METHYLSTYRENE	16.216	118	330677	11.8870	PPBV	100
95)	TERT-BUTYLBENZENE	16.531	134	159535	12.2373	PPBV	97
96)	1,2,4-TRIMETHYLBENZENE	16.537	105	695260	12.6542	PPBV	98
97)	BENZYL CHLORIDE	16.627	91	469547	9.6512	PPBV	98
98)	M-DICHLOROBENZENE	16.598	146	445261	11.8813	PPBV	100
99)	P-DICHLOROBENZENE	16.692	146	451417	12.3763	PPBV	100
100)	O-DICHLOROBENZENE	17.010	146	424984	12.0097	PPBV	99
101)	SEC-BUTYLBENZENE	16.836	134	199328	12.2694	PPBV	95
102)	1,2,3-TRIMETHYLBENZENE	16.955	105	670374	12.1808	PPBV	99
103)	P-ISOPROPYLTOLUENE	17.029	134	217035	12.0513	PPBV	95
104)	N-BUTYLBENZENE	17.393	134	214921	12.2144	PPBV	92
105)	HEXACHLOROETHANE	17.569	117	222466	10.6127	PPBV	98
106)	HEXACHLOROBUTADIENE	18.624	225	346623	13.1678	PPBV	99
107)	1,2,4-TRICHLOROBENZENE	18.315	180	403728	13.3474	PPBV	100
108)	NAPHTHALENE	18.364	128	860534	12.8182	PPBV	100
110)	TVHC as equiv Pentane	2.271	TIC	734311	13.2820	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\01-07-2025\V7W415\
Data File : 7w11571.D
Acq On : 7 Jan 2025 9:29 pm
Operator : benk
Sample : cc405-10 Inst : MS7W
Misc : MS88278,v7w415,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 08 21:37:09 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

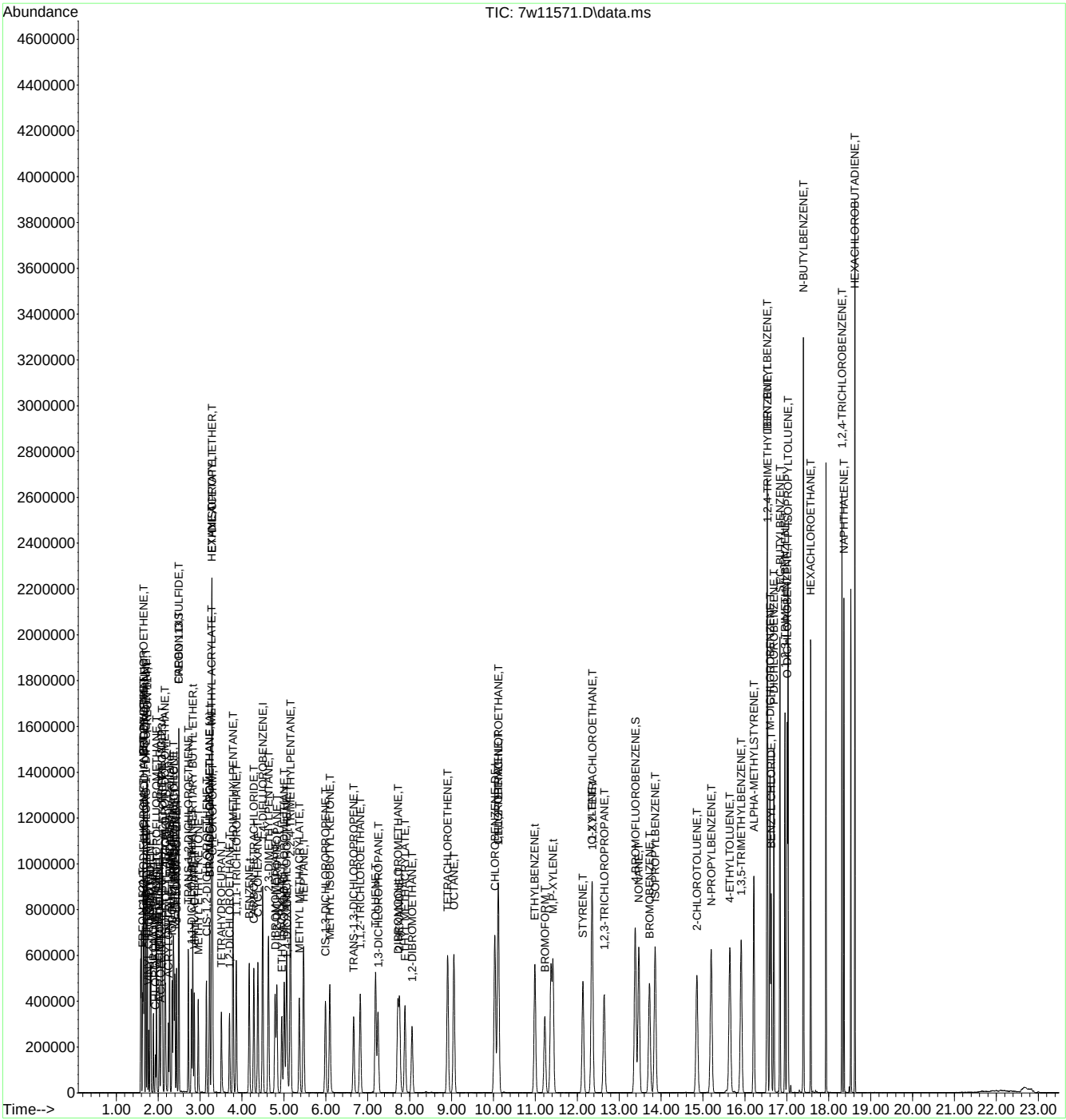
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\01-07-2025\V7W415\
Data File : 7w11571.D
Acq On : 7 Jan 2025 9:29 pm
Operator : benk
Sample : cc405-10 Inst : MS7W
Misc : MS88278,v7w415,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 08 21:37:09 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration



SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	A1739	AS9819	12/31/2024	100
TO-15 STD	A1784	AS10508	12/30/2024	0.5
TO-15 STD	A2040	AS10510	1/5/2025	5.0
TO-15 STD	A1788	AS10499	12/28/2024	50
TO-15 LCS	A1795	AS10507	12/29/2024	50
TO-15 LCS (Stock)	CC-305926	AS10352	6/12/2025	1000
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: V5W2125
Date: 12/8/2024
Laboratory Analyst: Benjamin Kim
Columns: Rtx-1 (60m x 0.32mm x 1.0um)
GCMS Method: 5WTO15.M
Sequence File: 5W20241208ical.S
Initial Calibration Method: M5W2125.M
Concentrator Method: 5WTO15A.CTD3
Data Validator(s): Thomas Hilbig

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS
1-6	ib	5w55453			A2040	20					-	
1-3	ib	5w55454			A1784	20					-	
1-2	ib	5w55455			A959	20					-	
1-2	ib	5w55456			A959	20					-	
1-2	ib	5w55457			A959	20					-	
1-3	bfb	5w55458			A1784	32					OK	T = 10:53
1-3	ic2125-0.04	5w55459			A1784	32			√	√	OK	
1-3	ic2125-0.1	5w55460			A1784	80			√	√	OK	
1-3	ic2125-0.2	5w55461			A1784	160			√	√	OK	
1-3	ic2125-0.5	5w55462			A1784	400					NOT USED	Testing Purposes
1-6	ic2125-0.5	5w55463			A2040	40			√	√	OK	
1-6	ic2125-5	5w55464			A2040	400			√	√	OK	
1-1	ic2125-5	5w55465			A1788	40					NOT USED	Testing Purposes
1-1	icc2125-10	5w55466			A1788	80			√	√	OK	
1-1	ic2125-20	5w55467			A1788	160			√	√	OK	
1-1	ic2125-40	5w55468			A1788	320			√	√	OK	
1-1	ic2125-50	5w55469			A1788	400			√	√	OK	
1-2	ib	5w55470			A959	200					-	
1-2	ib	5w55471			A959	100					-	
1-5	icv2125-10	5w55472			A1795	80					RR	Nap ↑
1-5	icv2125-10	5w55473			A1795	80			√	√	OK	

CANISTER SECONDARY DILUTION LOG

Pressure Gauge ID: TG -		5	Original Canister Dilution				Secondary Canister Dilution						
Date	**Initial**	**Sample ID**	**Canister SN**	**Vacuum at Time of Dilution (inHg)**	**Final Pressure (psig)**	**Dilution Factor**	**Canister SN**	**Canister Volume (cc)**	**Sample Volume Added (cc)**	**Final Pressure (psig)**	**Equivalent Total Volume (cc)**	**Dilution Factor**	**Final Canister Dilution Factor**

Definition: Final Canister Dilution Factor (DF) = (Original Canister DF) x (Secondary Canister DF)
Dilution Factor at Instrument = Final Canister Dilution Factor x [Nominal Sampling Volume (cc) / Sample Volume Injected (cc)]

Example: Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig (750cc equivalent volume). This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister, 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20 (from canister dilution) and 20 (from instrument dilution) = 400.

Notes:

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	A1739	AS9819	12/31/2024	100
TO-15 STD	A974	AS10497	12/28/2024	50
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: V5W2132
Date: 12/16/2024
Laboratory Analyst: Thomas Hilbig
Columns: Rtx-1 (60m x 0.32mm x 1.0um)
GCMS Method: 5WTO15.M
Sequence File: 5W20241216.S
Initial Calibration Method: M5W2125.M
Concentrator Method: 5WTO15A.CTD3
Data Validator(s): Geralyn Gomez
Data Validator(s): Kristel Valladolid

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS
1-2	bfb	5w55661			A959	20					RR	
1-1	cc2125-10	5w55662			A974	80					RR	Acetone ↓, acrylonitrile ↓. Retune instrument
1-2	bfb	5w55663			a959	20					OK	T = 12:41
1-1	cc2125-10	5w55664			A974	80			√	√	OK	THF ↑, MEK ↑, HCBD ↑
1-1	bs	5w55665			A974	80			√	√	OK	CDFM ↑, THF ↑, MEK ↑, HCBD ↑
1-1	bsd	5w55666			A974	80			√	√	OK	CDFM ↑, MTBE ↑, THF ↑, MEK ↑, ethyl acetate ↑, 12DCA ↑, T-1,3-TCP ↑, HCBD ↑
1-1	ib	5w55667			a974	80					-	
1-2	ib	5w55668			a959	100					-	
1-2	mb	5w55669			a959	400						
1-3	mb	5w55670			a1800	400		+	√	√	OK	
1-3	scc,cp12944	5w55670a			a1800	400			√	√	OK	
1-4	scc,cp12944	5w55671			a1844	400			√	√	OK	
1-5	scc,cp12944	5w55672			a343	400			√	√	OK	
1-6	je2487-2	5w55673	MS88104	NYLL	a1678	500	1		√	√	OK/DL	f/d
1-7	je2487-4	5w55674	MS88104	NYLL	a1659	500	1		√	√	OK/DL	f/d
1-7	je2487-4dup	5w55675	MS88104	NYLL	a1659	500	1		√	√	OK	
1-8	je2487-6	5w55676	MS88104	NYLL	a1284	500	1		√	√	OK/DL	f/d
1-9	je1101-6r	5w55677	MS87842	STD+, Nap	a1682	100	1		√	√	OK	
1-10	je1101-7r	5w55678	MS87842	STD+, Nap	a1740	100	1		√	√	OK	
1-11	je1101-8r	5w55679	MS87842	STD+, Nap	a770	100	1		√	√	OK	
1-12	je1101-9r	5w55680	MS87842	STD+, Nap	a1656	100	1		√	√	OK	
1-13	je2021-1	5w55681	MS87842	STD	tbag,m323	40	1		√	√	OK	
1-14	je2021-2	5w55682	MS87842	STD	tbag,a599	100	1		√	√	OK	
1-15	je2387-1	5w55683	MS88056	STD, Nap	a1905	100	1		√	√	OK	
1-16	je2387-2	5w55684	MS88056	STD, Nap	a2351	100	1		√	√	OK	
1-2	je2387-3	5w55685	MS88056	STD, Nap	a2554	100	1		√	√	OK	
1-3	je1889-1	5w55686	MS87800	STD	m223	100	1		√	√	OK	
1-4	je2389-1	5w55687	MS88056	STD,propbenz, cumene	a2359	100	1		√	√	OK	
1-5	scc,cp12943	5w55688			a646	400			√	√	OK	
1-6	je2484-1	5w55689	MS88104	STD+, Nap	a1613	400	1	+	√	√	OK	
1-7	je2478-1	5w55690	MS88104	STD+, Nap	a1751	400	1	+	√	√	OK	
1-8	je2478-2	5w55691	MS88104	STD+, Nap	a1730	400	1	+	√	√	OK	
1-3	je2781-1	5w55692		SL	a1650	400	1		√	√	OK	
1-4	je2781-2	5w55693		SL	a1665	400	1		√	√	OK	
1-4	je2781-2	5w55694		SL	a1665	100	1		√	√	OK	

CANISTER SECONDARY DILUTION LOG

Pressure Gauge ID: TG -		5	Original Canister Dilution				Secondary Canister Dilution						
Date	**Initial**	**Sample ID**	**Canister SN**	**Vacuum at Time of Dilution (inHg)**	**Final Pressure (psig)**	**Dilution Factor**	**Canister SN**	**Canister Volume (cc)**	**Sample Volume Added (cc)**	**Final Pressure (psig)**	**Equivalent Total Volume (cc)**	**Dilution Factor**	**Final Canister Dilution Factor**
12/6/2024	TH	JE2021-1	tbag,M323		0.28	1.00					0	#DIV/0!	**1.00**
12/6/2024	TH	JE2021-2	tbag,A599		1.02	1.00					0	#DIV/0!	**1.00**

Definition: Final Canister Dilution Factor (DF) = (Original Canister DF) x (Secondary Canister DF)
Dilution Factor at Instrument = Final Canister Dilution Factor x [Nominal Sampling Volume (cc) / Sample Volume Injected (cc)]

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	A1739	AS9819	12/31/2024	100
TO-15 STD	A974	AS10497	12/28/2024	50
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: V5W2132
Date: 12/16/2024
Laboratory Analyst: Thomas Hilbig
Columns: Rtx-1 (60m x 0.32mm x 1.0um)
GCMS Method: 5WTO15.M
Sequence File: 5W20241216.S
Initial Calibration Method: M5W2125.M
Concentrator Method: 5WTO15A.CTD3
Data Validator(s): Geralyn Gomez
Data Validator(s): Kristel Valladolid

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS

Example: Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig (750cc equivalent volume). This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister, 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20 (from canister dilution) and 20 (from instrument dilution) = 400.

Notes:

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	A1739	AS9819	12/31/2024	100
TO-15 STD	A974	AS10497	12/28/2024	50
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: V5W2133
Date: 12/17/2024
Laboratory Analyst: Thomas Hilbig
Columns: Rtx-1 (60m x 0.32mm x 1.0um)
GCMS Method: 5WTO15.M
Sequence File: 5W20241217.S
Initial Calibration Method: M5W2125.M
Concentrator Method: 5WTO15A.CTD3
Data Validator(s): Geralyn Gomez

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS
1-2	bfb	5w55695			Open position	20					RR	
1-1	cc2125-10	5w55696			A974	80					RR	canister valve closed
1-1	cc2125-10	5w55697			a974	80					RR	Bad injection.
1-1	cc2125-10	5w55698			a974	80					RR	Acetone ↓. Retune instrument
1-2	bfb	5w55699			Open position	20					OK	T = 19:52
1-1	cc2125-10	5w55700			a974	80			√	√	OK	THF ↑, MEK ↑, diisopropyl ether ↑, ethyl acetate ↑, ethyl acrylate ↑, bromoform ↑, HCBD ↑, 124TCB ↑
1-1	bs	5w55701			a974	80			√	√	OK	MEK ↑, bromoform ↑, HCBD ↑, 124TCB ↑
1-1	bsd	5w55702			a974	80					RR	Bad injection.
1-1	bsd	5w55703			a974	80			√	√	OK	THF ↑, MEK ↑, ethyl acetate ↑, ethyl acrylate ↑, bromoform ↑, HCBD ↑
1-2	ib	5w55704			a2039	80					-	
1-2	ib	5w55705			a2039	200					-	
1-2	mb	5w55706			a2039	400			√	√	OK	
1-3	scc,cp12947	5w55707			a061	400			√	√	OK	
1-4	scc,cp12946	5w55708			a2175	400			√	√	RECLEAN	Multiple hits.
1-3	scc,cp12948	5w55709			a2150	400			√	√	OK	
1-4	scc,cp12946	5w55710			a1184	400			√	√	RECLEAN	Nap ↑, 124TCB ↑
1-3	scc,cp12946	5w55711			m162	400			√	√	RECLEAN	ethanol hit
1-2	scc,cp12947	5w55712			a466	400			√	√	OK	
1-4	scc,cp12946	5w55713			a1184	400			√	√	OK	
1-3	scc,cp12947	5w55714			a2119	400			√	√	OK	
1-5	je2488-1	5w55715	MS88104	NYLL	a1324	500	1		↓123	√	RR	ISTD out
1-6	je2488-2	5w55716	MS88104	NYLL	a879	500	1		↓1	√	OK	for QC purpose only
1-6	je2488-2dup	5w55717	MS88104	NYLL	a879	500	1		↑1	√	OK	
1-7	je2489-2	5w55718	MS88104	NYLL	a1629	500	1		↓123	√	OK/DL	ISTD out
1-8	je2489-4	5w55719	MS88104	NYLL	a1190	500	1		↓123	√	RR	ISTD out
1-9	je2490-2	5w55720	MS88104	NYLL	a1736	500	1		↓1	√	OK/DL	
1-10	je2490-4	5w55721	MS88104	NYLL	a2540	500	1		√	√	OK/DL	
1-11	je2491-2	5w55722	MS88104	NYLL	a1735	500	1		√	√	OK/DL	
1-12	je2491-4	5w55723	MS88104	NYLL	a1688	500	1		√	√	OK/DL	
1-13	je2487-2	5w55724	MS88104	NYLL	a1678	100	1		√	√	OK	
1-14	je2487-4	5w55725	MS88104	NYLL	a1659	20	1		√	√	OK	
1-15	je2487-6	5w55726	MS88104	NYLL	a1284	100	1					Sequence stopped by analyst
1-16	je2487-3	5w55727	MS88104	NYSVLL	a1737	200	1					Sequence stopped by analyst

CANISTER SECONDARY DILUTION LOG

Pressure Gauge ID: TG -	5	Original Canister Dilution				Secondary Canister Dilution						
Date	Initial	Sample ID	Canister SN	Vacuum at Time of	Final Pressure (psig)	Dilution Factor	Canister SN	Canister	Sample Volume	Final Pressure	Equivalent Total Volume	Dilution Factor	Final Canister Dilution Factor

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	A1739	AS9819	12/31/2024	100
TO-15 STD	A974	AS10497	12/28/2024	50
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: V5W2133
Date: 12/17/2024
Laboratory Analyst: Thomas Hilbig
Columns: Rtx-1 (60m x 0.32mm x 1.0um)
GCMS Method: 5WTO15.M
Sequence File: 5W20241217.S
Initial Calibration Method: M5W2125.M
Concentrator Method: 5WTO15A.CTD3
Data Validator(s): Geralyn Gomez

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE		Canister	Injection	Dilution	TICS	Areas		STATUS	COMMENTS	
						SN	Volume (cc)			IS	SS			
Date	Initial	Sample ID	Canister SN	Dilution (inHg)	Final Pressure (psig)	Dilution Factor	Canister SN	Volume (cc)	Added (cc)	(psig)		(cc)	Dilution Factor	Final Canister Dilution Factor

Definition: Final Canister Dilution Factor (DF) = (Original Canister DF) x (Secondary Canister DF)
Dilution Factor at Instrument = Final Canister Dilution Factor x [Nominal Sampling Volume (cc) / Sample Volume Injected (cc)]

Example: Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig (750cc equivalent volume). This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister, 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20 (from canister dilution) and 20 (from instrument dilution) = 400.

Notes:

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	A1739	AS9819	12/31/2024	100
TO-15 STD	A974	AS10497	12/28/2024	50
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: V5W2136
Date: 12/20/2024
Laboratory Analyst: Thomas Hilbig
Columns: Rtx-1 (60m x 0.32mm x 1.0um)
GCMS Method: 5WTO15.M
Sequence File: 5W20241220.S
Initial Calibration Method: M5W2125.M
Concentrator Method: 5WTO15A.CTD3
Data Validator(s): Lucky Carandang

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS
1-2	bfb	5w55775			a2039	20					RR	
1-1	cc2125-10	5w55776			A974	80					NG	Multiple compounds ↑ retune instrument.
1-2	bfb	5w55777			a2039	20					OK	T = 10:31
1-1	cc2125-10	5w55778			A974	80			√	√	OK	F115 ↑, acetone ↓, THF ↑, MEK ↑, EACE ↑, DBM ↑, BMF ↑, HCBD ↑, 124TCB ↑
1-1	bs	5w55779			A974	80			√	√	OK	F115 ↑, 1,3-butadiene ↓, acetone ↓, THF ↑, MEK ↑, DBM ↑, BMF ↑, HCBD ↑, 124TCB ↑
1-1	bsd	5w55780			A974	80					RR	
1-1	bsd	5w55781			A974	80			√	√	OK	1,3-butadiene ↑, butane ↑, BRM ↑, CE ↑, ACNIT ↑, ACE ↑, EtOH ↑, THF ↑, MEK ↑, DBM ↑, EMC ↑, BMF ↑, HCBD ↑, 124TCB ↑
1-2	ib	5w55782			a2039	400					-	
1-2	mb	5w55783			a2039	400			√	√	OK	
1-3	je2665-1	5w55784	MS88187	STD, Nap	a2388	100	1		√	√	OK	
1-3	je2665-1dup	5w55785	MS88187	STD, Nap	a2388	100	1		√	√	OK	
1-4	je2489-2	5w55786	MS88104	NYLL	a1629	725	1.45		√	√	OK	
1-4	je2489-2	5w55787	MS88104	NYLL	a1629	100	1.45		√	√	OK	
1-5	je2489-3	5w55788	MS88104	NYSVLL	a1641	400	1		√	√	OK	
1-6	je2489-4	5w55789	MS88104	NYLL	a1190	740	1.48		√	√	OK	
1-7	je2490-1	5w55790	MS88104	NYSVLL	a761	80	1		√	√	OK	f/d
1-8	je2490-2	5w55791	MS88104	NYLL	a1736	725	1.45		√	√	OK	
1-8	je2490-2	5w55792	MS88104	NYLL	a1736	10	1.45		√	√	OK	
1-9	je2490-3	5w55793	MS88104	NYSVLL	a1293	200	1		√	√	OK	
1-10	je2490-4	5w55794	MS88104	NYLL	a2540	20	1		√	√	OK	
1-11	je2491-1	5w55795	MS88104	NYSVLL	a1726	100	1		√	√	OK	
1-12	je2491-2	5w55796	MS88104	NYLL	a1735	10	1		√	√	OK	f/d
1-13	je2491-3	5w55797	MS88104	NYSVLL	a1480	200	1		√	√	OK	
1-14	je2491-4	5w55798	MS88104	NYLL	a1688	10	1		√	√	OK	f/d
1-15	je2670-1	5w55799	MS88187	8010L	a1867	400	1		√	√	OK	
1-16	je2670-2	5w55800	MS88187	8010L	a1339	400	1		√	√	OK	

CANISTER SECONDARY DILUTION LOG

Pressure Gauge ID: TG -		5	Original Canister Dilution				Secondary Canister Dilution						
Date	**Initial**	**Sample ID**	**Canister SN**	**Vacuum at Time of Dilution (inHg)**	**Final Pressure (psig)**	**Dilution Factor**	**Canister SN**	**Canister Volume (cc)**	**Sample Volume Added (cc)**	**Final Pressure (psig)**	**Equivalent Total Volume (cc)**	**Dilution Factor**	**Final Canister Dilution Factor**
12/20/2024	TH	je2489-2	a1629	7.5	1.30	1.45					0	#DIV/0!	**1.45**
12/20/2024	TH	je2489-4	a1190	8.0	1.20	1.48					0	#DIV/0!	**1.48**
12/20/2024	TH	je2490-2	a1736	7.5	1.30	1.45					0	#DIV/0!	**1.45**

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	A1739	AS9819	12/31/2024	100
TO-15 STD	A974	AS10497	12/28/2024	50
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: **V5W2136**
Date: **12/20/2024**
Laboratory Analyst: **Thomas Hilbig**
Columns: Rtx-1 (60m x 0.32mm x 1.0um)
GCMS Method: 5WTO15.M
Sequence File: 5W20241220.S
Initial Calibration Method: M5W2125.M
Concentrator Method: 5WTO15A.CTD3
Data Validator(s): **Lucky Carandang**

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS
Definition:	Final Canister Dilution Factor (DF) = (Original Canister DF) x (Secondary Canister DF) Dilution Factor at Instrument = Final Canister Dilution Factor x [Nominal Sampling Volume (cc) / Sample Volume Injected (cc)]											
Example:	Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig (750cc equivalent volume). This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister, 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20 (from canister dilution) and 20 (from instrument dilution) = 400.											
Notes:												

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	A1739	AS9819	12/31/2024	100
TO-15 STD	A974	AS10497	12/28/2024	50
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: V5W2138
Date: 12/23/2024
Laboratory Analyst: Thomas Hilbig
Columns: Rtx-1 (60m x 0.32mm x 1.0um)
GCMS Method: 5WTO15.M
Sequence File: 5W20241223.S
Initial Calibration Method: M5W2125.M
Concentrator Method: 5WTO15A.CTD3
Data Validator(s): Geralyn Gomez
Data Validator(s): Kristel Valladolid

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS
1-2	bfb	5w55817			a2039	20					RR	
1-1	bfb	5w55818			A974	80					OK	T = 08:13
1-1	cc2125-10	5w55819			A974	80			√	√	OK	BMF ↑, HCBD ↑, 124TCB ↑
1-1	bs	5w55820			A974	80			√	√	OK	BMF ↑, HCBD ↑, 124TCB ↑
1-1	bsd	5w55821			A974	80			√	√	OK	BMF ↑, HCBD ↑, 124TCB ↑
1-2	ib	5w55822			a2039	400			√	√	OK	
1-2	mb	5w55823			a2039	400			√	√	OK	
1-2	scc,cp12951	5w55824			a1634	400			√	√	OK	
1-3	je2315-1	5w55825	MS88014	STD	a210	400	1		√	√	OK	
1-3	je2315-1dup	5w55826	MS88014	STD	a210	400	1		√	√	OK	
1-4	je2487-1	5w55827	MS88104	NYSVLL, Nap	m140	100	1		√	√	OK	
1-5	je2487-5	5w55828	MS88104	NYSVLL, Nap	a1597	100	1		√	√	OK	
1-6	je2489-1	5w55829	MS88104	NYSVLL, Nap	a231	400	1		√	√	OK	
1-7	je2490-1	5w55830	MS88104	NYSVLL, Nap	a1761	20	1		√	√	OK	
1-8	je2491-2	5w55831	MS88104	NYLL, Nap	a1735,m442	200	135		√	√	OK	
1-9	je2491-4	5w55832	MS88104	NYLL, Nap	a1688	5	1		√	√	OK/DL	Acetate ↑ RR 200x
1-10	je2661-3	5w55833	MS88187	STD	a664	400	1		√	√	OK	
1-11	je2661-4	5w55834	MS88187	STD	m116	400	1		√	√	OK	
1-12	je2661-5	5w55835	MS88187	STD	a2137	400	1		√	√	OK	
1-13	je2792-1	5w55836	MS88386	STD	a738	400	1		√	√	OK	
1-14	je2792-2	5w55837	MS88386	STD	a2109	400	1		√	√	OK	
1-15	je2792-3	5w55838	MS88386	STD	a1817	400	1		√	√	OK/DL	Ethyl acetate ↑ RR 100mL
1-16	je2792-4	5w55839	MS88386	STD	a1873	720	1.8		√	√	OK	
1-2	je2792-5	5w55840	MS88386	STD	m137	400	1				RR	Canister valve closed.

CANISTER SECONDARY DILUTION LOG

Pressure Gauge ID: TG -		5	Original Canister Dilution				Secondary Canister Dilution						
Date	**Initial**	**Sample ID**	**Canister SN**	**Vacuum at Time of Dilution (inHg)**	**Final Pressure (psig)**	**Dilution Factor**	**Canister SN**	**Canister Volume (cc)**	**Sample Volume Added (cc)**	**Final Pressure (psig)**	**Equivalent Total Volume (cc)**	**Dilution Factor**	**Final Canister Dilution Factor**
12/23/2024	TH	je2491-2	a1735	6.0	1.20	1.35	m442	1000	20	14.7	2000	100	**135**

Definition: Final Canister Dilution Factor (DF) = (Original Canister DF) x (Secondary Canister DF)
Dilution Factor at Instrument = Final Canister Dilution Factor x [Nominal Sampling Volume (cc) / Sample Volume Injected (cc)]

Example: Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig (750cc equivalent volume). This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister, 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20 (from canister dilution) and 20 (from instrument dilution) = 400.

Notes:

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Conc. (ppbv)**
Internal/Surrogate	1738	AS10298	5/31/2025	100
TO-15 STD	A2038	AS10402	9/18/2024	0.5
TO-15 STD	A2045	AS10401	9/18/2024	5.0
TO-15 STD	A1805	AS10384	9/14/2024	50
TO-15 LCS	A1795	AS10393	9/15/2024	50
TO-15 LCS (Stock)	CC-305926	AS10352	6/12/2025	1000
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: V7W305
Date: 8/18/2024
Laboratory Analyst: Benjamin Kim
Columns: Rtx-1 (60mx0.32mmx1.0um)
GCMS Method: 7WTO15SPLIT.M
Sequence File: 7W20240818ical.S
Initial Calibration Method: M7W305.M
Concentrator Method: 7WTO15.7200A.CTD
Data Validator: Benjamin Kim

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS
2-5	ib	7w07973			A2036	100					-	
2-1	bfb	7w07974			A2038	32					OK	T = 21:06
2-1	ic305-0.04	7w07975	MS80966	STD+NAP	A2038	32			√	√	OK	
2-1	ic305-0.1	7w07976	MS80966	STD+NAP	A2038	80			√	√	OK	
2-1	ic305-0.2	7w07977	MS80966	STD+NAP	A2038	160			√	√	OK	
2-2	ic305-0.5	7w07978	MS80966	STD+NAP	A2045	40			√	√	OK	
2-2	ic305-5	7w07979	MS80966	STD+NAP	A2045	400			√	√	OK	
2-3	icc305-10	7w07980	MS80966	STD+NAP	A1805	80			√	√	OK	
2-3	ic305-20	7w07981	MS80966	STD+NAP	A1805	160			√	√	OK	
2-3	ic305-40	7w07982	MS80966	STD+NAP	A1805	320			√	√	OK	
2-3	ic305-50	7w07983	MS80966	STD+NAP	A1805	400			√	√	OK	
2-5	ib	7w07984			A2036	20					-	
2-5	ib	7w07985			A2036	100					-	
2-4	icv305-10	7w07986	MS80966	STD+NAP	A1795	100					NOT USED	Wrong volume.
2-5	ib	7w07987			A2036	100					-	
2-5	ib	7w07988			A2036	100					-	
2-5	ib	7w07989			A2036	100					-	
2-4	icv305-10	7w07990	MS80966	STD+NAP	A1795	80			√	√	OK	↑ Benzyl Chloride

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	1738	AS10298	5/31/2025	100
TO-15 STD	a1805	AS10476	11/28/2024	50
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: V7W387
Date: 11/18//2024
Laboratory Analyst: Thomas Hilbig
Column DB-1: 30m x 0.25mm x 0.5um
GCMS Method: 7WTO15SPLIT.M
Sequence File: 7W20241118.S
Initial Calibration Method: M7W305.M
Concentrator Method: 7WTO15C.7200A.CTD
Data Validator(s): Lucky Carandang
Data Validator(s): Kristel Valladolid

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS
C1	bfb	7w10575			a2039	20					OK	t = 08:59
C2	cc305-10	7w10576			a1805	80			√	√	OK	Benzyl chloride ↑, F115 ↑
C2	bs	7w10577			a1805	80			√	√	OK	Benzyl chloride ↑, F115 ↑, F152A ↑
C2	bsd	7w10578			a1805	80			√	√	OK	Benzyl chloride ↑, F115 ↑, F152A ↑
C1	ib	7w10579			a2039	100					-	
C1	mb	7w10580			a2039	400		+	√	√	OK	
C3	je571-1	7w10581	MS87221	VTO15NYLL3NG42A+20, F142B	m036	100	1		√	√	RR	Bad purge
C4	jd99820-1	7w10582	MS86930	SL1	a900	400	1		√	√	OK	
C4	jd99820-1dup	7w10583	MS86930	SL1	a900	400	1		√	√	OK	
C5	je569-1	7w10584	MS87221	STD+, Nap	a473	400	1	+	√	√	OK	
C6	je569-3	7w10585	MS87221	STD+, Nap	a345	400	1	+	√	√	RR	Bad purge
C7	je569-4	7w10586	MS87221	STD+, Nap	a1835	400	1	+	√	√	OK	
C8	je569-5	7w10587	MS87221	STD+, Nap	a1350	400	1	+	√	√	OK	
C9	je569-6	7w10588	MS87221	STD+, Nap	a1301	400	1	+	√	√	OK	
D1	je569-8	7w10589	MS87221	STD+, Nap	m226	400	1	+			RR	4-Bromofluorobenzene RT shift
D2	je569-9	7w10590	MS87221	STD+, Nap	m118	400	1	+	√	√	OK	
D3	je603-1	7w10591	MS87221	STD+, Nap	a1645	400	1	+	√	√	OK	
D4	je603-2	7w10592	MS87221	STD+, Nap	a357	400	1	+	√	√	OK	
C3	je571-1	7w10593	MS87221	VTO15NYLL3NG42A+20, F142B	m036	100	1		√	√	OK	
A1	jd435-1	7w10594	MS87175	STD, Nap	a1972	100	1		√	√	OK	
A2	jd435-5	7w10595	MS87175	STD, Nap	a2269	100	1		√	√	OK	
A3	jd435-6	7w10596	MS87175	STD, Nap	a2569	100	1		√	√	OK	
A4	jd605-1	7w10597	MS87221	STD, Nap	a2586	100	1		√	√	OK	
A5	jd605-2	7w10598	MS87221	STD, Nap	a2596	100	1		√	√	OK	
A6	jd605-3	7w10599	MS87221	STD, Nap	a2271	100	1		√	√	OK	
A7	jd99809-1	7w10600	MS86930	PAUGTMB, EDB, EDC	a1524	100	1		√	√	RR	ISTD/SURR RT shift
A8	jd99809-2	7w10601	MS86930	PAUGTMB, EDB, EDC	a2305	100	1		√	√	OK	
A9	jd99809-3	7w10602	MS86930	PAUGTMB, EDB, EDC	a2198	100	1		√	√	OK	
A10	scc, cp12923	7w10603			a2567	100			√	√	OK	
B1	scc, cp12924	7w10604			a1450	100			√	√	OK	
D5	scc, cp12922	7w10605			a779	400			√	√	OK	
D6	scc, cp12922	7w10606			a1171	400			√	√	OK	
D7	scc, cp12922	7w10607			m053	400			√	√	OK	
C6	je569-3	7w10608	MS87221	STD+, Nap	a345	400	1	+	√	√	OK	6:51

CANISTER SECONDARY DILUTION LOG

Pressure Gauge ID: TG -		5	Original Canister Dilution				Secondary Canister Dilution						
Date	**Initial**	**Sample ID**	**Canister SN**	**Vacuum at Time of Dilution (inHg)**	**Final Pressure (psig)**	**Dilution Factor**	**Canister SN**	**Canister Volume (cc)**	**Sample Volume Added (cc)**	**Final Pressure (psig)**	**Equivalent Total Volume (cc)**	**Dilution Factor**	**Final Canister Dilution Factor**

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	1738	AS10298	5/31/2025	100
TO-15 STD	a1805	AS10476	11/28/2024	50
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: **V7W387**
Date: **11/18//2024**
Laboratory Analyst: **Thomas Hilbig**
Column DB-1: 30m x 0.25mm x 0.5um
GCMS Method: 7WTO15SPLIT.M
Sequence File: 7W20241118.S
Initial Calibration Method: M7W305.M
Concentrator Method: 7WTO15C.7200A.CTD
Data Validator(s): **Lucky Carandang**
Data Validator(s): **Kristel Valladolid**

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE		Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS	

Definition:	Final Canister Dilution Factor (DF) = (Original Canister DF) x (Secondary Canister DF) Dilution Factor at Instrument = Final Canister Dilution Factor x [Nominal Sampling Volume (cc) / Sample Volume Injected (cc)]
Example:	Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig (750cc equivalent volume). This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister, 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20 (from canister dilution) and 20 (from instrument dilution) = 400.
Notes:	

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	1738	AS10298	5/31/2025	100
TO-15 STD	a1806	AS10475	11/28/2024	50
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: V7W392
Date: 11/25/2024
Laboratory Analyst: William Cruser
Column DB-1: 30m x 0.25mm x 0.5um
GCMS Method: 7WTO15SPLIT.M
Sequence File: 7W20241125.S
Initial Calibration Method: M7W305.M
Concentrator Method: 7WTO15C.7200A.CTD
Data Validator(s): Geralyn Gomez
Data Validator(s): Lucky Carandang

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS
C1	bfb	7w10742			a2039	20					OK	t = 08:36
C2	cc305-10	7w10743			a1806	80			√	√	OK	Benzyl chloride ↑
C2	bs	7w10744			a1806	80			√	√	OK	Benzyl chloride ↑
C2	bsd	7w10745			a1806	80			√	√	OK	Benzyl chloride ↑
C1	ib	7w10746			a2039	100					-	
C1	mb	7w10747			a2039	100			√	√	OK	
D1	je988-1	7w10748	MS87406	STD	a673	5	1		√	√	OK	
D2	je988-2	7w10749	MS87406	STD	a1091	5	1		√	√	OK	
D3	je988-3	7w10750	MS87406	STD	a845	5	1		√	√	OK	
D4	je988-4	7w10751	MS87406	STD	a1318	5	1		√	√	OK	
D5	je988-5	7w10752	MS87406	STD	a992	400	1		√	√	OK	
A1	je994-1	7w10753	MS87406	SL	a2210	80	1		↑3		RR	surr out; istd out
A2	je994-2	7w10754	MS87406	SL	a2300	100	1		√	√	OK	
A2	je994-2dup	7w10755	MS87406	SL	a2300	100	1				RR	bad injection
A2	je994-2dup	7w10756	MS87406	SL	a2300	100	1				RR	bad injection
A3	je1061-1	7w10757	MS87455	SL	a2253	20	1		√	√	OK	
A4	je1061-3	7w10758	MS87455	SL	a2380	10	1		√	√	RR/FD	
A5	je1061-4	7w10759	MS87455	SL	a2243	10	1		√	√	RR/FD	
A6	je1061-5	7w10760	MS87455	SL	a2225	5	1		√	√	RR/FD	
A7	je1061-7	7w10761	MS87455	SL	a2287	10	1		√	√	RR/FD	
C1	ib	7w10762			a2039	20					-	
A8	je1061-2	7w10763	MS87455	SL	a2431	100	1		√	√	OK	
A9	je1061-9	7w10764	MS87455	SL	a2209	100	1		√	√	OK	
A10	je1061-10	7w10765	MS87455	SL	a2270	100	1		√	√	OK	
D6	je1061-6	7w10766	MS87455	SL	a2581,m163	400	260		√	√	OK	
D7	je1061-8	7w10767	MS87455	SL	a2587,a1758	400	266		√	√	OK	
C3	je369-3	7w10768	MS87131	SL3	a233	400	1		√	√	OK	
C4	je369-4	7w10769	MS87131	SL3	a2160	400	1		√	√	RR	low ISTD
C5	je369-5	7w10770	MS87131	SL3	a216	400	1		√	√	RR	RT shift
A1	je994-1	7w10771	MS87406	SL	a2210	100	1		√	√	OK	
C6	scc,cp12920	7w10772			a1623	400			√	√	OK	
C7	scc,cp12920	7w10773			a1689	400			√	√	OK	
C8	scc,cp12920	7w10774			a2010	400			√	√	OK	
C9	scc,cp12920	7w10775			a2095	400			√	√	OK	
D1	scc,cp12926	7w10776			a2187	400			√	√	RECLEAN	
D8	scc,cp12926	7w10777			a1858	400			√	√	OK	
D9	scc,cp12926	7w10778			a2144	400			√	√	RECLEAN	
A10	je1061-10dup	7w10779	MS87455	SL	a2270	100	1		√	√	OK	

CANISTER SECONDARY DILUTION LOG

Pressure Gauge ID: TG -		5	Original Canister Dilution				Secondary Canister Dilution						
Date	**Initial**	**Sample ID**	**Canister SN**	**Vacuum at Time of Dilution (inHg)**	**Final Pressure (psig)**	**Dilution Factor**	**Canister SN**	**Canister Volume (cc)**	**Sample Volume Added (cc)**	**Final Pressure (psig)**	**Equivalent Total Volume (cc)**	**Dilution Factor**	**Final Canister Dilution Factor**
11/25/2024	wc	je1061-6	a2581	5.0	1.20	1.30	m163	6000	50	9.8	10000	200	**260**
11/25/2024	wc	je1061-8	a2587	5.5	1.20	1.33	a1758	6000	50	9.8	10000	200	**266**

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	1738	AS10298	5/31/2025	100
TO-15 STD	a1806	AS10475	11/28/2024	50
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: V7W392
Date: 11/25/2024
Laboratory Analyst: William Cruser
Column DB-1: 30m x 0.25mm x 0.5um
GCMS Method: 7WTO15SPLIT.M
Sequence File: 7W20241125.S
Initial Calibration Method: M7W305.M
Concentrator Method: 7WTO15C.7200A.CTD
Data Validator(s): Geralyn Gomez
Data Validator(s): Lucky Carandang

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE		Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS		COMMENTS	

Definition: Final Canister Dilution Factor (DF) = (Original Canister DF) x (Secondary Canister DF)
Dilution Factor at Instrument = Final Canister Dilution Factor x [Nominal Sampling Volume (cc) / Sample Volume Injected (cc)]

Example: Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig (750cc equivalent volume). This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister, 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20 (from canister dilution) and 20 (from instrument dilution) = 400.

Notes:

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	1738	AS10298	5/31/2025	100
TO-15 STD	a1806	AS10475	11/28/2024	50
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: V7W394
Date: 11/27/2024
Laboratory Analyst: Benjamin Kim
Column DB-1: 30m x 0.25mm x 0.5um
GCMS Method: 7WTO15SPLIT.M
Sequence File: 7W20241127.S
Initial Calibration Method: M7W305.M
Concentrator Method: 7WTO15C.7200A.CTD
Data Validator(s): Benjamin Kim

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS
C1	bfb	7w10805			A2039	20						
C2	cc305-10	7w10806			A1806	80					NOT USED	retune
C1	bfb	7w10807			A2039	20						
C2	cc305-10	7w10808			A1806	80					NOT USED	retune
C1	bfb	7w10809			A2039	20					OK	T = 18:19
C2	cc305-10	7w10810			A1806	80			√	√	OK	↑ Benzyl chloride, F142B
C2	bs	7w10811			A1806	80			√	√	OK	↑ Multiple Hits
C2	bsd	7w10812			A1806	80			√	√	OK	↑ Multiple Hits
C1	ib	7w10813			A2039	100					-	
C1	mb	7w10814			A2039	100			√	√	OK	Canister Certification Only!
A1	scc,cp12916	7w10815			A1207	100					RECLEAN	↑ Multiple Hits
A2	scc,cp12916	7w10816			A1236	100			√	√	OK	
A3	scc,cp12916	7w10817			A1234	100			√	√	OK	
A4	scc,cp12916	7w10818			A1218	100			√	√	OK	
A5	scc,cp12916	7w10819			A1216	100			√	√	OK	
A6	scc,cp12916	7w10820			A1225	100			√	√	OK	
A7	scc,cp12916	7w10821			A1212	100					RECLEAN	↑ TCE
A8	scc,cp12916	7w10822			A1221	100			√	√	OK	
A9	scc,cp12916	7w10823			A1232	100			√	√	OK	
A10	scc,cp12916	7w10824			A1231	100			√	√	OK	
D8	scc,cp12916	7w10825			A1237	100			√	√	OK	
D9	scc,cp12916	7w10826			A1243	100			√	√	OK	
C3	scc,cp12905	7w10827			A793	100					RECLEAN	↑ Acetone
C4	scc,cp12903	7w10828			A518	100			√	√	OK	
C5	scc,cp12903	7w10829			M195	100					RECLEAN	↑ Multiple Hits
C6	scc,cp12903	7w10830			A419	100					RECLEAN	↑ Acetone
C7	scc,cp12897	7w10831			A792	100			√	√	OK	
C8	scc,cp12884	7w10832			M331	100					RECLEAN	↑ Acetone
C9	scc,cp12905	7w10833			A1117	100			√	√	OK	
D1	scc,cp12903	7w10834			A431	100					RECLEAN	↑ Multiple Hits
D2	scc,cp12903	7w10835			A674	100					RECLEAN	↑ TCE
D3	scc,cp12905	7w10836			A536	100			√	√	OK	
D4	scc,cp12897	7w10837			A786	100			√	√	OK	
D5	scc,cp12897	7w10838			A425	100			√	√	OK	
D6	scc,cp12903	7w10839			A488	100			√	√	OK	
D7	scc,cp12897	7w10840			A427	100			√	√	OK	
B1	scc,cp12925	7w10841			A1931	100			√	√	OK	
B2	scc,cp12925	7w10842			A1996	100			√	√	OK	
B3	scc,cp12925	7w10843			A1927	100			√	√	OK	
B4	scc,cp12928	7w10844			A1930	100			√	√	OK	
B5	scc,cp12928	7w10845			A1511	100			√	√	OK	
B6	scc,cp12928	7w10846			A1380	100			√	√	OK	
B7	scc,cp12928	7w10847			A1935	100			√	√	OK	
C1	ib	7w10848			A2039	100					-	
C1	ib	7w10849			A2039	100					-	

CANISTER SECONDARY DILUTION LOG

Pressure Gauge ID: TG -		5	Original Canister Dilution				Secondary Canister Dilution						
Date	**Initial**	**Sample ID**	**Canister SN**	**Vacuum at Time of Dilution (inHg)**	**Final Pressure (psig)**	**Dilution Factor**	**Canister SN**	**Canister Volume (cc)**	**Sample Volume Added (cc)**	**Final Pressure (psig)**	**Equivalent Total Volume (cc)**	**Dilution Factor**	**Final Canister Dilution Factor**

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	1738	AS10298	5/31/2025	100
TO-15 STD	a1806	AS10475	11/28/2024	50
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: V7W394
Date: 11/27/2024
Laboratory Analyst: Benjamin Kim
Column DB-1: 30m x 0.25mm x 0.5um
GCMS Method: 7WTO15SPLIT.M
Sequence File: 7W20241127.S
Initial Calibration Method: M7W305.M
Concentrator Method: 7WTO15C.7200A.CTD
Data Validator(s): Benjamin Kim

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE		Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS		COMMENTS	

Definition: Final Canister Dilution Factor (DF) = (Original Canister DF) x (Secondary Canister DF)
Dilution Factor at Instrument = Final Canister Dilution Factor x [Nominal Sampling Volume (cc) / Sample Volume Injected (cc)]

Example: Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig (750cc equivalent volume). This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister, 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20 (from canister dilution) and 20 (from instrument dilution) = 400.

Notes:

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	1738	AS10298	5/31/2025	100
TO-15 STD	A1787	AS10529	1/28/2025	0.5
TO-15 STD	A966	AS10528	1/27/2025	5.0
TO-15 STD	A1805	AS10522	1/18/2025	50
TO-15 LCS	A1795	AS10507	12/29/2024	50
TO-15 LCS (Stock)	CC-305926	AS10352	6/12/2025	1000
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: V7W405
Date: 12/28/2024
Laboratory Analyst: Benjamin Kim
Column DB-1: 30m x 0.25mm x 0.5um
GCMS Method: 7WTO15SPLIT.M
Sequence File: 7W20241228.S
Initial Calibration Method: M7W405.M
Concentrator Method: 7WTO15D.7200A.CTD
Data Validator(s): Benjamin Kim

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS
2-5	ib	7w11219			A1795	20						
2-4	ib	7w11220			A1805	20						
2-3	ib	7w11221			A966	20						
2-2	ib	7w11222			A1787	20						
2-1	ib	7w11223			A2036	20						
2-1	ib	7w11224			A2036	20						
2-1	ib	7w11225			A2036	20						
2-1	ib	7w11226			A2036	20						
2-1	ib	7w11227			A2036	20						
2-1	ib	7w11228			A2036	20						
2-1	ib	7w11229			A2036	20						
2-1	ib	7w11230			A2036	20						
2-1	ib	7w11231			A2036	20						
2-2	bfb	7w11232			A1787	32					OK	T = 8:40
2-2	ic405-0.04	7w11233	MS80966		A1787	32			√	√	OK	
2-2	ic405-0.1	7w11234	MS80966		A1787	80			√	√	OK	
2-2	ic405-0.2	7w11235	MS80966		A1787	160			√	√	OK	
2-2	ic405-0.5	7w11236	MS80966		A1787	320					NOT USED	Testing purposes
2-3	ic405-0.5	7w11237	MS80966		A966	40			√	√	OK	
2-3	ic405-5	7w11238	MS80966		A966	400			√	√	OK	
2-4	ic405-5	7w11239	MS80966		A1805	40					NOT USED	Testing purposes
2-4	icc405-10	7w11240	MS80966		A1805	80			√	√	OK	
2-4	ic405-20	7w11241	MS80966		A1805	160			√	√	OK	
2-4	ic405-40	7w11242	MS80966		A1805	320			√	√	OK	
2-4	ic405-50	7w11243	MS80966		A1805	400			√	√	OK	
2-1	ib	7w11244			A2036	200					-	
2-1	ib	7w11245			A2036	400					-	
2-1	ib	7w11246			A2036	400					-	
2-5	icv405-10	7w11247	MS80966		A1795	80			√	√	OK	
2-5	ib	7w11248			A1795	80					-	
2-1	ib	7w11249			A2036	200					-	
2-1	ib	7w11250			A2036	400					-	
2-1	ib	7w11251			A2036	400					-	
2-1	ib	7w11252			A2036	400					-	
2-1	ib	7w11253			A2036	400					-	
2-1	ib	7w11254			A2036	400					-	

CANISTER SECONDARY DILUTION LOG

Pressure Gauge ID: TG -		5	Original Canister Dilution				Secondary Canister Dilution						
Date	**Initial**	**Sample ID**	**Canister SN**	**Vacuum at Time of Dilution (inHg)**	**Final Pressure (psig)**	**Dilution Factor**	**Canister SN**	**Canister Volume (cc)**	**Sample Volume Added (cc)**	**Final Pressure (psig)**	**Equivalent Total Volume (cc)**	**Dilution Factor**	**Final Canister Dilution Factor**

Definition: Final Canister Dilution Factor (DF) = (Original Canister DF) x (Secondary Canister DF)
Dilution Factor at Instrument = Final Canister Dilution Factor x [Nominal Sampling Volume (cc) / Sample Volume Injected (cc)]

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	1738	AS10298	5/31/2025	100
TO-15 STD	A1787	AS10529	1/28/2025	0.5
TO-15 STD	A966	AS10528	1/27/2025	5.0
TO-15 STD	A1805	AS10522	1/18/2025	50
TO-15 LCS	A1795	AS10507	12/29/2024	50
TO-15 LCS (Stock)	CC-305926	AS10352	6/12/2025	1000
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: **V7W405**
Date: **12/28/2024**
Laboratory Analyst: **Benjamin Kim**
Column DB-1: 30m x 0.25mm x 0.5um
GCMS Method: 7WTO15SPLIT.M
Sequence File: 7W20241228.S
Initial Calibration Method: M7W405.M
Concentrator Method: 7WTO15D.7200A.CTD
Data Validator(s): **Benjamin Kim**

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS
Example:	Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig (750cc equivalent volume). This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister, 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20 (from canister dilution) and 20 (from instrument dilution) = 400.											
Notes:												

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	1738	AS9819	1/31/2025	100
TO-15 STD	A1806	AS10523	1/18/2025	50
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: V7W414
Date: 1/6/2025
Laboratory Analyst: Benjamin Kim
Column DB-1: 30m x 0.25mm x 0.5um
GCMS Method: 7WTO15SPLIT.M
Sequence File: 7W20250106.S
Initial Calibration Method: M7W405.M
Concentrator Method: 7WTO15D.7200A.CTD
Data Validator(s): Geralyn Gomez
Data Validator(s): Kristel Valladolid

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS
D9	bfb	7w11534			OPEN	400					OK	T = 20:16
1-4	cc405-10	7w11535			A1806	80			√	√	OK	
1-4	bs	7w11536			A1806	80					OK	
1-4	bsd	7w11537			A1806	80					OK	
2-1	ib	7w11538			A2036	400					-	
2-1	mb	7w11539			A2036	400		+			OK	
D4	scc,cp12951	7w11540			A1585	400					OK	
D9	je2961-3	7w11541	MS88386	STD+	tbag,tbag	40	1000				RR	Inconsistent
D3	scc,cp12959	7w11542			A262	400					OK	
A1	je3199-21	7w11543	MS88474	STD+, NAP	A1448	50	1	+			OK	
A2	je3199-22	7w11544	MS88474	STD+, NAP	A1456	50	1	+			RR/Overcal	↑ DCDFM, RR = 20cc
2-2	je2491-4	7w11545	MS88104	NYLL, NAP	A1688	5	1				RR/Overcal	Acetone ↑ RR 200x
C1	je2670-3	7w11546	MS88187	8010L	M107	200	1				OK	
C2	je2792-3	7w11547	MS88386	STD+	A1817	100	1				RR/Too Dilute	RR = 400cc
C3	je2792-5	7w11548	MS88386	STD+	M137	400	1				OK	
C3	je2792-5dup	7w11549	MS88386	STD+	M137	400	1				OK	
A3	je3199-34	7w11550	MS88474	STD+, NAP	A1927	100	1	+			OK	↑ F152A = NT
A4	je3199-35	7w11551	MS88474	STD+, NAP	A1901	100	1	+			OK	↑ F152A = NT
A5	je3199-36	7w11552	MS88474	STD+, NAP	A1931	100	1	+			OK	
A6	je3199-37	7w11553	MS88474	STD+, NAP	A1511	100	1	+			OK	↑ F152A = NT
A7	je3199-38	7w11554	MS88474	STD+, NAP	A1893	100	1	+			OK	↑ F152A = NT
C4	je3156-1	7w11555	MS88474	STD	M009	20	1				RR/Overcal	↑ DCDM, RR = 10cc
C5	je3156-2	7w11556	MS88474	STD	A864	20	1				RR/Overcal	↑ F114, RR = 10cc
C6	je3156-3	7w11557	MS88474	STD	A279	400	1				RR/Overcal	↑ Acetone, RR = 200cc
C7	je3156-4	7w11558	MS88474	STD	M111	400	1				OK	
C8	je3182-1	7w11559	MS88474	NYLL	A1825	500	1				OK	↑ Butane = NT
C9	je3182-2	7w11560	MS88474	NYLL	A2088	500	1				OK	
D1	je3182-3	7w11561	MS88474	NYLL	A2132	500	1				RR/Overcal	↑ Chloroform, RR = 2x
2-3	je3178-5	7w11562	MS88474	SL+	M233	79	1.58	+			OK	
2-3	je3178-5dup	7w11563	MS88474	SL+	M233	79	1.58	+			OK	
A2	je3199-22	7w11564	MS88474	STD+, NAP	A1456	20	1	+			OK	
C2	je2792-3	7w11565	MS88386	STD+	A1817	400	1				OK	
C4	je3156-1	7w11566	MS88474	STD	M009	10	1				OK	
C5	je3156-2	7w11567	MS88474	STD	A864	10	1				OK	
C6	je3156-3	7w11568	MS88474	STD	A279	200	1				OK	
D1	je3182-3	7w11569	MS88474	NYLL	A2132	250	1				OK	

CANISTER SECONDARY DILUTION LOG

Pressure Gauge ID: TG -		5	Original Canister Dilution				Secondary Canister Dilution						
Date	**Initial**	**Sample ID**	**Canister SN**	**Vacuum at Time of Dilution (inHg)**	**Final Pressure (psig)**	**Dilution Factor**	**Canister SN**	**Canister Volume (cc)**	**Sample Volume Added (cc)**	**Final Pressure (psig)**	**Equivalent Total Volume (cc)**	**Dilution Factor**	**Final Canister Dilution Factor**
1/6/2025	BJK	JE2961-3	TBAG	-	-	1.00	TBAG	500	0.5	-	-	1000	**1000**

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	1738	AS9819	1/31/2025	100
TO-15 STD	A1806	AS10523	1/18/2025	50
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: **V7W414**
Date: **1/6/2025**
Laboratory Analyst: **Benjamin Kim**
Column DB-1: 30m x 0.25mm x 0.5um
GCMS Method: 7WTO15SPLIT.M
Sequence File: 7W20250106.S
Initial Calibration Method: M7W405.M
Concentrator Method: 7WTO15D.7200A.CTD
Data Validator(s): **Geralyn Gomez**
Data Validator(s): **Kristel Valladolid**

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE		Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS	

Definition: Final Canister Dilution Factor (DF) = (Original Canister DF) x (Secondary Canister DF)
Dilution Factor at Instrument = Final Canister Dilution Factor x [Nominal Sampling Volume (cc) / Sample Volume Injected (cc)]

Example: Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig (750cc equivalent volume). This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister, 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20 (from canister dilution) and 20 (from instrument dilution) = 400.

Notes:

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	1738	AS9819	1/31/2025	100
TO-15 STD	A1806	AS10523	1/18/2025	50
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: V7W415
Date: 1/7/2025
Laboratory Analyst: Benjamin Kim
Column DB-1: 30m x 0.25mm x 0.5um
GCMS Method: 7WTO15SPLIT.M
Sequence File: 7W20250107.S
Initial Calibration Method: M7W405.M
Concentrator Method: 7WTO15D.7200A.CTD
Data Validator(s): Geralyn Gomez
Data Validator(s): Kristel Valladolid

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS
D8	bfb	7w11570			OPEN	400					OK	T = 20:52
1-4	cc405-10	7w11571			A1806	80			√	√	OK	
1-4	bs	7w11572			A1806	80					OK	
1-4	bsd	7w11573			A1806	80					OK	
2-1	ib	7w11574			A2036	400					-	
2-1	mb	7w11575			A2036	400		+			OK	
2-4	scc,cp12955	7w11576			A1616	400					RR	Bad injection
D9	je2961-3	7w11577	MS88386	STD+	tbag,tbag	40	1000	+			RR/Too Dilute	RR = 80cc
2-5	scc,cp12953	7w11578			A1738	400					RR	Carryover
2-3	scc,cp12961	7w11579			M147	400					OK	
D9	je2961-3	7w11580	MS88386	STD+	tbag,tbag	80	1000	+			OK	
C6	je3096-2	7w11581	MS88599	STD	A1171	400	1				OK/DL	RR = 10x
2-14	scc,cp12955	7w11582			A1606	400					RR	Carryover
2-6	je3433-1	7w11583	MS88599	STD	M004	400	1				OK	
2-7	je3433-2	7w11584	MS88599	STD	M404	400	1				OK	
2-8	je3433-3	7w11585	MS88599	STD	A1747	400	1				OK	
2-8	je3433-3dup	7w11586	MS88599	STD	A1747	400	1				RR	Power Outage
2-1	ib	7w11587			A2036	400					-	
2-8	je34331-3dup	7w11588	MS88599	STD	A1747	400	1				OK	
C6	je3096-2	7w11589	MS88599	STD	A1171	40	1				OK	
2-15	je2491-4	7w11590	MS88104	NYLL, NAP	A1688,M419	200	143				RR/Too Dilute	RR = 400cc
2-9	je3522-1	7w11591	MS88628	NYLL	A871	500	1				OK	↑ F152A = NT
2-10	je3522-3	7w11592	MS88628	NYLL	A1334	500	1				RR/Too Dilute	↑ Ethyl Acetate, RR = 4x
2-11	je3522-5	7w11593	MS88628	NYLL	A1285	500	1				RR/Overcal	↑ Acetone, RR = 2x
2-15	je2491-4	7w11594	MS88104	NYLL, NAP	A1688,M419	400	143				OK	

CANISTER SECONDARY DILUTION LOG

Pressure Gauge ID: TG -		5	Original Canister Dilution				Secondary Canister Dilution						
Date	**Initial**	**Sample ID**	**Canister SN**	**Vacuum at Time of Dilution (inHg)**	**Final Pressure (psig)**	**Dilution Factor**	**Canister SN**	**Canister Volume (cc)**	**Sample Volume Added (cc)**	**Final Pressure (psig)**	**Equivalent Total Volume (cc)**	**Dilution Factor**	**Final Canister Dilution Factor**
1/8/2025	BJK	je2491-4	A1688	7.0	1.30	1.43	M419	1000	20	14.7	2000	100	**143**
1/6/2025	BJK	JE2961-3	TBAG	-	-	1.00	TBAG	500	0.5	-	-	1000	**1000**

Definition: Final Canister Dilution Factor (DF) = (Original Canister DF) x (Secondary Canister DF)
Dilution Factor at Instrument = Final Canister Dilution Factor x [Nominal Sampling Volume (cc) / Sample Volume Injected (cc)]

Example: Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig (750cc equivalent volume). This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister, 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20 (from canister dilution) and 20 (from instrument dilution) = 400.

Notes:

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

Groundwater & Environmental Services

Regency Center Carmel ShopRite Plaza, Carmel, NY

1192323-02-210-1111

SGS Job Number: JE2487

Sampling Date: 12/10/24



Report to:

Groundwater & Environmental Services
63 East Street Suite 3
Pawling, NY 12564
MDegloria@GESOnline.com; neregion@gesonline.com

ATTN: Michael DeGloria

Total number of pages in report: **863**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable unless noted in the narrative, comments or footnotes.

Olga Azarian
Technical Director

Client Service contact: Marie Meidhof 732-329-0200
Certifications: NJ(12129),NY(10983),CA,CO,CT,FL,HI,IL,IN,KY,LA (120428),MA,MD,ME,MN,NC,NH,NV, AK (UST-103),AZ (AZ0786),PA(68-00408),RI,SC,TX (T104704234),UT,VA,WA,WV

This report shall not be reproduced, except in its entirety, without the written approval of SGS.
Test results relate only to samples analyzed.

SGS is the sole authority for authorizing edits or modifications to this document.
Unauthorized modification of this report is strictly prohibited.
Review standard terms at: http://www.sgs.com/en/terms-and-conditions

Please share your ideas about
how we can serve you better at:
EHS.US.CustomerCare@sgs.com

Table of Contents

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **4**
Section 3: Summary of Hits **8**
Section 4: Sample Results **15**
4.1: JE2487-1: SS-5 16
4.2: JE2487-2: IA-5 19
4.3: JE2487-3: SS-6 22
4.4: JE2487-4: IA-6 25
4.5: JE2487-5: DUP SS 28
4.6: JE2487-6: DUP IA 31
Section 5: Misc. Forms **34**
5.1: Chain of Custody 35
5.2: Summa Canister and Flow Controller Log 37
5.3: Sample Tracking Chronicle 38
5.4: Internal Chain of Custody 39
Section 6: MS Volatiles - QC Data Summaries **40**
6.1: Method Blank Summary 41
6.2: Blank Spike/Blank Spike Duplicate Summary 61
6.3: Duplicate Summary 81
6.4: Summa Cleaning Certification 89
6.5: Instrument Performance Checks (BFB) 101
6.6: Internal Standard Area Summaries 117
6.7: Initial Calibration RT/ISTD Area Summaries 126
6.8: Surrogate Recovery Summaries 204
6.9: Initial and Continuing Calibration Summaries 206
6.10: Run Sequence Reports 251
Section 7: MS Volatiles - Raw Data **262**
7.1: Samples 263
7.2: Method Blanks 434
7.3: Blank Spike/Blank Spike Duplicates 450
7.4: Duplicates 526
7.5: Summa Cleaning Certifications 604
7.6: Instrument Performance Checks (BFB) 612
7.7: Initial and Continuing Calibrations 634
7.8: Instrument Run Logs 845

SGS North America Inc.

Sample Summary

Groundwater & Environmental Services

Job No: JE2487

Regency Center Carmel ShopRite Plaza, Carmel, NY
Project No: 1192323-02-210-1111

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
This report contains results reported as ND = Not detected. The following applies: Organics ND = Not detected above the RL							
JE2487-1	12/10/24	17:11	RB	12/12/24	AIR	Soil Vapor Comp.	SS-5
JE2487-2	12/10/24	17:18	RB	12/12/24	AIR	Indoor Air Comp.	IA-5
JE2487-3	12/10/24	17:25	RB	12/12/24	AIR	Soil Vapor Comp.	SS-6
JE2487-4	12/10/24	17:30	RB	12/12/24	AIR	Indoor Air Comp.	IA-6
JE2487-5	12/10/24	17:11	RB	12/12/24	AIR	Soil Vapor Comp.	DUP SS
JE2487-6	12/10/24	17:20	RB	12/12/24	AIR	Indoor Air Comp.	DUP IA

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	Groundwater & Environmental Services	**Job No:**	JE2487
Site:	Regency Center Carmel ShopRite Plaza, Carmel, NY	**Report Date**	12/26/2024 5:20:37 A

On 12/12/2024, 6 sample(s), 0 Trip Blank(s), 0 Equip. Blank(s) and 0 Field Blank(s) were received at SGS North America Inc. (SGS). The samples were intact and properly preserved, unless noted below. An SGS Job Number of JE2487 was assigned to the project. The lab sample ID, client sample ID, and date of sample collection are detailed in the report's Results Summary.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

MS Volatiles By Method TO-15

Matrix: AIR **Batch ID:** V5W2132

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JE2487-4DUP were used as the QC samples indicated.
- The blank spike (BS) recovery(s) of Hexachlorobutadiene, Methyl ethyl ketone, Tetrahydrofuran are outside control limits.
- The duplicate RPD(s) for 1,2,4-Trichlorobenzene, Freon 113, Naphthalene are outside control limits for sample JE2487-4DUP. RPD acceptable due to low DUP and sample concentrations.
- JE2487-6 for Methyl ethyl ketone: Associated CCV outside of control limits high.
- JE2487-6 for Tetrahydrofuran: Associated CCV outside of control limits high, sample was ND.
- JE2487-6 for Hexachlorobutadiene: Associated CCV outside of control limits high, sample was ND.
- JE2487-4 for Methyl Tert Butyl Ether: This compound in blank spike is outside in house QC limits bias high.
- JE2487-2 for Methyl ethyl ketone: Associated CCV outside of control limits high. This compound in blank spike is outside in house QC limits bias high.
- JE2487-2 for Tetrahydrofuran: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2487-4 for 1,2-Dichloroethane: This compound in blank spike is outside in house QC limits bias high.
- JE2487-4 for Methyl ethyl ketone: Associated CCV outside of control limits high. This compound in blank spike is outside in house QC limits bias high.
- JE2487-4 for Tetrahydrofuran: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2487-4 for Hexachlorobutadiene: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2487-2 for Methyl Tert Butyl Ether: This compound in blank spike is outside in house QC limits bias high.
- JE2487-2 for 1,2-Dichloroethane: This compound in blank spike is outside in house QC limits bias high.
- JE2487-4 for Ethyl Acetate: This compound in blank spike is outside in house QC limits bias high.
- V5W2132-BS for Tetrahydrofuran: Outside in house control limits.
- V5W2132-BS for Methyl ethyl ketone: Outside in house control limits.
- V5W2132-BS for Hexachlorobutadiene: Outside in house control limits.
- JE2487-2 for Hexachlorobutadiene: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2487-2 for Ethyl Acetate: This compound in blank spike is outside in house QC limits bias high.

Matrix: AIR **Batch ID:** V5W2133

- All samples were analyzed within the recommended method holding time.
- Sample(s) JE2488-2DUP were used as the QC samples indicated.

MS Volatiles By Method TO-15

Matrix: AIR **Batch ID:** V5W2133

- All method blanks for this batch meet method specific criteria.
- Sample(s) JE2487-2, JE2487-4 have compounds reported with "E" qualifiers indicating estimated value exceeding calibration range.

Matrix: AIR **Batch ID:** V5W2135

- All samples were analyzed within the recommended method holding time.
- Sample(s) JE2666-1DUP were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JE2487-6 have compounds reported with "E" qualifiers indicating estimated value exceeding calibration range.
- The blank spike (BS) recovery(s) of 1,2-Dichloroethane, Bromoform, Hexachlorobutadiene, Methyl Tert Butyl Ether, Tetrahydrofuran, Ethyl Acetate, Methyl ethyl ketone, Methylmethacrylate, Tertiary Butyl Alcohol, Vinyl Acetate are outside control limits.
- JE2487-5 for Vinyl Acetate: This compound in blank spike is outside in house QC limits bias high.
- V5W2135-BS for 1,2-Dichloroethane: High percent recovery and no associated positive reported in the QC batch.
- V5W2135-BS for Bromoform: High percent recovery and no associated positive reported in the QC batch.
- V5W2135-BS for Hexachlorobutadiene: High percent recovery and no associated positive reported in the QC batch.
- V5W2135-BS for Methyl Tert Butyl Ether: High percent recovery and no associated positive reported in the QC batch.
- V5W2135-BS for Tetrahydrofuran: High percent recovery and no associated positive reported in the QC batch.
- V5W2135-BS for Methylmethacrylate: Outside in house control limits.
- V5W2135-BS for Methyl ethyl ketone: Outside in house control limits.
- JE2487-5 for Hexachlorobutadiene: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2487-3 for Tetrahydrofuran: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- V5W2135-BS for Ethyl Acetate: Outside in house control limits.
- JE2487-3 for Ethyl Acetate: Associated CCV outside of control limits high. This compound in blank spike is outside in house QC limits bias high.
- JE2487-3 for Heptane: This compound in blank spike is outside in house QC limits bias high.
- JE2487-3 for Tertiary Butyl Alcohol: This compound in blank spike is outside in house QC limits bias high.
- JE2487-3 for Vinyl Acetate: This compound in blank spike is outside in house QC limits bias high.
- JE2487-5 for 1,2,4-Trichlorobenzene: Associated CCV outside of control limits high, sample was ND.
- V5W2135-BS for Tertiary Butyl Alcohol: Outside in house control limits.
- JE2487-5 for Bromoform: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2487-3 for Methylmethacrylate: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2487-5 for Methyl Tert Butyl Ether: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2487-5 for Tetrahydrofuran: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2487-5 for trans-1,3-Dichloropropene: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2487-5 for Ethyl Acetate: Associated CCV outside of control limits high. This compound in blank spike is outside in house QC limits bias high.
- JE2487-5 for Methyl ethyl ketone: Associated CCV outside of control limits high. This compound in blank spike is outside in house QC limits bias high.
- JE2487-5 for Methylmethacrylate: Associated CCV outside of control limits high. This compound in blank spike is outside in house QC limits bias high.

MS Volatiles By Method TO-15

Matrix: AIR **Batch ID:** V5W2135

- JE2487-5 for Heptane: This compound in blank spike is outside in house QC limits bias high.
- JE2487-5 for Tertiary Butyl Alcohol: This compound in blank spike is outside in house QC limits bias high.
- JE2487-5 for 1,2-Dichloroethane: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2487-1 for Methylmethacrylate: Associated CCV outside of control limits high. This compound in blank spike is outside in house QC limits bias high.
- V5W2135-BS for Vinyl Acetate: Outside in house control limits.
- JE2487-1 for 1,2,4-Trichlorobenzene: Associated CCV outside of control limits high, sample was ND.
- JE2487-1 for 1,2-Dichloroethane: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2487-1 for Bromoform: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2487-1 for Hexachlorobutadiene: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2487-1 for Methyl Tert Butyl Ether: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2487-1 for Tetrahydrofuran: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2487-1 for trans-1,3-Dichloropropene: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2487-3 for trans-1,3-Dichloropropene: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2487-1 for Methyl ethyl ketone: Associated CCV outside of control limits high. This compound in blank spike is outside in house QC limits bias high.
- JE2487-3 for Methyl Tert Butyl Ether: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2487-1 for Heptane: This compound in blank spike is outside in house QC limits bias high.
- JE2487-1 for Tertiary Butyl Alcohol: This compound in blank spike is outside in house QC limits bias high.
- JE2487-1 for Vinyl Acetate: This compound in blank spike is outside in house QC limits bias high.
- JE2487-3 for 1,2,4-Trichlorobenzene: Associated CCV outside of control limits high, sample was ND.
- JE2487-3 for 1,2-Dichloroethane: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2487-3 for Bromoform: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2487-3 for Hexachlorobutadiene: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2487-3 for Methyl ethyl ketone: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2487-1 for Ethyl Acetate: Associated CCV outside of control limits high. This compound in blank spike is outside in house QC limits bias high.

Matrix: AIR **Batch ID:** V5W2138

- All samples were analyzed within the recommended method holding time.
- Sample(s) JE2315-1DUP were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JE2487-1, JE2487-5 have compounds reported with “E” qualifiers indicating estimated value exceeding calibration range.

SGS certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting SGS's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

SGS is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. This report is authorized by SGS indicated via signature on the report cover.

Summary of Hits

Job Number: JE2487
Account: Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY
Collected: 12/10/24

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JE2487-1	**SS-5**					
Acetone (2-Propanone)		41.8	0.80		ppbv	TO-15
Benzene		0.50	0.20		ppbv	TO-15
Chloromethane		0.39	0.20		ppbv	TO-15
Carbon tetrachloride		0.095	0.040		ppbv	TO-15
Dichlorodifluoromethane		0.52	0.20		ppbv	TO-15
cis-1,2-Dichloroethylene		0.15	0.040		ppbv	TO-15
m-Dichlorobenzene		0.41	0.10		ppbv	TO-15
Ethanol		299 E	2.0		ppbv	TO-15
Ethyl Acetate [a]		20.2	0.20		ppbv	TO-15
Heptane [b]		0.34	0.20		ppbv	TO-15
Hexane		1.1	0.20		ppbv	TO-15
2-Hexanone		0.24	0.20		ppbv	TO-15
Isopropyl Alcohol		71.3	0.80		ppbv	TO-15
Methylene chloride		1.2	0.20		ppbv	TO-15
Methyl ethyl ketone [a]		2.8	0.20		ppbv	TO-15
Methyl Isobutyl Ketone		0.26	0.20		ppbv	TO-15
Methylmethacrylate [a]		1.2	0.20		ppbv	TO-15
2,2,4-Trimethylpentane		0.20	0.20		ppbv	TO-15
Tertiary Butyl Alcohol [b]		4.5	0.20		ppbv	TO-15
Tetrachloroethylene		1.8	0.040		ppbv	TO-15
Toluene		0.88	0.20		ppbv	TO-15
Trichloroethylene		4.2	0.040		ppbv	TO-15
Trichlorofluoromethane		3.0	0.10		ppbv	TO-15
Vinyl Acetate [b]		2.2	0.20		ppbv	TO-15
m,p-Xylene		0.36	0.20		ppbv	TO-15
Xylenes (total)		0.51	0.20		ppbv	TO-15
Acetone (2-Propanone)		99.3	1.9		ug/m3	TO-15
Benzene		1.6	0.64		ug/m3	TO-15
Chloromethane		0.81	0.41		ug/m3	TO-15
Carbon tetrachloride		0.60	0.25		ug/m3	TO-15
Dichlorodifluoromethane		2.6	0.99		ug/m3	TO-15
cis-1,2-Dichloroethylene		0.59	0.16		ug/m3	TO-15
m-Dichlorobenzene		2.5	0.60		ug/m3	TO-15
Ethanol		563 E	3.8		ug/m3	TO-15
Ethyl Acetate [a]		72.7	0.72		ug/m3	TO-15
Heptane [b]		1.4	0.82		ug/m3	TO-15
Hexane		3.9	0.70		ug/m3	TO-15
2-Hexanone		0.98	0.82		ug/m3	TO-15
Isopropyl Alcohol		175	2.0		ug/m3	TO-15
Methylene chloride		4.2	0.69		ug/m3	TO-15
Methyl ethyl ketone [a]		8.3	0.59		ug/m3	TO-15
Methyl Isobutyl Ketone		1.1	0.82		ug/m3	TO-15
Methylmethacrylate [a]		4.9	0.82		ug/m3	TO-15

Summary of Hits

Job Number: JE2487
Account: Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY
Collected: 12/10/24

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
2,2,4-Trimethylpentane		0.93	0.93		ug/m3	TO-15
Tertiary Butyl Alcohol [b]		14	0.61		ug/m3	TO-15
Tetrachloroethylene		12	0.27		ug/m3	TO-15
Toluene		3.3	0.75		ug/m3	TO-15
Trichloroethylene		23	0.21		ug/m3	TO-15
Trichlorofluoromethane		17	0.56		ug/m3	TO-15
Vinyl Acetate [b]		7.7	0.70		ug/m3	TO-15
m,p-Xylene		1.6	0.87		ug/m3	TO-15
Xylenes (total)		2.2	0.87		ug/m3	TO-15
JE2487-2	**IA-5**					
Acetone (2-Propanone)		97.7	0.80		ppbv	TO-15
Benzene		0.72	0.16		ppbv	TO-15
Chloromethane		0.43	0.16		ppbv	TO-15
Carbon tetrachloride		0.092	0.032		ppbv	TO-15
Cyclohexane		0.18	0.16		ppbv	TO-15
Dichlorodifluoromethane		0.50	0.16		ppbv	TO-15
Ethanol		487 E	2.0		ppbv	TO-15
Ethylbenzene		0.20	0.16		ppbv	TO-15
Ethyl Acetate [b]		7.2	0.16		ppbv	TO-15
Freon 113		0.083	0.080		ppbv	TO-15
Heptane		0.43	0.16		ppbv	TO-15
Hexane		0.87	0.16		ppbv	TO-15
Isopropyl Alcohol		27.8	0.16		ppbv	TO-15
Methylene chloride		0.61	0.16		ppbv	TO-15
Methyl ethyl ketone [a]		0.84	0.16		ppbv	TO-15
Methylmethacrylate		9.7	0.16		ppbv	TO-15
Naphthalene		0.27	0.16		ppbv	TO-15
1,2,4-Trichlorobenzene		0.25	0.080		ppbv	TO-15
1,2,4-Trimethylbenzene		0.17	0.16		ppbv	TO-15
2,2,4-Trimethylpentane		0.36	0.16		ppbv	TO-15
Tertiary Butyl Alcohol		0.95	0.16		ppbv	TO-15
Tetrachloroethylene		0.046	0.032		ppbv	TO-15
Toluene		1.1	0.16		ppbv	TO-15
Trichloroethylene		0.055	0.032		ppbv	TO-15
Trichlorofluoromethane		0.39	0.080		ppbv	TO-15
m,p-Xylene		0.51	0.16		ppbv	TO-15
o-Xylene		0.19	0.16		ppbv	TO-15
Xylenes (total)		0.70	0.16		ppbv	TO-15
Acetone (2-Propanone)		232	1.9		ug/m3	TO-15
Benzene		2.3	0.51		ug/m3	TO-15
Chloromethane		0.89	0.33		ug/m3	TO-15
Carbon tetrachloride		0.58	0.20		ug/m3	TO-15
Cyclohexane		0.62	0.55		ug/m3	TO-15

Summary of Hits

Job Number: JE2487
Account: Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY
Collected: 12/10/24

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Dichlorodifluoromethane		2.5	0.79		ug/m3	TO-15
Ethanol		918 E	3.8		ug/m3	TO-15
Ethylbenzene		0.87	0.69		ug/m3	TO-15
Ethyl Acetate [b]		26	0.58		ug/m3	TO-15
Freon 113		0.64	0.61		ug/m3	TO-15
Heptane		1.8	0.66		ug/m3	TO-15
Hexane		3.1	0.56		ug/m3	TO-15
Isopropyl Alcohol		68.3	0.39		ug/m3	TO-15
Methylene chloride		2.1	0.56		ug/m3	TO-15
Methyl ethyl ketone [a]		2.5	0.47		ug/m3	TO-15
Methylmethacrylate		40	0.66		ug/m3	TO-15
Naphthalene		1.4	0.84		ug/m3	TO-15
1,2,4-Trichlorobenzene		1.9	0.59		ug/m3	TO-15
1,2,4-Trimethylbenzene		0.84	0.79		ug/m3	TO-15
2,2,4-Trimethylpentane		1.7	0.75		ug/m3	TO-15
Tertiary Butyl Alcohol		2.9	0.49		ug/m3	TO-15
Tetrachloroethylene		0.31	0.22		ug/m3	TO-15
Toluene		4.1	0.60		ug/m3	TO-15
Trichloroethylene		0.30	0.17		ug/m3	TO-15
Trichlorofluoromethane		2.2	0.45		ug/m3	TO-15
m,p-Xylene		2.2	0.69		ug/m3	TO-15
o-Xylene		0.83	0.69		ug/m3	TO-15
Xylenes (total)		3.0	0.69		ug/m3	TO-15
JE2487-3	**SS-6**					
Acetone (2-Propanone)		16.9	0.80		ppbv	TO-15
Chloroform		2.1	0.80		ppbv	TO-15
Ethanol		31.8	2.0		ppbv	TO-15
Ethyl Acetate [a]		7.4	0.80		ppbv	TO-15
Isopropyl Alcohol		7.1	0.80		ppbv	TO-15
Tertiary Butyl Alcohol [b]		0.99	0.80		ppbv	TO-15
Tetrachloroethylene		153	0.16		ppbv	TO-15
Trichlorofluoromethane		7.0	0.40		ppbv	TO-15
Acetone (2-Propanone)		40.1	1.9		ug/m3	TO-15
Chloroform		10	3.9		ug/m3	TO-15
Ethanol		59.9	3.8		ug/m3	TO-15
Ethyl Acetate [a]		27	2.9		ug/m3	TO-15
Isopropyl Alcohol		17	2.0		ug/m3	TO-15
Tertiary Butyl Alcohol [b]		3.0	2.4		ug/m3	TO-15
Tetrachloroethylene		1040	1.1		ug/m3	TO-15
Trichlorofluoromethane		39	2.2		ug/m3	TO-15

Summary of Hits

Job Number: JE2487
Account: Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY
Collected: 12/10/24

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JE2487-4	**IA-6**					
Acetone (2-Propanone)		553	4.0		ppbv	TO-15
Benzene		0.70	0.16		ppbv	TO-15
Bromodichloromethane		0.093	0.080		ppbv	TO-15
Chloroform		0.79	0.16		ppbv	TO-15
Chloromethane		0.44	0.16		ppbv	TO-15
Carbon tetrachloride		0.12	0.032		ppbv	TO-15
Dichlorodifluoromethane		0.50	0.16		ppbv	TO-15
Ethanol		1040 E	10		ppbv	TO-15
Ethyl Acetate [b]		16.8	0.16		ppbv	TO-15
Heptane		0.88	0.16		ppbv	TO-15
Hexane		0.56	0.16		ppbv	TO-15
Isopropyl Alcohol		106	4.0		ppbv	TO-15
Methylene chloride		0.44	0.16		ppbv	TO-15
Methyl ethyl ketone [a]		1.3	0.16		ppbv	TO-15
Methylmethacrylate		55.5	4.0		ppbv	TO-15
1,2,4-Trichlorobenzene		0.12	0.080		ppbv	TO-15
2,2,4-Trimethylpentane		0.24	0.16		ppbv	TO-15
Tertiary Butyl Alcohol		0.80	0.16		ppbv	TO-15
Tetrachloroethylene		0.11	0.032		ppbv	TO-15
Toluene		1.1	0.16		ppbv	TO-15
Trichlorofluoromethane		0.47	0.080		ppbv	TO-15
m,p-Xylene		0.35	0.16		ppbv	TO-15
Xylenes (total)		0.49	0.16		ppbv	TO-15
Acetone (2-Propanone)		1310	9.5		ug/m3	TO-15
Benzene		2.2	0.51		ug/m3	TO-15
Bromodichloromethane		0.62	0.54		ug/m3	TO-15
Chloroform		3.9	0.78		ug/m3	TO-15
Chloromethane		0.91	0.33		ug/m3	TO-15
Carbon tetrachloride		0.75	0.20		ug/m3	TO-15
Dichlorodifluoromethane		2.5	0.79		ug/m3	TO-15
Ethanol		1960 E	19		ug/m3	TO-15
Ethyl Acetate [b]		60.5	0.58		ug/m3	TO-15
Heptane		3.6	0.66		ug/m3	TO-15
Hexane		2.0	0.56		ug/m3	TO-15
Isopropyl Alcohol		261	9.8		ug/m3	TO-15
Methylene chloride		1.5	0.56		ug/m3	TO-15
Methyl ethyl ketone [a]		3.8	0.47		ug/m3	TO-15
Methylmethacrylate		227	16		ug/m3	TO-15
1,2,4-Trichlorobenzene		0.89	0.59		ug/m3	TO-15
2,2,4-Trimethylpentane		1.1	0.75		ug/m3	TO-15
Tertiary Butyl Alcohol		2.4	0.49		ug/m3	TO-15
Tetrachloroethylene		0.75	0.22		ug/m3	TO-15
Toluene		4.1	0.60		ug/m3	TO-15

Summary of Hits

Job Number: JE2487
Account: Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY
Collected: 12/10/24

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Trichlorofluoromethane		2.6	0.45		ug/m3	TO-15
m,p-Xylene		1.5	0.69		ug/m3	TO-15
Xylenes (total)		2.1	0.69		ug/m3	TO-15
JE2487-5	**DUP SS**					
Acetone (2-Propanone)		42.8	0.80		ppbv	TO-15
Benzene		0.47	0.20		ppbv	TO-15
Dichlorodifluoromethane		0.55	0.20		ppbv	TO-15
trans-1,2-Dichloroethylene		0.20	0.20		ppbv	TO-15
cis-1,2-Dichloroethylene		0.14	0.040		ppbv	TO-15
m-Dichlorobenzene		0.45	0.10		ppbv	TO-15
Ethanol		308 E	2.0		ppbv	TO-15
Ethyl Acetate [a]		3.2	0.20		ppbv	TO-15
Heptane [b]		0.36	0.20		ppbv	TO-15
Hexane		0.60	0.20		ppbv	TO-15
2-Hexanone		0.21	0.20		ppbv	TO-15
Isopropyl Alcohol		74.6	0.80		ppbv	TO-15
Methylene chloride		0.60	0.20		ppbv	TO-15
Methyl ethyl ketone [a]		2.8	0.20		ppbv	TO-15
Methyl Isobutyl Ketone		0.22	0.20		ppbv	TO-15
Methylmethacrylate [a]		1.3	0.20		ppbv	TO-15
Tertiary Butyl Alcohol [b]		4.9	0.20		ppbv	TO-15
Tetrachloroethylene		1.8	0.040		ppbv	TO-15
Toluene		0.66	0.20		ppbv	TO-15
Trichloroethylene		4.5	0.040		ppbv	TO-15
Trichlorofluoromethane		3.0	0.10		ppbv	TO-15
Vinyl Acetate [b]		1.0	0.20		ppbv	TO-15
m,p-Xylene		0.30	0.20		ppbv	TO-15
Xylenes (total)		0.42	0.20		ppbv	TO-15
Acetone (2-Propanone)		102	1.9		ug/m3	TO-15
Benzene		1.5	0.64		ug/m3	TO-15
Dichlorodifluoromethane		2.7	0.99		ug/m3	TO-15
trans-1,2-Dichloroethylene		0.79	0.79		ug/m3	TO-15
cis-1,2-Dichloroethylene		0.56	0.16		ug/m3	TO-15
m-Dichlorobenzene		2.7	0.60		ug/m3	TO-15
Ethanol		580 E	3.8		ug/m3	TO-15
Ethyl Acetate [a]		12	0.72		ug/m3	TO-15
Heptane [b]		1.5	0.82		ug/m3	TO-15
Hexane		2.1	0.70		ug/m3	TO-15
2-Hexanone		0.86	0.82		ug/m3	TO-15
Isopropyl Alcohol		183	2.0		ug/m3	TO-15
Methylene chloride		2.1	0.69		ug/m3	TO-15
Methyl ethyl ketone [a]		8.3	0.59		ug/m3	TO-15
Methyl Isobutyl Ketone		0.90	0.82		ug/m3	TO-15

Summary of Hits

Job Number: JE2487
Account: Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY
Collected: 12/10/24

Lab Sample ID / Client Sample ID / Analyte	Result/ Qual	RL	MDL	Units	Method
Methylmethacrylate [a]	5.3	0.82		ug/m3	TO-15
Tertiary Butyl Alcohol [b]	15	0.61		ug/m3	TO-15
Tetrachloroethylene	12	0.27		ug/m3	TO-15
Toluene	2.5	0.75		ug/m3	TO-15
Trichloroethylene	24	0.21		ug/m3	TO-15
Trichlorofluoromethane	17	0.56		ug/m3	TO-15
Vinyl Acetate [b]	3.5	0.70		ug/m3	TO-15
m,p-Xylene	1.3	0.87		ug/m3	TO-15
Xylenes (total)	1.8	0.87		ug/m3	TO-15
JE2487-6 DUP IA					
Acetone (2-Propanone)	78.3	0.80		ppbv	TO-15
Benzene	0.71	0.16		ppbv	TO-15
Chloromethane	0.42	0.16		ppbv	TO-15
Carbon tetrachloride	0.095	0.032		ppbv	TO-15
Cyclohexane	0.18	0.16		ppbv	TO-15
Dichlorodifluoromethane	0.50	0.16		ppbv	TO-15
Ethanol	446 E	2.0		ppbv	TO-15
Ethylbenzene	0.20	0.16		ppbv	TO-15
Ethyl Acetate	5.0	0.16		ppbv	TO-15
Heptane	0.44	0.16		ppbv	TO-15
Hexane	0.71	0.16		ppbv	TO-15
Isopropyl Alcohol	28.6	0.16		ppbv	TO-15
Methylene chloride	0.48	0.16		ppbv	TO-15
Methyl ethyl ketone [c]	0.67	0.16		ppbv	TO-15
Methylmethacrylate	11.5	0.16		ppbv	TO-15
1,2,4-Trimethylbenzene	0.19	0.16		ppbv	TO-15
2,2,4-Trimethylpentane	0.34	0.16		ppbv	TO-15
Tertiary Butyl Alcohol	0.58	0.16		ppbv	TO-15
Tetrachloroethylene	0.032	0.032		ppbv	TO-15
Toluene	1.0	0.16		ppbv	TO-15
Trichlorofluoromethane	0.39	0.080		ppbv	TO-15
m,p-Xylene	0.53	0.16		ppbv	TO-15
o-Xylene	0.20	0.16		ppbv	TO-15
Xylenes (total)	0.73	0.16		ppbv	TO-15
Acetone (2-Propanone)	186	1.9		ug/m3	TO-15
Benzene	2.3	0.51		ug/m3	TO-15
Chloromethane	0.87	0.33		ug/m3	TO-15
Carbon tetrachloride	0.60	0.20		ug/m3	TO-15
Cyclohexane	0.62	0.55		ug/m3	TO-15
Dichlorodifluoromethane	2.5	0.79		ug/m3	TO-15
Ethanol	840 E	3.8		ug/m3	TO-15
Ethylbenzene	0.87	0.69		ug/m3	TO-15
Ethyl Acetate	18	0.58		ug/m3	TO-15

Summary of Hits

Job Number: JE2487
Account: Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY
Collected: 12/10/24

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Heptane		1.8	0.66		ug/m3	TO-15
Hexane		2.5	0.56		ug/m3	TO-15
Isopropyl Alcohol		70.3	0.39		ug/m3	TO-15
Methylene chloride		1.7	0.56		ug/m3	TO-15
Methyl ethyl ketone [c]		2.0	0.47		ug/m3	TO-15
Methylmethacrylate		47.1	0.66		ug/m3	TO-15
1,2,4-Trimethylbenzene		0.93	0.79		ug/m3	TO-15
2,2,4-Trimethylpentane		1.6	0.75		ug/m3	TO-15
Tertiary Butyl Alcohol		1.8	0.49		ug/m3	TO-15
Tetrachloroethylene		0.22	0.22		ug/m3	TO-15
Toluene		3.8	0.60		ug/m3	TO-15
Trichlorofluoromethane		2.2	0.45		ug/m3	TO-15
m,p-Xylene		2.3	0.69		ug/m3	TO-15
o-Xylene		0.87	0.69		ug/m3	TO-15
Xylenes (total)		3.2	0.69		ug/m3	TO-15

(a) Associated CCV outside of control limits high. This compound in blank spike is outside in house QC limits bias high.
(b) This compound in blank spike is outside in house QC limits bias high.
(c) Associated CCV outside of control limits high.

Sample Results

Report of Analysis

SGS North America Inc.

Report of Analysis

Client Sample ID:	SS-5		
Lab Sample ID:	JE2487-1	**Date Sampled:**	12/10/24
Matrix:	AIR - Soil Vapor Comp. Summa ID: M140	**Date Received:**	12/12/24
Method:	TO-15	**Percent Solids:**	n/a
Project:	Regency Center Carmel ShopRite Plaza, Carmel, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5W55768.D	1	12/20/24 04:13	TCH	n/a	n/a	V5W2135
Run #2	5W55827.D	1	12/23/24 16:52	TCH	n/a	n/a	V5W2138

	Initial Volume
Run #1	400 ml
Run #2	100 ml

VOA TO15 List

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone (2-Propanone)	41.8 [a]	0.80	ppbv		99.3 [a]	1.9	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.50	0.20	ppbv		1.6	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.10	ppbv		ND	0.67	ug/m3
75-25-2	252.8	Bromoform [b]	ND	0.040	ppbv		ND	0.41	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	ppbv		ND	0.98	ug/m3
74-87-3	50.49	Chloromethane	0.39	0.20	ppbv		0.81	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.095	0.040	ppbv		0.60	0.25	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.040	ppbv		ND	0.16	ug/m3
106-93-4	187.9	1,2-Dibromoethane (EDB)	ND	0.10	ppbv		ND	0.77	ug/m3
107-06-2	98.96	1,2-Dichloroethane [b]	ND	0.20	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.52	0.20	ppbv		2.6	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.10	ppbv		ND	0.85	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	0.15	0.040	ppbv		0.59	0.16	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	0.41	0.10	ppbv		2.5	0.60	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.040	ppbv		ND	0.24	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.10	ppbv		ND	0.60	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene [b]	ND	0.20	ppbv		ND	0.91	ug/m3

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS-5		
Lab Sample ID:	JE2487-1	**Date Sampled:**	12/10/24
Matrix:	AIR - Soil Vapor Comp. Summa ID: M140	**Date Received:**	12/12/24
Method:	TO-15	**Percent Solids:**	n/a
Project:	Regency Center Carmel ShopRite Plaza, Carmel, NY		

VOA TO15 List

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	299 [a]	2.0	ppbv	E	563 [a]	3.8	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.20	ppbv		ND	0.87	ug/m3
141-78-6	88	Ethyl Acetate [c]	20.2	0.20	ppbv		72.7	0.72	ug/m3
622-96-8	120.19	4-Ethyltoluene	ND	0.20	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	ND	0.10	ppbv		ND	0.77	ug/m3
76-14-2	170.9	Freon 114	ND	0.10	ppbv		ND	0.70	ug/m3
142-82-5	100.2	Heptane [d]	0.34	0.20	ppbv		1.4	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene [b]	ND	0.090	ppbv		ND	0.96	ug/m3
110-54-3	86.18	Hexane	1.1	0.20	ppbv		3.9	0.70	ug/m3
591-78-6	100	2-Hexanone	0.24	0.20	ppbv		0.98	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	71.3 [a]	0.80	ppbv		175 [a]	2.0	ug/m3
75-09-2	84.94	Methylene chloride	1.2	0.20	ppbv		4.2	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone [c]	2.8	0.20	ppbv		8.3	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	0.26	0.20	ppbv		1.1	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether [b]	ND	0.20	ppbv		ND	0.72	ug/m3
80-62-6	100.12	Methylmethacrylate [c]	1.2	0.20	ppbv		4.9	0.82	ug/m3
91-20-3	128.17	Naphthalene	ND	0.20	ppbv		ND	1.0	ug/m3
115-07-1	42	Propylene	ND	0.50	ppbv		ND	0.86	ug/m3
100-42-5	104.1	Styrene	ND	0.20	ppbv		ND	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.10	ppbv		ND	0.55	ug/m3
79-34-5	167.85	1,1,2,2-Tetrachloroethane	ND	0.10	ppbv		ND	0.69	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.10	ppbv		ND	0.55	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene [e]	ND	0.10	ppbv		ND	0.74	ug/m3
95-63-6	120.19	1,2,4-Trimethylbenzene	ND	0.20	ppbv		ND	0.98	ug/m3
108-67-8	120.19	1,3,5-Trimethylbenzene	ND	0.20	ppbv		ND	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	0.20	0.20	ppbv		0.93	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol [d]	4.5	0.20	ppbv		14	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	1.8	0.040	ppbv		12	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran [b]	ND	0.20	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	0.88	0.20	ppbv		3.3	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	4.2	0.040	ppbv		23	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	3.0	0.10	ppbv		17	0.56	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.040	ppbv		ND	0.10	ug/m3
108-05-4	86	Vinyl Acetate [d]	2.2	0.20	ppbv		7.7	0.70	ug/m3
	106.2	m,p-Xylene	0.36	0.20	ppbv		1.6	0.87	ug/m3
95-47-6	106.2	o-Xylene	ND	0.20	ppbv		ND	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	0.51	0.20	ppbv		2.2	0.87	ug/m3

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS-5		
Lab Sample ID:	JE2487-1	**Date Sampled:**	12/10/24
Matrix:	AIR - Soil Vapor Comp. Summa ID: M140	**Date Received:**	12/12/24
Method:	TO-15	**Percent Solids:**	n/a
Project:	Regency Center Carmel ShopRite Plaza, Carmel, NY		

VOA TO15 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	124%	111%	65-128%

(a) Result is from Run# 2
(b) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
(c) Associated CCV outside of control limits high. This compound in blank spike is outside in house QC limits bias high.
(d) This compound in blank spike is outside in house QC limits bias high.
(e) Associated CCV outside of control limits high, sample was ND.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	IA-5		
Lab Sample ID:	JE2487-2	**Date Sampled:**	12/10/24
Matrix:	AIR - Indoor Air Comp. Summa ID: A1678	**Date Received:**	12/12/24
Method:	TO-15	**Percent Solids:**	n/a
Project:	Regency Center Carmel ShopRite Plaza, Carmel, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5W55673.D	1	12/16/24 20:57	TCH	n/a	n/a	V5W2132
Run #2	5W55724.D	1	12/18/24 14:59	TCH	n/a	n/a	V5W2133

	Initial Volume
Run #1	500 ml
Run #2	100 ml

VOA TO15 List

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone (2-Propanone)	97.7 [a]	0.80	ppbv		232 [a]	1.9	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.16	ppbv		ND	0.35	ug/m3
71-43-2	78.11	Benzene	0.72	0.16	ppbv		2.3	0.51	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.080	ppbv		ND	0.54	ug/m3
75-25-2	252.8	Bromoform	ND	0.032	ppbv		ND	0.33	ug/m3
74-83-9	94.94	Bromomethane	ND	0.16	ppbv		ND	0.62	ug/m3
593-60-2	106.9	Bromoethene	ND	0.16	ppbv		ND	0.70	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.16	ppbv		ND	0.82	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.16	ppbv		ND	0.50	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.16	ppbv		ND	0.74	ug/m3
75-00-3	64.52	Chloroethane	ND	0.16	ppbv		ND	0.42	ug/m3
67-66-3	119.4	Chloroform	ND	0.16	ppbv		ND	0.78	ug/m3
74-87-3	50.49	Chloromethane	0.43	0.16	ppbv		0.89	0.33	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.16	ppbv		ND	0.50	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.16	ppbv		ND	0.83	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.092	0.032	ppbv		0.58	0.20	ug/m3
110-82-7	84.16	Cyclohexane	0.18	0.16	ppbv		0.62	0.55	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.16	ppbv		ND	0.65	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.032	ppbv		ND	0.13	ug/m3
106-93-4	187.9	1,2-Dibromoethane (EDB)	ND	0.080	ppbv		ND	0.61	ug/m3
107-06-2	98.96	1,2-Dichloroethane [b]	ND	0.16	ppbv		ND	0.65	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.16	ppbv		ND	0.74	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.16	ppbv		ND	0.58	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.50	0.16	ppbv		2.5	0.79	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.080	ppbv		ND	0.68	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.16	ppbv		ND	0.63	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.032	ppbv		ND	0.13	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.16	ppbv		ND	0.73	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.080	ppbv		ND	0.48	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.032	ppbv		ND	0.19	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.080	ppbv		ND	0.48	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.16	ppbv		ND	0.73	ug/m3

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: IA-5
Lab Sample ID: JE2487-2
Matrix: AIR - Indoor Air Comp. Summa ID: A1678
Method: TO-15
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Date Sampled: 12/10/24
Date Received: 12/12/24
Percent Solids: n/a

VOA TO15 List

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	487 [a]	2.0	ppbv	E	918 [a]	3.8	ug/m3
100-41-4	106.2	Ethylbenzene	0.20	0.16	ppbv		0.87	0.69	ug/m3
141-78-6	88	Ethyl Acetate [b]	7.2	0.16	ppbv		26	0.58	ug/m3
622-96-8	120.19	4-Ethyltoluene	ND	0.16	ppbv		ND	0.79	ug/m3
76-13-1	187.4	Freon 113	0.083	0.080	ppbv		0.64	0.61	ug/m3
76-14-2	170.9	Freon 114	ND	0.080	ppbv		ND	0.56	ug/m3
142-82-5	100.2	Heptane	0.43	0.16	ppbv		1.8	0.66	ug/m3
87-68-3	260.8	Hexachlorobutadiene [c]	ND	0.072	ppbv		ND	0.77	ug/m3
110-54-3	86.18	Hexane	0.87	0.16	ppbv		3.1	0.56	ug/m3
591-78-6	100	2-Hexanone	ND	0.16	ppbv		ND	0.65	ug/m3
67-63-0	60.1	Isopropyl Alcohol	27.8	0.16	ppbv		68.3	0.39	ug/m3
75-09-2	84.94	Methylene chloride	0.61	0.16	ppbv		2.1	0.56	ug/m3
78-93-3	72.11	Methyl ethyl ketone [d]	0.84	0.16	ppbv		2.5	0.47	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.16	ppbv		ND	0.66	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether [b]	ND	0.16	ppbv		ND	0.58	ug/m3
80-62-6	100.12	Methylmethacrylate	9.7	0.16	ppbv		40	0.66	ug/m3
91-20-3	128.17	Naphthalene	0.27	0.16	ppbv		1.4	0.84	ug/m3
115-07-1	42	Propylene	ND	0.40	ppbv		ND	0.69	ug/m3
100-42-5	104.1	Styrene	ND	0.16	ppbv		ND	0.68	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.080	ppbv		ND	0.44	ug/m3
79-34-5	167.85	1,1,2,2-Tetrachloroethane	ND	0.080	ppbv		ND	0.55	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.080	ppbv		ND	0.44	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	0.25	0.080	ppbv		1.9	0.59	ug/m3
95-63-6	120.19	1,2,4-Trimethylbenzene	0.17	0.16	ppbv		0.84	0.79	ug/m3
108-67-8	120.19	1,3,5-Trimethylbenzene	ND	0.16	ppbv		ND	0.79	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	0.36	0.16	ppbv		1.7	0.75	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	0.95	0.16	ppbv		2.9	0.49	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.046	0.032	ppbv		0.31	0.22	ug/m3
109-99-9	72.11	Tetrahydrofuran [c]	ND	0.16	ppbv		ND	0.47	ug/m3
108-88-3	92.14	Toluene	1.1	0.16	ppbv		4.1	0.60	ug/m3
79-01-6	131.4	Trichloroethylene	0.055	0.032	ppbv		0.30	0.17	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.39	0.080	ppbv		2.2	0.45	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.032	ppbv		ND	0.082	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.16	ppbv		ND	0.56	ug/m3
	106.2	m,p-Xylene	0.51	0.16	ppbv		2.2	0.69	ug/m3
95-47-6	106.2	o-Xylene	0.19	0.16	ppbv		0.83	0.69	ug/m3
1330-20-7	106.2	Xylenes (total)	0.70	0.16	ppbv		3.0	0.69	ug/m3

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IA-5		
Lab Sample ID:	JE2487-2	**Date Sampled:**	12/10/24
Matrix:	AIR - Indoor Air Comp. Summa ID: A1678	**Date Received:**	12/12/24
Method:	TO-15	**Percent Solids:**	n/a
Project:	Regency Center Carmel ShopRite Plaza, Carmel, NY		

VOA TO15 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	110%	110%	65-128%

(a) Result is from Run# 2
(b) This compound in blank spike is outside in house QC limits bias high.
(c) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
(d) Associated CCV outside of control limits high. This compound in blank spike is outside in house QC limits bias high.

SGS North America Inc.

Report of Analysis

Client Sample ID:	SS-6		
Lab Sample ID:	JE2487-3	**Date Sampled:**	12/10/24
Matrix:	AIR - Soil Vapor Comp. Summa ID: A1737	**Date Received:**	12/12/24
Method:	TO-15	**Percent Solids:**	n/a
Project:	Regency Center Carmel ShopRite Plaza, Carmel, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5W55769.D	1	12/20/24 04:55	TCH	n/a	n/a	V5W2135
Run #2							

	Initial Volume
Run #1	100 ml
Run #2	

VOA TO15 List

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone (2-Propanone)	16.9	0.80	ppbv		40.1	1.9	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.80	ppbv		ND	1.8	ug/m3
71-43-2	78.11	Benzene	ND	0.80	ppbv		ND	2.6	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.40	ppbv		ND	2.7	ug/m3
75-25-2	252.8	Bromoform [a]	ND	0.16	ppbv		ND	1.7	ug/m3
74-83-9	94.94	Bromomethane	ND	0.80	ppbv		ND	3.1	ug/m3
593-60-2	106.9	Bromoethene	ND	0.80	ppbv		ND	3.5	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.80	ppbv		ND	4.1	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.80	ppbv		ND	2.5	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.80	ppbv		ND	3.7	ug/m3
75-00-3	64.52	Chloroethane	ND	0.80	ppbv		ND	2.1	ug/m3
67-66-3	119.4	Chloroform	2.1	0.80	ppbv		10	3.9	ug/m3
74-87-3	50.49	Chloromethane	ND	0.80	ppbv		ND	1.7	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.80	ppbv		ND	2.5	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.80	ppbv		ND	4.1	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.16	ppbv		ND	1.0	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.80	ppbv		ND	2.8	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.80	ppbv		ND	3.2	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.16	ppbv		ND	0.63	ug/m3
106-93-4	187.9	1,2-Dibromoethane (EDB)	ND	0.40	ppbv		ND	3.1	ug/m3
107-06-2	98.96	1,2-Dichloroethane [a]	ND	0.80	ppbv		ND	3.2	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.80	ppbv		ND	3.7	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.80	ppbv		ND	2.9	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	ND	0.80	ppbv		ND	4.0	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.40	ppbv		ND	3.4	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.80	ppbv		ND	3.2	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.16	ppbv		ND	0.63	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.80	ppbv		ND	3.6	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.40	ppbv		ND	2.4	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.16	ppbv		ND	0.96	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.40	ppbv		ND	2.4	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene [a]	ND	0.80	ppbv		ND	3.6	ug/m3

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS-6		
Lab Sample ID:	JE2487-3	**Date Sampled:**	12/10/24
Matrix:	AIR - Soil Vapor Comp. Summa ID: A1737	**Date Received:**	12/12/24
Method:	TO-15	**Percent Solids:**	n/a
Project:	Regency Center Carmel ShopRite Plaza, Carmel, NY		

VOA TO15 List

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	31.8	2.0	ppbv		59.9	3.8	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.80	ppbv		ND	3.5	ug/m3
141-78-6	88	Ethyl Acetate [b]	7.4	0.80	ppbv		27	2.9	ug/m3
622-96-8	120.19	4-Ethyltoluene	ND	0.80	ppbv		ND	3.9	ug/m3
76-13-1	187.4	Freon 113	ND	0.40	ppbv		ND	3.1	ug/m3
76-14-2	170.9	Freon 114	ND	0.40	ppbv		ND	2.8	ug/m3
142-82-5	100.2	Heptane [c]	ND	0.80	ppbv		ND	3.3	ug/m3
87-68-3	260.8	Hexachlorobutadiene [a]	ND	0.36	ppbv		ND	3.8	ug/m3
110-54-3	86.18	Hexane	ND	0.80	ppbv		ND	2.8	ug/m3
591-78-6	100	2-Hexanone	ND	0.80	ppbv		ND	3.3	ug/m3
67-63-0	60.1	Isopropyl Alcohol	7.1	0.80	ppbv		17	2.0	ug/m3
75-09-2	84.94	Methylene chloride	ND	0.80	ppbv		ND	2.8	ug/m3
78-93-3	72.11	Methyl ethyl ketone [a]	ND	0.80	ppbv		ND	2.4	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.80	ppbv		ND	3.3	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether [a]	ND	0.80	ppbv		ND	2.9	ug/m3
80-62-6	100.12	Methylmethacrylate [a]	ND	0.80	ppbv		ND	3.3	ug/m3
91-20-3	128.17	Naphthalene	ND	0.80	ppbv		ND	4.2	ug/m3
115-07-1	42	Propylene	ND	2.0	ppbv		ND	3.4	ug/m3
100-42-5	104.1	Styrene	ND	0.80	ppbv		ND	3.4	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.40	ppbv		ND	2.2	ug/m3
79-34-5	167.85	1,1,2,2-Tetrachloroethane	ND	0.40	ppbv		ND	2.7	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.40	ppbv		ND	2.2	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene [d]	ND	0.40	ppbv		ND	3.0	ug/m3
95-63-6	120.19	1,2,4-Trimethylbenzene	ND	0.80	ppbv		ND	3.9	ug/m3
108-67-8	120.19	1,3,5-Trimethylbenzene	ND	0.80	ppbv		ND	3.9	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.80	ppbv		ND	3.7	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol [c]	0.99	0.80	ppbv		3.0	2.4	ug/m3
127-18-4	165.8	Tetrachloroethylene	153	0.16	ppbv		1040	1.1	ug/m3
109-99-9	72.11	Tetrahydrofuran [a]	ND	0.80	ppbv		ND	2.4	ug/m3
108-88-3	92.14	Toluene	ND	0.80	ppbv		ND	3.0	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.16	ppbv		ND	0.86	ug/m3
75-69-4	137.4	Trichlorofluoromethane	7.0	0.40	ppbv		39	2.2	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.16	ppbv		ND	0.41	ug/m3
108-05-4	86	Vinyl Acetate [c]	ND	0.80	ppbv		ND	2.8	ug/m3
	106.2	m,p-Xylene	ND	0.80	ppbv		ND	3.5	ug/m3
95-47-6	106.2	o-Xylene	ND	0.80	ppbv		ND	3.5	ug/m3
1330-20-7	106.2	Xylenes (total)	ND	0.80	ppbv		ND	3.5	ug/m3

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS-6		
Lab Sample ID:	JE2487-3	**Date Sampled:**	12/10/24
Matrix:	AIR - Soil Vapor Comp. Summa ID: A1737	**Date Received:**	12/12/24
Method:	TO-15	**Percent Solids:**	n/a
Project:	Regency Center Carmel ShopRite Plaza, Carmel, NY		

VOA TO15 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	110%		65-128%

(a) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
(b) Associated CCV outside of control limits high. This compound in blank spike is outside in house QC limits bias high.
(c) This compound in blank spike is outside in house QC limits bias high.
(d) Associated CCV outside of control limits high, sample was ND.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID: IA-6
Lab Sample ID: JE2487-4
Matrix: AIR - Indoor Air Comp. Summa ID: A1659
Method: TO-15
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Date Sampled: 12/10/24
Date Received: 12/12/24
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5W55674.D	1	12/16/24 21:45	TCH	n/a	n/a	V5W2132
Run #2	5W55725.D	1	12/18/24 15:40	TCH	n/a	n/a	V5W2133

	Initial Volume
Run #1	500 ml
Run #2	20.0 ml

VOA TO15 List

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone (2-Propanone)	553 [a]	4.0	ppbv		1310 [a]	9.5	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.16	ppbv		ND	0.35	ug/m3
71-43-2	78.11	Benzene	0.70	0.16	ppbv		2.2	0.51	ug/m3
75-27-4	163.8	Bromodichloromethane	0.093	0.080	ppbv		0.62	0.54	ug/m3
75-25-2	252.8	Bromoform	ND	0.032	ppbv		ND	0.33	ug/m3
74-83-9	94.94	Bromomethane	ND	0.16	ppbv		ND	0.62	ug/m3
593-60-2	106.9	Bromoethene	ND	0.16	ppbv		ND	0.70	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.16	ppbv		ND	0.82	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.16	ppbv		ND	0.50	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.16	ppbv		ND	0.74	ug/m3
75-00-3	64.52	Chloroethane	ND	0.16	ppbv		ND	0.42	ug/m3
67-66-3	119.4	Chloroform	0.79	0.16	ppbv		3.9	0.78	ug/m3
74-87-3	50.49	Chloromethane	0.44	0.16	ppbv		0.91	0.33	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.16	ppbv		ND	0.50	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.16	ppbv		ND	0.83	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.12	0.032	ppbv		0.75	0.20	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.16	ppbv		ND	0.55	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.16	ppbv		ND	0.65	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.032	ppbv		ND	0.13	ug/m3
106-93-4	187.9	1,2-Dibromoethane (EDB)	ND	0.080	ppbv		ND	0.61	ug/m3
107-06-2	98.96	1,2-Dichloroethane [b]	ND	0.16	ppbv		ND	0.65	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.16	ppbv		ND	0.74	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.16	ppbv		ND	0.58	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.50	0.16	ppbv		2.5	0.79	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.080	ppbv		ND	0.68	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.16	ppbv		ND	0.63	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.032	ppbv		ND	0.13	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.16	ppbv		ND	0.73	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.080	ppbv		ND	0.48	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.032	ppbv		ND	0.19	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.080	ppbv		ND	0.48	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.16	ppbv		ND	0.73	ug/m3

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IA-6		
Lab Sample ID:	JE2487-4	**Date Sampled:**	12/10/24
Matrix:	AIR - Indoor Air Comp. Summa ID: A1659	**Date Received:**	12/12/24
Method:	TO-15	**Percent Solids:**	n/a
Project:	Regency Center Carmel ShopRite Plaza, Carmel, NY		

VOA TO15 List

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	1040 [a]	10	ppbv	E	1960 [a]	19	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.16	ppbv		ND	0.69	ug/m3
141-78-6	88	Ethyl Acetate [b]	16.8	0.16	ppbv		60.5	0.58	ug/m3
622-96-8	120.19	4-Ethyltoluene	ND	0.16	ppbv		ND	0.79	ug/m3
76-13-1	187.4	Freon 113	ND	0.080	ppbv		ND	0.61	ug/m3
76-14-2	170.9	Freon 114	ND	0.080	ppbv		ND	0.56	ug/m3
142-82-5	100.2	Heptane	0.88	0.16	ppbv		3.6	0.66	ug/m3
87-68-3	260.8	Hexachlorobutadiene [c]	ND	0.072	ppbv		ND	0.77	ug/m3
110-54-3	86.18	Hexane	0.56	0.16	ppbv		2.0	0.56	ug/m3
591-78-6	100	2-Hexanone	ND	0.16	ppbv		ND	0.65	ug/m3
67-63-0	60.1	Isopropyl Alcohol	106 [a]	4.0	ppbv		261 [a]	9.8	ug/m3
75-09-2	84.94	Methylene chloride	0.44	0.16	ppbv		1.5	0.56	ug/m3
78-93-3	72.11	Methyl ethyl ketone [d]	1.3	0.16	ppbv		3.8	0.47	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.16	ppbv		ND	0.66	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether [b]	ND	0.16	ppbv		ND	0.58	ug/m3
80-62-6	100.12	Methylmethacrylate	55.5 [a]	4.0	ppbv		227 [a]	16	ug/m3
91-20-3	128.17	Naphthalene	ND	0.16	ppbv		ND	0.84	ug/m3
115-07-1	42	Propylene	ND	0.40	ppbv		ND	0.69	ug/m3
100-42-5	104.1	Styrene	ND	0.16	ppbv		ND	0.68	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.080	ppbv		ND	0.44	ug/m3
79-34-5	167.85	1,1,2,2-Tetrachloroethane	ND	0.080	ppbv		ND	0.55	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.080	ppbv		ND	0.44	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	0.12	0.080	ppbv		0.89	0.59	ug/m3
95-63-6	120.19	1,2,4-Trimethylbenzene	ND	0.16	ppbv		ND	0.79	ug/m3
108-67-8	120.19	1,3,5-Trimethylbenzene	ND	0.16	ppbv		ND	0.79	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	0.24	0.16	ppbv		1.1	0.75	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	0.80	0.16	ppbv		2.4	0.49	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.11	0.032	ppbv		0.75	0.22	ug/m3
109-99-9	72.11	Tetrahydrofuran [c]	ND	0.16	ppbv		ND	0.47	ug/m3
108-88-3	92.14	Toluene	1.1	0.16	ppbv		4.1	0.60	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.032	ppbv		ND	0.17	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.47	0.080	ppbv		2.6	0.45	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.032	ppbv		ND	0.082	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.16	ppbv		ND	0.56	ug/m3
	106.2	m,p-Xylene	0.35	0.16	ppbv		1.5	0.69	ug/m3
95-47-6	106.2	o-Xylene	ND	0.16	ppbv		ND	0.69	ug/m3
1330-20-7	106.2	Xylenes (total)	0.49	0.16	ppbv		2.1	0.69	ug/m3

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IA-6		
Lab Sample ID:	JE2487-4	**Date Sampled:**	12/10/24
Matrix:	AIR - Indoor Air Comp. Summa ID: A1659	**Date Received:**	12/12/24
Method:	TO-15	**Percent Solids:**	n/a
Project:	Regency Center Carmel ShopRite Plaza, Carmel, NY		

VOA TO15 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	113%	110%	65-128%

(a) Result is from Run# 2
(b) This compound in blank spike is outside in house QC limits bias high.
(c) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
(d) Associated CCV outside of control limits high. This compound in blank spike is outside in house QC limits bias high.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID: DUP SS
Lab Sample ID: JE2487-5
Matrix: AIR - Soil Vapor Comp. Summa ID: A1597
Method: TO-15
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Date Sampled: 12/10/24
Date Received: 12/12/24
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5W55770.D	1	12/20/24 05:43	TCH	n/a	n/a	V5W2135
Run #2	5W55828.D	1	12/23/24 17:34	TCH	n/a	n/a	V5W2138

	Initial Volume
Run #1	400 ml
Run #2	100 ml

VOA TO15 List

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone (2-Propanone)	42.8 [a]	0.80	ppbv		102 [a]	1.9	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.47	0.20	ppbv		1.5	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.10	ppbv		ND	0.67	ug/m3
75-25-2	252.8	Bromoform [b]	ND	0.040	ppbv		ND	0.41	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	ppbv		ND	0.98	ug/m3
74-87-3	50.49	Chloromethane	ND	0.20	ppbv		ND	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.040	ppbv		ND	0.25	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.040	ppbv		ND	0.16	ug/m3
106-93-4	187.9	1,2-Dibromoethane (EDB)	ND	0.10	ppbv		ND	0.77	ug/m3
107-06-2	98.96	1,2-Dichloroethane [b]	ND	0.20	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.55	0.20	ppbv		2.7	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.10	ppbv		ND	0.85	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	0.20	0.20	ppbv		0.79	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	0.14	0.040	ppbv		0.56	0.16	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	0.45	0.10	ppbv		2.7	0.60	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.040	ppbv		ND	0.24	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.10	ppbv		ND	0.60	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene [b]	ND	0.20	ppbv		ND	0.91	ug/m3

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP SS		
Lab Sample ID:	JE2487-5	**Date Sampled:**	12/10/24
Matrix:	AIR - Soil Vapor Comp. Summa ID: A1597	**Date Received:**	12/12/24
Method:	TO-15	**Percent Solids:**	n/a
Project:	Regency Center Carmel ShopRite Plaza, Carmel, NY		

VOA TO15 List

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	308 [a]	2.0	ppbv	E	580 [a]	3.8	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.20	ppbv		ND	0.87	ug/m3
141-78-6	88	Ethyl Acetate [c]	3.2	0.20	ppbv		12	0.72	ug/m3
622-96-8	120.19	4-Ethyltoluene	ND	0.20	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	ND	0.10	ppbv		ND	0.77	ug/m3
76-14-2	170.9	Freon 114	ND	0.10	ppbv		ND	0.70	ug/m3
142-82-5	100.2	Heptane [d]	0.36	0.20	ppbv		1.5	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene [b]	ND	0.090	ppbv		ND	0.96	ug/m3
110-54-3	86.18	Hexane	0.60	0.20	ppbv		2.1	0.70	ug/m3
591-78-6	100	2-Hexanone	0.21	0.20	ppbv		0.86	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	74.6 [a]	0.80	ppbv		183 [a]	2.0	ug/m3
75-09-2	84.94	Methylene chloride	0.60	0.20	ppbv		2.1	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone [c]	2.8	0.20	ppbv		8.3	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	0.22	0.20	ppbv		0.90	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether [b]	ND	0.20	ppbv		ND	0.72	ug/m3
80-62-6	100.12	Methylmethacrylate [c]	1.3	0.20	ppbv		5.3	0.82	ug/m3
91-20-3	128.17	Naphthalene	ND	0.20	ppbv		ND	1.0	ug/m3
115-07-1	42	Propylene	ND	0.50	ppbv		ND	0.86	ug/m3
100-42-5	104.1	Styrene	ND	0.20	ppbv		ND	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.10	ppbv		ND	0.55	ug/m3
79-34-5	167.85	1,1,2,2-Tetrachloroethane	ND	0.10	ppbv		ND	0.69	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.10	ppbv		ND	0.55	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene [e]	ND	0.10	ppbv		ND	0.74	ug/m3
95-63-6	120.19	1,2,4-Trimethylbenzene	ND	0.20	ppbv		ND	0.98	ug/m3
108-67-8	120.19	1,3,5-Trimethylbenzene	ND	0.20	ppbv		ND	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	ppbv		ND	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol [d]	4.9	0.20	ppbv		15	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	1.8	0.040	ppbv		12	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran [b]	ND	0.20	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	0.66	0.20	ppbv		2.5	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	4.5	0.040	ppbv		24	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	3.0	0.10	ppbv		17	0.56	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.040	ppbv		ND	0.10	ug/m3
108-05-4	86	Vinyl Acetate [d]	1.0	0.20	ppbv		3.5	0.70	ug/m3
	106.2	m,p-Xylene	0.30	0.20	ppbv		1.3	0.87	ug/m3
95-47-6	106.2	o-Xylene	ND	0.20	ppbv		ND	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	0.42	0.20	ppbv		1.8	0.87	ug/m3

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP SS		
Lab Sample ID:	JE2487-5	**Date Sampled:**	12/10/24
Matrix:	AIR - Soil Vapor Comp. Summa ID: A1597	**Date Received:**	12/12/24
Method:	TO-15	**Percent Solids:**	n/a
Project:	Regency Center Carmel ShopRite Plaza, Carmel, NY		

VOA TO15 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	120%	109%	65-128%

(a) Result is from Run# 2
(b) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
(c) Associated CCV outside of control limits high. This compound in blank spike is outside in house QC limits bias high.
(d) This compound in blank spike is outside in house QC limits bias high.
(e) Associated CCV outside of control limits high, sample was ND.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	DUP IA		
Lab Sample ID:	JE2487-6	**Date Sampled:**	12/10/24
Matrix:	AIR - Indoor Air Comp. Summa ID: A1284	**Date Received:**	12/12/24
Method:	TO-15	**Percent Solids:**	n/a
Project:	Regency Center Carmel ShopRite Plaza, Carmel, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5W55676.D	1	12/16/24 23:21	TCH	n/a	n/a	V5W2132
Run #2	5W55771.D	1	12/20/24 06:26	TCH	n/a	n/a	V5W2135

	Initial Volume
Run #1	500 ml
Run #2	100 ml

VOA TO15 List

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone (2-Propanone)	78.3 [a]	0.80	ppbv		186 [a]	1.9	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.16	ppbv		ND	0.35	ug/m3
71-43-2	78.11	Benzene	0.71	0.16	ppbv		2.3	0.51	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.080	ppbv		ND	0.54	ug/m3
75-25-2	252.8	Bromoform	ND	0.032	ppbv		ND	0.33	ug/m3
74-83-9	94.94	Bromomethane	ND	0.16	ppbv		ND	0.62	ug/m3
593-60-2	106.9	Bromoethene	ND	0.16	ppbv		ND	0.70	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.16	ppbv		ND	0.82	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.16	ppbv		ND	0.50	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.16	ppbv		ND	0.74	ug/m3
75-00-3	64.52	Chloroethane	ND	0.16	ppbv		ND	0.42	ug/m3
67-66-3	119.4	Chloroform	ND	0.16	ppbv		ND	0.78	ug/m3
74-87-3	50.49	Chloromethane	0.42	0.16	ppbv		0.87	0.33	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.16	ppbv		ND	0.50	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.16	ppbv		ND	0.83	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.095	0.032	ppbv		0.60	0.20	ug/m3
110-82-7	84.16	Cyclohexane	0.18	0.16	ppbv		0.62	0.55	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.16	ppbv		ND	0.65	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.032	ppbv		ND	0.13	ug/m3
106-93-4	187.9	1,2-Dibromoethane (EDB)	ND	0.080	ppbv		ND	0.61	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.16	ppbv		ND	0.65	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.16	ppbv		ND	0.74	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.16	ppbv		ND	0.58	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.50	0.16	ppbv		2.5	0.79	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.080	ppbv		ND	0.68	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.16	ppbv		ND	0.63	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.032	ppbv		ND	0.13	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.16	ppbv		ND	0.73	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.080	ppbv		ND	0.48	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.032	ppbv		ND	0.19	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.080	ppbv		ND	0.48	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.16	ppbv		ND	0.73	ug/m3

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP IA		
Lab Sample ID:	JE2487-6	**Date Sampled:**	12/10/24
Matrix:	AIR - Indoor Air Comp. Summa ID: A1284	**Date Received:**	12/12/24
Method:	TO-15	**Percent Solids:**	n/a
Project:	Regency Center Carmel ShopRite Plaza, Carmel, NY		

VOA TO15 List

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	446 [a]	2.0	ppbv	E	840 [a]	3.8	ug/m3
100-41-4	106.2	Ethylbenzene	0.20	0.16	ppbv		0.87	0.69	ug/m3
141-78-6	88	Ethyl Acetate	5.0	0.16	ppbv		18	0.58	ug/m3
622-96-8	120.19	4-Ethyltoluene	ND	0.16	ppbv		ND	0.79	ug/m3
76-13-1	187.4	Freon 113	ND	0.080	ppbv		ND	0.61	ug/m3
76-14-2	170.9	Freon 114	ND	0.080	ppbv		ND	0.56	ug/m3
142-82-5	100.2	Heptane	0.44	0.16	ppbv		1.8	0.66	ug/m3
87-68-3	260.8	Hexachlorobutadiene [b]	ND	0.072	ppbv		ND	0.77	ug/m3
110-54-3	86.18	Hexane	0.71	0.16	ppbv		2.5	0.56	ug/m3
591-78-6	100	2-Hexanone	ND	0.16	ppbv		ND	0.65	ug/m3
67-63-0	60.1	Isopropyl Alcohol	28.6	0.16	ppbv		70.3	0.39	ug/m3
75-09-2	84.94	Methylene chloride	0.48	0.16	ppbv		1.7	0.56	ug/m3
78-93-3	72.11	Methyl ethyl ketone [c]	0.67	0.16	ppbv		2.0	0.47	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.16	ppbv		ND	0.66	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.16	ppbv		ND	0.58	ug/m3
80-62-6	100.12	Methylmethacrylate	11.5	0.16	ppbv		47.1	0.66	ug/m3
91-20-3	128.17	Naphthalene	ND	0.16	ppbv		ND	0.84	ug/m3
115-07-1	42	Propylene	ND	0.40	ppbv		ND	0.69	ug/m3
100-42-5	104.1	Styrene	ND	0.16	ppbv		ND	0.68	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.080	ppbv		ND	0.44	ug/m3
79-34-5	167.85	1,1,2,2-Tetrachloroethane	ND	0.080	ppbv		ND	0.55	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.080	ppbv		ND	0.44	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.080	ppbv		ND	0.59	ug/m3
95-63-6	120.19	1,2,4-Trimethylbenzene	0.19	0.16	ppbv		0.93	0.79	ug/m3
108-67-8	120.19	1,3,5-Trimethylbenzene	ND	0.16	ppbv		ND	0.79	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	0.34	0.16	ppbv		1.6	0.75	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	0.58	0.16	ppbv		1.8	0.49	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.032	0.032	ppbv		0.22	0.22	ug/m3
109-99-9	72.11	Tetrahydrofuran [b]	ND	0.16	ppbv		ND	0.47	ug/m3
108-88-3	92.14	Toluene	1.0	0.16	ppbv		3.8	0.60	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.032	ppbv		ND	0.17	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.39	0.080	ppbv		2.2	0.45	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.032	ppbv		ND	0.082	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.16	ppbv		ND	0.56	ug/m3
	106.2	m,p-Xylene	0.53	0.16	ppbv		2.3	0.69	ug/m3
95-47-6	106.2	o-Xylene	0.20	0.16	ppbv		0.87	0.69	ug/m3
1330-20-7	106.2	Xylenes (total)	0.73	0.16	ppbv		3.2	0.69	ug/m3

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP IA		
Lab Sample ID:	JE2487-6	**Date Sampled:**	12/10/24
Matrix:	AIR - Indoor Air Comp. Summa ID: A1284	**Date Received:**	12/12/24
Method:	TO-15	**Percent Solids:**	n/a
Project:	Regency Center Carmel ShopRite Plaza, Carmel, NY		

VOA TO15 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	111%	111%	65-128%

(a) Result is from Run# 2
(b) Associated CCV outside of control limits high, sample was ND.
(c) Associated CCV outside of control limits high.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Summa Canister and Flow Controller Log
- Sample Tracking Chronicle
- Internal Chain of Custody

SGS ACCUTEST

AIR CHAIN OF CUSTODY

SGS Accutest - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.accutest.com

AIR JE 2487

FED-EX Tracking # | Bottle Order Control # MM-012624-115 | PAGE _1_ OF _1_
Lab Quote # | Lab Job #

Client / Reporting Information

Company Name: Groundwater & Environmental Services
Address: 63 East Street, Suite 3
City: Pawling | State: NY | Zip: 12564
Project Contact: Michael DeGloria | E-mail: MDegloria@GESOnline.com
Phone #: 866-839-5195 | Fax #:
Sampler(s) Name(s): R. Brown

Project Information

Project Name: Regency Center Carmel ShopRite Plaza, Carmel, NY
Street: 180 Glenida Avenue "ELECTRIC PARADISE TANNING"
City: Carmel | State: NY
Project #: 1192323-02-210 -111
Client Purchase Order #:
Invoice to GES, please reference Project #

Weather Parameters

Temperature (Fahrenheit): Start: 40 Maximum: 41 | Stop 41 Minimum: 40
Atmoshpheric Pressure (inches of Hg): Start: 30.20 Maximum: 30.20 | Stop: 30.00 Minimum: 30.00
Other weather comment:

Lab Sample #	Field ID / Point of Collection	Air Type: Indoor(I) Soil Vap(SV) Ambient(A)	Sampling Equipment Info: Canister Serial #	Canister Size 6L or 1L	Flow Controller Serial #	Start Sampling Information: Date	Time (24hr clock)	Canister Pressure ("Hg)	Interior Temp (F)	Sampler Init.	Stop Sampling Information: Date	Time (24hr clock)	Canister Pressure ("Hg)	Interior Temp (F)	Sampler Init.	Requested Analysis: VTO15NYSVLL	VTO15NYLL
1	SS-5	SV	M140	6L	1156	12/10/24	0922	29.0	75	RB	12/10/24	1711	5.0	75	RB	X	
2	IA-5	I	A1628	6L	1371	12/10/24	0927	29.5	75	RB	12/10/24	1718	3.5	75	RB		X
3	SS-6	SV	A1737	6L	1378	12/10/24	0935	29.0	75	RB	12/10/24	1725	3.0	75	RB	X	
4	IA-6	I	A1659	6L	1097	12/10/24	0936	29.0	75	RB	12/10/24	1730	5.5	75	RB		X
5	DUP SS	SV	A1587	6L	1075	12/10/24	0922	29.5	75	RB	12/10/24	1711	5.0	75	RB	X	
10	DUP IA	I	A1283	6L	567	12/10/24	0908	730	75	RB	12/10/24	1720	6.0	75	RB		X

Turnaround Time (Business days)

Standard - 15 Days: GES Std
10 Day
5 Day
3 Day
2 Day
1 Day
Other
Approved By:
Date:

Data Deliverable Information

All NJDEP TO-15 is mandatory Full T1
Comm A
Comm B
Reduced T2
Full T1
Other:
DKQP reporting

Comments / Remarks

VTO15NYSVLL - soil vapor; VTO15NYLL - indoor/ambient
NYCATB Report
Initial Assessment 3BHR
Label Verification

Sample Inventory is verified upon receipt in the Laboratory

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1 RBrown	12/10/24 1630	1 FEDEX 12/ /24	2	12/11/2024 0830	2 FEDEX
3 ~~FEDEX~~	12/12/24 1100	3	4		4
5		5	Custody Seal #		

5.1 5

JE2487: Chain of Custody
Page 1 of 2

SGS Sample Receipt Summary

Job Number: JE2487 **Client:** GROUNDWATER & ENVIRONMENTAL SE **Project:** REGENCY CENTER CARMEL SHOPRITE

Date / Time Received: 12/12/2024 11:00:00 AM **Delivery Method:** FEDEX **Airbill #'s:**

Cooler Temps (Raw Measured) °C:

Cooler Temps (Corrected) °C:

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☐		☐
2. Cooler temp verification:	N/A		
3. Cooler media:	N/A		
4. No. Coolers:	N/A		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☑	☐
2. Trip Blank listed on COC:	☐		☑	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Test Strip Lot #s: pH 1-12: 231619 pH 12+: 203117A Other: (Specify)

Comments

SM089-03
Rev. Date 12/7/17

JE2487: Chain of Custody
Page 2 of 2

Summa Canister and Flow Controller Log

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY
Received: 12/12/24

SUMMA CANISTERS

Shipping							Receiving					
Summa ID	L	Vac " Hg	Date Out	By	SCC Batch	SCC FileID	Sample Number	Date In	By	Vac " Hg	Pres psig	Final psig	Dil Fact
M140	6	29.5	12/03/24	JT	CP12875	3W88854.D	JE2487-1	12/12/24	RC	5			1
A1678	6	30	12/03/24	JT	CP12926	7W10778.D	JE2487-2	12/12/24	RC	4.5			1
A1737	6	29.5	12/03/24	JT	CP12926	7W10778.D	JE2487-3	12/12/24	RC	4.5			1
A1659	6	30	12/03/24	JT	CP12922	7W10671.D	JE2487-4	12/12/24	RC	5.5			1
A1597	6	29.5	12/03/24	JT	CP12926	7W10778.D	JE2487-5	12/12/24	RC	5.5			1
A1284	6	30	12/03/24	JT	CP12909	7W10344.D	JE2487-6	12/12/24	RC	6			1

FLOW CONTROLLERS / OTHER

Shipping					Receiving				
Flow Crtl ID	Date Out	By	cc/ min	Time hrs.	Date In	By	cc/ min	Flow RPD	Equipment Type
FC567	12/03/24	JT	10.5	8	12/12/24	RC	10.6	0.9	Flow Controller
FC1079	12/03/24	JT	10.4	8	12/12/24	RC	10.7	2.8	Flow Controller
FC1097	12/03/24	JT	10.5	8	12/12/24	RC	10.8	2.8	Flow Controller
FC1156	12/03/24	JT	10.4	8	12/12/24	RC	10.5	1	Flow Controller
FC1371	12/03/24	JT	10.4	8	12/12/24	RC	10.5	1	Flow Controller
FC1378	12/03/24	JT	10.4	8	12/12/24	RC	10.8	3.8	Flow Controller

SGS Bottle Order(s):
MM-112524-154

Prep Date	Room Temp(F)	Bar Pres "Hg
12/03/24	70	29.92

Internal Sample Tracking Chronicle

Groundwater & Environmental Services

Job No: JE2487

Regency Center Carmel ShopRite Plaza, Carmel, NY
Project No: 1192323-02-210-1111

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JE2487-1 SS-5	Collected: 10-DEC-24 17:11 By: RB		Received: 12-DEC-24 By: HR			
JE2487-1	TO-15	20-DEC-24 04:13	TCH			VTO15NYSVLL
JE2487-1	TO-15	23-DEC-24 16:52	TCH			VTO15NYSVLL
JE2487-2 IA-5	Collected: 10-DEC-24 17:18 By: RB		Received: 12-DEC-24 By: HR			
JE2487-2	TO-15	16-DEC-24 20:57	TCH			VTO15NYLL
JE2487-2	TO-15	18-DEC-24 14:59	TCH			VTO15NYLL
JE2487-3 SS-6	Collected: 10-DEC-24 17:25 By: RB		Received: 12-DEC-24 By: HR			
JE2487-3	TO-15	20-DEC-24 04:55	TCH			VTO15NYSVLL
JE2487-4 IA-6	Collected: 10-DEC-24 17:30 By: RB		Received: 12-DEC-24 By: HR			
JE2487-4	TO-15	16-DEC-24 21:45	TCH			VTO15NYLL
JE2487-4	TO-15	18-DEC-24 15:40	TCH			VTO15NYLL
JE2487-5 DUP SS	Collected: 10-DEC-24 17:11 By: RB		Received: 12-DEC-24 By: HR			
JE2487-5	TO-15	20-DEC-24 05:43	TCH			VTO15NYSVLL
JE2487-5	TO-15	23-DEC-24 17:34	TCH			VTO15NYSVLL
JE2487-6 DUP IA	Collected: 10-DEC-24 17:20 By: RB		Received: 12-DEC-24 By: HR			
JE2487-6	TO-15	16-DEC-24 23:21	TCH			VTO15NYLL
JE2487-6	TO-15	20-DEC-24 06:26	TCH			VTO15NYLL

SGS Internal Chain of Custody

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY
Received: 12/12/24

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JE2487-1.1	Seamus D'angiolillo	Air Storage	12/12/24 19:57	Return to Storage
JE2487-1.2	Seamus D'angiolillo	Air Storage	12/12/24 19:57	Return to Storage
JE2487-2.1	Seamus D'angiolillo	Air Storage	12/12/24 19:57	Return to Storage
JE2487-2.2	Seamus D'angiolillo	Air Storage	12/12/24 19:57	Return to Storage
JE2487-3.1	Seamus D'angiolillo	Air Storage	12/12/24 19:57	Return to Storage
JE2487-3.2	Seamus D'angiolillo	Air Storage	12/12/24 19:57	Return to Storage
JE2487-4.1	Seamus D'angiolillo	Air Storage	12/12/24 19:57	Return to Storage
JE2487-4.2	Seamus D'angiolillo	Air Storage	12/12/24 19:57	Return to Storage
JE2487-5.1	Seamus D'angiolillo	Air Storage	12/12/24 19:57	Return to Storage
JE2487-5.2	Seamus D'angiolillo	Air Storage	12/12/24 19:57	Return to Storage
JE2487-6.1	Seamus D'angiolillo	Air Storage	12/12/24 19:57	Return to Storage
JE2487-6.2	Seamus D'angiolillo	Air Storage	12/12/24 19:57	Return to Storage

MS Volatiles

6

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Internal Standard Area Summaries
- Initial Calibration RT/ISTD Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries
- Run Sequence Reports

Method Blank Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W2132-MB	5W55670.D	1	12/16/24	TCH	n/a	n/a	V5W2132

The QC reported here applies to the following samples: **Method:** TO-15

JE2487-2, JE2487-4, JE2487-6

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
106-99-0	1,3-Butadiene	ND	0.20	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane (EDB)	ND	0.20	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	ppbv		ND	0.91	ug/m3
100-41-4	Ethylbenzene	ND	0.20	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	ppbv		ND	0.98	ug/m3
76-13-1	Freon 113	ND	0.20	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	ppbv		ND	1.4	ug/m3

Method Blank Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W2132-MB	5W55670.D	1	12/16/24	TCH	n/a	n/a	V5W2132

The QC reported here applies to the following samples: **Method:** TO-15

JE2487-2, JE2487-4, JE2487-6

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
142-82-5	Heptane	ND	0.20	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	ppbv		ND	0.72	ug/m3
80-62-6	Methylmethacrylate	ND	0.20	ppbv		ND	0.82	ug/m3
91-20-3	Naphthalene	ND	0.20	ppbv		ND	1.0	ug/m3
115-07-1	Propylene	ND	0.50	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	ppbv		ND	0.87	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	113%	65-128%

Method Blank Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W2132-MB	5W55670.D	1	12/16/24	TCH	n/a	n/a	V5W2132

The QC reported here applies to the following samples: **Method:**

JE2487-2, JE2487-4, JE2487-6

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ppbv	

Method Blank Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W2133-MB	5W55706.D	1	12/18/24	TCH	n/a	n/a	V5W2133

The QC reported here applies to the following samples: **Method:** TO-15

JE2487-2, JE2487-4

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
67-64-1	Acetone (2-Propanone)	ND	0.20	ppbv		ND	0.48	ug/m3
64-17-5	Ethanol	ND	0.50	ppbv		ND	0.94	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	ppbv		ND	0.49	ug/m3
80-62-6	Methylmethacrylate	ND	0.20	ppbv		ND	0.82	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	110%	65-128%

Method Blank Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W2135-MB	5W55756.D	1	12/19/24	TCH	n/a	n/a	V5W2135

The QC reported here applies to the following samples: **Method:** TO-15

JE2487-1, JE2487-3, JE2487-5, JE2487-6

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
67-64-1	Acetone (2-Propanone)	ND	0.20	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane (EDB)	ND	0.20	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	ppbv		ND	0.98	ug/m3

Method Blank Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W2135-MB	5W55756.D	1	12/19/24	TCH	n/a	n/a	V5W2135

The QC reported here applies to the following samples: **Method:** TO-15

JE2487-1, JE2487-3, JE2487-5, JE2487-6

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	ppbv		ND	0.72	ug/m3
80-62-6	Methylmethacrylate	ND	0.20	ppbv		ND	0.82	ug/m3
91-20-3	Naphthalene	ND	0.20	ppbv		ND	1.0	ug/m3
115-07-1	Propylene	ND	0.50	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	ppbv		ND	0.87	ug/m3

Method Blank Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W2135-MB	5W55756.D	1	12/19/24	TCH	n/a	n/a	V5W2135

The QC reported here applies to the following samples: **Method:** TO-15

JE2487-1, JE2487-3, JE2487-5, JE2487-6

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	109%	65-128%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ppbv	

Method Blank Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W2138-MB	5W55823.D	1	12/23/24	TCH	n/a	n/a	V5W2138

The QC reported here applies to the following samples: **Method:** TO-15

JE2487-1, JE2487-5

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
67-64-1	Acetone (2-Propanone)	ND	0.20	ppbv		ND	0.48	ug/m3
64-17-5	Ethanol	ND	0.50	ppbv		ND	0.94	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	ppbv		ND	0.49	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	109%	65-128%

Method Blank Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3W3503-MB	3W88783.D	1	09/19/24	TCH	n/a	n/a	V3W3503

The QC reported here applies to the following samples: **Method:** TO-15

V3W3503-SCC

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
67-64-1	Acetone (2-Propanone)	ND	0.20	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane (EDB)	ND	0.20	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	ppbv		ND	0.98	ug/m3

Method Blank Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3W3503-MB	3W88783.D	1	09/19/24	TCH	n/a	n/a	V3W3503

The QC reported here applies to the following samples: **Method:** TO-15

V3W3503-SCC

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	ppbv		ND	0.72	ug/m3
80-62-6	Methylmethacrylate	ND	0.20	ppbv		ND	0.82	ug/m3
91-20-3	Naphthalene	ND	0.20	ppbv		ND	1.0	ug/m3
115-07-1	Propylene	ND	0.50	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	ppbv		ND	0.87	ug/m3

Method Blank Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3W3503-MB	3W88783.D	1	09/19/24	TCH	n/a	n/a	V3W3503

The QC reported here applies to the following samples: **Method:** TO-15

V3W3503-SCC

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	96%	65-128%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	3.83	54	ppbv	J
	Total TIC, Volatile		0	ppbv	

Method Blank Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W379-MB	7W10303.D	1	11/06/24	TCH	n/a	n/a	V7W379

The QC reported here applies to the following samples: **Method:** TO-15

V7W379-SCC

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
67-64-1	Acetone (2-Propanone)	ND	0.20	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane (EDB)	ND	0.20	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	ppbv		ND	0.98	ug/m3

Method Blank Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W379-MB	7W10303.D	1	11/06/24	TCH	n/a	n/a	V7W379

The QC reported here applies to the following samples: **Method:** TO-15

V7W379-SCC

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	ppbv		ND	0.72	ug/m3
80-62-6	Methylmethacrylate	ND	0.20	ppbv		ND	0.82	ug/m3
91-20-3	Naphthalene	ND	0.20	ppbv		ND	1.0	ug/m3
115-07-1	Propylene	ND	0.50	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	ppbv		ND	0.87	ug/m3

Method Blank Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W379-MB	7W10303.D	1	11/06/24	TCH	n/a	n/a	V7W379

The QC reported here applies to the following samples: **Method:** TO-15

V7W379-SCC

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	94%	65-128%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	1.61	7.4	ppbv	J
	Total TIC, Volatile		0	ppbv	

Method Blank Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W387-MB	7W10580.D	1	11/18/24	BK	n/a	n/a	V7W387

The QC reported here applies to the following samples: **Method:** TO-15

V7W387-SCC

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
67-64-1	Acetone (2-Propanone)	ND	0.20	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane (EDB)	ND	0.20	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	ppbv		ND	0.98	ug/m3

Method Blank Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W387-MB	7W10580.D	1	11/18/24	BK	n/a	n/a	V7W387

The QC reported here applies to the following samples: **Method:** TO-15

V7W387-SCC

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	ppbv		ND	0.72	ug/m3
80-62-6	Methylmethacrylate	ND	0.20	ppbv		ND	0.82	ug/m3
91-20-3	Naphthalene	ND	0.20	ppbv		ND	1.0	ug/m3
115-07-1	Propylene	ND	0.50	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	ppbv		ND	0.87	ug/m3

Method Blank Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W387-MB	7W10580.D	1	11/18/24	BK	n/a	n/a	V7W387

The QC reported here applies to the following samples: **Method:** TO-15

V7W387-SCC

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	88%	65-128%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	1.61	7.3	ppbv	J
	Total TIC, Volatile		0	ppbv	

Method Blank Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W392-MB	7W10747.D	1	11/25/24	WC	n/a	n/a	V7W392

The QC reported here applies to the following samples: **Method:** TO-15

V7W392-SCC

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
67-64-1	Acetone (2-Propanone)	ND	0.20	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane (EDB)	ND	0.20	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	ppbv		ND	0.98	ug/m3

Method Blank Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W392-MB	7W10747.D	1	11/25/24	WC	n/a	n/a	V7W392

The QC reported here applies to the following samples: **Method:** TO-15

V7W392-SCC

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	ppbv		ND	0.72	ug/m3
80-62-6	Methylmethacrylate	ND	0.20	ppbv		ND	0.82	ug/m3
91-20-3	Naphthalene	ND	0.20	ppbv		ND	1.0	ug/m3
115-07-1	Propylene	ND	0.50	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	ppbv		ND	0.87	ug/m3

Method Blank Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W392-MB	7W10747.D	1	11/25/24	WC	n/a	n/a	V7W392

The QC reported here applies to the following samples: **Method:** TO-15

V7W392-SCC

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	94%	65-128%

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W2132-BS	5W55665.D	1	12/16/24	TCH	n/a	n/a	V5W2132
V5W2132-BSD	5W55666.D	1	12/16/24	TCH	n/a	n/a	V5W2132

The QC reported here applies to the following samples: **Method:** TO-15

JE2487-2, JE2487-4, JE2487-6

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
106-99-0	1,3-Butadiene	10.8	9.6	89	9.7	90	1	70-130/30
71-43-2	Benzene	11	12.3	112	12.4	113	1	70-130/30
75-27-4	Bromodichloromethane	10.5	12.5	119	12.7	121	2	70-130/30
75-25-2	Bromoform	10.7	13.4	125	13.5	126	1	70-130/30
74-83-9	Bromomethane	10.5	9.9	94	9.9	94	0	70-130/30
593-60-2	Bromoethene	10.6	10.2	96	10.2	96	0	70-130/30
100-44-7	Benzyl Chloride	10.4	10.5	101	10.7	103	2	70-130/30
75-15-0	Carbon disulfide	10.6	12.7	120	12.8	121	1	70-130/30
108-90-7	Chlorobenzene	10.8	9.1	84	9.2	85	1	70-130/30
75-00-3	Chloroethane	10.4	10.4	100	10.5	101	1	70-130/30
67-66-3	Chloroform	10.8	12.6	117	13.1	121	4	70-130/30
74-87-3	Chloromethane	10.4	9.0	87	9.3	89	3	70-130/30
107-05-1	3-Chloropropene	10.5	12.9	123	13.3	127	3	70-130/30
95-49-8	2-Chlorotoluene	10.3	9.2	89	9.2	89	0	70-130/30
56-23-5	Carbon tetrachloride	10.8	12.0	111	12.4	115	3	70-130/30
110-82-7	Cyclohexane	10.9	12.9	118	13.0	119	1	70-130/30
75-34-3	1,1-Dichloroethane	10.7	12.4	116	12.6	118	2	70-130/30
75-35-4	1,1-Dichloroethylene	10.7	11.8	110	12.0	112	2	70-130/30
106-93-4	1,2-Dibromoethane (EDB)	11	10.1	92	10.3	94	2	70-130/30
107-06-2	1,2-Dichloroethane	10.9	14.1	129	14.5	133* [a]	3	70-130/30
78-87-5	1,2-Dichloropropane	10.5	11.1	106	11.3	108	2	70-130/30
123-91-1	1,4-Dioxane	10.5	11.8	112	12.0	114	2	70-130/30
75-71-8	Dichlorodifluoromethane	10.6	12.9	122	12.5	118	3	70-130/30
124-48-1	Dibromochloromethane	10.5	10.1	96	10.2	97	1	70-130/30
156-60-5	trans-1,2-Dichloroethylene	10.5	11.5	110	11.6	110	1	70-130/30
156-59-2	cis-1,2-Dichloroethylene	10.7	11.8	110	12.0	112	2	70-130/30
10061-01-5	cis-1,3-Dichloropropene	10.7	13.1	122	13.4	125	2	70-130/30
541-73-1	m-Dichlorobenzene	10.4	9.6	92	9.9	95	3	70-130/30
95-50-1	o-Dichlorobenzene	10.7	9.7	91	9.8	92	1	70-130/30
106-46-7	p-Dichlorobenzene	10.9	10.1	93	10.2	94	1	70-130/30
10061-02-6	trans-1,3-Dichloropropene	10.2	13.2	129	13.3	130	1	70-130/30
100-41-4	Ethylbenzene	11	11.2	102	11.3	103	1	70-130/30
141-78-6	Ethyl Acetate	10.8	14.0	130	14.3	132* [b]	2	70-130/30
622-96-8	4-Ethyltoluene	10.9	10.6	97	10.9	100	3	70-130/30
76-13-1	Freon 113	10.6	12.3	116	12.4	117	1	70-130/30
76-14-2	Freon 114	11	11.9	108	11.9	108	0	70-130/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W2132-BS	5W55665.D	1	12/16/24	TCH	n/a	n/a	V5W2132
V5W2132-BSD	5W55666.D	1	12/16/24	TCH	n/a	n/a	V5W2132

The QC reported here applies to the following samples: **Method:** TO-15

JE2487-2, JE2487-4, JE2487-6

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
142-82-5	Heptane	11	12.7	115	13.1	119	3	70-130/30
87-68-3	Hexachlorobutadiene	10.8	15.3	142* [b]	17.0	157* [b]	11	70-130/30
110-54-3	Hexane	10.8	12.1	112	12.3	114	2	70-130/30
591-78-6	2-Hexanone	10.6	12.0	113	12.2	115	2	70-130/30
67-63-0	Isopropyl Alcohol	10.6	11.7	110	11.8	111	1	70-130/30
75-09-2	Methylene chloride	10.5	11.2	107	11.4	109	2	70-130/30
78-93-3	Methyl ethyl ketone	10.8	14.5	134* [b]	15.0	139* [b]	3	70-130/30
108-10-1	Methyl Isobutyl Ketone	10.8	12.7	118	13.1	121	3	70-130/30
1634-04-4	Methyl Tert Butyl Ether	10.8	13.8	128	14.1	131* [a]	2	70-130/30
80-62-6	Methylmethacrylate	10.9	13.8	127	13.9	128	1	70-130/30
91-20-3	Naphthalene	10.9	9.2	84	9.8	90	6	70-130/30
115-07-1	Propylene	10.9	12.0	110	11.7	107	3	70-130/30
100-42-5	Styrene	11	10.9	99	11.2	102	3	70-130/30
71-55-6	1,1,1-Trichloroethane	10.8	12.6	117	13.0	120	3	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	10.9	10.6	97	10.9	100	3	70-130/30
79-00-5	1,1,2-Trichloroethane	10.7	11.6	108	11.8	110	2	70-130/30
120-82-1	1,2,4-Trichlorobenzene	10.9	11.8	108	13.0	119	10	70-130/30
95-63-6	1,2,4-Trimethylbenzene	11	10.8	98	11.1	101	3	70-130/30
108-67-8	1,3,5-Trimethylbenzene	10.9	10.4	95	10.7	98	3	70-130/30
540-84-1	2,2,4-Trimethylpentane	10.8	12.0	111	12.2	113	2	70-130/30
75-65-0	Tertiary Butyl Alcohol	9.9	12.7	128	12.9	130	2	70-130/30
127-18-4	Tetrachloroethylene	10.9	10.8	99	10.9	100	1	70-130/30
109-99-9	Tetrahydrofuran	10.5	14.0	133* [b]	14.5	138* [b]	4	70-130/30
108-88-3	Toluene	10.6	11.6	109	11.8	111	2	70-130/30
79-01-6	Trichloroethylene	10.5	11.2	107	11.3	108	1	70-130/30
75-69-4	Trichlorofluoromethane	10.6	12.1	114	11.8	111	3	70-130/30
75-01-4	Vinyl chloride	10.3	10.5	102	10.5	102	0	70-130/30
108-05-4	Vinyl Acetate	10.4	13.0	125	13.0	125	0	70-130/30
	m,p-Xylene	21.4	20.1	94	20.4	95	1	70-130/30
95-47-6	o-Xylene	10.9	10.2	94	10.4	95	2	70-130/30
1330-20-7	Xylenes (total)	32.3	30.3	94	30.8	95	2	70-130/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	98%	100%	65-128%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W2132-BS	5W55665.D	1	12/16/24	TCH	n/a	n/a	V5W2132
V5W2132-BSD	5W55666.D	1	12/16/24	TCH	n/a	n/a	V5W2132

The QC reported here applies to the following samples: **Method:** TO-15

JE2487-2, JE2487-4, JE2487-6

(a) High percent recovery and no associated positive reported in the QC batch.
(b) Outside in house control limits.

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W2133-BS	5W55701.D	1	12/17/24	TCH	n/a	n/a	V5W2133
V5W2133-BSD	5W55703.D	1	12/17/24	TCH	n/a	n/a	V5W2133

The QC reported here applies to the following samples: **Method:** TO-15

JE2487-2, JE2487-4

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone (2-Propanone)	10.3	7.4	72	7.4	72	0	70-130/30
64-17-5	Ethanol	10.2	9.5	93	9.6	94	1	70-130/30
67-63-0	Isopropyl Alcohol	10.6	11.8	111	11.2	106	5	70-130/30
80-62-6	Methylmethacrylate	10.9	13.3	122	13.7	126	3	70-130/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	100%	99%	65-128%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W2135-BS	5W55753.D	1	12/19/24	TCH	n/a	n/a	V5W2135
V5W2135-BSD	5W55754.D	1	12/19/24	TCH	n/a	n/a	V5W2135

The QC reported here applies to the following samples: **Method:** TO-15

JE2487-1, JE2487-3, JE2487-5, JE2487-6

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone (2-Propanone)	10.3	7.8	76	8.2	80	5	70-130/30
106-99-0	1,3-Butadiene	10.8	10.1	94	10.5	97	4	70-130/30
71-43-2	Benzene	11	12.7	115	12.8	116	1	70-130/30
75-27-4	Bromodichloromethane	10.5	12.7	121	12.9	123	2	70-130/30
75-25-2	Bromoform	10.7	15.3	143* [a]	15.2	142* [a]	1	70-130/30
74-83-9	Bromomethane	10.5	10	95	10.1	96	1	70-130/30
593-60-2	Bromoethene	10.6	11.0	104	10.8	102	2	70-130/30
100-44-7	Benzyl Chloride	10.4	11.5	111	11.4	110	1	70-130/30
75-15-0	Carbon disulfide	10.6	13.3	125	13.3	125	0	70-130/30
108-90-7	Chlorobenzene	10.8	10.3	95	10.3	95	0	70-130/30
75-00-3	Chloroethane	10.4	10.1	97	10.3	99	2	70-130/30
67-66-3	Chloroform	10.8	13.2	122	13.4	124	2	70-130/30
74-87-3	Chloromethane	10.4	10.3	99	10.8	104	5	70-130/30
107-05-1	3-Chloropropene	10.5	13.5	129	13.4	128	1	70-130/30
95-49-8	2-Chlorotoluene	10.3	10.4	101	10.2	99	2	70-130/30
56-23-5	Carbon tetrachloride	10.8	12.8	119	13.0	120	2	70-130/30
110-82-7	Cyclohexane	10.9	13.2	121	13.1	120	1	70-130/30
75-34-3	1,1-Dichloroethane	10.7	12.9	121	13.0	121	1	70-130/30
75-35-4	1,1-Dichloroethylene	10.7	12.1	113	12.3	115	2	70-130/30
106-93-4	1,2-Dibromoethane (EDB)	11	11.5	105	11.6	105	1	70-130/30
107-06-2	1,2-Dichloroethane	10.9	14.4	132* [a]	14.7	135* [a]	2	70-130/30
78-87-5	1,2-Dichloropropane	10.5	11.7	111	11.8	112	1	70-130/30
123-91-1	1,4-Dioxane	10.5	12.3	117	12.3	117	0	70-130/30
75-71-8	Dichlorodifluoromethane	10.6	12.6	119	12.6	119	0	70-130/30
124-48-1	Dibromochloromethane	10.5	11.3	108	11.3	108	0	70-130/30
156-60-5	trans-1,2-Dichloroethylene	10.5	12.0	114	11.9	113	1	70-130/30
156-59-2	cis-1,2-Dichloroethylene	10.7	12.3	115	12.5	117	2	70-130/30
10061-01-5	cis-1,3-Dichloropropene	10.7	13.5	126	13.6	127	1	70-130/30
541-73-1	m-Dichlorobenzene	10.4	11.2	108	11.1	107	1	70-130/30
95-50-1	o-Dichlorobenzene	10.7	11.1	104	10.8	101	3	70-130/30
106-46-7	p-Dichlorobenzene	10.9	11.6	106	11.3	104	3	70-130/30
10061-02-6	trans-1,3-Dichloropropene	10.2	13.3	130	13.5	132* [a]	1	70-130/30
64-17-5	Ethanol	10.2	9.9	97	10.2	100	3	70-130/30
100-41-4	Ethylbenzene	11	12.3	112	12.2	111	1	70-130/30
141-78-6	Ethyl Acetate	10.8	15.1	140* [b]	15.2	141* [b]	1	70-130/30
622-96-8	4-Ethyltoluene	10.9	12.0	110	12.0	110	0	70-130/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W2135-BS	5W55753.D	1	12/19/24	TCH	n/a	n/a	V5W2135
V5W2135-BSD	5W55754.D	1	12/19/24	TCH	n/a	n/a	V5W2135

The QC reported here applies to the following samples: **Method:** TO-15

JE2487-1, JE2487-3, JE2487-5, JE2487-6

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
76-13-1	Freon 113	10.6	13.4	126	13.2	125	2	70-130/30
76-14-2	Freon 114	11	11.8	107	11.9	108	1	70-130/30
142-82-5	Heptane	11	14.2	129	14.4	131* [b]	1	70-130/30
87-68-3	Hexachlorobutadiene	10.8	16.1	149* [a]	15.7	145* [a]	3	70-130/30
110-54-3	Hexane	10.8	13.4	124	13.6	126	1	70-130/30
591-78-6	2-Hexanone	10.6	13.7	129	13.7	129	0	70-130/30
67-63-0	Isopropyl Alcohol	10.6	13.0	123	13.0	123	0	70-130/30
75-09-2	Methylene chloride	10.5	11.6	110	11.7	111	1	70-130/30
78-93-3	Methyl ethyl ketone	10.8	15.4	143* [b]	15.6	144* [b]	1	70-130/30
108-10-1	Methyl Isobutyl Ketone	10.8	13.6	126	13.8	128	1	70-130/30
1634-04-4	Methyl Tert Butyl Ether	10.8	14.2	131* [a]	14.3	132* [a]	1	70-130/30
80-62-6	Methylmethacrylate	10.9	14.3	131* [b]	14.4	132* [b]	1	70-130/30
91-20-3	Naphthalene	10.9	10.7	98	10.3	94	4	70-130/30
115-07-1	Propylene	10.9	12.8	117	13.2	121	3	70-130/30
100-42-5	Styrene	11	12.5	114	12.4	113	1	70-130/30
71-55-6	1,1,1-Trichloroethane	10.8	12.8	119	13.1	121	2	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	10.9	11.8	108	11.8	108	0	70-130/30
79-00-5	1,1,2-Trichloroethane	10.7	12.0	112	12.2	114	2	70-130/30
120-82-1	1,2,4-Trichlorobenzene	10.9	14.2	130	13.5	124	5	70-130/30
95-63-6	1,2,4-Trimethylbenzene	11	12.3	112	12.1	110	2	70-130/30
108-67-8	1,3,5-Trimethylbenzene	10.9	11.7	107	11.6	106	1	70-130/30
540-84-1	2,2,4-Trimethylpentane	10.8	12.9	119	13.1	121	2	70-130/30
75-65-0	Tertiary Butyl Alcohol	9.9	13.0	131* [b]	13.2	133* [b]	2	70-130/30
127-18-4	Tetrachloroethylene	10.9	12.4	114	12.1	111	2	70-130/30
109-99-9	Tetrahydrofuran	10.5	14.6	139* [a]	14.9	142* [a]	2	70-130/30
108-88-3	Toluene	10.6	11.9	112	12.0	113	1	70-130/30
79-01-6	Trichloroethylene	10.5	11.4	109	11.5	110	1	70-130/30
75-69-4	Trichlorofluoromethane	10.6	12.7	120	12.6	119	1	70-130/30
75-01-4	Vinyl chloride	10.3	10.5	102	10.7	104	2	70-130/30
108-05-4	Vinyl Acetate	10.4	13.9	134* [b]	13.8	133* [b]	1	70-130/30
	m,p-Xylene	21.4	22.8	107	22.6	106	1	70-130/30
95-47-6	o-Xylene	10.9	11.6	106	11.5	106	1	70-130/30
1330-20-7	Xylenes (total)	32.3	34.4	107	34.1	106	1	70-130/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W2135-BS	5W55753.D	1	12/19/24	TCH	n/a	n/a	V5W2135
V5W2135-BSD	5W55754.D	1	12/19/24	TCH	n/a	n/a	V5W2135

The QC reported here applies to the following samples: **Method:** TO-15

JE2487-1, JE2487-3, JE2487-5, JE2487-6

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	99%	97%	65-128%

(a) High percent recovery and no associated positive reported in the QC batch.
(b) Outside in house control limits.

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W2138-BS	5W55820.D	1	12/23/24	TCH	n/a	n/a	V5W2138
V5W2138-BSD	5W55821.D	1	12/23/24	TCH	n/a	n/a	V5W2138

The QC reported here applies to the following samples: **Method:** TO-15

JE2487-1, JE2487-5

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone (2-Propanone)	10.3	8.3	81	8.5	83	2	70-130/30
64-17-5	Ethanol	10.2	10.7	105	11.3	111	5	70-130/30
67-63-0	Isopropyl Alcohol	10.6	10.4	98	10.8	102	4	70-130/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	101%	100%	65-128%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3W3503-BS	3W88780.D	1	09/19/24	TCH	n/a	n/a	V3W3503
V3W3503-BSD	3W88781.D	1	09/19/24	TCH	n/a	n/a	V3W3503

The QC reported here applies to the following samples: **Method:** TO-15

V3W3503-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone (2-Propanone)	10.3	8.4	82	8.2	80	2	70-130/30
106-99-0	1,3-Butadiene	10.8	10.3	95	10.2	94	1	70-130/30
71-43-2	Benzene	11	11.6	105	11.4	104	2	70-130/30
75-27-4	Bromodichloromethane	10.5	10.3	98	10.4	99	1	70-130/30
75-25-2	Bromoform	10.7	10.3	96	10.2	95	1	70-130/30
74-83-9	Bromomethane	10.5	9.6	91	9.4	90	2	70-130/30
593-60-2	Bromoethene	10.6	10.7	101	10.7	101	0	70-130/30
100-44-7	Benzyl Chloride	10.4	12.1	116	12.1	116	0	70-130/30
75-15-0	Carbon disulfide	10.6	11.9	112	11.6	109	3	70-130/30
108-90-7	Chlorobenzene	10.8	11.9	110	11.8	109	1	70-130/30
75-00-3	Chloroethane	10.4	11.2	108	11.1	107	1	70-130/30
67-66-3	Chloroform	10.8	10.8	100	10.8	100	0	70-130/30
74-87-3	Chloromethane	10.4	10.3	99	10.2	98	1	70-130/30
107-05-1	3-Chloropropene	10.5	15.3	146* [a]	15.0	143* [a]	2	70-130/30
95-49-8	2-Chlorotoluene	10.3	12.1	117	12.1	117	0	70-130/30
56-23-5	Carbon tetrachloride	10.8	10.6	98	10.6	98	0	70-130/30
110-82-7	Cyclohexane	10.9	12.1	111	12.0	110	1	70-130/30
75-34-3	1,1-Dichloroethane	10.7	11.0	103	10.8	101	2	70-130/30
75-35-4	1,1-Dichloroethylene	10.7	13.2	123	13.1	122	1	70-130/30
106-93-4	1,2-Dibromoethane (EDB)	11	12.1	110	12.0	109	1	70-130/30
107-06-2	1,2-Dichloroethane	10.9	10.4	95	10.4	95	0	70-130/30
78-87-5	1,2-Dichloropropane	10.5	10.8	103	10.7	102	1	70-130/30
123-91-1	1,4-Dioxane	10.5	11.2	107	11.3	108	1	70-130/30
75-71-8	Dichlorodifluoromethane	10.6	11.1	105	11.1	105	0	70-130/30
124-48-1	Dibromochloromethane	10.5	11.0	105	11.1	106	1	70-130/30
156-60-5	trans-1,2-Dichloroethylene	10.5	11.2	107	11.1	106	1	70-130/30
156-59-2	cis-1,2-Dichloroethylene	10.7	11.5	107	11.5	107	0	70-130/30
10061-01-5	cis-1,3-Dichloropropene	10.7	11.6	108	11.7	109	1	70-130/30
541-73-1	m-Dichlorobenzene	10.4	11.1	107	11.2	108	1	70-130/30
95-50-1	o-Dichlorobenzene	10.7	11.5	107	11.6	108	1	70-130/30
106-46-7	p-Dichlorobenzene	10.9	11.7	107	11.7	107	0	70-130/30
10061-02-6	trans-1,3-Dichloropropene	10.2	10.9	107	10.9	107	0	70-130/30
64-17-5	Ethanol	10.2	10.5	103	10.1	99	4	70-130/30
100-41-4	Ethylbenzene	11	12.3	112	12.1	110	2	70-130/30
141-78-6	Ethyl Acetate	10.8	12.8	119	12.6	117	2	70-130/30
622-96-8	4-Ethyltoluene	10.9	12.9	118	13.0	119	1	70-130/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3W3503-BS	3W88780.D	1	09/19/24	TCH	n/a	n/a	V3W3503
V3W3503-BSD	3W88781.D	1	09/19/24	TCH	n/a	n/a	V3W3503

The QC reported here applies to the following samples: **Method:** TO-15

V3W3503-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
76-13-1	Freon 113	10.6	11.4	108	11.4	108	0	70-130/30
76-14-2	Freon 114	11	11.4	104	11.3	103	1	70-130/30
142-82-5	Heptane	11	10.4	95	10.4	95	0	70-130/30
87-68-3	Hexachlorobutadiene	10.8	12.7	118	12.9	119	2	70-130/30
110-54-3	Hexane	10.8	10.1	94	10	93	1	70-130/30
591-78-6	2-Hexanone	10.6	11.9	112	11.7	110	2	70-130/30
67-63-0	Isopropyl Alcohol	10.6	10.8	102	10.5	99	3	70-130/30
75-09-2	Methylene chloride	10.5	11.7	111	11.4	109	3	70-130/30
78-93-3	Methyl ethyl ketone	10.8	12.7	118	12.5	116	2	70-130/30
108-10-1	Methyl Isobutyl Ketone	10.8	10.8	100	10.8	100	0	70-130/30
1634-04-4	Methyl Tert Butyl Ether	10.8	11.2	104	11.2	104	0	70-130/30
80-62-6	Methylmethacrylate	10.9	12.0	110	12.0	110	0	70-130/30
91-20-3	Naphthalene	10.9	13.1	120	13.2	121	1	70-130/30
115-07-1	Propylene	10.9	11.4	105	11.2	103	2	70-130/30
100-42-5	Styrene	11	13.0	118	12.8	116	2	70-130/30
71-55-6	1,1,1-Trichloroethane	10.8	10.5	97	10.6	98	1	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	10.9	11.7	107	11.6	106	1	70-130/30
79-00-5	1,1,2-Trichloroethane	10.7	10.9	102	11.0	103	1	70-130/30
120-82-1	1,2,4-Trichlorobenzene	10.9	13.0	119	12.9	118	1	70-130/30
95-63-6	1,2,4-Trimethylbenzene	11	12.5	114	12.4	113	1	70-130/30
108-67-8	1,3,5-Trimethylbenzene	10.9	12.6	116	12.6	116	0	70-130/30
540-84-1	2,2,4-Trimethylpentane	10.8	11.0	102	11.0	102	0	70-130/30
75-65-0	Tertiary Butyl Alcohol	9.9	11.1	112	11.1	112	0	70-130/30
127-18-4	Tetrachloroethylene	10.9	11.9	109	11.9	109	0	70-130/30
109-99-9	Tetrahydrofuran	10.5	12.2	116	12.0	114	2	70-130/30
108-88-3	Toluene	10.6	11.0	104	10.9	103	1	70-130/30
79-01-6	Trichloroethylene	10.5	10.9	104	10.9	104	0	70-130/30
75-69-4	Trichlorofluoromethane	10.6	9.4	89	9.4	89	0	70-130/30
75-01-4	Vinyl chloride	10.3	10.6	103	10.3	100	3	70-130/30
108-05-4	Vinyl Acetate	10.4	11.9	114	11.7	113	2	70-130/30
	m,p-Xylene	21.4	23.9	112	23.8	111	0	70-130/30
95-47-6	o-Xylene	10.9	12.2	112	12.2	112	0	70-130/30
1330-20-7	Xylenes (total)	32.3	36.1	112	36.1	112	0	70-130/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3W3503-BS	3W88780.D	1	09/19/24	TCH	n/a	n/a	V3W3503
V3W3503-BSD	3W88781.D	1	09/19/24	TCH	n/a	n/a	V3W3503

The QC reported here applies to the following samples: **Method:** TO-15

V3W3503-SCC

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	95%	94%	65-128%

(a) High percent recovery and no associated positive reported in the QC batch.

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W379-BS	7W10300.D	1	11/06/24	TCH	n/a	n/a	V7W379
V7W379-BSD	7W10301.D	1	11/06/24	TCH	n/a	n/a	V7W379

The QC reported here applies to the following samples: **Method:** TO-15

V7W379-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone (2-Propanone)	10.3	10.2	99	10.2	99	0	70-130/30
106-99-0	1,3-Butadiene	10.8	11.2	104	11.1	103	1	70-130/30
71-43-2	Benzene	11	11.9	108	11.8	107	1	70-130/30
75-27-4	Bromodichloromethane	10.5	11.3	108	11.2	107	1	70-130/30
75-25-2	Bromoform	10.7	11.8	110	11.8	110	0	70-130/30
74-83-9	Bromomethane	10.5	9.9	94	9.6	91	3	70-130/30
593-60-2	Bromoethene	10.6	10.5	99	10.2	96	3	70-130/30
100-44-7	Benzyl Chloride	10.4	20.0	192* [a]	20.2	194* [a]	1	70-130/30
75-15-0	Carbon disulfide	10.6	9.4	89	9.3	88	1	70-130/30
108-90-7	Chlorobenzene	10.8	10.4	96	10.4	96	0	70-130/30
75-00-3	Chloroethane	10.4	11.0	106	10.9	105	1	70-130/30
67-66-3	Chloroform	10.8	11.0	102	10.9	101	1	70-130/30
74-87-3	Chloromethane	10.4	9.9	95	9.6	92	3	70-130/30
107-05-1	3-Chloropropene	10.5	9.4	90	9.2	88	2	70-130/30
95-49-8	2-Chlorotoluene	10.3	10.1	98	10	97	1	70-130/30
56-23-5	Carbon tetrachloride	10.8	12.2	113	12.0	111	2	70-130/30
110-82-7	Cyclohexane	10.9	11.9	109	11.8	108	1	70-130/30
75-34-3	1,1-Dichloroethane	10.7	12.9	121	12.8	120	1	70-130/30
75-35-4	1,1-Dichloroethylene	10.7	10.0	93	9.9	93	1	70-130/30
106-93-4	1,2-Dibromoethane (EDB)	11	11.8	107	11.8	107	0	70-130/30
107-06-2	1,2-Dichloroethane	10.9	11.1	102	10.9	100	2	70-130/30
78-87-5	1,2-Dichloropropane	10.5	12.6	120	12.5	119	1	70-130/30
123-91-1	1,4-Dioxane	10.5	11.4	109	11.2	107	2	70-130/30
75-71-8	Dichlorodifluoromethane	10.6	10.6	100	10.4	98	2	70-130/30
124-48-1	Dibromochloromethane	10.5	11.6	110	11.5	110	1	70-130/30
156-60-5	trans-1,2-Dichloroethylene	10.5	11.3	108	11.2	107	1	70-130/30
156-59-2	cis-1,2-Dichloroethylene	10.7	11.5	107	11.5	107	0	70-130/30
10061-01-5	cis-1,3-Dichloropropene	10.7	13.0	121	12.8	120	2	70-130/30
541-73-1	m-Dichlorobenzene	10.4	10.2	98	10.2	98	0	70-130/30
95-50-1	o-Dichlorobenzene	10.7	10	93	10.1	94	1	70-130/30
106-46-7	p-Dichlorobenzene	10.9	10.4	95	10.4	95	0	70-130/30
10061-02-6	trans-1,3-Dichloropropene	10.2	12.9	126	12.8	125	1	70-130/30
64-17-5	Ethanol	10.2	10.1	99	9.9	97	2	70-130/30
100-41-4	Ethylbenzene	11	10.6	96	10.6	96	0	70-130/30
141-78-6	Ethyl Acetate	10.8	12.6	117	12.3	114	2	70-130/30
622-96-8	4-Ethyltoluene	10.9	10.9	100	10.9	100	0	70-130/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W379-BS	7W10300.D	1	11/06/24	TCH	n/a	n/a	V7W379
V7W379-BSD	7W10301.D	1	11/06/24	TCH	n/a	n/a	V7W379

The QC reported here applies to the following samples: **Method:** TO-15

V7W379-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
76-13-1	Freon 113	10.6	9.3	88	9.3	88	0	70-130/30
76-14-2	Freon 114	11	10.5	95	10.4	95	1	70-130/30
142-82-5	Heptane	11	12.3	112	12.1	110	2	70-130/30
87-68-3	Hexachlorobutadiene	10.8	10.7	99	10.7	99	0	70-130/30
110-54-3	Hexane	10.8	11.8	109	11.8	109	0	70-130/30
591-78-6	2-Hexanone	10.6	10.6	100	10.5	99	1	70-130/30
67-63-0	Isopropyl Alcohol	10.6	10.3	97	9.9	93	4	70-130/30
75-09-2	Methylene chloride	10.5	8.9	85	8.7	83	2	70-130/30
78-93-3	Methyl ethyl ketone	10.8	12.4	115	12.4	115	0	70-130/30
108-10-1	Methyl Isobutyl Ketone	10.8	11.4	106	11.3	105	1	70-130/30
1634-04-4	Methyl Tert Butyl Ether	10.8	12.2	113	12.2	113	0	70-130/30
80-62-6	Methylmethacrylate	10.9	12.5	115	12.3	113	2	70-130/30
91-20-3	Naphthalene	10.9	9.1	83	9.1	83	0	70-130/30
115-07-1	Propylene	10.9	13.9	128	13.8	127	1	70-130/30
100-42-5	Styrene	11	11.2	102	11.2	102	0	70-130/30
71-55-6	1,1,1-Trichloroethane	10.8	11.6	107	11.5	106	1	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	10.9	11.0	101	10.9	100	1	70-130/30
79-00-5	1,1,2-Trichloroethane	10.7	11.8	110	11.6	108	2	70-130/30
120-82-1	1,2,4-Trichlorobenzene	10.9	10.1	93	10.2	94	1	70-130/30
95-63-6	1,2,4-Trimethylbenzene	11	10.2	93	10.4	95	2	70-130/30
108-67-8	1,3,5-Trimethylbenzene	10.9	10.4	95	10.4	95	0	70-130/30
540-84-1	2,2,4-Trimethylpentane	10.8	12.5	116	12.3	114	2	70-130/30
75-65-0	Tertiary Butyl Alcohol	9.9	9.5	96	9.5	96	0	70-130/30
127-18-4	Tetrachloroethylene	10.9	11.1	102	11.1	102	0	70-130/30
109-99-9	Tetrahydrofuran	10.5	12.3	117	12.2	116	1	70-130/30
108-88-3	Toluene	10.6	11.0	104	10.9	103	1	70-130/30
79-01-6	Trichloroethylene	10.5	10.9	104	10.8	103	1	70-130/30
75-69-4	Trichlorofluoromethane	10.6	9.7	92	9.5	90	2	70-130/30
75-01-4	Vinyl chloride	10.3	10.9	106	10.7	104	2	70-130/30
108-05-4	Vinyl Acetate	10.4	12.1	116	12.0	115	1	70-130/30
	m,p-Xylene	21.4	20.6	96	20.5	96	0	70-130/30
95-47-6	o-Xylene	10.9	10.4	95	10.4	95	0	70-130/30
1330-20-7	Xylenes (total)	32.3	31.0	96	30.9	96	0	70-130/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W379-BS	7W10300.D	1	11/06/24	TCH	n/a	n/a	V7W379
V7W379-BSD	7W10301.D	1	11/06/24	TCH	n/a	n/a	V7W379

The QC reported here applies to the following samples: **Method:** TO-15

V7W379-SCC

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	96%	96%	65-128%

(a) High percent recovery and no associated positive reported in the QC batch.

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W387-BS	7W10577.D	1	11/18/24	BK	n/a	n/a	V7W387
V7W387-BSD	7W10578.D	1	11/18/24	BK	n/a	n/a	V7W387

The QC reported here applies to the following samples: **Method:** TO-15

V7W387-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone (2-Propanone)	10.3	9.6	93	9.8	95	2	70-130/30
106-99-0	1,3-Butadiene	10.8	10.3	95	9.7	90	6	70-130/30
71-43-2	Benzene	11	11.5	105	11.6	105	1	70-130/30
75-27-4	Bromodichloromethane	10.5	11.0	105	11.1	106	1	70-130/30
75-25-2	Bromoform	10.7	12.2	114	13.1	122	7	70-130/30
74-83-9	Bromomethane	10.5	10.2	97	10.3	98	1	70-130/30
593-60-2	Bromoethene	10.6	11.4	108	11.4	108	0	70-130/30
100-44-7	Benzyl Chloride	10.4	20.7	199* [a]	21.0	202* [a]	1	70-130/30
75-15-0	Carbon disulfide	10.6	9.6	91	9.5	90	1	70-130/30
108-90-7	Chlorobenzene	10.8	10.2	94	10.5	97	3	70-130/30
75-00-3	Chloroethane	10.4	10.6	102	10.7	103	1	70-130/30
67-66-3	Chloroform	10.8	10.8	100	10.9	101	1	70-130/30
74-87-3	Chloromethane	10.4	8.7	84	8.0	77	8	70-130/30
107-05-1	3-Chloropropene	10.5	9.4	90	9.6	91	2	70-130/30
95-49-8	2-Chlorotoluene	10.3	10	97	10.5	102	5	70-130/30
56-23-5	Carbon tetrachloride	10.8	12.4	115	12.4	115	0	70-130/30
110-82-7	Cyclohexane	10.9	11.4	105	11.5	106	1	70-130/30
75-34-3	1,1-Dichloroethane	10.7	12.5	117	12.5	117	0	70-130/30
75-35-4	1,1-Dichloroethylene	10.7	10.8	101	10.6	99	2	70-130/30
106-93-4	1,2-Dibromoethane (EDB)	11	11.6	105	11.7	106	1	70-130/30
107-06-2	1,2-Dichloroethane	10.9	10.6	97	10.6	97	0	70-130/30
78-87-5	1,2-Dichloropropane	10.5	12.1	115	12.0	114	1	70-130/30
123-91-1	1,4-Dioxane	10.5	10.6	101	10.6	101	0	70-130/30
75-71-8	Dichlorodifluoromethane	10.6	10.6	100	10.6	100	0	70-130/30
124-48-1	Dibromochloromethane	10.5	11.7	111	11.8	112	1	70-130/30
156-60-5	trans-1,2-Dichloroethylene	10.5	11.7	111	11.7	111	0	70-130/30
156-59-2	cis-1,2-Dichloroethylene	10.7	11.4	107	11.5	107	1	70-130/30
10061-01-5	cis-1,3-Dichloropropene	10.7	12.5	117	12.6	118	1	70-130/30
541-73-1	m-Dichlorobenzene	10.4	10.3	99	11.1	107	7	70-130/30
95-50-1	o-Dichlorobenzene	10.7	10.2	95	11.1	104	8	70-130/30
106-46-7	p-Dichlorobenzene	10.9	10.5	96	11.2	103	6	70-130/30
10061-02-6	trans-1,3-Dichloropropene	10.2	12.7	125	12.8	125	1	70-130/30
64-17-5	Ethanol	10.2	8.9	87	8.5	83	5	70-130/30
100-41-4	Ethylbenzene	11	10.3	94	10.5	95	2	70-130/30
141-78-6	Ethyl Acetate	10.8	11.8	109	11.8	109	0	70-130/30
622-96-8	4-Ethyltoluene	10.9	10.5	96	11.0	101	5	70-130/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W387-BS	7W10577.D	1	11/18/24	BK	n/a	n/a	V7W387
V7W387-BSD	7W10578.D	1	11/18/24	BK	n/a	n/a	V7W387

The QC reported here applies to the following samples: **Method:** TO-15

V7W387-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
76-13-1	Freon 113	10.6	11.1	105	10.9	103	2	70-130/30
76-14-2	Freon 114	11	10.6	96	10.8	98	2	70-130/30
142-82-5	Heptane	11	11.2	102	11.3	103	1	70-130/30
87-68-3	Hexachlorobutadiene	10.8	10.9	101	11.2	104	3	70-130/30
110-54-3	Hexane	10.8	11.4	106	11.4	106	0	70-130/30
591-78-6	2-Hexanone	10.6	9.9	93	10.0	94	1	70-130/30
67-63-0	Isopropyl Alcohol	10.6	8.8	83	8.6	81	2	70-130/30
75-09-2	Methylene chloride	10.5	9.1	87	9.1	87	0	70-130/30
78-93-3	Methyl ethyl ketone	10.8	12.2	113	12.1	112	1	70-130/30
108-10-1	Methyl Isobutyl Ketone	10.8	10.8	100	10.8	100	0	70-130/30
1634-04-4	Methyl Tert Butyl Ether	10.8	12.2	113	12.3	114	1	70-130/30
80-62-6	Methylmethacrylate	10.9	11.8	108	11.9	109	1	70-130/30
91-20-3	Naphthalene	10.9	8.9	82	9.2	84	3	70-130/30
115-07-1	Propylene	10.9	13.4	123	11.8	108	13	70-130/30
100-42-5	Styrene	11	10.9	99	11.3	103	4	70-130/30
71-55-6	1,1,1-Trichloroethane	10.8	11.7	108	11.8	109	1	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	10.9	10.5	96	10.7	98	2	70-130/30
79-00-5	1,1,2-Trichloroethane	10.7	11.3	106	11.3	106	0	70-130/30
120-82-1	1,2,4-Trichlorobenzene	10.9	10.1	93	10.4	95	3	70-130/30
95-63-6	1,2,4-Trimethylbenzene	11	10.1	92	10.5	95	4	70-130/30
108-67-8	1,3,5-Trimethylbenzene	10.9	10.3	94	10.6	97	3	70-130/30
540-84-1	2,2,4-Trimethylpentane	10.8	11.8	109	11.8	109	0	70-130/30
75-65-0	Tertiary Butyl Alcohol	9.9	9.1	92	9.1	92	0	70-130/30
127-18-4	Tetrachloroethylene	10.9	11.5	106	11.7	107	2	70-130/30
109-99-9	Tetrahydrofuran	10.5	12.1	115	12.2	116	1	70-130/30
108-88-3	Toluene	10.6	10.6	100	10.7	101	1	70-130/30
79-01-6	Trichloroethylene	10.5	10.6	101	10.7	102	1	70-130/30
75-69-4	Trichlorofluoromethane	10.6	10	94	9.9	93	1	70-130/30
75-01-4	Vinyl chloride	10.3	10.4	101	10.1	98	3	70-130/30
108-05-4	Vinyl Acetate	10.4	12.1	116	11.9	114	2	70-130/30
	m,p-Xylene	21.4	20.0	93	20.6	96	3	70-130/30
95-47-6	o-Xylene	10.9	10.0	92	10.3	94	3	70-130/30
1330-20-7	Xylenes (total)	32.3	30.0	93	30.9	96	3	70-130/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W387-BS	7W10577.D	1	11/18/24	BK	n/a	n/a	V7W387
V7W387-BSD	7W10578.D	1	11/18/24	BK	n/a	n/a	V7W387

The QC reported here applies to the following samples: **Method:** TO-15

V7W387-SCC

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	93%	94%	65-128%

(a) High percent recovery and no associated positive reported in the QC batch.

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W392-BS	7W10744.D	1	11/25/24	WC	n/a	n/a	V7W392
V7W392-BSD	7W10745.D	1	11/25/24	WC	n/a	n/a	V7W392

The QC reported here applies to the following samples: **Method:** TO-15

V7W392-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone (2-Propanone)	10.3	9.8	95	9.4	91	4	70-130/30
106-99-0	1,3-Butadiene	10.8	11.3	105	10.7	99	5	70-130/30
71-43-2	Benzene	11	11.1	101	10.9	99	2	70-130/30
75-27-4	Bromodichloromethane	10.5	11.0	105	10.6	101	4	70-130/30
75-25-2	Bromoform	10.7	11.9	111	11.4	107	4	70-130/30
74-83-9	Bromomethane	10.5	10.5	100	10.3	98	2	70-130/30
593-60-2	Bromoethene	10.6	10.9	103	10.7	101	2	70-130/30
100-44-7	Benzyl Chloride	10.4	21.7	209* [a]	21.2	204* [a]	2	70-130/30
75-15-0	Carbon disulfide	10.6	11.0	104	10.7	101	3	70-130/30
108-90-7	Chlorobenzene	10.8	10.8	100	10.7	99	1	70-130/30
75-00-3	Chloroethane	10.4	11.1	107	10.6	102	5	70-130/30
67-66-3	Chloroform	10.8	11.2	104	10.9	101	3	70-130/30
74-87-3	Chloromethane	10.4	10.4	100	9.8	94	6	70-130/30
107-05-1	3-Chloropropene	10.5	10.9	104	10.7	102	2	70-130/30
95-49-8	2-Chlorotoluene	10.3	10.7	104	10.5	102	2	70-130/30
56-23-5	Carbon tetrachloride	10.8	12.0	111	11.6	107	3	70-130/30
110-82-7	Cyclohexane	10.9	11.0	101	10.8	99	2	70-130/30
75-34-3	1,1-Dichloroethane	10.7	12.3	115	12.0	112	2	70-130/30
75-35-4	1,1-Dichloroethylene	10.7	10.6	99	10.8	101	2	70-130/30
106-93-4	1,2-Dibromoethane (EDB)	11	11.4	104	11.2	102	2	70-130/30
107-06-2	1,2-Dichloroethane	10.9	11.0	101	11.0	101	0	70-130/30
78-87-5	1,2-Dichloropropane	10.5	11.0	105	10.8	103	2	70-130/30
123-91-1	1,4-Dioxane	10.5	10	95	10.4	99	4	70-130/30
75-71-8	Dichlorodifluoromethane	10.6	10.8	102	10.6	100	2	70-130/30
124-48-1	Dibromochloromethane	10.5	10.9	104	10.7	102	2	70-130/30
156-60-5	trans-1,2-Dichloroethylene	10.5	10.7	102	10.6	101	1	70-130/30
156-59-2	cis-1,2-Dichloroethylene	10.7	11.3	106	11.2	105	1	70-130/30
10061-01-5	cis-1,3-Dichloropropene	10.7	12.0	112	11.8	110	2	70-130/30
541-73-1	m-Dichlorobenzene	10.4	10.8	104	10.6	102	2	70-130/30
95-50-1	o-Dichlorobenzene	10.7	10.8	101	10.6	99	2	70-130/30
106-46-7	p-Dichlorobenzene	10.9	11.0	101	10.9	100	1	70-130/30
10061-02-6	trans-1,3-Dichloropropene	10.2	12.3	121	12.0	118	2	70-130/30
64-17-5	Ethanol	10.2	10.1	99	9.5	93	6	70-130/30
100-41-4	Ethylbenzene	11	10.6	96	10.3	94	3	70-130/30
141-78-6	Ethyl Acetate	10.8	11.5	106	11.4	106	1	70-130/30
622-96-8	4-Ethyltoluene	10.9	11.0	101	11.0	101	0	70-130/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W392-BS	7W10744.D	1	11/25/24	WC	n/a	n/a	V7W392
V7W392-BSD	7W10745.D	1	11/25/24	WC	n/a	n/a	V7W392

The QC reported here applies to the following samples: **Method:** TO-15

V7W392-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
76-13-1	Freon 113	10.6	9.8	92	9.6	91	2	70-130/30
76-14-2	Freon 114	11	11.6	105	11.5	105	1	70-130/30
142-82-5	Heptane	11	10	91	9.9	90	1	70-130/30
87-68-3	Hexachlorobutadiene	10.8	11.8	109	11.5	106	3	70-130/30
110-54-3	Hexane	10.8	10.7	99	10.6	98	1	70-130/30
591-78-6	2-Hexanone	10.6	9.0	85	9.0	85	0	70-130/30
67-63-0	Isopropyl Alcohol	10.6	9.6	91	9.3	88	3	70-130/30
75-09-2	Methylene chloride	10.5	10.0	95	9.8	93	2	70-130/30
78-93-3	Methyl ethyl ketone	10.8	11.7	108	11.4	106	3	70-130/30
108-10-1	Methyl Isobutyl Ketone	10.8	9.9	92	9.8	91	1	70-130/30
1634-04-4	Methyl Tert Butyl Ether	10.8	11.8	109	11.7	108	1	70-130/30
80-62-6	Methylmethacrylate	10.9	11.1	102	10.9	100	2	70-130/30
91-20-3	Naphthalene	10.9	9.7	89	9.6	88	1	70-130/30
115-07-1	Propylene	10.9	11.6	106	11.1	102	4	70-130/30
100-42-5	Styrene	11	11.2	102	10.9	99	3	70-130/30
71-55-6	1,1,1-Trichloroethane	10.8	11.7	108	11.5	106	2	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	10.9	11.6	106	11.4	105	2	70-130/30
79-00-5	1,1,2-Trichloroethane	10.7	11.0	103	10.8	101	2	70-130/30
120-82-1	1,2,4-Trichlorobenzene	10.9	11.0	101	10.9	100	1	70-130/30
95-63-6	1,2,4-Trimethylbenzene	11	10.8	98	10.7	97	1	70-130/30
108-67-8	1,3,5-Trimethylbenzene	10.9	10.7	98	10.6	97	1	70-130/30
540-84-1	2,2,4-Trimethylpentane	10.8	10.6	98	10.5	97	1	70-130/30
75-65-0	Tertiary Butyl Alcohol	9.9	10.6	107	10.5	106	1	70-130/30
127-18-4	Tetrachloroethylene	10.9	11.0	101	10.9	100	1	70-130/30
109-99-9	Tetrahydrofuran	10.5	11.5	110	11.5	110	0	70-130/30
108-88-3	Toluene	10.6	9.9	93	9.7	92	2	70-130/30
79-01-6	Trichloroethylene	10.5	10.3	98	10.0	95	3	70-130/30
75-69-4	Trichlorofluoromethane	10.6	10.1	95	9.9	93	2	70-130/30
75-01-4	Vinyl chloride	10.3	11.5	112	11.2	109	3	70-130/30
108-05-4	Vinyl Acetate	10.4	11.8	113	11.1	107	6	70-130/30
	m,p-Xylene	21.4	20.6	96	20.1	94	2	70-130/30
95-47-6	o-Xylene	10.9	10.5	96	10.3	94	2	70-130/30
1330-20-7	Xylenes (total)	32.3	31.1	96	30.4	94	2	70-130/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W392-BS	7W10744.D	1	11/25/24	WC	n/a	n/a	V7W392
V7W392-BSD	7W10745.D	1	11/25/24	WC	n/a	n/a	V7W392

The QC reported here applies to the following samples: **Method:** TO-15

V7W392-SCC

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	98%	99%	65-128%

(a) High percent recovery and no associated positive reported in the QC batch.

* = Outside of Control Limits.

Duplicate Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JE2487-4DUP	5W55675.D	1	12/16/24	TCH	n/a	n/a	V5W2132
JE2487-4	5W55674.D	1	12/16/24	TCH	n/a	n/a	V5W2132

The QC reported here applies to the following samples: **Method:** TO-15

JE2487-2, JE2487-4, JE2487-6

CAS No.	Compound	JE2487-4 ppbv	Q	DUP ppbv	Q	RPD	Limits
106-99-0	1,3-Butadiene	ND		ND		nc	25
71-43-2	Benzene	0.70		0.69		1	25
75-27-4	Bromodichloromethane	0.093		0.096	J	3	25
75-25-2	Bromoform	ND		ND		nc	25
74-83-9	Bromomethane	ND		ND		nc	25
593-60-2	Bromoethene	ND		ND		nc	25
100-44-7	Benzyl Chloride	ND		ND		nc	25
75-15-0	Carbon disulfide	ND		ND		nc	25
108-90-7	Chlorobenzene	ND		ND		nc	25
75-00-3	Chloroethane	ND		ND		nc	25
67-66-3	Chloroform	0.79		0.79		0	25
74-87-3	Chloromethane	0.44		0.45		2	25
107-05-1	3-Chloropropene	ND		ND		nc	25
95-49-8	2-Chlorotoluene	ND		ND		nc	25
56-23-5	Carbon tetrachloride	0.12		0.11	J	9	25
110-82-7	Cyclohexane	0.14		0.13	J	7	25
75-34-3	1,1-Dichloroethane	ND		ND		nc	25
75-35-4	1,1-Dichloroethylene	ND		ND		nc	25
106-93-4	1,2-Dibromoethane (EDB)	ND		ND		nc	25
107-06-2	1,2-Dichloroethane	ND		ND		nc	25
78-87-5	1,2-Dichloropropane	ND		ND		nc	25
123-91-1	1,4-Dioxane	ND		ND		nc	25
75-71-8	Dichlorodifluoromethane	0.50		0.51		2	25
124-48-1	Dibromochloromethane	ND		ND		nc	25
156-60-5	trans-1,2-Dichloroethylene	ND		ND		nc	25
156-59-2	cis-1,2-Dichloroethylene	ND		ND		nc	25
10061-01-5	cis-1,3-Dichloropropene	ND		ND		nc	25
541-73-1	m-Dichlorobenzene	ND		ND		nc	25
95-50-1	o-Dichlorobenzene	ND		ND		nc	25
106-46-7	p-Dichlorobenzene	ND		ND		nc	25
10061-02-6	trans-1,3-Dichloropropene	ND		ND		nc	25
100-41-4	Ethylbenzene	0.15		0.15	J	0	25
141-78-6	Ethyl Acetate	16.8		16.5		2	25
622-96-8	4-Ethyltoluene	ND		ND		nc	25
76-13-1	Freon 113	ND		0.078	J	200* [a]	25
76-14-2	Freon 114	ND		ND		nc	25

* = Outside of Control Limits.

Duplicate Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JE2487-4DUP	5W55675.D	1	12/16/24	TCH	n/a	n/a	V5W2132
JE2487-4	5W55674.D	1	12/16/24	TCH	n/a	n/a	V5W2132

The QC reported here applies to the following samples: **Method:** TO-15

JE2487-2, JE2487-4, JE2487-6

CAS No.	Compound	JE2487-4 ppbv	Q	DUP ppbv	Q	RPD	Limits
142-82-5	Heptane	0.88		0.76		15	25
87-68-3	Hexachlorobutadiene	ND		ND		nc	25
110-54-3	Hexane	0.56		0.55		2	25
591-78-6	2-Hexanone	ND		ND		nc	25
67-63-0	Isopropyl Alcohol	77.6	E	77.1	E	1	25
75-09-2	Methylene chloride	0.44		0.42		5	25
78-93-3	Methyl ethyl ketone	1.3		1.3		0	25
108-10-1	Methyl Isobutyl Ketone	0.11		0.10	J	10	25
1634-04-4	Methyl Tert Butyl Ether	ND		ND		nc	25
80-62-6	Methylmethacrylate	69.2	E	69.0	E	0	25
91-20-3	Naphthalene	0.15		ND		200* [a]	25
115-07-1	Propylene	ND		ND		nc	25
100-42-5	Styrene	ND		ND		nc	25
71-55-6	1,1,1-Trichloroethane	ND		ND		nc	25
79-34-5	1,1,2,2-Tetrachloroethane	ND		ND		nc	25
79-00-5	1,1,2-Trichloroethane	ND		ND		nc	25
120-82-1	1,2,4-Trichlorobenzene	0.12		ND		200* [a]	25
95-63-6	1,2,4-Trimethylbenzene	0.11		0.12	J	9	25
108-67-8	1,3,5-Trimethylbenzene	ND		ND		nc	25
540-84-1	2,2,4-Trimethylpentane	0.24		0.24		0	25
75-65-0	Tertiary Butyl Alcohol	0.80		0.77		4	25
127-18-4	Tetrachloroethylene	0.11		0.12		9	25
109-99-9	Tetrahydrofuran	ND		ND		nc	25
108-88-3	Toluene	1.1		1.1		0	25
79-01-6	Trichloroethylene	ND		ND		nc	25
75-69-4	Trichlorofluoromethane	0.47		0.48		2	25
75-01-4	Vinyl chloride	ND		ND		nc	25
108-05-4	Vinyl Acetate	ND		ND		nc	25
	m,p-Xylene	0.35		0.35		0	25
95-47-6	o-Xylene	0.14		0.15	J	7	25
1330-20-7	Xylenes (total)	0.49		0.50		2	25

CAS No.	Surrogate Recoveries	DUP	JE2487-4	Limits
460-00-4	4-Bromofluorobenzene	114%	113%	65-128%

* = Outside of Control Limits.

Duplicate Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JE2487-4DUP	5W55675.D	1	12/16/24	TCH	n/a	n/a	V5W2132
JE2487-4	5W55674.D	1	12/16/24	TCH	n/a	n/a	V5W2132

The QC reported here applies to the following samples: **Method:** TO-15

JE2487-2, JE2487-4, JE2487-6

(a) RPD acceptable due to low DUP and sample concentrations.

* = Outside of Control Limits.

Duplicate Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JE2488-2DUP	5W55717.D	1	12/18/24	TCH	n/a	n/a	V5W2133
JE2488-2 [a]	5W55716.D	1	12/18/24	TCH	n/a	n/a	V5W2133

The QC reported here applies to the following samples: **Method:** TO-15

JE2487-2, JE2487-4

CAS No.	Compound	JE2488-2 ppbv	Q	DUP ppbv	Q	RPD	Limits
67-64-1	Acetone (2-Propanone)	5.6		5.7		2	25
64-17-5	Ethanol	3.3		3.4		3	25
67-63-0	Isopropyl Alcohol	0.49		0.50		2	25
80-62-6	Methylmethacrylate	ND		ND		nc	25

CAS No.	Surrogate Recoveries	DUP	JE2488-2	Limits
460-00-4	4-Bromofluorobenzene	106%		65-128%

(a) Sample used for QC purposes only.

* = Outside of Control Limits.

Duplicate Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JE2666-1DUP	5W55764.D	1	12/20/24	TCH	n/a	n/a	V5W2135
JE2666-1	5W55763.D	1	12/20/24	TCH	n/a	n/a	V5W2135

The QC reported here applies to the following samples: **Method:** TO-15

JE2487-1, JE2487-3, JE2487-5, JE2487-6

CAS No.	Compound	JE2666-1 ppbv	Q	DUP ppbv	Q	RPD	Limits
67-64-1	Acetone (2-Propanone)	4.2		3.6		15	25
106-99-0	1,3-Butadiene	ND		ND		nc	25
71-43-2	Benzene	2.8		3.0		7	25
75-27-4	Bromodichloromethane	ND		ND		nc	25
75-25-2	Bromoform	ND		ND		nc	25
74-83-9	Bromomethane	ND		ND		nc	25
593-60-2	Bromoethene	ND		ND		nc	25
100-44-7	Benzyl Chloride	ND		ND		nc	25
75-15-0	Carbon disulfide	ND		ND		nc	25
108-90-7	Chlorobenzene	4.0		4.1		2	25
75-00-3	Chloroethane	0.40	J	0.35	J	13	25
67-66-3	Chloroform	ND		ND		nc	25
74-87-3	Chloromethane	ND		ND		nc	25
107-05-1	3-Chloropropene	ND		ND		nc	25
95-49-8	2-Chlorotoluene	ND		ND		nc	25
56-23-5	Carbon tetrachloride	ND		ND		nc	25
110-82-7	Cyclohexane	2.6		2.7		4	25
75-34-3	1,1-Dichloroethane	ND		ND		nc	25
75-35-4	1,1-Dichloroethylene	ND		ND		nc	25
106-93-4	1,2-Dibromoethane (EDB)	ND		ND		nc	25
107-06-2	1,2-Dichloroethane	ND		ND		nc	25
78-87-5	1,2-Dichloropropane	ND		ND		nc	25
123-91-1	1,4-Dioxane	ND		ND		nc	25
75-71-8	Dichlorodifluoromethane	10		10.2		2	25
124-48-1	Dibromochloromethane	ND		ND		nc	25
156-60-5	trans-1,2-Dichloroethylene	ND		ND		nc	25
156-59-2	cis-1,2-Dichloroethylene	0.87		0.91		4	25
10061-01-5	cis-1,3-Dichloropropene	ND		ND		nc	25
541-73-1	m-Dichlorobenzene	ND		ND		nc	25
95-50-1	o-Dichlorobenzene	ND		ND		nc	25
106-46-7	p-Dichlorobenzene	1.3		1.4		7	25
10061-02-6	trans-1,3-Dichloropropene	ND		ND		nc	25
64-17-5	Ethanol	ND		ND		nc	25
100-41-4	Ethylbenzene	0.53	J	0.59	J	11	25
141-78-6	Ethyl Acetate	ND		ND		nc	25
622-96-8	4-Ethyltoluene	ND		ND		nc	25

* = Outside of Control Limits.

Duplicate Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JE2666-1DUP	5W55764.D	1	12/20/24	TCH	n/a	n/a	V5W2135
JE2666-1	5W55763.D	1	12/20/24	TCH	n/a	n/a	V5W2135

The QC reported here applies to the following samples: **Method:** TO-15

JE2487-1, JE2487-3, JE2487-5, JE2487-6

CAS No.	Compound	JE2666-1 ppbv	Q	DUP ppbv	Q	RPD	Limits
76-13-1	Freon 113	ND		ND		nc	25
76-14-2	Freon 114	9.5		7.8		20	25
142-82-5	Heptane	4.4		4.4		0	25
87-68-3	Hexachlorobutadiene	ND		ND		nc	25
110-54-3	Hexane	13.5		13.8		2	25
591-78-6	2-Hexanone	ND		ND		nc	25
67-63-0	Isopropyl Alcohol	ND		ND		nc	25
75-09-2	Methylene chloride	ND		ND		nc	25
78-93-3	Methyl ethyl ketone	ND		ND		nc	25
108-10-1	Methyl Isobutyl Ketone	ND		ND		nc	25
1634-04-4	Methyl Tert Butyl Ether	ND		ND		nc	25
80-62-6	Methylmethacrylate	ND		ND		nc	25
91-20-3	Naphthalene	ND		ND		nc	25
115-07-1	Propylene	ND		ND		nc	25
100-42-5	Styrene	ND		ND		nc	25
71-55-6	1,1,1-Trichloroethane	ND		ND		nc	25
79-34-5	1,1,2,2-Tetrachloroethane	ND		ND		nc	25
79-00-5	1,1,2-Trichloroethane	ND		ND		nc	25
120-82-1	1,2,4-Trichlorobenzene	ND		ND		nc	25
95-63-6	1,2,4-Trimethylbenzene	ND		ND		nc	25
108-67-8	1,3,5-Trimethylbenzene	ND		ND		nc	25
540-84-1	2,2,4-Trimethylpentane	1.1		1.1		0	25
75-65-0	Tertiary Butyl Alcohol	ND		ND		nc	25
127-18-4	Tetrachloroethylene	0.17		0.18		6	25
109-99-9	Tetrahydrofuran	ND		ND		nc	25
108-88-3	Toluene	ND		ND		nc	25
79-01-6	Trichloroethylene	ND		ND		nc	25
75-69-4	Trichlorofluoromethane	0.73	J	0.73	J	0	25
75-01-4	Vinyl chloride	3.3		2.8		16	25
108-05-4	Vinyl Acetate	ND		ND		nc	25
	m,p-Xylene	0.71	J	0.74	J	4	25
95-47-6	o-Xylene	ND		ND		nc	25
1330-20-7	Xylenes (total)	0.71	J	0.74	J	4	25

* = Outside of Control Limits.

Duplicate Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JE2666-1DUP	5W55764.D	1	12/20/24	TCH	n/a	n/a	V5W2135
JE2666-1	5W55763.D	1	12/20/24	TCH	n/a	n/a	V5W2135

The QC reported here applies to the following samples: **Method:** TO-15

JE2487-1, JE2487-3, JE2487-5, JE2487-6

CAS No.	Surrogate Recoveries	DUP	JE2666-1	Limits
460-00-4	4-Bromofluorobenzene	117%	115%	65-128%

* = Outside of Control Limits.

Duplicate Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JE2315-1DUP	5W55826.D	1	12/23/24	TCH	n/a	n/a	V5W2138
JE2315-1	5W55825.D	1	12/23/24	TCH	n/a	n/a	V5W2138

The QC reported here applies to the following samples: **Method:** TO-15

JE2487-1, JE2487-5

CAS No.	Compound	JE2315-1 ppbv	Q	DUP ppbv	Q	RPD	Limits
67-64-1	Acetone (2-Propanone)	3.7		3.6		3	25
64-17-5	Ethanol	7.8		7.5		4	25
67-63-0	Isopropyl Alcohol	0.52		0.52		0	25

CAS No.	Surrogate Recoveries	DUP	JE2315-1	Limits
460-00-4	4-Bromofluorobenzene	109%	107%	65-128%

* = Outside of Control Limits.

Summa Cleaning Certification

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3W3503-SCC	3W88797.D	1	09/20/24	TCH	n/a	n/a	V3W3503

The QC reported here (Summa A852) applies to the following samples: **Method:** TO-15

Batch CP12875 cleaned 09/13/24: JE2487-1(M140)

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
67-64-1	Acetone (2-Propanone)	ND	0.20	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane (EDB)	ND	0.20	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	ppbv		ND	0.98	ug/m3

Summa Cleaning Certification

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3W3503-SCC	3W88797.D	1	09/20/24	TCH	n/a	n/a	V3W3503

The QC reported here (Summa A852) applies to the following samples: **Method:** TO-15

Batch CP12875 cleaned 09/13/24: JE2487-1(M140)

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	ppbv		ND	0.72	ug/m3
80-62-6	Methylmethacrylate	ND	0.20	ppbv		ND	0.82	ug/m3
91-20-3	Naphthalene	ND	0.20	ppbv		ND	1.0	ug/m3
115-07-1	Propylene	ND	0.50	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	ppbv		ND	0.87	ug/m3

Summa Cleaning Certification

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3W3503-SCC	3W88797.D	1	09/20/24	TCH	n/a	n/a	V3W3503

The QC reported here (Summa A852) applies to the following samples: **Method:** TO-15

Batch CP12875 cleaned 09/13/24: JE2487-1(M140)

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	93%	65-128%

Summa Cleaning Certification

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W379-SCC	7W10315.D	1	11/06/24	TCH	n/a	n/a	V7W379

The QC reported here (Summa A276) applies to the following samples: **Method:** TO-15

Batch CP12909 cleaned 10/23/24: JE2487-6(A1284)

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
67-64-1	Acetone (2-Propanone)	ND	0.20	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane (EDB)	ND	0.20	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	ppbv		ND	0.98	ug/m3

Summa Cleaning Certification

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W379-SCC	7W10315.D	1	11/06/24	TCH	n/a	n/a	V7W379

The QC reported here (Summa A276) applies to the following samples: **Method:** TO-15

Batch CP12909 cleaned 10/23/24: JE2487-6(A1284)

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	ppbv		ND	0.72	ug/m3
80-62-6	Methylmethacrylate	ND	0.20	ppbv		ND	0.82	ug/m3
91-20-3	Naphthalene	ND	0.20	ppbv		ND	1.0	ug/m3
115-07-1	Propylene	ND	0.50	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	ppbv		ND	0.87	ug/m3

Summa Cleaning Certification

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W379-SCC	7W10315.D	1	11/06/24	TCH	n/a	n/a	V7W379

The QC reported here (Summa A276) applies to the following samples: **Method:** TO-15

Batch CP12909 cleaned 10/23/24: JE2487-6(A1284)

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	93%	65-128%

Summa Cleaning Certification

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W387-SCC	7W10605.D	1	11/19/24	BK	n/a	n/a	V7W387

The QC reported here (Summa A779) applies to the following samples: **Method:** TO-15

Batch CP12922 cleaned 11/08/24: JE2487-4(A1659)

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
67-64-1	Acetone (2-Propanone)	ND	0.20	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane (EDB)	ND	0.20	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	ppbv		ND	0.98	ug/m3

Summa Cleaning Certification

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W387-SCC	7W10605.D	1	11/19/24	BK	n/a	n/a	V7W387

The QC reported here (Summa A779) applies to the following samples: **Method:** TO-15

Batch CP12922 cleaned 11/08/24: JE2487-4(A1659)

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	ppbv		ND	0.72	ug/m3
80-62-6	Methylmethacrylate	ND	0.20	ppbv		ND	0.82	ug/m3
91-20-3	Naphthalene	ND	0.20	ppbv		ND	1.0	ug/m3
115-07-1	Propylene	ND	0.50	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	ppbv		ND	0.87	ug/m3

Summa Cleaning Certification

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W387-SCC	7W10605.D	1	11/19/24	BK	n/a	n/a	V7W387

The QC reported here (Summa A779) applies to the following samples: **Method:** TO-15

Batch CP12922 cleaned 11/08/24: JE2487-4(A1659)

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	85%	65-128%

Summa Cleaning Certification

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W392-SCC	7W10777.D	1	11/26/24	WC	n/a	n/a	V7W392

The QC reported here (Summa A1858) applies to the following samples: **Method:** TO-15

Batch CP12926 cleaned 11/16/24: JE2487-2(A1678), JE2487-3(A1737), JE2487-5(A1597)

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
67-64-1	Acetone (2-Propanone)	ND	0.20	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride [a]	ND	0.20	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane (EDB)	ND	0.20	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	ppbv		ND	0.98	ug/m3

Summa Cleaning Certification

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W392-SCC	7W10777.D	1	11/26/24	WC	n/a	n/a	V7W392

The QC reported here (Summa A1858) applies to the following samples: **Method:** TO-15

Batch CP12926 cleaned 11/16/24: JE2487-2(A1678), JE2487-3(A1737), JE2487-5(A1597)

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	ppbv		ND	0.72	ug/m3
80-62-6	Methylmethacrylate	ND	0.20	ppbv		ND	0.82	ug/m3
91-20-3	Naphthalene	ND	0.20	ppbv		ND	1.0	ug/m3
115-07-1	Propylene	ND	0.50	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	ppbv		ND	0.87	ug/m3

Summa Cleaning Certification

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W392-SCC	7W10777.D	1	11/26/24	WC	n/a	n/a	V7W392

The QC reported here (Summa A1858) applies to the following samples: **Method:** TO-15

Batch CP12926 cleaned 11/16/24: JE2487-2(A1678), JE2487-3(A1737), JE2487-5(A1597)

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	100%	65-128%

(a) This compound in blank spike is outside in house QC limits bias high.

Instrument Performance Check (BFB)

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample: V3W3499-BFB
Lab File ID: 3W88654.D
Instrument ID: GCMS3W
Injection Date: 09/09/24
Injection Time: 02:29

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	52640	30.1		Pass
75	30.0 - 66.0% of mass 95	107221	61.3		Pass
95	Base peak, 100% relative abundance	174891	100.0		Pass
96	5.0 - 9.0% of mass 95	11581	6.62		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	154816	88.5		Pass
175	4.0 - 9.01% of mass 174	12056	6.89	(7.79) [a]	Pass
176	93.0 - 101.0% of mass 174	150016	85.8	(96.9) [a]	Pass
177	5.0 - 9.0% of mass 176	9496	5.43	(6.33) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V3W3499-IC3499	3W88655.D	09/09/24	03:09	00:40	Initial cal 0.04
V3W3499-IC3499	3W88656.D	09/09/24	03:49	01:20	Initial cal 0.1
V3W3499-IC3499	3W88657.D	09/09/24	04:30	02:01	Initial cal 0.2
V3W3499-IC3499	3W88659.D	09/09/24	05:54	03:25	Initial cal 0.5
V3W3499-IC3499	3W88661.D	09/09/24	07:18	04:49	Initial cal 5
V3W3499-ICC3499	3W88662.D	09/09/24	07:57	05:28	Initial cal 10
V3W3499-IC3499	3W88663.D	09/09/24	08:38	06:09	Initial cal 20
V3W3499-IC3499	3W88664.D	09/09/24	09:22	06:53	Initial cal 40
V3W3499-ICV3499	3W88669.D	09/09/24	13:02	10:33	Initial cal verification 10

Instrument Performance Check (BFB)

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample: V3W3503-BFB
Lab File ID: 3W88778.D
Instrument ID: GCMS3W
Injection Date: 09/19/24
Injection Time: 12:37

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	33147	26.0		Pass
75	30.0 - 66.0% of mass 95	71992	56.5		Pass
95	Base peak, 100% relative abundance	127493	100.0		Pass
96	5.0 - 9.0% of mass 95	8630	6.77		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	112611	88.3		Pass
175	4.0 - 9.01% of mass 174	9113	7.15	(8.09) [a]	Pass
176	93.0 - 101.0% of mass 174	108400	85.0	(96.3) [a]	Pass
177	5.0 - 9.0% of mass 176	7382	5.79	(6.81) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V3W3503-CC3499	3W88779.D	09/19/24	13:17	00:40	Continuing cal 10
V3W3503-BS	3W88780.D	09/19/24	14:24	01:47	Blank Spike
V3W3503-BSD	3W88781.D	09/19/24	15:04	02:27	Blank Spike Duplicate
V3W3503-MB	3W88783.D	09/19/24	16:37	04:00	Method Blank
ZZZZZZ	3W88784.D	09/19/24	17:51	05:14	(unrelated sample)
JD96175-2	3W88785.D	09/19/24	18:39	06:02	(used for QC only; not part of job JE2487)
JD96175-2DUP	3W88786.D	09/19/24	19:28	06:51	Duplicate
ZZZZZZ	3W88787.D	09/19/24	20:18	07:41	(unrelated sample)
ZZZZZZ	3W88788.D	09/19/24	21:08	08:31	(unrelated sample)
ZZZZZZ	3W88789.D	09/19/24	21:54	09:17	(unrelated sample)
ZZZZZZ	3W88790.D	09/19/24	22:40	10:03	(unrelated sample)
ZZZZZZ	3W88791.D	09/19/24	23:26	10:49	(unrelated sample)
ZZZZZZ	3W88792.D	09/20/24	00:12	11:35	(unrelated sample)
V3W3503-SCC	3W88797.D	09/20/24	03:46	15:09	Summa Cleaning Certification
V3W3503-SCC	3W88798.D	09/20/24	04:31	15:54	Summa Cleaning Certification
V3W3503-SCC	3W88801.D	09/20/24	06:48	18:11	Summa Cleaning Certification
V3W3503-SCC	3W88802.D	09/20/24	07:33	18:56	Summa Cleaning Certification
V3W3503-SCC	3W88804.D	09/20/24	09:04	20:27	Summa Cleaning Certification

Instrument Performance Check (BFB)

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample: V5W2125-BFB
Lab File ID: 5W55458.D
Instrument ID: GCMS5W
Injection Date: 12/09/24
Injection Time: 03:34

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	87907	21.0		Pass
75	30.0 - 66.0% of mass 95	218027	52.1		Pass
95	Base peak, 100% relative abundance	418581	100.0		Pass
96	5.0 - 9.0% of mass 95	28349	6.77		Pass
173	Less than 2.0% of mass 174	3695	0.88	(1.07) [a]	Pass
174	50.0 - 120.0% of mass 95	343765	82.1		Pass
175	4.0 - 9.01% of mass 174	26424	6.31	(7.69) [a]	Pass
176	93.0 - 101.0% of mass 174	334720	80.0	(97.4) [a]	Pass
177	5.0 - 9.0% of mass 176	22512	5.38	(6.73) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V5W2125-IC2125	5W55459.D	12/09/24	04:14	00:40	Initial cal 0.04
V5W2125-IC2125	5W55460.D	12/09/24	04:54	01:20	Initial cal 0.1
V5W2125-IC2125	5W55461.D	12/09/24	05:35	02:01	Initial cal 0.2
V5W2125-IC2125	5W55463.D	12/09/24	06:59	03:25	Initial cal 0.5
V5W2125-IC2125	5W55464.D	12/09/24	07:45	04:11	Initial cal 5
V5W2125-ICC2125	5W55466.D	12/09/24	09:03	05:29	Initial cal 10
V5W2125-IC2125	5W55467.D	12/09/24	09:45	06:11	Initial cal 20
V5W2125-IC2125	5W55468.D	12/09/24	10:29	06:55	Initial cal 40
V5W2125-IC2125	5W55469.D	12/09/24	11:14	07:40	Initial cal 50
V5W2125-ICV2125	5W55473.D	12/09/24	13:55	10:21	Initial cal verification 10

Instrument Performance Check (BFB)

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample: V5W2132-BFB
Lab File ID: 5W55663.D
Instrument ID: GCMS5W
Injection Date: 12/16/24
Injection Time: 12:41

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	101069	23.2		Pass
75	30.0 - 66.0% of mass 95	267968	61.5		Pass
95	Base peak, 100% relative abundance	435499	100.0		Pass
96	5.0 - 9.0% of mass 95	29261	6.72		Pass
173	Less than 2.0% of mass 174	1816	0.42	(0.43) [a]	Pass
174	50.0 - 120.0% of mass 95	426539	97.9		Pass
175	4.0 - 9.01% of mass 174	32493	7.46	(7.62) [a]	Pass
176	93.0 - 101.0% of mass 174	413696	95.0	(97.0) [a]	Pass
177	5.0 - 9.0% of mass 176	27451	6.30	(6.64) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V5W2132-CC2125	5W55664.D	12/16/24	13:21	00:40	Continuing cal 10
V5W2132-BS	5W55665.D	12/16/24	14:48	02:07	Blank Spike
V5W2132-BSD	5W55666.D	12/16/24	15:29	02:48	Blank Spike Duplicate
V5W2132-MB	5W55670.D	12/16/24	18:38	05:57	Method Blank
V5W2132-SCC	5W55670A.D	12/16/24	18:38	05:57	Summa Cleaning Certification
V5W2132-SCC	5W55671.D	12/16/24	19:23	06:42	Summa Cleaning Certification
V5W2132-SCC	5W55672.D	12/16/24	20:09	07:28	Summa Cleaning Certification
JE2487-2	5W55673.D	12/16/24	20:57	08:16	IA-5
JE2487-4	5W55674.D	12/16/24	21:45	09:04	IA-6
JE2487-4DUP	5W55675.D	12/16/24	22:33	09:52	Duplicate
JE2487-6	5W55676.D	12/16/24	23:21	10:40	DUP IA
ZZZZZZ	5W55677.D	12/17/24	00:02	11:21	(unrelated sample)
ZZZZZZ	5W55678.D	12/17/24	00:43	12:02	(unrelated sample)
ZZZZZZ	5W55679.D	12/17/24	01:22	12:41	(unrelated sample)
ZZZZZZ	5W55680.D	12/17/24	02:03	13:22	(unrelated sample)
ZZZZZZ	5W55681.D	12/17/24	02:43	14:02	(unrelated sample)
ZZZZZZ	5W55682.D	12/17/24	03:24	14:43	(unrelated sample)
ZZZZZZ	5W55683.D	12/17/24	04:05	15:24	(unrelated sample)
ZZZZZZ	5W55684.D	12/17/24	04:46	16:05	(unrelated sample)
ZZZZZZ	5W55685.D	12/17/24	05:27	16:46	(unrelated sample)
ZZZZZZ	5W55686.D	12/17/24	06:08	17:27	(unrelated sample)
V5W2132-SCC	5W55688.D	12/17/24	07:34	18:53	Summa Cleaning Certification
ZZZZZZ	5W55689.D	12/17/24	08:21	19:40	(unrelated sample)
ZZZZZZ	5W55690.D	12/17/24	09:07	20:26	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample:	V5W2132-BFB	**Injection Date:**	12/16/24
Lab File ID:	5W55663.D	**Injection Time:**	12:41
Instrument ID:	GCMS5W		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	5W55691.D	12/17/24	09:53	21:12	(unrelated sample)
ZZZZZZ	5W55692.D	12/17/24	10:53	22:12	(unrelated sample)
ZZZZZZ	5W55693.D	12/17/24	11:40	22:59	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample: V5W2133-BFB
Lab File ID: 5W55699.D
Instrument ID: GCMS5W
Injection Date: 12/17/24
Injection Time: 19:52

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	105096	23.2		Pass
75	30.0 - 66.0% of mass 95	264789	58.6		Pass
95	Base peak, 100% relative abundance	452053	100.0		Pass
96	5.0 - 9.0% of mass 95	29944	6.62		Pass
173	Less than 2.0% of mass 174	2112	0.47	(0.43) [a]	Pass
174	50.0 - 120.0% of mass 95	488917	108.2		Pass
175	4.0 - 9.01% of mass 174	38499	8.52	(7.87) [a]	Pass
176	93.0 - 101.0% of mass 174	492928	109.0	(100.8) [a]	Pass
177	5.0 - 9.0% of mass 176	32312	7.15	(6.56) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V5W2133-CC2125	5W55700.D	12/17/24	20:32	00:40	Continuing cal 10
V5W2133-BS	5W55701.D	12/17/24	21:13	01:21	Blank Spike
V5W2133-BSD	5W55703.D	12/17/24	22:35	02:43	Blank Spike Duplicate
V5W2133-MB	5W55706.D	12/18/24	00:51	04:59	Method Blank
V5W2133-SCC	5W55707.D	12/18/24	01:36	05:44	Summa Cleaning Certification
V5W2133-SCC	5W55708.D	12/18/24	02:22	06:30	Summa Cleaning Certification
V5W2133-SCC	5W55709.D	12/18/24	03:08	07:16	Summa Cleaning Certification
V5W2133-SCC	5W55710.D	12/18/24	03:55	08:03	Summa Cleaning Certification
V5W2133-SCC	5W55711.D	12/18/24	04:42	08:50	Summa Cleaning Certification
V5W2133-SCC	5W55712.D	12/18/24	05:29	09:37	Summa Cleaning Certification
V5W2133-SCC	5W55713.D	12/18/24	06:16	10:24	Summa Cleaning Certification
V5W2133-SCC	5W55714.D	12/18/24	07:02	11:10	Summa Cleaning Certification
JE2488-2	5W55716.D	12/18/24	08:40	12:48	(used for QC only; not part of job JE2487)
JE2488-2DUP	5W55717.D	12/18/24	09:29	13:37	Duplicate
ZZZZZZ	5W55721.D	12/18/24	12:42	16:50	(unrelated sample)
ZZZZZZ	5W55722.D	12/18/24	13:30	17:38	(unrelated sample)
ZZZZZZ	5W55723.D	12/18/24	14:18	18:26	(unrelated sample)
JE2487-2	5W55724.D	12/18/24	14:59	19:07	IA-5
JE2487-4	5W55725.D	12/18/24	15:40	19:48	IA-6

Instrument Performance Check (BFB)

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample: V5W2135-BFB
Lab File ID: 5W55751.D
Instrument ID: GCMS5W
Injection Date: 12/19/24
Injection Time: 15:40

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	114779	24.0		Pass
75	30.0 - 66.0% of mass 95	281387	58.9		Pass
95	Base peak, 100% relative abundance	477781	100.0		Pass
96	5.0 - 9.0% of mass 95	31525	6.60		Pass
173	Less than 2.0% of mass 174	2249	0.47	(0.42) [a]	Pass
174	50.0 - 120.0% of mass 95	531051	111.1		Pass
175	4.0 - 9.01% of mass 174	40389	8.45	(7.61) [a]	Pass
176	93.0 - 101.0% of mass 174	532885	111.5	(100.3) [a]	Pass
177	5.0 - 9.0% of mass 176	35269	7.38	(6.62) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V5W2135-CC2125	5W55752.D	12/19/24	16:21	00:41	Continuing cal 10
V5W2135-BS	5W55753.D	12/19/24	17:20	01:40	Blank Spike
V5W2135-BSD	5W55754.D	12/19/24	18:00	02:20	Blank Spike Duplicate
V5W2135-MB	5W55756.D	12/19/24	19:38	03:58	Method Blank
V5W2135-SCC	5W55757.D	12/19/24	20:18	04:38	Summa Cleaning Certification
V5W2135-SCC	5W55758.D	12/19/24	20:59	05:19	Summa Cleaning Certification
V5W2135-SCC	5W55759.D	12/19/24	21:40	06:00	Summa Cleaning Certification
V5W2135-SCC	5W55760.D	12/19/24	22:21	06:41	Summa Cleaning Certification
V5W2135-SCC	5W55761.D	12/19/24	23:01	07:21	Summa Cleaning Certification
V5W2135-SCC	5W55762.D	12/19/24	23:42	08:02	Summa Cleaning Certification
JE2666-1	5W55763.D	12/20/24	00:24	08:44	(used for QC only; not part of job JE2487)
JE2666-1DUP	5W55764.D	12/20/24	01:06	09:26	Duplicate
ZZZZZZ	5W55765.D	12/20/24	01:51	10:11	(unrelated sample)
ZZZZZZ	5W55766.D	12/20/24	02:38	10:58	(unrelated sample)
ZZZZZZ	5W55767.D	12/20/24	03:26	11:46	(unrelated sample)
JE2487-1	5W55768.D	12/20/24	04:13	12:33	SS-5
JE2487-3	5W55769.D	12/20/24	04:55	13:15	SS-6
JE2487-5	5W55770.D	12/20/24	05:43	14:03	DUP SS
JE2487-6	5W55771.D	12/20/24	06:26	14:46	DUP IA
ZZZZZZ	5W55772.D	12/20/24	07:15	15:35	(unrelated sample)
ZZZZZZ	5W55773.D	12/20/24	08:03	16:23	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample: V5W2138-BFB
Lab File ID: 5W55818.D
Instrument ID: GCMS5W
Injection Date: 12/23/24
Injection Time: 08:13

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	80464	22.0		Pass
75	30.0 - 66.0% of mass 95	208725	57.0		Pass
95	Base peak, 100% relative abundance	365867	100.0		Pass
96	5.0 - 9.0% of mass 95	24203	6.62		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	437760	119.7		Pass
175	4.0 - 9.01% of mass 174	33048	9.03	(7.55) [a]	Pass
176	93.0 - 101.0% of mass 174	427712	116.9	(97.7) [a]	Pass
177	5.0 - 9.0% of mass 176	29384	8.03	(6.87) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V5W2138-CC2125	5W55819.D	12/23/24	09:11	00:58	Continuing cal 10
V5W2138-BS	5W55820.D	12/23/24	10:07	01:54	Blank Spike
V5W2138-BSD	5W55821.D	12/23/24	11:17	03:04	Blank Spike Duplicate
V5W2138-MB	5W55823.D	12/23/24	12:54	04:41	Method Blank
V5W2138-SCC	5W55824.D	12/23/24	14:29	06:16	Summa Cleaning Certification
JE2315-1	5W55825.D	12/23/24	15:24	07:11	(used for QC only; not part of job JE2487)
JE2315-1DUP	5W55826.D	12/23/24	16:11	07:58	Duplicate
JE2487-1	5W55827.D	12/23/24	16:52	08:39	SS-5
JE2487-5	5W55828.D	12/23/24	17:34	09:21	DUP SS
ZZZZZZ	5W55829.D	12/23/24	18:20	10:07	(unrelated sample)
ZZZZZZ	5W55830.D	12/23/24	19:01	10:48	(unrelated sample)
ZZZZZZ	5W55831.D	12/23/24	19:43	11:30	(unrelated sample)
ZZZZZZ	5W55832.D	12/23/24	20:23	12:10	(unrelated sample)
ZZZZZZ	5W55833.D	12/23/24	21:09	12:56	(unrelated sample)
ZZZZZZ	5W55834.D	12/23/24	21:56	13:43	(unrelated sample)
ZZZZZZ	5W55835.D	12/23/24	22:42	14:29	(unrelated sample)
ZZZZZZ	5W55836.D	12/23/24	23:28	15:15	(unrelated sample)
ZZZZZZ	5W55837.D	12/24/24	00:14	16:01	(unrelated sample)
ZZZZZZ	5W55838.D	12/24/24	01:01	16:48	(unrelated sample)
ZZZZZZ	5W55839.D	12/24/24	01:54	17:41	(unrelated sample)
ZZZZZZ	5W55840.D	12/24/24	02:41	18:28	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample: V7W305-BFB
Lab File ID: 7W07974.D
Instrument ID: GCMS7W
Injection Date: 08/18/24
Injection Time: 21:06

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	20443	24.4		Pass
75	30.0 - 66.0% of mass 95	43320	51.7		Pass
95	Base peak, 100% relative abundance	83736	100.0		Pass
96	5.0 - 9.0% of mass 95	5915	7.06		Pass
173	Less than 2.0% of mass 174	627	0.75	(1.02) [a]	Pass
174	50.0 - 120.0% of mass 95	61525	73.5		Pass
175	4.0 - 9.01% of mass 174	4526	5.41	(7.36) [a]	Pass
176	93.0 - 101.0% of mass 174	58768	70.2	(95.5) [a]	Pass
177	5.0 - 9.0% of mass 176	3856	4.60	(6.56) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V7W305-IC305	7W07975.D	08/18/24	21:40	00:34	Initial cal 0.04
V7W305-IC305	7W07976.D	08/18/24	22:13	01:07	Initial cal 0.10
V7W305-IC305	7W07977.D	08/18/24	22:49	01:43	Initial cal 0.20
V7W305-IC305	7W07978.D	08/18/24	23:22	02:16	Initial cal 0.50
V7W305-IC305	7W07979.D	08/19/24	00:01	02:55	Initial cal 5
V7W305-ICC305	7W07980.D	08/19/24	00:35	03:29	Initial cal 10
V7W305-IC305	7W07981.D	08/19/24	01:10	04:04	Initial cal 20
V7W305-IC305	7W07982.D	08/19/24	01:48	04:42	Initial cal 40
V7W305-IC305	7W07983.D	08/19/24	02:28	05:22	Initial cal 50
V7W305-ICV305	7W07990.D	08/19/24	06:28	09:22	Initial cal verification 10
V7W306-BS	7W07991.D	08/19/24	07:07	10:01	Blank Spike
V7W306-BSD	7W07992.D	08/19/24	07:40	10:34	Blank Spike Duplicate
V7W306-MB	7W07996.D	08/19/24	10:30	13:24	Method Blank
ZZZZZZ	7W07997.D	08/19/24	11:04	13:58	(unrelated sample)
ZZZZZZ	7W07998.D	08/19/24	11:39	14:33	(unrelated sample)
ZZZZZZ	7W07999.D	08/19/24	12:15	15:09	(unrelated sample)
JD93469-1	7W08000.D	08/19/24	12:50	15:44	(used for QC only; not part of job JE2487)
JD93469-1DUP	7W08001.D	08/19/24	13:26	16:20	Duplicate
ZZZZZZ	7W08002.D	08/19/24	14:07	17:01	(unrelated sample)
ZZZZZZ	7W08003.D	08/19/24	14:50	17:44	(unrelated sample)
ZZZZZZ	7W08004.D	08/19/24	15:30	18:24	(unrelated sample)
ZZZZZZ	7W08005.D	08/19/24	16:05	18:59	(unrelated sample)
ZZZZZZ	7W08006.D	08/19/24	16:46	19:40	(unrelated sample)
ZZZZZZ	7W08007.D	08/19/24	17:31	20:25	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample:	V7W305-BFB	**Injection Date:**	08/18/24
Lab File ID:	7W07974.D	**Injection Time:**	21:06
Instrument ID:	GCMS7W		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	7W08008.D	08/19/24	18:11	21:05	(unrelated sample)
ZZZZZZ	7W08009.D	08/19/24	18:52	21:46	(unrelated sample)
ZZZZZZ	7W08010.D	08/19/24	20:04	22:58	(unrelated sample)
ZZZZZZ	7W08011.D	08/19/24	20:43	23:37	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample: V7W379-BFB
Lab File ID: 7W10298.D
Instrument ID: GCMS7W
Injection Date: 11/06/24
Injection Time: 08:30

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	13433	21.4		Pass
75	30.0 - 66.0% of mass 95	31192	49.8		Pass
95	Base peak, 100% relative abundance	62667	100.0		Pass
96	5.0 - 9.0% of mass 95	4090	6.53		Pass
173	Less than 2.0% of mass 174	262	0.42	(0.56) [a]	Pass
174	50.0 - 120.0% of mass 95	46624	74.4		Pass
175	4.0 - 9.01% of mass 174	3614	5.77	(7.75) [a]	Pass
176	93.0 - 101.0% of mass 174	46085	73.5	(98.8) [a]	Pass
177	5.0 - 9.0% of mass 176	3024	4.83	(6.56) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V7W379-CC305	7W10299.D	11/06/24	09:06	00:36	Continuing cal 10
V7W379-BS	7W10300.D	11/06/24	09:45	01:15	Blank Spike
V7W379-BSD	7W10301.D	11/06/24	10:21	01:51	Blank Spike Duplicate
V7W379-MB	7W10303.D	11/06/24	11:42	03:12	Method Blank
JD98975-1	7W10304.D	11/06/24	12:44	04:14	(used for QC only; not part of job JE2487)
JD98975-1DUP	7W10305.D	11/06/24	13:27	04:57	Duplicate
ZZZZZZ	7W10306.D	11/06/24	14:10	05:40	(unrelated sample)
ZZZZZZ	7W10307.D	11/06/24	14:56	06:26	(unrelated sample)
ZZZZZZ	7W10308.D	11/06/24	15:39	07:09	(unrelated sample)
ZZZZZZ	7W10309.D	11/06/24	16:22	07:52	(unrelated sample)
ZZZZZZ	7W10310.D	11/06/24	16:58	08:28	(unrelated sample)
V7W379-SCC	7W10311.D	11/06/24	17:39	09:09	Summa Cleaning Certification
V7W379-SCC	7W10312.D	11/06/24	18:20	09:50	Summa Cleaning Certification
V7W379-SCC	7W10313.D	11/06/24	19:01	10:31	Summa Cleaning Certification
V7W379-SCC	7W10314.D	11/06/24	19:42	11:12	Summa Cleaning Certification
V7W379-SCC	7W10315.D	11/06/24	20:23	11:53	Summa Cleaning Certification
V7W379-SCC	7W10316.D	11/06/24	21:04	12:34	Summa Cleaning Certification
V7W379-SCC	7W10317.D	11/06/24	21:45	13:15	Summa Cleaning Certification
V7W379-SCC	7W10318.D	11/06/24	22:26	13:56	Summa Cleaning Certification
V7W379-SCC	7W10319.D	11/06/24	23:07	14:37	Summa Cleaning Certification
V7W379-SCC	7W10321.D	11/07/24	00:24	15:54	Summa Cleaning Certification
V7W379-SCC	7W10322.D	11/07/24	01:00	16:30	Summa Cleaning Certification
V7W379-SCC	7W10323.D	11/07/24	01:35	17:05	Summa Cleaning Certification
V7W379-SCC	7W10324.D	11/07/24	02:11	17:41	Summa Cleaning Certification

Instrument Performance Check (BFB)

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample:	V7W379-BFB	**Injection Date:**	11/06/24
Lab File ID:	7W10298.D	**Injection Time:**	08:30
Instrument ID:	GCMS7W		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V7W379-SCC	7W10325.D	11/07/24	02:47	18:17	Summa Cleaning Certification
V7W379-SCC	7W10326.D	11/07/24	03:28	18:58	Summa Cleaning Certification
V7W379-SCC	7W10327.D	11/07/24	04:10	19:40	Summa Cleaning Certification
V7W379-SCC	7W10328.D	11/07/24	04:51	20:21	Summa Cleaning Certification
V7W379-SCC	7W10329.D	11/07/24	05:32	21:02	Summa Cleaning Certification
V7W379-SCC	7W10330.D	11/07/24	06:14	21:44	Summa Cleaning Certification
V7W379-SCC	7W10331.D	11/07/24	06:55	22:25	Summa Cleaning Certification
V7W379-SCC	7W10332.D	11/07/24	07:37	23:07	Summa Cleaning Certification
V7W379-SCC	7W10333.D	11/07/24	08:18	23:48	Summa Cleaning Certification

Instrument Performance Check (BFB)

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample: V7W387-BFB
Lab File ID: 7W10575.D
Instrument ID: GCMS7W
Injection Date: 11/18/24
Injection Time: 08:59

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	12830	18.3		Pass
75	30.0 - 66.0% of mass 95	33101	47.2		Pass
95	Base peak, 100% relative abundance	70203	100.0		Pass
96	5.0 - 9.0% of mass 95	4918	7.01		Pass
173	Less than 2.0% of mass 174	423	0.60	(0.70) [a]	Pass
174	50.0 - 120.0% of mass 95	60187	85.7		Pass
175	4.0 - 9.01% of mass 174	4410	6.28	(7.33) [a]	Pass
176	93.0 - 101.0% of mass 174	57075	81.3	(94.8) [a]	Pass
177	5.0 - 9.0% of mass 176	3652	5.20	(6.40) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V7W387-CC305	7W10576.D	11/18/24	09:35	00:36	Continuing cal 10
V7W387-BS	7W10577.D	11/18/24	10:11	01:12	Blank Spike
V7W387-BSD	7W10578.D	11/18/24	10:46	01:47	Blank Spike Duplicate
V7W387-MB	7W10580.D	11/18/24	12:04	03:05	Method Blank
JD99820-1	7W10582.D	11/18/24	13:59	05:00	(used for QC only; not part of job JE2487)
JD99820-1DUP	7W10583.D	11/18/24	14:40	05:41	Duplicate
ZZZZZZ	7W10584.D	11/18/24	15:21	06:22	(unrelated sample)
ZZZZZZ	7W10586.D	11/18/24	16:44	07:45	(unrelated sample)
ZZZZZZ	7W10587.D	11/18/24	17:25	08:26	(unrelated sample)
ZZZZZZ	7W10588.D	11/18/24	18:07	09:08	(unrelated sample)
ZZZZZZ	7W10590.D	11/18/24	19:30	10:31	(unrelated sample)
ZZZZZZ	7W10591.D	11/18/24	20:11	11:12	(unrelated sample)
ZZZZZZ	7W10592.D	11/18/24	20:52	11:53	(unrelated sample)
ZZZZZZ	7W10593.D	11/18/24	21:28	12:29	(unrelated sample)
ZZZZZZ	7W10594.D	11/18/24	22:04	13:05	(unrelated sample)
ZZZZZZ	7W10595.D	11/18/24	22:41	13:42	(unrelated sample)
ZZZZZZ	7W10597.D	11/18/24	23:53	14:54	(unrelated sample)
ZZZZZZ	7W10598.D	11/19/24	00:29	15:30	(unrelated sample)
ZZZZZZ	7W10599.D	11/19/24	01:06	16:07	(unrelated sample)
ZZZZZZ	7W10601.D	11/19/24	02:18	17:19	(unrelated sample)
ZZZZZZ	7W10602.D	11/19/24	02:55	17:56	(unrelated sample)
V7W387-SCC	7W10603.D	11/19/24	03:31	18:32	Summa Cleaning Certification
V7W387-SCC	7W10604.D	11/19/24	04:07	19:08	Summa Cleaning Certification
V7W387-SCC	7W10605.D	11/19/24	04:48	19:49	Summa Cleaning Certification

Instrument Performance Check (BFB)

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample:	V7W387-BFB	**Injection Date:**	11/18/24
Lab File ID:	7W10575.D	**Injection Time:**	08:59
Instrument ID:	GCMS7W		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V7W387-SCC	7W10606.D	11/19/24	05:29	20:30	Summa Cleaning Certification
V7W387-SCC	7W10607.D	11/19/24	06:10	21:11	Summa Cleaning Certification
ZZZZZZ	7W10608.D	11/19/24	06:51	21:52	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample: V7W392-BFB
Lab File ID: 7W10742.D
Instrument ID: GCMS7W
Injection Date: 11/25/24
Injection Time: 08:36

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	15330	21.5		Pass
75	30.0 - 66.0% of mass 95	35867	50.4		Pass
95	Base peak, 100% relative abundance	71168	100.0		Pass
96	5.0 - 9.0% of mass 95	4636	6.51		Pass
173	Less than 2.0% of mass 174	555	0.78	(1.03) [a]	Pass
174	50.0 - 120.0% of mass 95	53835	75.6		Pass
175	4.0 - 9.01% of mass 174	3970	5.58	(7.37) [a]	Pass
176	93.0 - 101.0% of mass 174	52037	73.1	(96.7) [a]	Pass
177	5.0 - 9.0% of mass 176	3340	4.69	(6.42) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V7W392-CC305	7W10743.D	11/25/24	09:11	00:35	Continuing cal 10
V7W392-BS	7W10744.D	11/25/24	09:50	01:14	Blank Spike
V7W392-BSD	7W10745.D	11/25/24	10:26	01:50	Blank Spike Duplicate
V7W392-MB	7W10747.D	11/25/24	11:46	03:10	Method Blank
ZZZZZZ	7W10748.D	11/25/24	12:29	03:53	(unrelated sample)
ZZZZZZ	7W10749.D	11/25/24	13:04	04:28	(unrelated sample)
ZZZZZZ	7W10750.D	11/25/24	13:39	05:03	(unrelated sample)
ZZZZZZ	7W10751.D	11/25/24	14:14	05:38	(unrelated sample)
ZZZZZZ	7W10752.D	11/25/24	14:56	06:20	(unrelated sample)
JE994-2	7W10754.D	11/25/24	16:07	07:31	(used for QC only; not part of job JE2487)
ZZZZZZ	7W10757.D	11/25/24	17:55	09:19	(unrelated sample)
ZZZZZZ	7W10758.D	11/25/24	18:30	09:54	(unrelated sample)
ZZZZZZ	7W10759.D	11/25/24	19:05	10:29	(unrelated sample)
ZZZZZZ	7W10760.D	11/25/24	19:40	11:04	(unrelated sample)
ZZZZZZ	7W10761.D	11/25/24	20:16	11:40	(unrelated sample)
ZZZZZZ	7W10763.D	11/25/24	21:26	12:50	(unrelated sample)
ZZZZZZ	7W10764.D	11/25/24	22:01	13:25	(unrelated sample)
JE1061-10	7W10765.D	11/25/24	22:38	14:02	(used for QC only; not part of job JE2487)
ZZZZZZ	7W10766.D	11/25/24	23:19	14:43	(unrelated sample)
ZZZZZZ	7W10767.D	11/26/24	00:00	15:24	(unrelated sample)
ZZZZZZ	7W10768.D	11/26/24	00:42	16:06	(unrelated sample)
ZZZZZZ	7W10771.D	11/26/24	02:42	18:06	(unrelated sample)
V7W392-SCC	7W10772.D	11/26/24	03:23	18:47	Summa Cleaning Certification
V7W392-SCC	7W10773.D	11/26/24	04:04	19:28	Summa Cleaning Certification

Instrument Performance Check (BFB)

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample:	V7W392-BFB	**Injection Date:**	11/25/24
Lab File ID:	7W10742.D	**Injection Time:**	08:36
Instrument ID:	GCMS7W		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V7W392-SCC	7W10774.D	11/26/24	04:44	20:08	Summa Cleaning Certification
V7W392-SCC	7W10775.D	11/26/24	05:25	20:49	Summa Cleaning Certification
V7W392-SCC	7W10777.D	11/26/24	06:47	22:11	Summa Cleaning Certification
JE1061-10DUP	7W10779.D	11/26/24	08:24	23:48	Duplicate

Internal Standard Area Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Check Std:	V3W3503-CC3499	**Injection Date:**	09/19/24
Lab File ID:	3W88779.D	**Injection Time:**	13:17
Instrument ID:	GCMS3W	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	85839	7.49	439834	9.21	234703	13.49
Upper Limit [a]	120175	7.82	615768	9.54	328584	13.82
Lower Limit [b]	51503	7.16	263900	8.88	140822	13.16

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
V3W3503-BS	79563	7.49	406111	9.21	223805	13.48
V3W3503-BSD	76528	7.49	385893	9.21	214634	13.49
V3W3503-MB	70106	7.49	359547	9.21	182840	13.48
ZZZZZZ	62955	7.50	318174	9.21	162825	13.48
JD96175-2	60931	7.50	307999	9.21	164184	13.48
JD96175-2DUP	58661	7.50	291386	9.21	162954	13.48
ZZZZZZ	57886	7.50	292737	9.21	158196	13.48
ZZZZZZ	58549	7.50	292582	9.21	161142	13.48
ZZZZZZ	56367	7.50	281347	9.21	149531	13.48
ZZZZZZ	57108	7.50	282789	9.21	154338	13.48
ZZZZZZ	55910	7.50	275948	9.21	162094	13.48
ZZZZZZ	56605	7.50	286975	9.21	145699	13.48
V3W3503-SCC	54473	7.49	280242	9.21	145606	13.48
V3W3503-SCC	53602	7.49	272854	9.21	157083	13.48
V3W3503-SCC	52682	7.49	270098	9.21	141260	13.48
V3W3503-SCC	52765	7.49	275061	9.21	164734	13.48
V3W3503-SCC	53615	7.49	275882	9.21	154561	13.48

IS 1 = Bromochloromethane
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5

(a) Upper Limit = + 40% of check standard area; Retention time + 0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.

Internal Standard Area Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Check Std:	V5W2132-CC2125	**Injection Date:**	12/16/24
Lab File ID:	5W55664.D	**Injection Time:**	13:21
Instrument ID:	GCMS5W	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	322460	7.67	1489170	9.83	993103	15.35
Upper Limit [a]	451444	8.00	2084838	10.16	1390344	15.68
Lower Limit [b]	193476	7.34	893502	9.50	595862	15.02

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
V5W2132-BS	341152	7.67	1550754	9.83	1025782	15.34
V5W2132-BSD	328331	7.67	1518453	9.83	1014713	15.35
V5W2132-MB	351933	7.66	1652348	9.83	979891	15.34
V5W2132-SCC	351933	7.66	1652348	9.83	979891	15.34
V5W2132-SCC	364037	7.66	1592616	9.83	1005649	15.34
V5W2132-SCC	358452	7.66	1494109	9.83	1003602	15.34
JE2487-2	279715	7.67	1392537	9.83	858944	15.34
JE2487-4	277269	7.67	1350782	9.83	827218	15.35
JE2487-4DUP	279421	7.67	1362931	9.83	788847	15.34
JE2487-6	277336	7.67	1355901	9.83	836365	15.34
ZZZZZZ	273073	7.67	1333849	9.83	785500	15.34
ZZZZZZ	276954	7.67	1345536	9.83	774423	15.34
ZZZZZZ	269136	7.67	1303757	9.83	724093	15.34
ZZZZZZ	278388	7.66	1344968	9.83	804996	15.34
ZZZZZZ	285979	7.67	1400047	9.83	839393	15.34
ZZZZZZ	272171	7.66	1346089	9.83	840735	15.34
ZZZZZZ	286499	7.67	1400540	9.83	868483	15.34
ZZZZZZ	282275	7.66	1372616	9.83	854374	15.34
ZZZZZZ	284462	7.66	1375628	9.83	812932	15.34
ZZZZZZ	286564	7.66	1393907	9.83	855919	15.34
V5W2132-SCC	294351	7.66	1399989	9.83	827427	15.34
ZZZZZZ	242805	7.66	1181625	9.83	720130	15.34
ZZZZZZ	244129	7.66	1195765	9.83	755239	15.34
ZZZZZZ	260698	7.66	1263011	9.83	792763	15.34
ZZZZZZ	256044	7.66	1245715	9.83	783760	15.34
ZZZZZZ	243432	7.66	1190802	9.83	753521	15.34

IS 1 = Bromochloromethane
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5

(a) Upper Limit = + 40% of check standard area; Retention time + 0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.

Internal Standard Area Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Check Std:	V5W2133-CC2125	**Injection Date:**	12/17/24
Lab File ID:	5W55700.D	**Injection Time:**	20:32
Instrument ID:	GCMS5W	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	283490	7.67	1320983	9.83	829640	15.35
Upper Limit [a]	396886	8.00	1849376	10.16	1161496	15.68
Lower Limit [b]	170094	7.34	792590	9.50	497784	15.02

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
V5W2133-BS	313892	7.67	1454050	9.83	902926	15.35
V5W2133-BSD	319491	7.66	1462454	9.83	906713	15.34
V5W2133-MB	295908	7.66	1754729	9.83	953484	15.34
V5W2133-SCC	267595	7.66	1285097	9.83	733872	15.34
V5W2133-SCC [c]	215631	7.66	1056364	9.83	624828	15.34
V5W2133-SCC	208981	7.66	1029779	9.83	606483	15.34
V5W2133-SCC [c]	188367	7.66	948315	9.83	553930	15.34
V5W2133-SCC [c]	181213	7.66	897339	9.83	529431	15.34
V5W2133-SCC	190751	7.66	939930	9.83	559452	15.34
V5W2133-SCC	188591	7.66	933317	9.83	548791	15.34
V5W2133-SCC	197470	7.66	973511	9.83	568347	15.34
JE2488-2	155758[d]	7.66	802815	9.83	500617	15.34
JE2488-2DUP	156769[e]	7.66	796945	9.83	502343	15.34
ZZZZZZ	201833	7.68	1009609	9.83	643332	15.34
ZZZZZZ	233544	7.70	1103107	9.85	630888	15.35
ZZZZZZ	255838	7.70	1240149	9.85	726238	15.35
JE2487-2	245099	7.66	1200195	9.83	651740	15.34
JE2487-4	201759	7.66	999601	9.83	548542	15.34

IS 1 = Bromochloromethane
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5

(a) Upper Limit = + 40% of check standard area; Retention time + 0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.
(c) reclean
(d) Outside of in house control limits.
(e) Outside in house control limits.

Internal Standard Area Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Check Std:	V5W2135-CC2125	**Injection Date:**	12/19/24
Lab File ID:	5W55752.D	**Injection Time:**	16:21
Instrument ID:	GCMS5W	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	322187	7.67	1499665	9.83	960430	15.34
Upper Limit [a]	451062	8.00	2099531	10.16	1344602	15.67
Lower Limit [b]	193312	7.34	899799	9.50	576258	15.01

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
V5W2135-BS	331289	7.66	1550914	9.83	964726	15.34
V5W2135-BSD	334718	7.67	1578242	9.83	998402	15.34
V5W2135-MB	391902	7.66	1871565	9.82	1053026	15.34
V5W2135-SCC [c]	349450	7.66	1659793	9.83	931089	15.34
V5W2135-SCC [c]	301684	7.66	1473466	9.83	822803	15.34
V5W2135-SCC	276073	7.66	1336244	9.83	766363	15.34
V5W2135-SCC	253539	7.66	1252451	9.83	729719	15.34
V5W2135-SCC	244889	7.66	1205208	9.83	691756	15.34
V5W2135-SCC	237497	7.66	1161322	9.83	680535	15.34
JE2666-1	209799	7.66	1077681	9.83	679137	15.34
JE2666-1DUP	260206	7.66	1283023	9.83	766261	15.34
ZZZZZZ	317055	7.66	1512238	9.83	845380	15.34
ZZZZZZ	251178	7.66	1215809	9.82	666668	15.34
ZZZZZZ	230311	7.66	1156543	9.83	679432	15.34
JE2487-1	220726	7.66	1092546	9.83	537900[d]	15.34
JE2487-3	291529	7.66	1382771	9.83	744927	15.34
JE2487-5	240627	7.66	1181267	9.83	594136	15.34
JE2487-6	301213	7.66	1412528	9.83	731117	15.34
ZZZZZZ	246841	7.66	1192646	9.83	654848	15.34
ZZZZZZ	232490	7.66	1140245	9.82	659764	15.34

IS 1 = Bromochloromethane
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5

(a) Upper Limit = + 40% of check standard area; Retention time + 0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.
(c) reclean
(d) Outside control limits due to matrix interference.

Internal Standard Area Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Check Std:	V5W2138-CC2125	**Injection Date:**	12/23/24
Lab File ID:	5W55819.D	**Injection Time:**	09:11
Instrument ID:	GCMS5W	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	263070	7.67	1217301	9.83	738303	15.34
Upper Limit [a]	368298	8.00	1704221	10.16	1033624	15.67
Lower Limit [b]	157842	7.34	730381	9.50	442982	15.01

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
V5W2138-BS	261510	7.66	1220164	9.83	739045	15.34
V5W2138-BSD	260595	7.66	1218483	9.83	736456	15.34
V5W2138-MB	311710	7.66	1493158	9.82	781178	15.33
V5W2138-SCC	321306	7.66	1506173	9.82	782137	15.33
JE2315-1	245399	7.66	1205702	9.83	682878	15.33
JE2315-1DUP	217553	7.66	1077292	9.83	621263	15.33
JE2487-1	208762	7.66	1039636	9.82	572065	15.34
JE2487-5	201543	7.67	1000655	9.83	551430	15.34
ZZZZZZ	211041	7.66	1036893	9.83	471557	15.34
ZZZZZZ	215745	7.66	1039188	9.83	542678	15.34
ZZZZZZ	244806	7.66	1174993	9.83	645042	15.34
ZZZZZZ	195304	7.67	959920	9.83	520023	15.34
ZZZZZZ	186533	7.66	914542	9.83	530709	15.33
ZZZZZZ	190196	7.67	938311	9.83	539199	15.34
ZZZZZZ	194798	7.67	962979	9.83	555481	15.34
ZZZZZZ	182844	7.66	924573	9.83	542563	15.34
ZZZZZZ	195003	7.67	985329	9.83	573135	15.34
ZZZZZZ	203928	7.66	1010745	9.83	575284	15.34
ZZZZZZ	207550	7.66	1034387	9.83	595518	15.34
ZZZZZZ	0*	0.00*	0*	0.00*	0*	0.00*

IS 1 = Bromochloromethane
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5

(a) Upper Limit = + 40% of check standard area; Retention time + 0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.

Internal Standard Area Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Check Std:	V7W379-CC305	**Injection Date:**	11/06/24
Lab File ID:	7W10299.D	**Injection Time:**	09:06
Instrument ID:	GCMS7W	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	56421	3.27	285763	4.55	259568	10.13
Upper Limit [a]	78989	3.60	400068	4.88	363395	10.46
Lower Limit [b]	33853	2.94	171458	4.22	155741	9.80

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
V7W379-BS	55418	3.27	277611	4.55	253160	10.12
V7W379-BSD	55927	3.28	282163	4.56	256452	10.12
V7W379-MB	58077	3.28	294303	4.55	263172	10.12
JD98975-1	51888	3.28	265625	4.56	242726	10.12
JD98975-1DUP	51878	3.28	259189	4.56	244442	10.12
ZZZZZZ	51104	3.28	258158	4.56	244994	10.13
ZZZZZZ	54429	3.28	278529	4.55	255637	10.12
ZZZZZZ	51903	3.28	263013	4.56	248985	10.12
ZZZZZZ	50742	3.28	256658	4.56	243506	10.12
ZZZZZZ	50543	3.28	245453	4.56	240703	10.12
V7W379-SCC	58999	3.27	298005	4.55	265842	10.12
V7W379-SCC	57933	3.27	291748	4.55	260201	10.12
V7W379-SCC	58959	3.28	296038	4.56	264212	10.12
V7W379-SCC	59613	3.27	299056	4.55	268365	10.12
V7W379-SCC	58595	3.28	297956	4.55	266975	10.12
V7W379-SCC	58254	3.27	297841	4.55	264347	10.12
V7W379-SCC	58795	3.28	299586	4.55	267947	10.12
V7W379-SCC	59451	3.28	303875	4.55	271981	10.12
V7W379-SCC	57947	3.27	295202	4.55	266238	10.12
V7W379-SCC	57742	3.28	296372	4.56	269599	10.12
V7W379-SCC	57605	3.28	294963	4.55	267997	10.12
V7W379-SCC	54788	3.27	281581	4.55	255676	10.12
V7W379-SCC	55630	3.27	283149	4.55	256605	10.12
V7W379-SCC	54061	3.27	275223	4.55	248934	10.12
V7W379-SCC	55539	3.27	284068	4.55	254580	10.12
V7W379-SCC	56664	3.28	289285	4.55	260091	10.12
V7W379-SCC	56395	3.28	286264	4.55	259515	10.12
V7W379-SCC	54568	3.27	279632	4.55	252683	10.12
V7W379-SCC	57534	3.28	291775	4.55	260760	10.12
V7W379-SCC	56144	3.28	289091	4.55	261658	10.13
V7W379-SCC	55864	3.27	284151	4.55	257760	10.12
V7W379-SCC	55969	3.28	285237	4.55	255717	10.12

IS 1 = Bromochloromethane
IS 2 = 1,4-Difluorobenzene

Internal Standard Area Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Check Std:	V7W379-CC305	**Injection Date:**	11/06/24
Lab File ID:	7W10299.D	**Injection Time:**	09:06
Instrument ID:	GCMS7W	**Method:**	TO-15

Lab Sample ID	IS 1 AREA	IS 1 RT	IS 2 AREA	IS 2 RT	IS 3 AREA	IS 3 RT

IS 3 = Chlorobenzene-D5

(a) Upper Limit = + 40% of check standard area; Retention time + 0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.

Internal Standard Area Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Check Std:	V7W387-CC305	**Injection Date:**	11/18/24
Lab File ID:	7W10576.D	**Injection Time:**	09:35
Instrument ID:	GCMS7W	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	60785	3.28	318407	4.55	291110	10.12
Upper Limit [a]	85099	3.61	445770	4.88	407554	10.45
Lower Limit [b]	36471	2.95	191044	4.22	174666	9.79

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
V7W387-BS	59927	3.27	307732	4.55	281115	10.12
V7W387-BSD	59448	3.28	304227	4.55	275746	10.12
V7W387-MB	64026	3.28	327182	4.55	306459	10.12
JD99820-1	56665	3.28	288174	4.56	265558	10.12
JD99820-1DUP	55698	3.28	286506	4.56	262400	10.12
ZZZZZZ	57230	3.28	293974	4.56	269278	10.12
ZZZZZZ	57892	3.28	293943	4.56	268382	10.13
ZZZZZZ	55173	3.28	281652	4.56	256840	10.12
ZZZZZZ	56414	3.28	290642	4.56	266690	10.12
ZZZZZZ	55175	3.28	282753	4.56	261195	10.12
ZZZZZZ	56321	3.28	288236	4.56	267074	10.12
ZZZZZZ	55592	3.28	280028	4.56	258953	10.12
ZZZZZZ	59195	3.28	306746	4.56	279352	10.13
ZZZZZZ	54414	3.28	279296	4.56	256561	10.12
ZZZZZZ	53395	3.28	262918	4.56	253725	10.12
ZZZZZZ	58851	3.28	302770	4.56	278405	10.12
ZZZZZZ	60842	3.28	310928	4.56	285512	10.12
ZZZZZZ	60530	3.28	314864	4.56	285718	10.13
ZZZZZZ	57253	3.28	296182	4.56	271095	10.12
ZZZZZZ	55936	3.28	289486	4.55	263402	10.12
V7W387-SCC	58656	3.28	295685	4.56	265930	10.12
V7W387-SCC	60454	3.27	305996	4.55	275902	10.12
V7W387-SCC	61555	3.28	303415	4.55	282366	10.12
V7W387-SCC	63209	3.28	314760	4.55	280011	10.12
V7W387-SCC	65323	3.28	322265	4.55	287974	10.12
ZZZZZZ	56492	3.28	288918	4.56	272258	10.12

IS 1 = Bromochloromethane
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5

(a) Upper Limit = + 40% of check standard area; Retention time + 0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.

Internal Standard Area Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Check Std:	V7W392-CC305	**Injection Date:**	11/25/24
Lab File ID:	7W10743.D	**Injection Time:**	09:11
Instrument ID:	GCMS7W	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	72713	3.27	383789	4.55	314273	10.12
Upper Limit [a]	101798	3.60	537305	4.88	439982	10.45
Lower Limit [b]	43628	2.94	230273	4.22	188564	9.79

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
V7W392-BS	72768	3.27	382948	4.55	316986	10.12
V7W392-BSD	73571	3.27	390728	4.55	328697	10.12
V7W392-MB	77496	3.27	407451	4.55	332375	10.12
ZZZZZZ	70134	3.29	377860	4.57	313611	10.13
ZZZZZZ	66825	3.29	363077	4.57	303014	10.13
ZZZZZZ	61291	3.29	333551	4.57	281900	10.12
ZZZZZZ	59927	3.29	321484	4.56	275765	10.13
ZZZZZZ	60563	3.28	323816	4.56	275730	10.13
JE994-2	61272	3.32	354889	4.59	300529	10.13
ZZZZZZ	56502	3.27	334521	4.60	295346	10.14
ZZZZZZ	59682	3.29	335723	4.57	286843	10.13
ZZZZZZ	52994	3.28	289969	4.56	248230	10.13
ZZZZZZ	54075	3.28	285122	4.56	238672	10.12
ZZZZZZ	49318	3.28	271433	4.56	230382	10.12
ZZZZZZ	50588	3.28	269595	4.56	222162	10.12
ZZZZZZ	48508	3.28	263253	4.56	230371	10.12
JE1061-10	47637	3.28	253998	4.55	215224	10.12
ZZZZZZ	52252	3.28	279608	4.55	230161	10.12
ZZZZZZ	50070	3.28	267272	4.55	202380	10.12
ZZZZZZ	52376	3.29	269271	4.57	232208	10.13
ZZZZZZ	47233	3.30	316292	4.58	248242	10.14
V7W392-SCC	60827	3.27	320474	4.55	270203	10.12
V7W392-SCC	62704	3.28	329972	4.56	276956	10.12
V7W392-SCC	63803	3.28	333810	4.55	275663	10.12
V7W392-SCC	61251	3.28	323759	4.56	273041	10.12
V7W392-SCC	55670	3.28	294531	4.55	228023	10.12
JE1061-10DUP	45516	3.28	236865	4.56	223436	10.12

IS 1 = Bromochloromethane
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5

(a) Upper Limit = + 40% of check standard area; Retention time + 0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W3499-IC3499	3W88655.D	09/09/24 03:09	BK	0.04	GCMS3W	TO-15	Reporting this level
V3W3499-IC3499	3W88656.D	09/09/24 03:49	BK	0.1	GCMS3W	TO-15	
V3W3499-IC3499	3W88657.D	09/09/24 04:30	BK	0.2	GCMS3W	TO-15	
V3W3499-IC3499	3W88659.D	09/09/24 05:54	BK	0.5	GCMS3W	TO-15	
V3W3499-IC3499	3W88661.D	09/09/24 07:18	BK	5	GCMS3W	TO-15	
V3W3499-ICC3499	3W88662.D	09/09/24 07:57	BK	10	GCMS3W	TO-15	
V3W3499-IC3499	3W88663.D	09/09/24 08:38	BK	20	GCMS3W	TO-15	
V3W3499-IC3499	3W88664.D	09/09/24 09:22	BK	40	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	5.22	7.49	0.697	ok	0.691	0.631-0.751
Acrolein	5.06	7.49	0.676	ok	0.673	0.613-0.733
Acrylonitrile	5.47	7.49	0.730	ok	0.728	0.668-0.788
Acetonitrile	4.99	7.49	0.666	ok	0.661	0.601-0.721
1,3-Butadiene	4.39	7.49	0.586	ok	0.587	0.527-0.647
Benzene	8.89	9.21	0.965	ok	0.966	0.906-1.026
Bromobenzene	15.40	13.48	1.142	ok	1.141	1.081-1.201
Bromodichloromethane	9.83	9.21	1.067	ok	1.068	1.008-1.128
Bromoform	14.21	13.48	1.054	ok	1.054	0.994-1.114
Bromomethane	4.58	7.49	0.611	ok	0.611	0.551-0.671
Bromoethene	4.94	7.49	0.660	ok	0.658	0.598-0.718
n-Butane	4.42	7.49	0.590	ok	0.591	0.531-0.651
Benzyl Chloride	16.83	13.48	1.249	ok	1.248	1.188-1.308
n-Butylbenzene	17.68	13.48	1.312	ok	1.311	1.251-1.371
sec-Butylbenzene	16.98	13.48	1.260	ok	1.259	1.199-1.319
tert-Butylbenzene	16.65	13.48	1.235	ok	1.235	1.175-1.295
Carbon disulfide	6.01	7.49	0.802	ok	0.802	0.742-0.862
Chlorobenzene	13.53	13.48	1.004	ok	1.004	0.944-1.064
Chloroethane	4.69	7.49	0.626	ok	0.626	0.566-0.686
Chlorotrifluoroethene	4.00	7.49	0.534	ok	0.534	0.474-0.594
Chloroform	7.60	7.49	1.015	ok	1.015	0.955-1.075
Chloromethane	4.16	7.49	0.555	ok	0.555	0.495-0.615
3-Chloropropene	5.86	7.49	0.782	ok	0.782	0.722-0.842
2-Chlorotoluene	15.86	13.48	1.177	ok	1.176	1.116-1.236
Carbon tetrachloride	9.03	7.49	1.206	ok	1.205	1.145-1.265
Cyclohexane	9.14	9.21	0.992	ok	0.992	0.932-1.052
1,1-Dichloroethane	6.65	7.49	0.888	ok	0.888	0.828-0.948
1,1-Dichloroethylene	5.67	7.49	0.757	ok	0.757	0.697-0.817
1,2-Dibromoethane (EDB)	12.36	13.48	0.917	ok	0.916	0.856-0.976
1,2-Dichloroethane	8.25	7.49	1.101	ok	1.101	1.041-1.161
1,2-Dichloropropane	9.66	9.21	1.049	ok	1.049	0.989-1.109
1,3-Dichloropropane	11.71	9.21	1.271	ok	1.271	1.211-1.331
1,4-Dioxane	10.07	9.21	1.093	ok	1.085	1.025-1.145
Dichlorodifluoromethane	4.04	7.49	0.539	ok	0.540	0.480-0.600
Dichlorofluoromethane	4.74	7.49	0.633	ok	0.633	0.573-0.693
Dibromochloromethane	12.10	13.48	0.898	ok	0.897	0.837-0.957
Dibromomethane	9.62	9.21	1.045	ok	1.046	0.986-1.106
trans-1,2-Dichloroethylene	6.49	7.49	0.866	ok	0.866	0.806-0.926
cis-1,2-Dichloroethylene	7.35	7.49	0.981	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	10.70	9.21	1.162	ok	1.162	1.102-1.222

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W3499-IC3499	3W88655.D	09/09/24 03:09	BK	0.04	GCMS3W	TO-15	Reporting this level
V3W3499-IC3499	3W88656.D	09/09/24 03:49	BK	0.1	GCMS3W	TO-15	
V3W3499-IC3499	3W88657.D	09/09/24 04:30	BK	0.2	GCMS3W	TO-15	
V3W3499-IC3499	3W88659.D	09/09/24 05:54	BK	0.5	GCMS3W	TO-15	
V3W3499-IC3499	3W88661.D	09/09/24 07:18	BK	5	GCMS3W	TO-15	
V3W3499-ICC3499	3W88662.D	09/09/24 07:57	BK	10	GCMS3W	TO-15	
V3W3499-IC3499	3W88663.D	09/09/24 08:38	BK	20	GCMS3W	TO-15	
V3W3499-IC3499	3W88664.D	09/09/24 09:22	BK	40	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
m-Dichlorobenzene	16.84	13.48	1.249	ok	1.249	1.189-1.309
o-Dichlorobenzene	17.34	13.48	1.286	ok	1.285	1.225-1.345
p-Dichlorobenzene	16.93	13.48	1.256	ok	1.255	1.195-1.315
trans-1,3-Dichloropropene	11.23	9.21	1.219	ok	1.219	1.159-1.279
Di-Isopropyl ether	7.62	7.49	1.017	ok	1.010	0.950-1.070
2,3-Dimethylpentane	9.36	9.21	1.016	ok	1.015	0.955-1.075
2,4-Dimethylpentane	8.28	7.49	1.105	ok	1.105	1.045-1.165
Ethanol	4.86	7.49	0.649	ok	0.645	0.585-0.705
Ethylbenzene	13.94	13.48	1.034	ok	1.033	0.973-1.093
Ethyl Acetate	7.64	7.49	1.020	ok	1.014	0.954-1.074
Ethyl Acrylate	9.72	9.21	1.055	ok	1.053	0.993-1.113
4-Ethyltoluene	16.17	13.48	1.200	ok	1.193	1.133-1.253
Freon 113	5.95	7.49	0.794	ok	0.794	0.734-0.854
Freon 114	4.23	7.49	0.565	ok	0.564	0.504-0.624
Freon 115	3.87	7.49	0.517	ok	0.517	0.457-0.577
Freon 123	5.02	7.49	0.670	ok	0.670	0.610-0.730
Freon 123A	5.05	7.49	0.674	ok	0.674	0.614-0.734
Freon 142B	4.14	7.49	0.553	ok	0.553	0.493-0.613
Freon 152A	3.94	7.49	0.526	ok	0.527	0.467-0.587
Heptane	10.14	9.21	1.101	ok	1.101	1.041-1.161
Hexachlorobutadiene	19.90	13.48	1.476	ok	1.476	1.416-1.536
Hexachloroethane	18.13	13.48	1.345	ok	1.344	1.284-1.404
Hexane	7.50	7.49	1.001	ok	1.001	0.941-1.061
2-Hexanone	12.05	13.48	0.894	ok	0.891	0.831-0.951
Iodomethane	5.64	7.49	0.753	ok	0.752	0.692-0.812
Isopropylbenzene	15.31	13.48	1.136	ok	1.135	1.075-1.195
Isopropyl Alcohol	5.42	7.49	0.724	ok	0.718	0.658-0.778
p-Isopropyltoluene	17.18	13.48	1.274	ok	1.274	1.214-1.334
Methylene chloride	5.76	7.49	0.769	ok	0.769	0.709-0.829
Methyl ethyl ketone	7.13	7.49	0.952	ok	0.943	0.883-1.003
Methyl Isobutyl Ketone	10.86	9.21	1.179	ok	1.175	1.115-1.235
Methyl Tert Butyl Ether	6.83	7.49	0.912	ok	0.905	0.845-0.965
Methylmethacrylate	10.11	9.21	1.098	ok	1.096	1.036-1.156
Naphthalene	19.49	13.48	1.446	ok	1.445	1.385-1.505
Nonane	14.88	13.48	1.104	ok	1.104	1.044-1.164
Octane	12.68	13.48	0.941	ok	0.940	0.880-1.000
Pentane	5.45	7.49	0.728	ok	0.728	0.668-0.788
n-Propylbenzene	15.91	13.48	1.180	ok	1.179	1.119-1.239
Propylene	4.00	7.49	0.534	ok	0.533	0.473-0.593
Styrene	14.53	13.48	1.078	ok	1.077	1.017-1.137

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W3499-IC3499	3W88655.D	09/09/24 03:09	BK	0.04	GCMS3W	TO-15	Reporting this level
V3W3499-IC3499	3W88656.D	09/09/24 03:49	BK	0.1	GCMS3W	TO-15	
V3W3499-IC3499	3W88657.D	09/09/24 04:30	BK	0.2	GCMS3W	TO-15	
V3W3499-IC3499	3W88659.D	09/09/24 05:54	BK	0.5	GCMS3W	TO-15	
V3W3499-IC3499	3W88661.D	09/09/24 07:18	BK	5	GCMS3W	TO-15	
V3W3499-ICC3499	3W88662.D	09/09/24 07:57	BK	10	GCMS3W	TO-15	
V3W3499-IC3499	3W88663.D	09/09/24 08:38	BK	20	GCMS3W	TO-15	
V3W3499-IC3499	3W88664.D	09/09/24 09:22	BK	40	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
1,1,1-Trichloroethane	8.47	7.49	1.131	ok	1.131	1.071-1.191
1,1,1,2-Tetrachloroethane	13.52	13.48	1.003	ok	1.003	0.943-1.063
1,1,2,2-Tetrachloroethane	14.65	13.48	1.087	ok	1.085	1.025-1.145
1,1,2-Trichloroethane	11.40	9.21	1.238	ok	1.238	1.178-1.298
1,2,4-Trichlorobenzene	19.36	13.48	1.436	ok	1.436	1.376-1.496
1,2,3-Trichloropropane	14.78	13.48	1.096	ok	1.096	1.036-1.156
1,2,3-Trimethylbenzene	17.18	13.48	1.274	ok	1.274	1.214-1.334
1,2,4-Trimethylbenzene	16.67	13.48	1.237	ok	1.236	1.176-1.296
1,3,5-Trimethylbenzene	16.17	13.48	1.200	ok	1.199	1.139-1.259
2,2,4-Trimethylpentane	9.89	9.21	1.074	ok	1.075	1.015-1.135
Tertiary Butyl Alcohol	5.93	7.49	0.792	ok	0.784	0.724-0.844
Tetrachloroethylene	12.83	13.48	0.952	ok	0.951	0.891-1.011
Tetrahydrofuran	8.09	7.49	1.080	ok	1.074	1.014-1.134
Toluene	11.68	9.21	1.268	ok	1.268	1.208-1.328
Trichloroethylene	9.88	9.21	1.073	ok	1.072	1.012-1.132
Trichlorofluoromethane	5.20	7.49	0.694	ok	0.696	0.636-0.756
Vinyl chloride	4.31	7.49	0.575	ok	0.574	0.514-0.634
Vinyl Acetate	6.82	7.49	0.911	ok	0.907	0.847-0.967
m,p-Xylene	14.12	13.48	1.047	ok	1.048	0.988-1.108
o-Xylene	14.65	13.48	1.087	ok	1.086	1.026-1.146
TVHC As Equiv Pentane	5.46	13.48	0.405	ok	0.404	0.344-0.464

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.49	ok	7.49	7.16-7.82	105684	ok	104071	62443-145699
1,4-Difluorobenzene	9.21	ok	9.21	8.88-9.54	519147	ok	522754	313652-731856
Chlorobenzene-D5	13.48	ok	13.49	13.16-13.82	286700	ok	315123	189074-441172

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W3499-IC3499	3W88655.D	09/09/24 03:09	BK	0.04	GCMS3W	TO-15	
V3W3499-IC3499	3W88656.D	09/09/24 03:49	BK	0.1	GCMS3W	TO-15	Reporting this level
V3W3499-IC3499	3W88657.D	09/09/24 04:30	BK	0.2	GCMS3W	TO-15	
V3W3499-IC3499	3W88659.D	09/09/24 05:54	BK	0.5	GCMS3W	TO-15	
V3W3499-IC3499	3W88661.D	09/09/24 07:18	BK	5	GCMS3W	TO-15	
V3W3499-ICC3499	3W88662.D	09/09/24 07:57	BK	10	GCMS3W	TO-15	
V3W3499-IC3499	3W88663.D	09/09/24 08:38	BK	20	GCMS3W	TO-15	
V3W3499-IC3499	3W88664.D	09/09/24 09:22	BK	40	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	5.22	7.49	0.697	ok	0.691	0.631-0.751
Acrolein	5.06	7.49	0.676	ok	0.673	0.613-0.733
Acrylonitrile	5.47	7.49	0.730	ok	0.728	0.668-0.788
Acetonitrile	4.97	7.49	0.664	ok	0.661	0.601-0.721
1,3-Butadiene	4.41	7.49	0.589	ok	0.587	0.527-0.647
Benzene	8.90	9.21	0.966	ok	0.966	0.906-1.026
Bromobenzene	15.39	13.49	1.141	ok	1.141	1.081-1.201
Bromodichloromethane	9.84	9.21	1.068	ok	1.068	1.008-1.128
Bromoform	14.22	13.49	1.054	ok	1.054	0.994-1.114
Bromomethane	4.57	7.49	0.610	ok	0.611	0.551-0.671
Bromoethene	4.92	7.49	0.657	ok	0.658	0.598-0.718
n-Butane	4.43	7.49	0.591	ok	0.591	0.531-0.651
Benzyl Chloride	16.83	13.49	1.248	ok	1.248	1.188-1.308
n-Butylbenzene	17.69	13.49	1.311	ok	1.311	1.251-1.371
sec-Butylbenzene	16.98	13.49	1.259	ok	1.259	1.199-1.319
tert-Butylbenzene	16.66	13.49	1.235	ok	1.235	1.175-1.295
Carbon disulfide	6.01	7.49	0.802	ok	0.802	0.742-0.862
Chlorobenzene	13.54	13.49	1.004	ok	1.004	0.944-1.064
Chlorodifluoromethane	3.97	7.49	0.530	ok	0.531	0.471-0.591
Chloroethane	4.69	7.49	0.626	ok	0.626	0.566-0.686
Chlorotrifluoroethene	4.00	7.49	0.534	ok	0.534	0.474-0.594
Chloroform	7.60	7.49	1.015	ok	1.015	0.955-1.075
Chloromethane	4.16	7.49	0.555	ok	0.555	0.495-0.615
3-Chloropropene	5.86	7.49	0.782	ok	0.782	0.722-0.842
2-Chlorotoluene	15.86	13.49	1.176	ok	1.176	1.116-1.236
Carbon tetrachloride	9.03	7.49	1.206	ok	1.205	1.145-1.265
Cyclohexane	9.13	9.21	0.991	ok	0.992	0.932-1.052
1,1-Dichloroethane	6.65	7.49	0.888	ok	0.888	0.828-0.948
1,1-Dichloroethylene	5.68	7.49	0.758	ok	0.757	0.697-0.817
1,2-Dibromoethane (EDB)	12.36	13.49	0.916	ok	0.916	0.856-0.976
1,2-Dichloroethane	8.25	7.49	1.101	ok	1.101	1.041-1.161
1,2-Dichloropropane	9.66	9.21	1.049	ok	1.049	0.989-1.109
1,3-Dichloropropane	11.71	9.21	1.271	ok	1.271	1.211-1.331
1,4-Dioxane	10.06	9.21	1.092	ok	1.085	1.025-1.145
Dichlorodifluoromethane	4.05	7.49	0.541	ok	0.540	0.480-0.600
Dichlorofluoromethane	4.75	7.49	0.634	ok	0.633	0.573-0.693
Dibromochloromethane	12.10	13.49	0.897	ok	0.897	0.837-0.957
Dibromomethane	9.63	9.21	1.046	ok	1.046	0.986-1.106
trans-1,2-Dichloroethylene	6.48	7.49	0.865	ok	0.866	0.806-0.926
cis-1,2-Dichloroethylene	7.34	7.49	0.980	ok	0.981	0.921-1.041

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W3499-IC3499	3W88655.D	09/09/24 03:09	BK	0.04	GCMS3W	TO-15	
V3W3499-IC3499	3W88656.D	09/09/24 03:49	BK	0.1	GCMS3W	TO-15	Reporting this level
V3W3499-IC3499	3W88657.D	09/09/24 04:30	BK	0.2	GCMS3W	TO-15	
V3W3499-IC3499	3W88659.D	09/09/24 05:54	BK	0.5	GCMS3W	TO-15	
V3W3499-IC3499	3W88661.D	09/09/24 07:18	BK	5	GCMS3W	TO-15	
V3W3499-ICC3499	3W88662.D	09/09/24 07:57	BK	10	GCMS3W	TO-15	
V3W3499-IC3499	3W88663.D	09/09/24 08:38	BK	20	GCMS3W	TO-15	
V3W3499-IC3499	3W88664.D	09/09/24 09:22	BK	40	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,3-Dichloropropene	10.70	9.21	1.162	ok	1.162	1.102-1.222
m-Dichlorobenzene	16.84	13.49	1.248	ok	1.249	1.189-1.309
o-Dichlorobenzene	17.33	13.49	1.285	ok	1.285	1.225-1.345
p-Dichlorobenzene	16.92	13.49	1.254	ok	1.255	1.195-1.315
trans-1,3-Dichloropropene	11.23	9.21	1.219	ok	1.219	1.159-1.279
Di-Isopropyl ether	7.60	7.49	1.015	ok	1.010	0.950-1.070
2,3-Dimethylpentane	9.36	9.21	1.016	ok	1.015	0.955-1.075
2,4-Dimethylpentane	8.28	7.49	1.105	ok	1.105	1.045-1.165
Ethanol	4.87	7.49	0.650	ok	0.645	0.585-0.705
Ethylbenzene	13.94	13.49	1.033	ok	1.033	0.973-1.093
Ethyl Acetate	7.64	7.49	1.020	ok	1.014	0.954-1.074
Ethyl Acrylate	9.72	9.21	1.055	ok	1.053	0.993-1.113
4-Ethyltoluene	16.08	13.49	1.192	ok	1.193	1.133-1.253
Freon 113	5.95	7.49	0.794	ok	0.794	0.734-0.854
Freon 114	4.22	7.49	0.563	ok	0.564	0.504-0.624
Freon 115	3.87	7.49	0.517	ok	0.517	0.457-0.577
Freon 123	5.02	7.49	0.670	ok	0.670	0.610-0.730
Freon 123A	5.05	7.49	0.674	ok	0.674	0.614-0.734
Freon 142B	4.14	7.49	0.553	ok	0.553	0.493-0.613
Freon 152A	3.95	7.49	0.527	ok	0.527	0.467-0.587
Heptane	10.14	9.21	1.101	ok	1.101	1.041-1.161
Hexachlorobutadiene	19.90	13.49	1.475	ok	1.476	1.416-1.536
Hexachloroethane	18.13	13.49	1.344	ok	1.344	1.284-1.404
Hexane	7.50	7.49	1.001	ok	1.001	0.941-1.061
2-Hexanone	12.05	13.49	0.893	ok	0.891	0.831-0.951
Iodomethane	5.64	7.49	0.753	ok	0.752	0.692-0.812
Isopropylbenzene	15.30	13.49	1.134	ok	1.135	1.075-1.195
Isopropyl Alcohol	5.42	7.49	0.724	ok	0.718	0.658-0.778
p-Isopropyltoluene	17.18	13.49	1.274	ok	1.274	1.214-1.334
Methylene chloride	5.76	7.49	0.769	ok	0.769	0.709-0.829
Methyl ethyl ketone	7.11	7.49	0.949	ok	0.943	0.883-1.003
Methyl Isobutyl Ketone	10.86	9.21	1.179	ok	1.175	1.115-1.235
Methyl Tert Butyl Ether	6.82	7.49	0.911	ok	0.905	0.845-0.965
Methylmethacrylate	10.12	9.21	1.099	ok	1.096	1.036-1.156
Naphthalene	19.49	13.49	1.445	ok	1.445	1.385-1.505
Nonane	14.89	13.49	1.104	ok	1.104	1.044-1.164
Octane	12.68	13.49	0.940	ok	0.940	0.880-1.000
Pentane	5.46	7.49	0.729	ok	0.728	0.668-0.788
n-Propylbenzene	15.90	13.49	1.179	ok	1.179	1.119-1.239
Propylene	4.00	7.49	0.534	ok	0.533	0.473-0.593

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W3499-IC3499	3W88655.D	09/09/24 03:09	BK	0.04	GCMS3W	TO-15	
V3W3499-IC3499	3W88656.D	09/09/24 03:49	BK	0.1	GCMS3W	TO-15	Reporting this level
V3W3499-IC3499	3W88657.D	09/09/24 04:30	BK	0.2	GCMS3W	TO-15	
V3W3499-IC3499	3W88659.D	09/09/24 05:54	BK	0.5	GCMS3W	TO-15	
V3W3499-IC3499	3W88661.D	09/09/24 07:18	BK	5	GCMS3W	TO-15	
V3W3499-ICC3499	3W88662.D	09/09/24 07:57	BK	10	GCMS3W	TO-15	
V3W3499-IC3499	3W88663.D	09/09/24 08:38	BK	20	GCMS3W	TO-15	
V3W3499-IC3499	3W88664.D	09/09/24 09:22	BK	40	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Styrene	14.52	13.49	1.076	ok	1.077	1.017-1.137
1,1,1-Trichloroethane	8.47	7.49	1.131	ok	1.131	1.071-1.191
1,1,1,2-Tetrachloroethane	13.52	13.49	1.002	ok	1.003	0.943-1.063
1,1,2,2-Tetrachloroethane	14.64	13.49	1.085	ok	1.085	1.025-1.145
1,1,2-Trichloroethane	11.40	9.21	1.238	ok	1.238	1.178-1.298
1,2,4-Trichlorobenzene	19.36	13.49	1.435	ok	1.436	1.376-1.496
1,2,3-Trichloropropane	14.79	13.49	1.096	ok	1.096	1.036-1.156
1,2,3-Trimethylbenzene	17.18	13.49	1.274	ok	1.274	1.214-1.334
1,2,4-Trimethylbenzene	16.67	13.49	1.236	ok	1.236	1.176-1.296
1,3,5-Trimethylbenzene	16.18	13.49	1.199	ok	1.199	1.139-1.259
2,2,4-Trimethylpentane	9.90	9.21	1.075	ok	1.075	1.015-1.135
Tertiary Butyl Alcohol	5.93	7.49	0.792	ok	0.784	0.724-0.844
Tetrachloroethylene	12.83	13.49	0.951	ok	0.951	0.891-1.011
Tetrahydrofuran	8.09	7.49	1.080	ok	1.074	1.014-1.134
Toluene	11.68	9.21	1.268	ok	1.268	1.208-1.328
Trichloroethylene	9.87	9.21	1.072	ok	1.072	1.012-1.132
Trichlorofluoromethane	5.21	7.49	0.696	ok	0.696	0.636-0.756
Vinyl chloride	4.30	7.49	0.574	ok	0.574	0.514-0.634
Vinyl Acetate	6.82	7.49	0.911	ok	0.907	0.847-0.967
m,p-Xylene	14.13	13.49	1.047	ok	1.048	0.988-1.108
o-Xylene	14.64	13.49	1.085	ok	1.086	1.026-1.146
TVHC As Equiv Pentane	5.45	13.49	0.404	ok	0.404	0.344-0.464

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.49	ok	7.49	7.16-7.82	103179	ok	104071	62443-145699
1,4-Difluorobenzene	9.21	ok	9.21	8.88-9.54	516349	ok	522754	313652-731856
Chlorobenzene-D5	13.49	ok	13.49	13.16-13.82	280788	ok	315123	189074-441172

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W3499-IC3499	3W88655.D	09/09/24 03:09	BK	0.04	GCMS3W	TO-15	
V3W3499-IC3499	3W88656.D	09/09/24 03:49	BK	0.1	GCMS3W	TO-15	
V3W3499-IC3499	3W88657.D	09/09/24 04:30	BK	0.2	GCMS3W	TO-15	Reporting this level
V3W3499-IC3499	3W88659.D	09/09/24 05:54	BK	0.5	GCMS3W	TO-15	
V3W3499-IC3499	3W88661.D	09/09/24 07:18	BK	5	GCMS3W	TO-15	
V3W3499-ICC3499	3W88662.D	09/09/24 07:57	BK	10	GCMS3W	TO-15	
V3W3499-IC3499	3W88663.D	09/09/24 08:38	BK	20	GCMS3W	TO-15	
V3W3499-IC3499	3W88664.D	09/09/24 09:22	BK	40	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	5.21	7.49	0.696	ok	0.691	0.631-0.751
Acrolein	5.06	7.49	0.676	ok	0.673	0.613-0.733
Acrylonitrile	5.47	7.49	0.730	ok	0.728	0.668-0.788
Acetonitrile	4.97	7.49	0.664	ok	0.661	0.601-0.721
1,3-Butadiene	4.40	7.49	0.587	ok	0.587	0.527-0.647
Benzene	8.89	9.21	0.965	ok	0.966	0.906-1.026
Bromobenzene	15.39	13.48	1.142	ok	1.141	1.081-1.201
Bromodichloromethane	9.84	9.21	1.068	ok	1.068	1.008-1.128
Bromoform	14.21	13.48	1.054	ok	1.054	0.994-1.114
Bromomethane	4.57	7.49	0.610	ok	0.611	0.551-0.671
Bromoethene	4.93	7.49	0.658	ok	0.658	0.598-0.718
n-Butane	4.43	7.49	0.591	ok	0.591	0.531-0.651
Benzyl Chloride	16.82	13.48	1.248	ok	1.248	1.188-1.308
n-Butylbenzene	17.69	13.48	1.312	ok	1.311	1.251-1.371
sec-Butylbenzene	16.98	13.48	1.260	ok	1.259	1.199-1.319
tert-Butylbenzene	16.65	13.48	1.235	ok	1.235	1.175-1.295
Carbon disulfide	6.01	7.49	0.802	ok	0.802	0.742-0.862
Chlorobenzene	13.54	13.48	1.004	ok	1.004	0.944-1.064
Chlorodifluoromethane	3.98	7.49	0.531	ok	0.531	0.471-0.591
Chloroethane	4.69	7.49	0.626	ok	0.626	0.566-0.686
Chlorotrifluoroethene	4.00	7.49	0.534	ok	0.534	0.474-0.594
Chloroform	7.60	7.49	1.015	ok	1.015	0.955-1.075
Chloromethane	4.16	7.49	0.555	ok	0.555	0.495-0.615
3-Chloropropene	5.85	7.49	0.781	ok	0.782	0.722-0.842
2-Chlorotoluene	15.86	13.48	1.177	ok	1.176	1.116-1.236
Carbon tetrachloride	9.03	7.49	1.206	ok	1.205	1.145-1.265
Cyclohexane	9.13	9.21	0.991	ok	0.992	0.932-1.052
1,1-Dichloroethane	6.65	7.49	0.888	ok	0.888	0.828-0.948
1,1-Dichloroethylene	5.67	7.49	0.757	ok	0.757	0.697-0.817
1,2-Dibromoethane (EDB)	12.36	13.48	0.917	ok	0.916	0.856-0.976
1,2-Dichloroethane	8.25	7.49	1.101	ok	1.101	1.041-1.161
1,2-Dichloropropane	9.66	9.21	1.049	ok	1.049	0.989-1.109
1,3-Dichloropropane	11.71	9.21	1.271	ok	1.271	1.211-1.331
1,4-Dioxane	10.05	9.21	1.091	ok	1.085	1.025-1.145
Dichlorodifluoromethane	4.05	7.49	0.541	ok	0.540	0.480-0.600
Dichlorofluoromethane	4.74	7.49	0.633	ok	0.633	0.573-0.693
Dibromochloromethane	12.10	13.48	0.898	ok	0.897	0.837-0.957
Dibromomethane	9.63	9.21	1.046	ok	1.046	0.986-1.106
trans-1,2-Dichloroethylene	6.49	7.49	0.866	ok	0.866	0.806-0.926
cis-1,2-Dichloroethylene	7.34	7.49	0.980	ok	0.981	0.921-1.041

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W3499-IC3499	3W88655.D	09/09/24 03:09	BK	0.04	GCMS3W	TO-15	
V3W3499-IC3499	3W88656.D	09/09/24 03:49	BK	0.1	GCMS3W	TO-15	
V3W3499-IC3499	3W88657.D	09/09/24 04:30	BK	0.2	GCMS3W	TO-15	Reporting this level
V3W3499-IC3499	3W88659.D	09/09/24 05:54	BK	0.5	GCMS3W	TO-15	
V3W3499-IC3499	3W88661.D	09/09/24 07:18	BK	5	GCMS3W	TO-15	
V3W3499-ICC3499	3W88662.D	09/09/24 07:57	BK	10	GCMS3W	TO-15	
V3W3499-IC3499	3W88663.D	09/09/24 08:38	BK	20	GCMS3W	TO-15	
V3W3499-IC3499	3W88664.D	09/09/24 09:22	BK	40	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,3-Dichloropropene	10.71	9.21	1.163	ok	1.162	1.102-1.222
m-Dichlorobenzene	16.84	13.48	1.249	ok	1.249	1.189-1.309
o-Dichlorobenzene	17.33	13.48	1.286	ok	1.285	1.225-1.345
p-Dichlorobenzene	16.92	13.48	1.255	ok	1.255	1.195-1.315
trans-1,3-Dichloropropene	11.23	9.21	1.219	ok	1.219	1.159-1.279
Di-Isopropyl ether	7.60	7.49	1.015	ok	1.010	0.950-1.070
2,3-Dimethylpentane	9.35	9.21	1.015	ok	1.015	0.955-1.075
2,4-Dimethylpentane	8.28	7.49	1.105	ok	1.105	1.045-1.165
Ethanol	4.86	7.49	0.649	ok	0.645	0.585-0.705
Ethylbenzene	13.94	13.48	1.034	ok	1.033	0.973-1.093
Ethyl Acetate	7.63	7.49	1.019	ok	1.014	0.954-1.074
Ethyl Acrylate	9.72	9.21	1.055	ok	1.053	0.993-1.113
4-Ethyltoluene	16.08	13.48	1.193	ok	1.193	1.133-1.253
Freon 113	5.95	7.49	0.794	ok	0.794	0.734-0.854
Freon 114	4.23	7.49	0.565	ok	0.564	0.504-0.624
Freon 115	3.87	7.49	0.517	ok	0.517	0.457-0.577
Freon 123	5.02	7.49	0.670	ok	0.670	0.610-0.730
Freon 123A	5.06	7.49	0.676	ok	0.674	0.614-0.734
Freon 142B	4.14	7.49	0.553	ok	0.553	0.493-0.613
Freon 152A	3.95	7.49	0.527	ok	0.527	0.467-0.587
Heptane	10.14	9.21	1.101	ok	1.101	1.041-1.161
Hexachlorobutadiene	19.90	13.48	1.476	ok	1.476	1.416-1.536
Hexachloroethane	18.13	13.48	1.345	ok	1.344	1.284-1.404
Hexane	7.50	7.49	1.001	ok	1.001	0.941-1.061
2-Hexanone	12.04	13.48	0.893	ok	0.891	0.831-0.951
Iodomethane	5.64	7.49	0.753	ok	0.752	0.692-0.812
Isopropylbenzene	15.30	13.48	1.135	ok	1.135	1.075-1.195
Isopropyl Alcohol	5.42	7.49	0.724	ok	0.718	0.658-0.778
p-Isopropyltoluene	17.18	13.48	1.274	ok	1.274	1.214-1.334
Methylene chloride	5.76	7.49	0.769	ok	0.769	0.709-0.829
Methyl ethyl ketone	7.10	7.49	0.948	ok	0.943	0.883-1.003
Methyl Isobutyl Ketone	10.86	9.21	1.179	ok	1.175	1.115-1.235
Methyl Tert Butyl Ether	6.82	7.49	0.911	ok	0.905	0.845-0.965
Methylmethacrylate	10.11	9.21	1.098	ok	1.096	1.036-1.156
Naphthalene	19.49	13.48	1.446	ok	1.445	1.385-1.505
Nonane	14.89	13.48	1.105	ok	1.104	1.044-1.164
Octane	12.68	13.48	0.941	ok	0.940	0.880-1.000
Pentane	5.45	7.49	0.728	ok	0.728	0.668-0.788
n-Propylbenzene	15.91	13.48	1.180	ok	1.179	1.119-1.239
Propylene	4.00	7.49	0.534	ok	0.533	0.473-0.593

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W3499-IC3499	3W88655.D	09/09/24 03:09	BK	0.04	GCMS3W	TO-15	
V3W3499-IC3499	3W88656.D	09/09/24 03:49	BK	0.1	GCMS3W	TO-15	
V3W3499-IC3499	3W88657.D	09/09/24 04:30	BK	0.2	GCMS3W	TO-15	Reporting this level
V3W3499-IC3499	3W88659.D	09/09/24 05:54	BK	0.5	GCMS3W	TO-15	
V3W3499-IC3499	3W88661.D	09/09/24 07:18	BK	5	GCMS3W	TO-15	
V3W3499-ICC3499	3W88662.D	09/09/24 07:57	BK	10	GCMS3W	TO-15	
V3W3499-IC3499	3W88663.D	09/09/24 08:38	BK	20	GCMS3W	TO-15	
V3W3499-IC3499	3W88664.D	09/09/24 09:22	BK	40	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Styrene	14.52	13.48	1.077	ok	1.077	1.017-1.137
1,1,1-Trichloroethane	8.48	7.49	1.132	ok	1.131	1.071-1.191
1,1,1,2-Tetrachloroethane	13.52	13.48	1.003	ok	1.003	0.943-1.063
1,1,2,2-Tetrachloroethane	14.64	13.48	1.086	ok	1.085	1.025-1.145
1,1,2-Trichloroethane	11.40	9.21	1.238	ok	1.238	1.178-1.298
1,2,4-Trichlorobenzene	19.37	13.48	1.437	ok	1.436	1.376-1.496
1,2,3-Trichloropropane	14.79	13.48	1.097	ok	1.096	1.036-1.156
1,2,3-Trimethylbenzene	17.18	13.48	1.274	ok	1.274	1.214-1.334
1,2,4-Trimethylbenzene	16.67	13.48	1.237	ok	1.236	1.176-1.296
1,3,5-Trimethylbenzene	16.17	13.48	1.200	ok	1.199	1.139-1.259
2,2,4-Trimethylpentane	9.90	9.21	1.075	ok	1.075	1.015-1.135
Tertiary Butyl Alcohol	5.93	7.49	0.792	ok	0.784	0.724-0.844
Tetrachloroethylene	12.82	13.48	0.951	ok	0.951	0.891-1.011
Tetrahydrofuran	8.09	7.49	1.080	ok	1.074	1.014-1.134
Toluene	11.68	9.21	1.268	ok	1.268	1.208-1.328
Trichloroethylene	9.88	9.21	1.073	ok	1.072	1.012-1.132
Trichlorofluoromethane	5.21	7.49	0.696	ok	0.696	0.636-0.756
Vinyl chloride	4.30	7.49	0.574	ok	0.574	0.514-0.634
Vinyl Acetate	6.81	7.49	0.909	ok	0.907	0.847-0.967
m,p-Xylene	14.14	13.48	1.049	ok	1.048	0.988-1.108
o-Xylene	14.65	13.48	1.087	ok	1.086	1.026-1.146
TVHC As Equiv Pentane	5.46	13.48	0.405	ok	0.404	0.344-0.464

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.49	ok	7.49	7.16-7.82	101175	ok	104071	62443-145699
1,4-Difluorobenzene	9.21	ok	9.21	8.88-9.54	497986	ok	522754	313652-731856
Chlorobenzene-D5	13.48	ok	13.49	13.16-13.82	275478	ok	315123	189074-441172

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W3499-IC3499	3W88655.D	09/09/24 03:09	BK	0.04	GCMS3W	TO-15	
V3W3499-IC3499	3W88656.D	09/09/24 03:49	BK	0.1	GCMS3W	TO-15	
V3W3499-IC3499	3W88657.D	09/09/24 04:30	BK	0.2	GCMS3W	TO-15	
V3W3499-IC3499	3W88659.D	09/09/24 05:54	BK	0.5	GCMS3W	TO-15	Reporting this level
V3W3499-IC3499	3W88661.D	09/09/24 07:18	BK	5	GCMS3W	TO-15	
V3W3499-ICC3499	3W88662.D	09/09/24 07:57	BK	10	GCMS3W	TO-15	
V3W3499-IC3499	3W88663.D	09/09/24 08:38	BK	20	GCMS3W	TO-15	
V3W3499-IC3499	3W88664.D	09/09/24 09:22	BK	40	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	5.21	7.49	0.696	ok	0.691	0.631-0.751
Acrolein	5.06	7.49	0.676	ok	0.673	0.613-0.733
Acrylonitrile	5.47	7.49	0.730	ok	0.728	0.668-0.788
Acetonitrile	4.97	7.49	0.664	ok	0.661	0.601-0.721
1,3-Butadiene	4.39	7.49	0.586	ok	0.587	0.527-0.647
Benzene	8.89	9.21	0.965	ok	0.966	0.906-1.026
Bromobenzene	15.39	13.48	1.142	ok	1.141	1.081-1.201
Bromodichloromethane	9.84	9.21	1.068	ok	1.068	1.008-1.128
Bromoform	14.21	13.48	1.054	ok	1.054	0.994-1.114
Bromomethane	4.58	7.49	0.611	ok	0.611	0.551-0.671
Bromoethene	4.93	7.49	0.658	ok	0.658	0.598-0.718
n-Butane	4.42	7.49	0.590	ok	0.591	0.531-0.651
Benzyl Chloride	16.82	13.48	1.248	ok	1.248	1.188-1.308
n-Butylbenzene	17.69	13.48	1.312	ok	1.311	1.251-1.371
sec-Butylbenzene	16.98	13.48	1.260	ok	1.259	1.199-1.319
tert-Butylbenzene	16.65	13.48	1.235	ok	1.235	1.175-1.295
Carbon disulfide	6.01	7.49	0.802	ok	0.802	0.742-0.862
Chlorobenzene	13.53	13.48	1.004	ok	1.004	0.944-1.064
Chlorodifluoromethane	3.98	7.49	0.531	ok	0.531	0.471-0.591
Chloroethane	4.69	7.49	0.626	ok	0.626	0.566-0.686
Chlorotrifluoroethene	4.01	7.49	0.535	ok	0.534	0.474-0.594
Chloroform	7.60	7.49	1.015	ok	1.015	0.955-1.075
Chloromethane	4.16	7.49	0.555	ok	0.555	0.495-0.615
3-Chloropropene	5.86	7.49	0.782	ok	0.782	0.722-0.842
2-Chlorotoluene	15.86	13.48	1.177	ok	1.176	1.116-1.236
Carbon tetrachloride	9.03	7.49	1.206	ok	1.205	1.145-1.265
Cyclohexane	9.14	9.21	0.992	ok	0.992	0.932-1.052
1,1-Dichloroethane	6.65	7.49	0.888	ok	0.888	0.828-0.948
1,1-Dichloroethylene	5.67	7.49	0.757	ok	0.757	0.697-0.817
1,2-Dibromoethane (EDB)	12.35	13.48	0.916	ok	0.916	0.856-0.976
1,2-Dichloroethane	8.25	7.49	1.101	ok	1.101	1.041-1.161
1,2-Dichloropropane	9.66	9.21	1.049	ok	1.049	0.989-1.109
1,3-Dichloropropane	11.71	9.21	1.271	ok	1.271	1.211-1.331
1,4-Dioxane	10.03	9.21	1.089	ok	1.085	1.025-1.145
Dichlorodifluoromethane	4.05	7.49	0.541	ok	0.540	0.480-0.600
Dichlorofluoromethane	4.74	7.49	0.633	ok	0.633	0.573-0.693
Dibromochloromethane	12.10	13.48	0.898	ok	0.897	0.837-0.957
Dibromomethane	9.63	9.21	1.046	ok	1.046	0.986-1.106
trans-1,2-Dichloroethylene	6.48	7.49	0.865	ok	0.866	0.806-0.926
cis-1,2-Dichloroethylene	7.34	7.49	0.980	ok	0.981	0.921-1.041

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W3499-IC3499	3W88655.D	09/09/24 03:09	BK	0.04	GCMS3W	TO-15	
V3W3499-IC3499	3W88656.D	09/09/24 03:49	BK	0.1	GCMS3W	TO-15	
V3W3499-IC3499	3W88657.D	09/09/24 04:30	BK	0.2	GCMS3W	TO-15	
V3W3499-IC3499	3W88659.D	09/09/24 05:54	BK	0.5	GCMS3W	TO-15	Reporting this level
V3W3499-IC3499	3W88661.D	09/09/24 07:18	BK	5	GCMS3W	TO-15	
V3W3499-ICC3499	3W88662.D	09/09/24 07:57	BK	10	GCMS3W	TO-15	
V3W3499-IC3499	3W88663.D	09/09/24 08:38	BK	20	GCMS3W	TO-15	
V3W3499-IC3499	3W88664.D	09/09/24 09:22	BK	40	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,3-Dichloropropene	10.70	9.21	1.162	ok	1.162	1.102-1.222
m-Dichlorobenzene	16.84	13.48	1.249	ok	1.249	1.189-1.309
o-Dichlorobenzene	17.33	13.48	1.286	ok	1.285	1.225-1.345
p-Dichlorobenzene	16.92	13.48	1.255	ok	1.255	1.195-1.315
trans-1,3-Dichloropropene	11.23	9.21	1.219	ok	1.219	1.159-1.279
Di-Isopropyl ether	7.60	7.49	1.015	ok	1.010	0.950-1.070
2,3-Dimethylpentane	9.35	9.21	1.015	ok	1.015	0.955-1.075
2,4-Dimethylpentane	8.28	7.49	1.105	ok	1.105	1.045-1.165
Ethanol	4.86	7.49	0.649	ok	0.645	0.585-0.705
Ethylbenzene	13.93	13.48	1.033	ok	1.033	0.973-1.093
Ethyl Acetate	7.62	7.49	1.017	ok	1.014	0.954-1.074
Ethyl Acrylate	9.72	9.21	1.055	ok	1.053	0.993-1.113
4-Ethyltoluene	16.08	13.48	1.193	ok	1.193	1.133-1.253
Freon 113	5.95	7.49	0.794	ok	0.794	0.734-0.854
Freon 114	4.22	7.49	0.563	ok	0.564	0.504-0.624
Freon 115	3.87	7.49	0.517	ok	0.517	0.457-0.577
Freon 123	5.02	7.49	0.670	ok	0.670	0.610-0.730
Freon 123A	5.06	7.49	0.676	ok	0.674	0.614-0.734
Freon 142B	4.14	7.49	0.553	ok	0.553	0.493-0.613
Freon 152A	3.95	7.49	0.527	ok	0.527	0.467-0.587
Heptane	10.14	9.21	1.101	ok	1.101	1.041-1.161
Hexachlorobutadiene	19.90	13.48	1.476	ok	1.476	1.416-1.536
Hexachloroethane	18.13	13.48	1.345	ok	1.344	1.284-1.404
Hexane	7.50	7.49	1.001	ok	1.001	0.941-1.061
2-Hexanone	12.03	13.48	0.892	ok	0.891	0.831-0.951
Iodomethane	5.63	7.49	0.752	ok	0.752	0.692-0.812
Isopropylbenzene	15.30	13.48	1.135	ok	1.135	1.075-1.195
Isopropyl Alcohol	5.42	7.49	0.724	ok	0.718	0.658-0.778
p-Isopropyltoluene	17.18	13.48	1.274	ok	1.274	1.214-1.334
Methylene chloride	5.76	7.49	0.769	ok	0.769	0.709-0.829
Methyl ethyl ketone	7.10	7.49	0.948	ok	0.943	0.883-1.003
Methyl Isobutyl Ketone	10.85	9.21	1.178	ok	1.175	1.115-1.235
Methyl Tert Butyl Ether	6.82	7.49	0.911	ok	0.905	0.845-0.965
Methylmethacrylate	10.11	9.21	1.098	ok	1.096	1.036-1.156
Naphthalene	19.49	13.48	1.446	ok	1.445	1.385-1.505
Nonane	14.89	13.48	1.105	ok	1.104	1.044-1.164
Octane	12.68	13.48	0.941	ok	0.940	0.880-1.000
Pentane	5.46	7.49	0.729	ok	0.728	0.668-0.788
n-Propylbenzene	15.90	13.48	1.180	ok	1.179	1.119-1.239
Propylene	3.99	7.49	0.533	ok	0.533	0.473-0.593

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W3499-IC3499	3W88655.D	09/09/24 03:09	BK	0.04	GCMS3W	TO-15	
V3W3499-IC3499	3W88656.D	09/09/24 03:49	BK	0.1	GCMS3W	TO-15	
V3W3499-IC3499	3W88657.D	09/09/24 04:30	BK	0.2	GCMS3W	TO-15	
V3W3499-IC3499	3W88659.D	09/09/24 05:54	BK	0.5	GCMS3W	TO-15	Reporting this level
V3W3499-IC3499	3W88661.D	09/09/24 07:18	BK	5	GCMS3W	TO-15	
V3W3499-ICC3499	3W88662.D	09/09/24 07:57	BK	10	GCMS3W	TO-15	
V3W3499-IC3499	3W88663.D	09/09/24 08:38	BK	20	GCMS3W	TO-15	
V3W3499-IC3499	3W88664.D	09/09/24 09:22	BK	40	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Styrene	14.52	13.48	1.077	ok	1.077	1.017-1.137
1,1,1-Trichloroethane	8.48	7.49	1.132	ok	1.131	1.071-1.191
1,1,1,2-Tetrachloroethane	13.52	13.48	1.003	ok	1.003	0.943-1.063
1,1,2,2-Tetrachloroethane	14.63	13.48	1.085	ok	1.085	1.025-1.145
1,1,2-Trichloroethane	11.40	9.21	1.238	ok	1.238	1.178-1.298
1,2,4-Trichlorobenzene	19.36	13.48	1.436	ok	1.436	1.376-1.496
1,2,3-Trichloropropane	14.78	13.48	1.096	ok	1.096	1.036-1.156
1,2,3-Trimethylbenzene	17.17	13.48	1.274	ok	1.274	1.214-1.334
1,2,4-Trimethylbenzene	16.67	13.48	1.237	ok	1.236	1.176-1.296
1,3,5-Trimethylbenzene	16.17	13.48	1.200	ok	1.199	1.139-1.259
2,2,4-Trimethylpentane	9.90	9.21	1.075	ok	1.075	1.015-1.135
Tertiary Butyl Alcohol	5.92	7.49	0.790	ok	0.784	0.724-0.844
Tetrachloroethylene	12.82	13.48	0.951	ok	0.951	0.891-1.011
Tetrahydrofuran	8.08	7.49	1.079	ok	1.074	1.014-1.134
Toluene	11.68	9.21	1.268	ok	1.268	1.208-1.328
Trichloroethylene	9.88	9.21	1.073	ok	1.072	1.012-1.132
Trichlorofluoromethane	5.22	7.49	0.697	ok	0.696	0.636-0.756
Vinyl chloride	4.30	7.49	0.574	ok	0.574	0.514-0.634
Vinyl Acetate	6.81	7.49	0.909	ok	0.907	0.847-0.967
m,p-Xylene	14.14	13.48	1.049	ok	1.048	0.988-1.108
o-Xylene	14.64	13.48	1.086	ok	1.086	1.026-1.146
TVHC As Equiv Pentane	5.46	13.48	0.405	ok	0.404	0.344-0.464

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.49	ok	7.49	7.16-7.82	100841	ok	104071	62443-145699
1,4-Difluorobenzene	9.21	ok	9.21	8.88-9.54	496113	ok	522754	313652-731856
Chlorobenzene-D5	13.48	ok	13.49	13.16-13.82	270308	ok	315123	189074-441172

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W3499-IC3499	3W88655.D	09/09/24 03:09	BK	0.04	GCMS3W	TO-15	
V3W3499-IC3499	3W88656.D	09/09/24 03:49	BK	0.1	GCMS3W	TO-15	
V3W3499-IC3499	3W88657.D	09/09/24 04:30	BK	0.2	GCMS3W	TO-15	
V3W3499-IC3499	3W88659.D	09/09/24 05:54	BK	0.5	GCMS3W	TO-15	
V3W3499-IC3499	3W88661.D	09/09/24 07:18	BK	5	GCMS3W	TO-15	Reporting this level
V3W3499-ICC3499	3W88662.D	09/09/24 07:57	BK	10	GCMS3W	TO-15	
V3W3499-IC3499	3W88663.D	09/09/24 08:38	BK	20	GCMS3W	TO-15	
V3W3499-IC3499	3W88664.D	09/09/24 09:22	BK	40	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	5.16	7.49	0.689	ok	0.691	0.631-0.751
Acrolein	5.03	7.49	0.672	ok	0.673	0.613-0.733
Acrylonitrile	5.44	7.49	0.726	ok	0.728	0.668-0.788
Acetonitrile	4.95	7.49	0.661	ok	0.661	0.601-0.721
1,3-Butadiene	4.39	7.49	0.586	ok	0.587	0.527-0.647
Benzene	8.90	9.21	0.966	ok	0.966	0.906-1.026
Bromobenzene	15.39	13.49	1.141	ok	1.141	1.081-1.201
Bromodichloromethane	9.84	9.21	1.068	ok	1.068	1.008-1.128
Bromoform	14.21	13.49	1.053	ok	1.054	0.994-1.114
Bromomethane	4.58	7.49	0.611	ok	0.611	0.551-0.671
Bromoethene	4.93	7.49	0.658	ok	0.658	0.598-0.718
n-Butane	4.43	7.49	0.591	ok	0.591	0.531-0.651
Benzyl Chloride	16.82	13.49	1.247	ok	1.248	1.188-1.308
n-Butylbenzene	17.69	13.49	1.311	ok	1.311	1.251-1.371
sec-Butylbenzene	16.98	13.49	1.259	ok	1.259	1.199-1.319
tert-Butylbenzene	16.65	13.49	1.234	ok	1.235	1.175-1.295
Carbon disulfide	6.01	7.49	0.802	ok	0.802	0.742-0.862
Chlorobenzene	13.53	13.49	1.003	ok	1.004	0.944-1.064
Chlorodifluoromethane	3.98	7.49	0.531	ok	0.531	0.471-0.591
Chloroethane	4.69	7.49	0.626	ok	0.626	0.566-0.686
Chlorotrifluoroethene	4.00	7.49	0.534	ok	0.534	0.474-0.594
Chloroform	7.60	7.49	1.015	ok	1.015	0.955-1.075
Chloromethane	4.16	7.49	0.555	ok	0.555	0.495-0.615
3-Chloropropene	5.86	7.49	0.782	ok	0.782	0.722-0.842
2-Chlorotoluene	15.85	13.49	1.175	ok	1.176	1.116-1.236
Carbon tetrachloride	9.03	7.49	1.206	ok	1.205	1.145-1.265
Cyclohexane	9.14	9.21	0.992	ok	0.992	0.932-1.052
1,1-Dichloroethane	6.65	7.49	0.888	ok	0.888	0.828-0.948
1,1-Dichloroethylene	5.67	7.49	0.757	ok	0.757	0.697-0.817
1,2-Dibromoethane (EDB)	12.35	13.49	0.915	ok	0.916	0.856-0.976
1,2-Dichloroethane	8.25	7.49	1.101	ok	1.101	1.041-1.161
1,2-Dichloropropane	9.66	9.21	1.049	ok	1.049	0.989-1.109
1,3-Dichloropropane	11.70	9.21	1.270	ok	1.271	1.211-1.331
1,4-Dioxane	9.97	9.21	1.083	ok	1.085	1.025-1.145
Dichlorodifluoromethane	4.05	7.49	0.541	ok	0.540	0.480-0.600
Dichlorofluoromethane	4.74	7.49	0.633	ok	0.633	0.573-0.693
Dibromochloromethane	12.10	13.49	0.897	ok	0.897	0.837-0.957
Dibromomethane	9.63	9.21	1.046	ok	1.046	0.986-1.106
trans-1,2-Dichloroethylene	6.49	7.49	0.866	ok	0.866	0.806-0.926
cis-1,2-Dichloroethylene	7.35	7.49	0.981	ok	0.981	0.921-1.041

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W3499-IC3499	3W88655.D	09/09/24 03:09	BK	0.04	GCMS3W	TO-15	
V3W3499-IC3499	3W88656.D	09/09/24 03:49	BK	0.1	GCMS3W	TO-15	
V3W3499-IC3499	3W88657.D	09/09/24 04:30	BK	0.2	GCMS3W	TO-15	
V3W3499-IC3499	3W88659.D	09/09/24 05:54	BK	0.5	GCMS3W	TO-15	
V3W3499-IC3499	3W88661.D	09/09/24 07:18	BK	5	GCMS3W	TO-15	Reporting this level
V3W3499-ICC3499	3W88662.D	09/09/24 07:57	BK	10	GCMS3W	TO-15	
V3W3499-IC3499	3W88663.D	09/09/24 08:38	BK	20	GCMS3W	TO-15	
V3W3499-IC3499	3W88664.D	09/09/24 09:22	BK	40	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,3-Dichloropropene	10.71	9.21	1.163	ok	1.162	1.102-1.222
m-Dichlorobenzene	16.84	13.49	1.248	ok	1.249	1.189-1.309
o-Dichlorobenzene	17.33	13.49	1.285	ok	1.285	1.225-1.345
p-Dichlorobenzene	16.92	13.49	1.254	ok	1.255	1.195-1.315
trans-1,3-Dichloropropene	11.23	9.21	1.219	ok	1.219	1.159-1.279
Di-Isopropyl ether	7.55	7.49	1.008	ok	1.010	0.950-1.070
2,3-Dimethylpentane	9.35	9.21	1.015	ok	1.015	0.955-1.075
2,4-Dimethylpentane	8.28	7.49	1.105	ok	1.105	1.045-1.165
Ethanol	4.82	7.49	0.644	ok	0.645	0.585-0.705
Ethylbenzene	13.93	13.49	1.033	ok	1.033	0.973-1.093
Ethyl Acetate	7.58	7.49	1.012	ok	1.014	0.954-1.074
Ethyl Acrylate	9.69	9.21	1.052	ok	1.053	0.993-1.113
4-Ethyltoluene	16.08	13.49	1.192	ok	1.193	1.133-1.253
Freon 113	5.95	7.49	0.794	ok	0.794	0.734-0.854
Freon 114	4.22	7.49	0.563	ok	0.564	0.504-0.624
Freon 115	3.87	7.49	0.517	ok	0.517	0.457-0.577
Freon 123	5.02	7.49	0.670	ok	0.670	0.610-0.730
Freon 123A	5.05	7.49	0.674	ok	0.674	0.614-0.734
Freon 142B	4.14	7.49	0.553	ok	0.553	0.493-0.613
Freon 152A	3.95	7.49	0.527	ok	0.527	0.467-0.587
Heptane	10.14	9.21	1.101	ok	1.101	1.041-1.161
Hexachlorobutadiene	19.90	13.49	1.475	ok	1.476	1.416-1.536
Hexachloroethane	18.13	13.49	1.344	ok	1.344	1.284-1.404
Hexane	7.50	7.49	1.001	ok	1.001	0.941-1.061
2-Hexanone	12.00	13.49	0.890	ok	0.891	0.831-0.951
Iodomethane	5.64	7.49	0.753	ok	0.752	0.692-0.812
Isopropylbenzene	15.30	13.49	1.134	ok	1.135	1.075-1.195
Isopropyl Alcohol	5.37	7.49	0.717	ok	0.718	0.658-0.778
p-Isopropyltoluene	17.18	13.49	1.274	ok	1.274	1.214-1.334
Methylene chloride	5.76	7.49	0.769	ok	0.769	0.709-0.829
Methyl ethyl ketone	7.04	7.49	0.940	ok	0.943	0.883-1.003
Methyl Isobutyl Ketone	10.81	9.21	1.174	ok	1.175	1.115-1.235
Methyl Tert Butyl Ether	6.76	7.49	0.903	ok	0.905	0.845-0.965
Methylmethacrylate	10.09	9.21	1.096	ok	1.096	1.036-1.156
Naphthalene	19.49	13.49	1.445	ok	1.445	1.385-1.505
Nonane	14.89	13.49	1.104	ok	1.104	1.044-1.164
Octane	12.68	13.49	0.940	ok	0.940	0.880-1.000
Pentane	5.46	7.49	0.729	ok	0.728	0.668-0.788
n-Propylbenzene	15.90	13.49	1.179	ok	1.179	1.119-1.239
Propylene	4.00	7.49	0.534	ok	0.533	0.473-0.593

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W3499-IC3499	3W88655.D	09/09/24 03:09	BK	0.04	GCMS3W	TO-15	
V3W3499-IC3499	3W88656.D	09/09/24 03:49	BK	0.1	GCMS3W	TO-15	
V3W3499-IC3499	3W88657.D	09/09/24 04:30	BK	0.2	GCMS3W	TO-15	
V3W3499-IC3499	3W88659.D	09/09/24 05:54	BK	0.5	GCMS3W	TO-15	
V3W3499-IC3499	3W88661.D	09/09/24 07:18	BK	5	GCMS3W	TO-15	Reporting this level
V3W3499-ICC3499	3W88662.D	09/09/24 07:57	BK	10	GCMS3W	TO-15	
V3W3499-IC3499	3W88663.D	09/09/24 08:38	BK	20	GCMS3W	TO-15	
V3W3499-IC3499	3W88664.D	09/09/24 09:22	BK	40	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Styrene	14.52	13.49	1.076	ok	1.077	1.017-1.137
1,1,1-Trichloroethane	8.47	7.49	1.131	ok	1.131	1.071-1.191
1,1,1,2-Tetrachloroethane	13.52	13.49	1.002	ok	1.003	0.943-1.063
1,1,2,2-Tetrachloroethane	14.63	13.49	1.085	ok	1.085	1.025-1.145
1,1,2-Trichloroethane	11.40	9.21	1.238	ok	1.238	1.178-1.298
1,2,4-Trichlorobenzene	19.36	13.49	1.435	ok	1.436	1.376-1.496
1,2,3-Trichloropropane	14.78	13.49	1.096	ok	1.096	1.036-1.156
1,2,3-Trimethylbenzene	17.18	13.49	1.274	ok	1.274	1.214-1.334
1,2,4-Trimethylbenzene	16.67	13.49	1.236	ok	1.236	1.176-1.296
1,3,5-Trimethylbenzene	16.17	13.49	1.199	ok	1.199	1.139-1.259
2,2,4-Trimethylpentane	9.90	9.21	1.075	ok	1.075	1.015-1.135
Tertiary Butyl Alcohol	5.86	7.49	0.782	ok	0.784	0.724-0.844
Tetrachloroethylene	12.83	13.49	0.951	ok	0.951	0.891-1.011
Tetrahydrofuran	8.03	7.49	1.072	ok	1.074	1.014-1.134
Toluene	11.68	9.21	1.268	ok	1.268	1.208-1.328
Trichloroethylene	9.88	9.21	1.073	ok	1.072	1.012-1.132
Trichlorofluoromethane	5.22	7.49	0.697	ok	0.696	0.636-0.756
Vinyl chloride	4.30	7.49	0.574	ok	0.574	0.514-0.634
Vinyl Acetate	6.78	7.49	0.905	ok	0.907	0.847-0.967
m,p-Xylene	14.12	13.49	1.047	ok	1.048	0.988-1.108
o-Xylene	14.64	13.49	1.085	ok	1.086	1.026-1.146
TVHC As Equiv Pentane	5.45	13.49	0.404	ok	0.404	0.344-0.464

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.49	ok	7.49	7.16-7.82	104691	ok	104071	62443-145699
1,4-Difluorobenzene	9.21	ok	9.21	8.88-9.54	519097	ok	522754	313652-731856
Chlorobenzene-D5	13.49	ok	13.49	13.16-13.82	297860	ok	315123	189074-441172

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W3499-IC3499	3W88655.D	09/09/24 03:09	BK	0.04	GCMS3W	TO-15	
V3W3499-IC3499	3W88656.D	09/09/24 03:49	BK	0.1	GCMS3W	TO-15	
V3W3499-IC3499	3W88657.D	09/09/24 04:30	BK	0.2	GCMS3W	TO-15	
V3W3499-IC3499	3W88659.D	09/09/24 05:54	BK	0.5	GCMS3W	TO-15	
V3W3499-IC3499	3W88661.D	09/09/24 07:18	BK	5	GCMS3W	TO-15	
V3W3499-ICC3499	3W88662.D	09/09/24 07:57	BK	10	GCMS3W	TO-15	Reporting this level
V3W3499-IC3499	3W88663.D	09/09/24 08:38	BK	20	GCMS3W	TO-15	
V3W3499-IC3499	3W88664.D	09/09/24 09:22	BK	40	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	5.13	7.49	0.685	ok	0.691	0.631-0.751
Acrolein	5.02	7.49	0.670	ok	0.673	0.613-0.733
Acrylonitrile	5.44	7.49	0.726	ok	0.728	0.668-0.788
Acetonitrile	4.94	7.49	0.660	ok	0.661	0.601-0.721
1,3-Butadiene	4.39	7.49	0.586	ok	0.587	0.527-0.647
Benzene	8.89	9.21	0.965	ok	0.966	0.906-1.026
Bromobenzene	15.39	13.49	1.141	ok	1.141	1.081-1.201
Bromodichloromethane	9.84	9.21	1.068	ok	1.068	1.008-1.128
Bromoform	14.21	13.49	1.053	ok	1.054	0.994-1.114
Bromomethane	4.58	7.49	0.611	ok	0.611	0.551-0.671
Bromoethene	4.92	7.49	0.657	ok	0.658	0.598-0.718
n-Butane	4.42	7.49	0.590	ok	0.591	0.531-0.651
Benzyl Chloride	16.82	13.49	1.247	ok	1.248	1.188-1.308
n-Butylbenzene	17.69	13.49	1.311	ok	1.311	1.251-1.371
sec-Butylbenzene	16.99	13.49	1.259	ok	1.259	1.199-1.319
tert-Butylbenzene	16.66	13.49	1.235	ok	1.235	1.175-1.295
Carbon disulfide	6.01	7.49	0.802	ok	0.802	0.742-0.862
Chlorobenzene	13.53	13.49	1.003	ok	1.004	0.944-1.064
Chlorodifluoromethane	3.97	7.49	0.530	ok	0.531	0.471-0.591
Chloroethane	4.69	7.49	0.626	ok	0.626	0.566-0.686
Chlorotrifluoroethene	4.00	7.49	0.534	ok	0.534	0.474-0.594
Chloroform	7.60	7.49	1.015	ok	1.015	0.955-1.075
Chloromethane	4.15	7.49	0.554	ok	0.555	0.495-0.615
3-Chloropropene	5.85	7.49	0.781	ok	0.782	0.722-0.842
2-Chlorotoluene	15.86	13.49	1.176	ok	1.176	1.116-1.236
Carbon tetrachloride	9.03	7.49	1.206	ok	1.205	1.145-1.265
Cyclohexane	9.14	9.21	0.992	ok	0.992	0.932-1.052
1,1-Dichloroethane	6.65	7.49	0.888	ok	0.888	0.828-0.948
1,1-Dichloroethylene	5.67	7.49	0.757	ok	0.757	0.697-0.817
1,2-Dibromoethane (EDB)	12.35	13.49	0.915	ok	0.916	0.856-0.976
1,2-Dichloroethane	8.25	7.49	1.101	ok	1.101	1.041-1.161
1,2-Dichloropropane	9.66	9.21	1.049	ok	1.049	0.989-1.109
1,3-Dichloropropane	11.70	9.21	1.270	ok	1.271	1.211-1.331
1,4-Dioxane	9.96	9.21	1.081	ok	1.085	1.025-1.145
Dichlorodifluoromethane	4.04	7.49	0.539	ok	0.540	0.480-0.600
Dichlorofluoromethane	4.74	7.49	0.633	ok	0.633	0.573-0.693
Dibromochloromethane	12.11	13.49	0.898	ok	0.897	0.837-0.957
Dibromomethane	9.63	9.21	1.046	ok	1.046	0.986-1.106
trans-1,2-Dichloroethylene	6.48	7.49	0.865	ok	0.866	0.806-0.926
cis-1,2-Dichloroethylene	7.35	7.49	0.981	ok	0.981	0.921-1.041

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W3499-IC3499	3W88655.D	09/09/24 03:09	BK	0.04	GCMS3W	TO-15	
V3W3499-IC3499	3W88656.D	09/09/24 03:49	BK	0.1	GCMS3W	TO-15	
V3W3499-IC3499	3W88657.D	09/09/24 04:30	BK	0.2	GCMS3W	TO-15	
V3W3499-IC3499	3W88659.D	09/09/24 05:54	BK	0.5	GCMS3W	TO-15	
V3W3499-IC3499	3W88661.D	09/09/24 07:18	BK	5	GCMS3W	TO-15	
V3W3499-ICC3499	3W88662.D	09/09/24 07:57	BK	10	GCMS3W	TO-15	Reporting this level
V3W3499-IC3499	3W88663.D	09/09/24 08:38	BK	20	GCMS3W	TO-15	
V3W3499-IC3499	3W88664.D	09/09/24 09:22	BK	40	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,3-Dichloropropene	10.71	9.21	1.163	ok	1.162	1.102-1.222
m-Dichlorobenzene	16.84	13.49	1.248	ok	1.249	1.189-1.309
o-Dichlorobenzene	17.33	13.49	1.285	ok	1.285	1.225-1.345
p-Dichlorobenzene	16.93	13.49	1.255	ok	1.255	1.195-1.315
trans-1,3-Dichloropropene	11.23	9.21	1.219	ok	1.219	1.159-1.279
Di-Isopropyl ether	7.53	7.49	1.005	ok	1.010	0.950-1.070
2,3-Dimethylpentane	9.35	9.21	1.015	ok	1.015	0.955-1.075
2,4-Dimethylpentane	8.28	7.49	1.105	ok	1.105	1.045-1.165
Ethanol	4.80	7.49	0.641	ok	0.645	0.585-0.705
Ethylbenzene	13.93	13.49	1.033	ok	1.033	0.973-1.093
Ethyl Acetate	7.56	7.49	1.009	ok	1.014	0.954-1.074
Ethyl Acrylate	9.68	9.21	1.051	ok	1.053	0.993-1.113
4-Ethyltoluene	16.08	13.49	1.192	ok	1.193	1.133-1.253
Freon 113	5.95	7.49	0.794	ok	0.794	0.734-0.854
Freon 114	4.22	7.49	0.563	ok	0.564	0.504-0.624
Freon 115	3.87	7.49	0.517	ok	0.517	0.457-0.577
Freon 123	5.02	7.49	0.670	ok	0.670	0.610-0.730
Freon 123A	5.05	7.49	0.674	ok	0.674	0.614-0.734
Freon 142B	4.14	7.49	0.553	ok	0.553	0.493-0.613
Freon 152A	3.95	7.49	0.527	ok	0.527	0.467-0.587
Heptane	10.14	9.21	1.101	ok	1.101	1.041-1.161
Hexachlorobutadiene	19.90	13.49	1.475	ok	1.476	1.416-1.536
Hexachloroethane	18.13	13.49	1.344	ok	1.344	1.284-1.404
Hexane	7.50	7.49	1.001	ok	1.001	0.941-1.061
2-Hexanone	11.99	13.49	0.889	ok	0.891	0.831-0.951
Iodomethane	5.63	7.49	0.752	ok	0.752	0.692-0.812
Isopropylbenzene	15.30	13.49	1.134	ok	1.135	1.075-1.195
Isopropyl Alcohol	5.35	7.49	0.714	ok	0.718	0.658-0.778
p-Isopropyltoluene	17.18	13.49	1.274	ok	1.274	1.214-1.334
Methylene chloride	5.76	7.49	0.769	ok	0.769	0.709-0.829
Methyl ethyl ketone	7.02	7.49	0.937	ok	0.943	0.883-1.003
Methyl Isobutyl Ketone	10.80	9.21	1.173	ok	1.175	1.115-1.235
Methyl Tert Butyl Ether	6.74	7.49	0.900	ok	0.905	0.845-0.965
Methylmethacrylate	10.08	9.21	1.094	ok	1.096	1.036-1.156
Naphthalene	19.49	13.49	1.445	ok	1.445	1.385-1.505
Nonane	14.89	13.49	1.104	ok	1.104	1.044-1.164
Octane	12.68	13.49	0.940	ok	0.940	0.880-1.000
Pentane	5.45	7.49	0.728	ok	0.728	0.668-0.788
n-Propylbenzene	15.90	13.49	1.179	ok	1.179	1.119-1.239
Propylene	3.99	7.49	0.533	ok	0.533	0.473-0.593

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W3499-IC3499	3W88655.D	09/09/24 03:09	BK	0.04	GCMS3W	TO-15	
V3W3499-IC3499	3W88656.D	09/09/24 03:49	BK	0.1	GCMS3W	TO-15	
V3W3499-IC3499	3W88657.D	09/09/24 04:30	BK	0.2	GCMS3W	TO-15	
V3W3499-IC3499	3W88659.D	09/09/24 05:54	BK	0.5	GCMS3W	TO-15	
V3W3499-IC3499	3W88661.D	09/09/24 07:18	BK	5	GCMS3W	TO-15	
V3W3499-ICC3499	3W88662.D	09/09/24 07:57	BK	10	GCMS3W	TO-15	Reporting this level
V3W3499-IC3499	3W88663.D	09/09/24 08:38	BK	20	GCMS3W	TO-15	
V3W3499-IC3499	3W88664.D	09/09/24 09:22	BK	40	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Styrene	14.52	13.49	1.076	ok	1.077	1.017-1.137
1,1,1-Trichloroethane	8.47	7.49	1.131	ok	1.131	1.071-1.191
1,1,1,2-Tetrachloroethane	13.52	13.49	1.002	ok	1.003	0.943-1.063
1,1,2,2-Tetrachloroethane	14.64	13.49	1.085	ok	1.085	1.025-1.145
1,1,2-Trichloroethane	11.40	9.21	1.238	ok	1.238	1.178-1.298
1,2,4-Trichlorobenzene	19.37	13.49	1.436	ok	1.436	1.376-1.496
1,2,3-Trichloropropane	14.78	13.49	1.096	ok	1.096	1.036-1.156
1,2,3-Trimethylbenzene	17.18	13.49	1.274	ok	1.274	1.214-1.334
1,2,4-Trimethylbenzene	16.67	13.49	1.236	ok	1.236	1.176-1.296
1,3,5-Trimethylbenzene	16.17	13.49	1.199	ok	1.199	1.139-1.259
2,2,4-Trimethylpentane	9.89	9.21	1.074	ok	1.075	1.015-1.135
Tertiary Butyl Alcohol	5.83	7.49	0.778	ok	0.784	0.724-0.844
Tetrachloroethylene	12.83	13.49	0.951	ok	0.951	0.891-1.011
Tetrahydrofuran	8.00	7.49	1.068	ok	1.074	1.014-1.134
Toluene	11.68	9.21	1.268	ok	1.268	1.208-1.328
Trichloroethylene	9.88	9.21	1.073	ok	1.072	1.012-1.132
Trichlorofluoromethane	5.21	7.49	0.696	ok	0.696	0.636-0.756
Vinyl chloride	4.30	7.49	0.574	ok	0.574	0.514-0.634
Vinyl Acetate	6.77	7.49	0.904	ok	0.907	0.847-0.967
m,p-Xylene	14.14	13.49	1.048	ok	1.048	0.988-1.108
o-Xylene	14.64	13.49	1.085	ok	1.086	1.026-1.146
TVHC As Equiv Pentane	5.45	13.49	0.404	ok	0.404	0.344-0.464

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.49	ok	7.49	7.16-7.82	104992	ok	104071	62443-145699
1,4-Difluorobenzene	9.21	ok	9.21	8.88-9.54	532628	ok	522754	313652-731856
Chlorobenzene-D5	13.49	ok	13.49	13.16-13.82	319579	ok	315123	189074-441172

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W3499-IC3499	3W88655.D	09/09/24 03:09	BK	0.04	GCMS3W	TO-15	
V3W3499-IC3499	3W88656.D	09/09/24 03:49	BK	0.1	GCMS3W	TO-15	
V3W3499-IC3499	3W88657.D	09/09/24 04:30	BK	0.2	GCMS3W	TO-15	
V3W3499-IC3499	3W88659.D	09/09/24 05:54	BK	0.5	GCMS3W	TO-15	
V3W3499-IC3499	3W88661.D	09/09/24 07:18	BK	5	GCMS3W	TO-15	
V3W3499-ICC3499	3W88662.D	09/09/24 07:57	BK	10	GCMS3W	TO-15	
V3W3499-IC3499	3W88663.D	09/09/24 08:38	BK	20	GCMS3W	TO-15	Reporting this level
V3W3499-IC3499	3W88664.D	09/09/24 09:22	BK	40	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	5.13	7.49	0.685	ok	0.691	0.631-0.751
Acrolein	5.02	7.49	0.670	ok	0.673	0.613-0.733
Acrylonitrile	5.44	7.49	0.726	ok	0.728	0.668-0.788
Acetonitrile	4.93	7.49	0.658	ok	0.661	0.601-0.721
1,3-Butadiene	4.39	7.49	0.586	ok	0.587	0.527-0.647
Benzene	8.90	9.21	0.966	ok	0.966	0.906-1.026
Bromobenzene	15.40	13.49	1.142	ok	1.141	1.081-1.201
Bromodichloromethane	9.85	9.21	1.069	ok	1.068	1.008-1.128
Bromoform	14.21	13.49	1.053	ok	1.054	0.994-1.114
Bromomethane	4.58	7.49	0.611	ok	0.611	0.551-0.671
Bromoethene	4.93	7.49	0.658	ok	0.658	0.598-0.718
n-Butane	4.43	7.49	0.591	ok	0.591	0.531-0.651
Benzyl Chloride	16.83	13.49	1.248	ok	1.248	1.188-1.308
n-Butylbenzene	17.69	13.49	1.311	ok	1.311	1.251-1.371
sec-Butylbenzene	16.99	13.49	1.259	ok	1.259	1.199-1.319
tert-Butylbenzene	16.66	13.49	1.235	ok	1.235	1.175-1.295
Carbon disulfide	6.01	7.49	0.802	ok	0.802	0.742-0.862
Chlorobenzene	13.54	13.49	1.004	ok	1.004	0.944-1.064
Chlorodifluoromethane	3.98	7.49	0.531	ok	0.531	0.471-0.591
Chloroethane	4.69	7.49	0.626	ok	0.626	0.566-0.686
Chlorotrifluoroethene	4.00	7.49	0.534	ok	0.534	0.474-0.594
Chloroform	7.61	7.49	1.016	ok	1.015	0.955-1.075
Chloromethane	4.16	7.49	0.555	ok	0.555	0.495-0.615
3-Chloropropene	5.85	7.49	0.781	ok	0.782	0.722-0.842
2-Chlorotoluene	15.86	13.49	1.176	ok	1.176	1.116-1.236
Carbon tetrachloride	9.03	7.49	1.206	ok	1.205	1.145-1.265
Cyclohexane	9.14	9.21	0.992	ok	0.992	0.932-1.052
1,1-Dichloroethane	6.66	7.49	0.889	ok	0.888	0.828-0.948
1,1-Dichloroethylene	5.67	7.49	0.757	ok	0.757	0.697-0.817
1,2-Dibromoethane (EDB)	12.36	13.49	0.916	ok	0.916	0.856-0.976
1,2-Dichloroethane	8.25	7.49	1.101	ok	1.101	1.041-1.161
1,2-Dichloropropane	9.66	9.21	1.049	ok	1.049	0.989-1.109
1,3-Dichloropropane	11.71	9.21	1.271	ok	1.271	1.211-1.331
1,4-Dioxane	9.93	9.21	1.078	ok	1.085	1.025-1.145
Dichlorodifluoromethane	4.05	7.49	0.541	ok	0.540	0.480-0.600
Dichlorofluoromethane	4.74	7.49	0.633	ok	0.633	0.573-0.693
Dibromochloromethane	12.11	13.49	0.898	ok	0.897	0.837-0.957
Dibromomethane	9.64	9.21	1.047	ok	1.046	0.986-1.106
trans-1,2-Dichloroethylene	6.49	7.49	0.866	ok	0.866	0.806-0.926
cis-1,2-Dichloroethylene	7.35	7.49	0.981	ok	0.981	0.921-1.041

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W3499-IC3499	3W88655.D	09/09/24 03:09	BK	0.04	GCMS3W	TO-15	
V3W3499-IC3499	3W88656.D	09/09/24 03:49	BK	0.1	GCMS3W	TO-15	
V3W3499-IC3499	3W88657.D	09/09/24 04:30	BK	0.2	GCMS3W	TO-15	
V3W3499-IC3499	3W88659.D	09/09/24 05:54	BK	0.5	GCMS3W	TO-15	
V3W3499-IC3499	3W88661.D	09/09/24 07:18	BK	5	GCMS3W	TO-15	
V3W3499-ICC3499	3W88662.D	09/09/24 07:57	BK	10	GCMS3W	TO-15	
V3W3499-IC3499	3W88663.D	09/09/24 08:38	BK	20	GCMS3W	TO-15	Reporting this level
V3W3499-IC3499	3W88664.D	09/09/24 09:22	BK	40	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,3-Dichloropropene	10.71	9.21	1.163	ok	1.162	1.102-1.222
m-Dichlorobenzene	16.85	13.49	1.249	ok	1.249	1.189-1.309
o-Dichlorobenzene	17.34	13.49	1.285	ok	1.285	1.225-1.345
p-Dichlorobenzene	16.93	13.49	1.255	ok	1.255	1.195-1.315
trans-1,3-Dichloropropene	11.23	9.21	1.219	ok	1.219	1.159-1.279
Di-Isopropyl ether	7.53	7.49	1.005	ok	1.010	0.950-1.070
2,3-Dimethylpentane	9.35	9.21	1.015	ok	1.015	0.955-1.075
2,4-Dimethylpentane	8.28	7.49	1.105	ok	1.105	1.045-1.165
Ethanol	4.79	7.49	0.640	ok	0.645	0.585-0.705
Ethylbenzene	13.94	13.49	1.033	ok	1.033	0.973-1.093
Ethyl Acetate	7.55	7.49	1.008	ok	1.014	0.954-1.074
Ethyl Acrylate	9.67	9.21	1.050	ok	1.053	0.993-1.113
4-Ethyltoluene	16.08	13.49	1.192	ok	1.193	1.133-1.253
Freon 113	5.95	7.49	0.794	ok	0.794	0.734-0.854
Freon 114	4.22	7.49	0.563	ok	0.564	0.504-0.624
Freon 115	3.87	7.49	0.517	ok	0.517	0.457-0.577
Freon 123	5.02	7.49	0.670	ok	0.670	0.610-0.730
Freon 123A	5.05	7.49	0.674	ok	0.674	0.614-0.734
Freon 142B	4.14	7.49	0.553	ok	0.553	0.493-0.613
Freon 152A	3.95	7.49	0.527	ok	0.527	0.467-0.587
Heptane	10.15	9.21	1.102	ok	1.101	1.041-1.161
Hexachlorobutadiene	19.90	13.49	1.475	ok	1.476	1.416-1.536
Hexachloroethane	18.13	13.49	1.344	ok	1.344	1.284-1.404
Hexane	7.50	7.49	1.001	ok	1.001	0.941-1.061
2-Hexanone	11.99	13.49	0.889	ok	0.891	0.831-0.951
Iodomethane	5.63	7.49	0.752	ok	0.752	0.692-0.812
Isopropylbenzene	15.30	13.49	1.134	ok	1.135	1.075-1.195
Isopropyl Alcohol	5.33	7.49	0.712	ok	0.718	0.658-0.778
p-Isopropyltoluene	17.18	13.49	1.274	ok	1.274	1.214-1.334
Methylene chloride	5.76	7.49	0.769	ok	0.769	0.709-0.829
Methyl ethyl ketone	7.01	7.49	0.936	ok	0.943	0.883-1.003
Methyl Isobutyl Ketone	10.78	9.21	1.170	ok	1.175	1.115-1.235
Methyl Tert Butyl Ether	6.73	7.49	0.899	ok	0.905	0.845-0.965
Methylmethacrylate	10.08	9.21	1.094	ok	1.096	1.036-1.156
Naphthalene	19.49	13.49	1.445	ok	1.445	1.385-1.505
Nonane	14.90	13.49	1.105	ok	1.104	1.044-1.164
Octane	12.68	13.49	0.940	ok	0.940	0.880-1.000
Pentane	5.45	7.49	0.728	ok	0.728	0.668-0.788
n-Propylbenzene	15.91	13.49	1.179	ok	1.179	1.119-1.239
Propylene	3.99	7.49	0.533	ok	0.533	0.473-0.593

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W3499-IC3499	3W88655.D	09/09/24 03:09	BK	0.04	GCMS3W	TO-15	
V3W3499-IC3499	3W88656.D	09/09/24 03:49	BK	0.1	GCMS3W	TO-15	
V3W3499-IC3499	3W88657.D	09/09/24 04:30	BK	0.2	GCMS3W	TO-15	
V3W3499-IC3499	3W88659.D	09/09/24 05:54	BK	0.5	GCMS3W	TO-15	
V3W3499-IC3499	3W88661.D	09/09/24 07:18	BK	5	GCMS3W	TO-15	
V3W3499-ICC3499	3W88662.D	09/09/24 07:57	BK	10	GCMS3W	TO-15	
V3W3499-IC3499	3W88663.D	09/09/24 08:38	BK	20	GCMS3W	TO-15	Reporting this level
V3W3499-IC3499	3W88664.D	09/09/24 09:22	BK	40	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Styrene	14.52	13.49	1.076	ok	1.077	1.017-1.137
1,1,1-Trichloroethane	8.48	7.49	1.132	ok	1.131	1.071-1.191
1,1,1,2-Tetrachloroethane	13.52	13.49	1.002	ok	1.003	0.943-1.063
1,1,2,2-Tetrachloroethane	14.64	13.49	1.085	ok	1.085	1.025-1.145
1,1,2-Trichloroethane	11.40	9.21	1.238	ok	1.238	1.178-1.298
1,2,4-Trichlorobenzene	19.37	13.49	1.436	ok	1.436	1.376-1.496
1,2,3-Trichloropropane	14.78	13.49	1.096	ok	1.096	1.036-1.156
1,2,3-Trimethylbenzene	17.18	13.49	1.274	ok	1.274	1.214-1.334
1,2,4-Trimethylbenzene	16.67	13.49	1.236	ok	1.236	1.176-1.296
1,3,5-Trimethylbenzene	16.18	13.49	1.199	ok	1.199	1.139-1.259
2,2,4-Trimethylpentane	9.90	9.21	1.075	ok	1.075	1.015-1.135
Tertiary Butyl Alcohol	5.79	7.49	0.773	ok	0.784	0.724-0.844
Tetrachloroethylene	12.83	13.49	0.951	ok	0.951	0.891-1.011
Tetrahydrofuran	7.99	7.49	1.067	ok	1.074	1.014-1.134
Toluene	11.68	9.21	1.268	ok	1.268	1.208-1.328
Trichloroethylene	9.88	9.21	1.073	ok	1.072	1.012-1.132
Trichlorofluoromethane	5.21	7.49	0.696	ok	0.696	0.636-0.756
Vinyl chloride	4.30	7.49	0.574	ok	0.574	0.514-0.634
Vinyl Acetate	6.77	7.49	0.904	ok	0.907	0.847-0.967
m,p-Xylene	14.14	13.49	1.048	ok	1.048	0.988-1.108
o-Xylene	14.64	13.49	1.085	ok	1.086	1.026-1.146
TVHC As Equiv Pentane	5.45	13.49	0.404	ok	0.404	0.344-0.464

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.49	ok	7.49	7.16-7.82	104948	ok	104071	62443-145699
1,4-Difluorobenzene	9.21	ok	9.21	8.88-9.54	544279	ok	522754	313652-731856
Chlorobenzene-D5	13.49	ok	13.49	13.16-13.82	359442	ok	315123	189074-441172

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W3499-IC3499	3W88655.D	09/09/24 03:09	BK	0.04	GCMS3W	TO-15	
V3W3499-IC3499	3W88656.D	09/09/24 03:49	BK	0.1	GCMS3W	TO-15	
V3W3499-IC3499	3W88657.D	09/09/24 04:30	BK	0.2	GCMS3W	TO-15	
V3W3499-IC3499	3W88659.D	09/09/24 05:54	BK	0.5	GCMS3W	TO-15	
V3W3499-IC3499	3W88661.D	09/09/24 07:18	BK	5	GCMS3W	TO-15	
V3W3499-ICC3499	3W88662.D	09/09/24 07:57	BK	10	GCMS3W	TO-15	
V3W3499-IC3499	3W88663.D	09/09/24 08:38	BK	20	GCMS3W	TO-15	
V3W3499-IC3499	3W88664.D	09/09/24 09:22	BK	40	GCMS3W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	5.11	7.50	0.681	ok	0.691	0.631-0.751
Acrolein	5.02	7.50	0.669	ok	0.673	0.613-0.733
Acrylonitrile	5.44	7.50	0.725	ok	0.728	0.668-0.788
Acetonitrile	4.92	7.50	0.656	ok	0.661	0.601-0.721
1,3-Butadiene	4.39	7.50	0.585	ok	0.587	0.527-0.647
Benzene	8.90	9.22	0.965	ok	0.966	0.906-1.026
Bromobenzene	15.41	13.50	1.141	ok	1.141	1.081-1.201
Bromodichloromethane	9.85	9.22	1.068	ok	1.068	1.008-1.128
Bromoform	14.22	13.50	1.053	ok	1.054	0.994-1.114
Bromomethane	4.58	7.50	0.611	ok	0.611	0.551-0.671
Bromoethene	4.92	7.50	0.656	ok	0.658	0.598-0.718
n-Butane	4.43	7.50	0.591	ok	0.591	0.531-0.651
Benzyl Chloride	16.84	13.50	1.247	ok	1.248	1.188-1.308
n-Butylbenzene	17.69	13.50	1.310	ok	1.311	1.251-1.371
sec-Butylbenzene	16.99	13.50	1.259	ok	1.259	1.199-1.319
tert-Butylbenzene	16.67	13.50	1.235	ok	1.235	1.175-1.295
Carbon disulfide	6.01	7.50	0.801	ok	0.802	0.742-0.862
Chlorobenzene	13.55	13.50	1.004	ok	1.004	0.944-1.064
Chlorodifluoromethane	3.98	7.50	0.531	ok	0.531	0.471-0.591
Chloroethane	4.69	7.50	0.625	ok	0.626	0.566-0.686
Chlorotrifluoroethene	4.00	7.50	0.533	ok	0.534	0.474-0.594
Chloroform	7.61	7.50	1.015	ok	1.015	0.955-1.075
Chloromethane	4.16	7.50	0.555	ok	0.555	0.495-0.615
3-Chloropropene	5.85	7.50	0.780	ok	0.782	0.722-0.842
2-Chlorotoluene	15.86	13.50	1.175	ok	1.176	1.116-1.236
Carbon tetrachloride	9.03	7.50	1.204	ok	1.205	1.145-1.265
Cyclohexane	9.15	9.22	0.992	ok	0.992	0.932-1.052
1,1-Dichloroethane	6.66	7.50	0.888	ok	0.888	0.828-0.948
1,1-Dichloroethylene	5.67	7.50	0.756	ok	0.757	0.697-0.817
1,2-Dibromoethane (EDB)	12.36	13.50	0.916	ok	0.916	0.856-0.976
1,2-Dichloroethane	8.26	7.50	1.101	ok	1.101	1.041-1.161
1,2-Dichloropropane	9.66	9.22	1.048	ok	1.049	0.989-1.109
1,3-Dichloropropane	11.71	9.22	1.270	ok	1.271	1.211-1.331
1,4-Dioxane	9.92	9.22	1.076	ok	1.085	1.025-1.145
Dichlorodifluoromethane	4.05	7.50	0.540	ok	0.540	0.480-0.600
Dichlorofluoromethane	4.74	7.50	0.632	ok	0.633	0.573-0.693
Dibromochloromethane	12.12	13.50	0.898	ok	0.897	0.837-0.957
Dibromomethane	9.64	9.22	1.046	ok	1.046	0.986-1.106
trans-1,2-Dichloroethylene	6.49	7.50	0.865	ok	0.866	0.806-0.926
cis-1,2-Dichloroethylene	7.35	7.50	0.980	ok	0.981	0.921-1.041

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W3499-IC3499	3W88655.D	09/09/24 03:09	BK	0.04	GCMS3W	TO-15	
V3W3499-IC3499	3W88656.D	09/09/24 03:49	BK	0.1	GCMS3W	TO-15	
V3W3499-IC3499	3W88657.D	09/09/24 04:30	BK	0.2	GCMS3W	TO-15	
V3W3499-IC3499	3W88659.D	09/09/24 05:54	BK	0.5	GCMS3W	TO-15	
V3W3499-IC3499	3W88661.D	09/09/24 07:18	BK	5	GCMS3W	TO-15	
V3W3499-ICC3499	3W88662.D	09/09/24 07:57	BK	10	GCMS3W	TO-15	
V3W3499-IC3499	3W88663.D	09/09/24 08:38	BK	20	GCMS3W	TO-15	
V3W3499-IC3499	3W88664.D	09/09/24 09:22	BK	40	GCMS3W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,3-Dichloropropene	10.72	9.22	1.163	ok	1.162	1.102-1.222
m-Dichlorobenzene	16.85	13.50	1.248	ok	1.249	1.189-1.309
o-Dichlorobenzene	17.34	13.50	1.284	ok	1.285	1.225-1.345
p-Dichlorobenzene	16.93	13.50	1.254	ok	1.255	1.195-1.315
trans-1,3-Dichloropropene	11.23	9.22	1.218	ok	1.219	1.159-1.279
Di-Isopropyl ether	7.52	7.50	1.003	ok	1.010	0.950-1.070
2,3-Dimethylpentane	9.36	9.22	1.015	ok	1.015	0.955-1.075
2,4-Dimethylpentane	8.29	7.50	1.105	ok	1.105	1.045-1.165
Ethanol	4.79	7.50	0.639	ok	0.645	0.585-0.705
Ethylbenzene	13.94	13.50	1.033	ok	1.033	0.973-1.093
Ethyl Acetate	7.55	7.50	1.007	ok	1.014	0.954-1.074
Ethyl Acrylate	9.67	9.22	1.049	ok	1.053	0.993-1.113
4-Ethyltoluene	16.09	13.50	1.192	ok	1.193	1.133-1.253
Freon 113	5.95	7.50	0.793	ok	0.794	0.734-0.854
Freon 114	4.22	7.50	0.563	ok	0.564	0.504-0.624
Freon 115	3.87	7.50	0.516	ok	0.517	0.457-0.577
Freon 123	5.02	7.50	0.669	ok	0.670	0.610-0.730
Freon 123A	5.05	7.50	0.673	ok	0.674	0.614-0.734
Freon 142B	4.14	7.50	0.552	ok	0.553	0.493-0.613
Freon 152A	3.95	7.50	0.527	ok	0.527	0.467-0.587
Heptane	10.16	9.22	1.102	ok	1.101	1.041-1.161
Hexachlorobutadiene	19.91	13.50	1.475	ok	1.476	1.416-1.536
Hexachloroethane	18.13	13.50	1.343	ok	1.344	1.284-1.404
Hexane	7.51	7.50	1.001	ok	1.001	0.941-1.061
2-Hexanone	11.98	13.50	0.887	ok	0.891	0.831-0.951
Iodomethane	5.63	7.50	0.751	ok	0.752	0.692-0.812
Isopropylbenzene	15.31	13.50	1.134	ok	1.135	1.075-1.195
Isopropyl Alcohol	5.31	7.50	0.708	ok	0.718	0.658-0.778
p-Isopropyltoluene	17.19	13.50	1.273	ok	1.274	1.214-1.334
Methylene chloride	5.76	7.50	0.768	ok	0.769	0.709-0.829
Methyl ethyl ketone	7.01	7.50	0.935	ok	0.943	0.883-1.003
Methyl Isobutyl Ketone	10.78	9.22	1.169	ok	1.175	1.115-1.235
Methyl Tert Butyl Ether	6.72	7.50	0.896	ok	0.905	0.845-0.965
Methylmethacrylate	10.08	9.22	1.093	ok	1.096	1.036-1.156
Naphthalene	19.49	13.50	1.444	ok	1.445	1.385-1.505
Nonane	14.90	13.50	1.104	ok	1.104	1.044-1.164
Octane	12.69	13.50	0.940	ok	0.940	0.880-1.000
Pentane	5.45	7.50	0.727	ok	0.728	0.668-0.788
n-Propylbenzene	15.91	13.50	1.179	ok	1.179	1.119-1.239
Propylene	3.99	7.50	0.532	ok	0.533	0.473-0.593

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W3499-IC3499	3W88655.D	09/09/24 03:09	BK	0.04	GCMS3W	TO-15	
V3W3499-IC3499	3W88656.D	09/09/24 03:49	BK	0.1	GCMS3W	TO-15	
V3W3499-IC3499	3W88657.D	09/09/24 04:30	BK	0.2	GCMS3W	TO-15	
V3W3499-IC3499	3W88659.D	09/09/24 05:54	BK	0.5	GCMS3W	TO-15	
V3W3499-IC3499	3W88661.D	09/09/24 07:18	BK	5	GCMS3W	TO-15	
V3W3499-ICC3499	3W88662.D	09/09/24 07:57	BK	10	GCMS3W	TO-15	
V3W3499-IC3499	3W88663.D	09/09/24 08:38	BK	20	GCMS3W	TO-15	
V3W3499-IC3499	3W88664.D	09/09/24 09:22	BK	40	GCMS3W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Styrene	14.53	13.50	1.076	ok	1.077	1.017-1.137
1,1,1-Trichloroethane	8.48	7.50	1.131	ok	1.131	1.071-1.191
1,1,1,2-Tetrachloroethane	13.53	13.50	1.002	ok	1.003	0.943-1.063
1,1,2,2-Tetrachloroethane	14.65	13.50	1.085	ok	1.085	1.025-1.145
1,1,2-Trichloroethane	11.41	9.22	1.238	ok	1.238	1.178-1.298
1,2,4-Trichlorobenzene	19.37	13.50	1.435	ok	1.436	1.376-1.496
1,2,3-Trichloropropane	14.79	13.50	1.096	ok	1.096	1.036-1.156
1,2,3-Trimethylbenzene	17.18	13.50	1.273	ok	1.274	1.214-1.334
1,2,4-Trimethylbenzene	16.68	13.50	1.236	ok	1.236	1.176-1.296
1,3,5-Trimethylbenzene	16.19	13.50	1.199	ok	1.199	1.139-1.259
2,2,4-Trimethylpentane	9.90	9.22	1.074	ok	1.075	1.015-1.135
Tertiary Butyl Alcohol	5.77	7.50	0.769	ok	0.784	0.724-0.844
Tetrachloroethylene	12.83	13.50	0.950	ok	0.951	0.891-1.011
Tetrahydrofuran	7.98	7.50	1.064	ok	1.074	1.014-1.134
Toluene	11.68	9.22	1.267	ok	1.268	1.208-1.328
Trichloroethylene	9.88	9.22	1.072	ok	1.072	1.012-1.132
Trichlorofluoromethane	5.21	7.50	0.695	ok	0.696	0.636-0.756
Vinyl chloride	4.30	7.50	0.573	ok	0.574	0.514-0.634
Vinyl Acetate	6.77	7.50	0.903	ok	0.907	0.847-0.967
m,p-Xylene	14.14	13.50	1.047	ok	1.048	0.988-1.108
o-Xylene	14.65	13.50	1.085	ok	1.086	1.026-1.146
TVHC As Equiv Pentane	5.45	13.50	0.404	ok	0.404	0.344-0.464

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.50	ok	7.49	7.16-7.82	107057	ok	104071	62443-145699
1,4-Difluorobenzene	9.22	ok	9.21	8.88-9.54	556434	ok	522754	313652-731856
Chlorobenzene-D5	13.50	ok	13.49	13.16-13.82	430828	ok	315123	189074-441172

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	Reporting this level
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
1,3-Butadiene	4.04	7.66	0.527	ok	0.526	0.466-0.586
Benzene	9.40	9.83	0.956	ok	0.956	0.896-1.016
Bromobenzene	17.92	15.35	1.167	ok	1.167	1.107-1.227
Bromodichloromethane	10.61	9.83	1.079	ok	1.079	1.019-1.139
Bromoethene	4.63	7.66	0.604	ok	0.602	0.542-0.662
n-Butylbenzene	20.86	15.35	1.359	ok	1.359	1.299-1.419
sec-Butylbenzene	20.03	15.35	1.305	ok	1.304	1.244-1.364
Carbon disulfide	5.85	7.66	0.764	ok	0.763	0.703-0.823
Chlorobenzene	15.41	15.35	1.004	ok	1.004	0.944-1.064
Chlorodifluoromethane	3.58	7.66	0.467	ok	0.467	0.407-0.527
Chloroethane	4.37	7.66	0.570	ok	0.568	0.508-0.628
Chlorotrifluoroethene	3.61	7.66	0.471	ok	0.471	0.411-0.531
Chloroform	7.81	7.66	1.020	ok	1.018	0.958-1.078
Chloromethane	3.78	7.66	0.493	ok	0.492	0.432-0.552
3-Chloropropene	5.69	7.66	0.743	ok	0.743	0.683-0.803
2-Chlorotoluene	18.56	15.35	1.209	ok	1.209	1.149-1.269
Carbon tetrachloride	9.57	7.66	1.249	ok	1.248	1.188-1.308
Cyclohexane	9.69	9.83	0.986	ok	0.986	0.926-1.046
1,1-Dichloroethane	6.65	7.66	0.868	ok	0.867	0.807-0.927
1,1-Dichloroethylene	5.49	7.66	0.717	ok	0.715	0.655-0.775
1,2-Dibromoethane (EDB)	13.85	15.35	0.902	ok	0.901	0.841-0.961
1,2-Dichloroethane	8.61	7.66	1.124	ok	1.123	1.063-1.183
1,2-Dichloropropane	10.37	9.83	1.055	ok	1.054	0.994-1.114
1,3-Dichloropropane	13.03	9.83	1.326	ok	1.323	1.263-1.383
Dichlorodifluoromethane	3.66	7.66	0.478	ok	0.477	0.417-0.537
Dichlorofluoromethane	4.42	7.66	0.577	ok	0.576	0.516-0.636
Dibromochloromethane	13.52	15.35	0.881	ok	0.880	0.820-0.940
Dibromomethane	10.35	9.83	1.053	ok	1.052	0.992-1.112
trans-1,2-Dichloroethylene	6.45	7.66	0.842	ok	0.842	0.782-0.902
cis-1,2-Dichloroethylene	7.49	7.66	0.978	ok	0.978	0.918-1.038
cis-1,3-Dichloropropene	11.76	9.83	1.196	ok	1.194	1.134-1.254
m-Dichlorobenzene	19.83	15.35	1.292	ok	1.291	1.231-1.351
o-Dichlorobenzene	20.42	15.35	1.330	ok	1.330	1.270-1.390
p-Dichlorobenzene	19.94	15.35	1.299	ok	1.298	1.238-1.358
trans-1,3-Dichloropropene	12.44	9.83	1.266	ok	1.263	1.203-1.323
2,3-Dimethylpentane	10.00	9.83	1.017	ok	1.017	0.957-1.077
2,4-Dimethylpentane	8.67	7.66	1.132	ok	1.130	1.070-1.190
Ethylbenzene	15.97	15.35	1.040	ok	1.040	0.980-1.100
4-Ethyltoluene	18.89	15.35	1.231	ok	1.230	1.170-1.290

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	Reporting this level
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Freon 113	5.82	7.66	0.760	ok	0.759	0.699-0.819
Freon 114	3.84	7.66	0.501	ok	0.501	0.441-0.561
Freon 115	3.47	7.66	0.453	ok	0.452	0.392-0.512
Freon 123	4.74	7.66	0.619	ok	0.617	0.557-0.677
Freon 123A	4.78	7.66	0.624	ok	0.623	0.563-0.683
Freon 142B	3.76	7.66	0.491	ok	0.489	0.429-0.549
Freon 152A	3.55	7.66	0.463	ok	0.463	0.403-0.523
Heptane	11.04	9.83	1.123	ok	1.122	1.062-1.182
Hexachlorobutadiene	23.37	15.35	1.522	ok	1.522	1.462-1.582
Hexachloroethane	21.32	15.35	1.389	ok	1.389	1.329-1.449
Hexane	7.71	7.66	1.007	ok	1.005	0.945-1.065
Iodomethane	5.42	7.66	0.708	ok	0.707	0.647-0.767
Isopropylbenzene	17.82	15.35	1.161	ok	1.161	1.101-1.221
p-Isopropyltoluene	20.27	15.35	1.321	ok	1.320	1.260-1.380
Methylene chloride	5.60	7.66	0.731	ok	0.730	0.670-0.790
Methyl Tert Butyl Ether	6.81	7.66	0.889	ok	0.879	0.819-0.939
Nonane	17.31	15.35	1.128	ok	1.128	1.068-1.188
Octane	14.33	15.35	0.934	ok	0.934	0.874-0.994
Pentane	5.23	7.66	0.683	ok	0.682	0.622-0.742
n-Propylbenzene	18.64	15.35	1.214	ok	1.214	1.154-1.274
Propylene	3.60	7.66	0.470	ok	0.469	0.409-0.529
Styrene	16.78	15.35	1.093	ok	1.092	1.032-1.152
1,1,1-Trichloroethane	8.87	7.66	1.158	ok	1.157	1.097-1.217
1,1,1,2-Tetrachloroethane	15.39	15.35	1.003	ok	1.003	0.943-1.063
1,1,2,2-Tetrachloroethane	16.93	15.35	1.103	ok	1.102	1.042-1.162
1,1,2-Trichloroethane	12.63	9.83	1.285	ok	1.283	1.223-1.343
1,2,3-Trichloropropane	17.11	15.35	1.115	ok	1.114	1.054-1.174
1,2,3-Trimethylbenzene	20.24	15.35	1.319	ok	1.318	1.258-1.378
1,2,4-Trimethylbenzene	19.64	15.35	1.279	ok	1.279	1.219-1.339
1,3,5-Trimethylbenzene	19.02	15.35	1.239	ok	1.239	1.179-1.299
2,2,4-Trimethylpentane	10.69	9.83	1.087	ok	1.087	1.027-1.147
Tertiary Butyl Alcohol	5.66	7.66	0.739	ok	0.729	0.669-0.789
Tetrachloroethylene	14.47	15.35	0.943	ok	0.943	0.883-1.003
Toluene	12.98	9.83	1.320	ok	1.319	1.259-1.379
Trichloroethylene	10.65	9.83	1.083	ok	1.083	1.023-1.143
Trichlorofluoromethane	4.95	7.66	0.646	ok	0.645	0.585-0.705
Vinyl chloride	3.93	7.66	0.513	ok	0.512	0.452-0.572
m,p-Xylene	16.23	15.35	1.057	ok	1.058	0.998-1.118
o-Xylene	16.91	15.35	1.102	ok	1.101	1.041-1.161

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	Reporting this level
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
TVHC As Equiv Pentane	5.23	15.35	0.341	ok	0.341	0.281-0.401

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.66	ok	7.67	7.34-8.00	339655	ok	339251	203551-474951
1,4-Difluorobenzene	9.83	ok	9.83	9.50-10.16	1562017	ok	1491175	894705-2087645
Chlorobenzene-D5	15.35	ok	15.35	15.02-15.68	815644	ok	882807	529684-1235930

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	Reporting this level
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acrolein	4.74	7.67	0.618	ok	0.615	0.555-0.675
Acetonitrile	4.65	7.67	0.606	ok	0.603	0.543-0.663
1,3-Butadiene	4.04	7.67	0.527	ok	0.526	0.466-0.586
Benzene	9.40	9.83	0.956	ok	0.956	0.896-1.016
Bromobenzene	17.92	15.35	1.167	ok	1.167	1.107-1.227
Bromodichloromethane	10.61	9.83	1.079	ok	1.079	1.019-1.139
Bromomethane	4.23	7.67	0.551	ok	0.551	0.491-0.611
Bromoethene	4.62	7.67	0.602	ok	0.602	0.542-0.662
n-Butane	4.07	7.67	0.531	ok	0.530	0.470-0.590
n-Butylbenzene	20.85	15.35	1.358	ok	1.359	1.299-1.419
sec-Butylbenzene	20.02	15.35	1.304	ok	1.304	1.244-1.364
tert-Butylbenzene	19.62	15.35	1.278	ok	1.278	1.218-1.338
Carbon disulfide	5.86	7.67	0.764	ok	0.763	0.703-0.823
Chlorobenzene	15.41	15.35	1.004	ok	1.004	0.944-1.064
Chlorodifluoromethane	3.59	7.67	0.468	ok	0.467	0.407-0.527
Chloroethane	4.37	7.67	0.570	ok	0.568	0.508-0.628
Chlorotrifluoroethene	3.61	7.67	0.471	ok	0.471	0.411-0.531
Chloroform	7.81	7.67	1.018	ok	1.018	0.958-1.078
Chloromethane	3.78	7.67	0.493	ok	0.492	0.432-0.552
3-Chloropropene	5.71	7.67	0.744	ok	0.743	0.683-0.803
2-Chlorotoluene	18.55	15.35	1.208	ok	1.209	1.149-1.269
Carbon tetrachloride	9.57	7.67	1.248	ok	1.248	1.188-1.308
Cyclohexane	9.71	9.83	0.988	ok	0.986	0.926-1.046
1,1-Dichloroethane	6.65	7.67	0.867	ok	0.867	0.807-0.927
1,1-Dichloroethylene	5.48	7.67	0.714	ok	0.715	0.655-0.775
1,2-Dibromoethane (EDB)	13.84	15.35	0.902	ok	0.901	0.841-0.961
1,2-Dichloroethane	8.61	7.67	1.123	ok	1.123	1.063-1.183
1,2-Dichloropropane	10.37	9.83	1.055	ok	1.054	0.994-1.114
1,3-Dichloropropane	13.02	9.83	1.325	ok	1.323	1.263-1.383
1,4-Dioxane	10.80	9.83	1.099	ok	1.089	1.029-1.149
Dichlorodifluoromethane	3.66	7.67	0.477	ok	0.477	0.417-0.537
Dichlorofluoromethane	4.43	7.67	0.578	ok	0.576	0.516-0.636
Dibromochloromethane	13.52	15.35	0.881	ok	0.880	0.820-0.940
Dibromomethane	10.34	9.83	1.052	ok	1.052	0.992-1.112
trans-1,2-Dichloroethylene	6.46	7.67	0.842	ok	0.842	0.782-0.902
cis-1,2-Dichloroethylene	7.50	7.67	0.978	ok	0.978	0.918-1.038
cis-1,3-Dichloropropene	11.74	9.83	1.194	ok	1.194	1.134-1.254
m-Dichlorobenzene	19.82	15.35	1.291	ok	1.291	1.231-1.351
o-Dichlorobenzene	20.41	15.35	1.330	ok	1.330	1.270-1.390

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	Reporting this level
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
p-Dichlorobenzene	19.93	15.35	1.298	ok	1.298	1.238-1.358
trans-1,3-Dichloropropene	12.43	9.83	1.264	ok	1.263	1.203-1.323
Di-Isopropyl ether	7.78	7.67	1.014	ok	1.008	0.948-1.068
2,3-Dimethylpentane	10.00	9.83	1.017	ok	1.017	0.957-1.077
2,4-Dimethylpentane	8.67	7.67	1.130	ok	1.130	1.070-1.190
Ethylbenzene	15.96	15.35	1.040	ok	1.040	0.980-1.100
Ethyl Acetate	7.83	7.67	1.021	ok	1.013	0.953-1.073
Ethyl Acrylate	10.50	9.83	1.068	ok	1.062	1.002-1.122
4-Ethyltoluene	18.88	15.35	1.230	ok	1.230	1.170-1.290
Freon 113	5.83	7.67	0.760	ok	0.759	0.699-0.819
Freon 114	3.85	7.67	0.502	ok	0.501	0.441-0.561
Freon 115	3.47	7.67	0.452	ok	0.452	0.392-0.512
Freon 123	4.74	7.67	0.618	ok	0.617	0.557-0.677
Freon 123A	4.79	7.67	0.625	ok	0.623	0.563-0.683
Freon 142B	3.76	7.67	0.490	ok	0.489	0.429-0.549
Freon 152A	3.55	7.67	0.463	ok	0.463	0.403-0.523
Heptane	11.03	9.83	1.122	ok	1.122	1.062-1.182
Hexachlorobutadiene	23.36	15.35	1.522	ok	1.522	1.462-1.582
Hexachloroethane	21.32	15.35	1.389	ok	1.389	1.329-1.449
Hexane	7.71	7.67	1.005	ok	1.005	0.945-1.065
2-Hexanone	13.45	15.35	0.876	ok	0.872	0.812-0.932
Iodomethane	5.42	7.67	0.707	ok	0.707	0.647-0.767
Isopropylbenzene	17.82	15.35	1.161	ok	1.161	1.101-1.221
Isopropyl Alcohol	5.09	7.67	0.664	ok	0.659	0.599-0.719
p-Isopropyltoluene	20.27	15.35	1.321	ok	1.320	1.260-1.380
Methylene chloride	5.60	7.67	0.730	ok	0.730	0.670-0.790
Methyl ethyl ketone	7.16	7.67	0.934	ok	0.924	0.864-0.984
Methyl Isobutyl Ketone	11.89	9.83	1.210	ok	1.202	1.142-1.262
Methyl Tert Butyl Ether	6.79	7.67	0.885	ok	0.879	0.819-0.939
Methylmethacrylate	10.99	9.83	1.118	ok	1.114	1.054-1.174
Nonane	17.31	15.35	1.128	ok	1.128	1.068-1.188
Octane	14.33	15.35	0.934	ok	0.934	0.874-0.994
Pentane	5.24	7.67	0.683	ok	0.682	0.622-0.742
n-Propylbenzene	18.64	15.35	1.214	ok	1.214	1.154-1.274
Propylene	3.61	7.67	0.471	ok	0.469	0.409-0.529
Styrene	16.77	15.35	1.093	ok	1.092	1.032-1.152
1,1,1-Trichloroethane	8.87	7.67	1.156	ok	1.157	1.097-1.217
1,1,1,2-Tetrachloroethane	15.39	15.35	1.003	ok	1.003	0.943-1.063
1,1,2,2-Tetrachloroethane	16.91	15.35	1.102	ok	1.102	1.042-1.162

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	Reporting this level
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
1,1,2-Trichloroethane	12.62	9.83	1.284	ok	1.283	1.223-1.343
1,2,3-Trichloropropane	17.11	15.35	1.115	ok	1.114	1.054-1.174
1,2,3-Trimethylbenzene	20.24	15.35	1.319	ok	1.318	1.258-1.378
1,2,4-Trimethylbenzene	19.64	15.35	1.279	ok	1.279	1.219-1.339
1,3,5-Trimethylbenzene	19.02	15.35	1.239	ok	1.239	1.179-1.299
2,2,4-Trimethylpentane	10.68	9.83	1.086	ok	1.087	1.027-1.147
Tertiary Butyl Alcohol	5.65	7.67	0.737	ok	0.729	0.669-0.789
Tetrachloroethylene	14.47	15.35	0.943	ok	0.943	0.883-1.003
Tetrahydrofuran	8.37	7.67	1.091	ok	1.079	1.019-1.139
Toluene	12.97	9.83	1.319	ok	1.319	1.259-1.379
Trichloroethylene	10.65	9.83	1.083	ok	1.083	1.023-1.143
Trichlorofluoromethane	4.95	7.67	0.645	ok	0.645	0.585-0.705
Vinyl chloride	3.93	7.67	0.512	ok	0.512	0.452-0.572
m,p-Xylene	16.23	15.35	1.057	ok	1.058	0.998-1.118
o-Xylene	16.91	15.35	1.102	ok	1.101	1.041-1.161
TVHC As Equiv Pentane	5.23	15.35	0.341	ok	0.341	0.281-0.401

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.67	ok	7.67	7.34-8.00	333430	ok	339251	203551-474951
1,4-Difluorobenzene	9.83	ok	9.83	9.50-10.16	1533309	ok	1491175	894705-2087645
Chlorobenzene-D5	15.35	ok	15.35	15.02-15.68	804190	ok	882807	529684-1235930

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	Reporting this level
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	4.86	7.66	0.634	ok	0.630	0.570-0.690
Acrolein	4.73	7.66	0.617	ok	0.615	0.555-0.675
Acrylonitrile	5.22	7.66	0.681	ok	0.679	0.619-0.739
Acetonitrile	4.64	7.66	0.606	ok	0.603	0.543-0.663
1,3-Butadiene	4.03	7.66	0.526	ok	0.526	0.466-0.586
Benzene	9.39	9.83	0.955	ok	0.956	0.896-1.016
Bromobenzene	17.91	15.35	1.167	ok	1.167	1.107-1.227
Bromodichloromethane	10.61	9.83	1.079	ok	1.079	1.019-1.139
Bromoform	16.29	15.35	1.061	ok	1.062	1.002-1.122
Bromomethane	4.23	7.66	0.552	ok	0.551	0.491-0.611
Bromoethene	4.62	7.66	0.603	ok	0.602	0.542-0.662
n-Butane	4.07	7.66	0.531	ok	0.530	0.470-0.590
Benzyl Chloride	19.82	15.35	1.291	ok	1.291	1.231-1.351
n-Butylbenzene	20.86	15.35	1.359	ok	1.359	1.299-1.419
sec-Butylbenzene	20.01	15.35	1.304	ok	1.304	1.244-1.364
tert-Butylbenzene	19.61	15.35	1.278	ok	1.278	1.218-1.338
Carbon disulfide	5.85	7.66	0.764	ok	0.763	0.703-0.823
Chlorobenzene	15.41	15.35	1.004	ok	1.004	0.944-1.064
Chlorodifluoromethane	3.58	7.66	0.467	ok	0.467	0.407-0.527
Chloroethane	4.36	7.66	0.569	ok	0.568	0.508-0.628
Chlorotrifluoroethene	3.61	7.66	0.471	ok	0.471	0.411-0.531
Chloroform	7.80	7.66	1.018	ok	1.018	0.958-1.078
Chloromethane	3.77	7.66	0.492	ok	0.492	0.432-0.552
3-Chloropropene	5.70	7.66	0.744	ok	0.743	0.683-0.803
2-Chlorotoluene	18.55	15.35	1.208	ok	1.209	1.149-1.269
Carbon tetrachloride	9.57	7.66	1.249	ok	1.248	1.188-1.308
Cyclohexane	9.70	9.83	0.987	ok	0.986	0.926-1.046
1,1-Dichloroethane	6.65	7.66	0.868	ok	0.867	0.807-0.927
1,1-Dichloroethylene	5.48	7.66	0.715	ok	0.715	0.655-0.775
1,2-Dibromoethane (EDB)	13.84	15.35	0.902	ok	0.901	0.841-0.961
1,2-Dichloroethane	8.61	7.66	1.124	ok	1.123	1.063-1.183
1,2-Dichloropropane	10.37	9.83	1.055	ok	1.054	0.994-1.114
1,3-Dichloropropane	13.02	9.83	1.325	ok	1.323	1.263-1.383
1,4-Dioxane	10.78	9.83	1.097	ok	1.089	1.029-1.149
Dichlorodifluoromethane	3.66	7.66	0.478	ok	0.477	0.417-0.537
Dichlorofluoromethane	4.42	7.66	0.577	ok	0.576	0.516-0.636
Dibromochloromethane	13.51	15.35	0.880	ok	0.880	0.820-0.940
Dibromomethane	10.34	9.83	1.052	ok	1.052	0.992-1.112
trans-1,2-Dichloroethylene	6.46	7.66	0.843	ok	0.842	0.782-0.902

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	Reporting this level
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	7.50	7.66	0.979	ok	0.978	0.918-1.038
cis-1,3-Dichloropropene	11.74	9.83	1.194	ok	1.194	1.134-1.254
m-Dichlorobenzene	19.82	15.35	1.291	ok	1.291	1.231-1.351
o-Dichlorobenzene	20.41	15.35	1.330	ok	1.330	1.270-1.390
p-Dichlorobenzene	19.93	15.35	1.298	ok	1.298	1.238-1.358
trans-1,3-Dichloropropene	12.43	9.83	1.264	ok	1.263	1.203-1.323
Di-Isopropyl ether	7.77	7.66	1.014	ok	1.008	0.948-1.068
2,3-Dimethylpentane	10.00	9.83	1.017	ok	1.017	0.957-1.077
2,4-Dimethylpentane	8.67	7.66	1.132	ok	1.130	1.070-1.190
Ethylbenzene	15.96	15.35	1.040	ok	1.040	0.980-1.100
Ethyl Acetate	7.81	7.66	1.020	ok	1.013	0.953-1.073
Ethyl Acrylate	10.48	9.83	1.066	ok	1.062	1.002-1.122
4-Ethyltoluene	18.88	15.35	1.230	ok	1.230	1.170-1.290
Freon 113	5.82	7.66	0.760	ok	0.759	0.699-0.819
Freon 114	3.85	7.66	0.503	ok	0.501	0.441-0.561
Freon 115	3.46	7.66	0.452	ok	0.452	0.392-0.512
Freon 123	4.74	7.66	0.619	ok	0.617	0.557-0.677
Freon 123A	4.78	7.66	0.624	ok	0.623	0.563-0.683
Freon 142B	3.75	7.66	0.490	ok	0.489	0.429-0.549
Freon 152A	3.55	7.66	0.463	ok	0.463	0.403-0.523
Heptane	11.03	9.83	1.122	ok	1.122	1.062-1.182
Hexachlorobutadiene	23.36	15.35	1.522	ok	1.522	1.462-1.582
Hexachloroethane	21.32	15.35	1.389	ok	1.389	1.329-1.449
Hexane	7.71	7.66	1.007	ok	1.005	0.945-1.065
2-Hexanone	13.43	15.35	0.875	ok	0.872	0.812-0.932
Iodomethane	5.42	7.66	0.708	ok	0.707	0.647-0.767
Isopropylbenzene	17.82	15.35	1.161	ok	1.161	1.101-1.221
Isopropyl Alcohol	5.09	7.66	0.664	ok	0.659	0.599-0.719
p-Isopropyltoluene	20.27	15.35	1.321	ok	1.320	1.260-1.380
Methylene chloride	5.60	7.66	0.731	ok	0.730	0.670-0.790
Methyl ethyl ketone	7.14	7.66	0.932	ok	0.924	0.864-0.984
Methyl Isobutyl Ketone	11.87	9.83	1.208	ok	1.202	1.142-1.262
Methyl Tert Butyl Ether	6.78	7.66	0.885	ok	0.879	0.819-0.939
Methylmethacrylate	10.98	9.83	1.117	ok	1.114	1.054-1.174
Naphthalene	22.89	15.35	1.491	ok	1.491	1.431-1.551
Nonane	17.31	15.35	1.128	ok	1.128	1.068-1.188
Octane	14.33	15.35	0.934	ok	0.934	0.874-0.994
Pentane	5.23	7.66	0.683	ok	0.682	0.622-0.742
n-Propylbenzene	18.64	15.35	1.214	ok	1.214	1.154-1.274

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	Reporting this level
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Propylene	3.60	7.66	0.470	ok	0.469	0.409-0.529
Styrene	16.76	15.35	1.092	ok	1.092	1.032-1.152
1,1,1-Trichloroethane	8.87	7.66	1.158	ok	1.157	1.097-1.217
1,1,1,2-Tetrachloroethane	15.40	15.35	1.003	ok	1.003	0.943-1.063
1,1,2,2-Tetrachloroethane	16.91	15.35	1.102	ok	1.102	1.042-1.162
1,1,2-Trichloroethane	12.62	9.83	1.284	ok	1.283	1.223-1.343
1,2,4-Trichlorobenzene	23.22	15.35	1.513	ok	1.513	1.453-1.573
1,2,3-Trichloropropane	17.10	15.35	1.114	ok	1.114	1.054-1.174
1,2,3-Trimethylbenzene	20.23	15.35	1.318	ok	1.318	1.258-1.378
1,2,4-Trimethylbenzene	19.63	15.35	1.279	ok	1.279	1.219-1.339
1,3,5-Trimethylbenzene	19.02	15.35	1.239	ok	1.239	1.179-1.299
2,2,4-Trimethylpentane	10.68	9.83	1.086	ok	1.087	1.027-1.147
Tertiary Butyl Alcohol	5.64	7.66	0.736	ok	0.729	0.669-0.789
Tetrachloroethylene	14.47	15.35	0.943	ok	0.943	0.883-1.003
Tetrahydrofuran	8.34	7.66	1.089	ok	1.079	1.019-1.139
Toluene	12.97	9.83	1.319	ok	1.319	1.259-1.379
Trichloroethylene	10.65	9.83	1.083	ok	1.083	1.023-1.143
Trichlorofluoromethane	4.94	7.66	0.645	ok	0.645	0.585-0.705
Vinyl chloride	3.93	7.66	0.513	ok	0.512	0.452-0.572
Vinyl Acetate	6.84	7.66	0.893	ok	0.889	0.829-0.949
m,p-Xylene	16.24	15.35	1.058	ok	1.058	0.998-1.118
o-Xylene	16.91	15.35	1.102	ok	1.101	1.041-1.161
TVHC As Equiv Pentane	5.23	15.35	0.341	ok	0.341	0.281-0.401

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.66	ok	7.67	7.34-8.00	334972	ok	339251	203551-474951
1,4-Difluorobenzene	9.83	ok	9.83	9.50-10.16	1532765	ok	1491175	894705-2087645
Chlorobenzene-D5	15.35	ok	15.35	15.02-15.68	812540	ok	882807	529684-1235930

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	Reporting this level
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	4.85	7.66	0.633	ok	0.630	0.570-0.690
Acrolein	4.73	7.66	0.617	ok	0.615	0.555-0.675
Acrylonitrile	5.22	7.66	0.681	ok	0.679	0.619-0.739
Acetonitrile	4.63	7.66	0.604	ok	0.603	0.543-0.663
1,3-Butadiene	4.03	7.66	0.526	ok	0.526	0.466-0.586
Benzene	9.40	9.83	0.956	ok	0.956	0.896-1.016
Bromobenzene	17.91	15.35	1.167	ok	1.167	1.107-1.227
Bromodichloromethane	10.61	9.83	1.079	ok	1.079	1.019-1.139
Bromoform	16.29	15.35	1.061	ok	1.062	1.002-1.122
Bromomethane	4.23	7.66	0.552	ok	0.551	0.491-0.611
Bromoethene	4.62	7.66	0.603	ok	0.602	0.542-0.662
n-Butane	4.07	7.66	0.531	ok	0.530	0.470-0.590
Benzyl Chloride	19.81	15.35	1.291	ok	1.291	1.231-1.351
n-Butylbenzene	20.85	15.35	1.358	ok	1.359	1.299-1.419
sec-Butylbenzene	20.01	15.35	1.304	ok	1.304	1.244-1.364
tert-Butylbenzene	19.61	15.35	1.278	ok	1.278	1.218-1.338
Carbon disulfide	5.85	7.66	0.764	ok	0.763	0.703-0.823
Chlorobenzene	15.41	15.35	1.004	ok	1.004	0.944-1.064
Chlorodifluoromethane	3.58	7.66	0.467	ok	0.467	0.407-0.527
Chloroethane	4.36	7.66	0.569	ok	0.568	0.508-0.628
Chlorotrifluoroethene	3.61	7.66	0.471	ok	0.471	0.411-0.531
Chloroform	7.80	7.66	1.018	ok	1.018	0.958-1.078
Chloromethane	3.77	7.66	0.492	ok	0.492	0.432-0.552
3-Chloropropene	5.69	7.66	0.743	ok	0.743	0.683-0.803
2-Chlorotoluene	18.55	15.35	1.208	ok	1.209	1.149-1.269
Carbon tetrachloride	9.57	7.66	1.249	ok	1.248	1.188-1.308
Cyclohexane	9.70	9.83	0.987	ok	0.986	0.926-1.046
1,1-Dichloroethane	6.65	7.66	0.868	ok	0.867	0.807-0.927
1,1-Dichloroethylene	5.48	7.66	0.715	ok	0.715	0.655-0.775
1,2-Dibromoethane (EDB)	13.83	15.35	0.901	ok	0.901	0.841-0.961
1,2-Dichloroethane	8.61	7.66	1.124	ok	1.123	1.063-1.183
1,2-Dichloropropane	10.36	9.83	1.054	ok	1.054	0.994-1.114
1,3-Dichloropropane	13.02	9.83	1.325	ok	1.323	1.263-1.383
1,4-Dioxane	10.75	9.83	1.094	ok	1.089	1.029-1.149
Dichlorodifluoromethane	3.66	7.66	0.478	ok	0.477	0.417-0.537
Dichlorofluoromethane	4.42	7.66	0.577	ok	0.576	0.516-0.636
Dibromochloromethane	13.51	15.35	0.880	ok	0.880	0.820-0.940
Dibromomethane	10.34	9.83	1.052	ok	1.052	0.992-1.112
trans-1,2-Dichloroethylene	6.46	7.66	0.843	ok	0.842	0.782-0.902

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	Reporting this level
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	7.50	7.66	0.979	ok	0.978	0.918-1.038
cis-1,3-Dichloropropene	11.74	9.83	1.194	ok	1.194	1.134-1.254
m-Dichlorobenzene	19.82	15.35	1.291	ok	1.291	1.231-1.351
o-Dichlorobenzene	20.41	15.35	1.330	ok	1.330	1.270-1.390
p-Dichlorobenzene	19.92	15.35	1.298	ok	1.298	1.238-1.358
trans-1,3-Dichloropropene	12.42	9.83	1.263	ok	1.263	1.203-1.323
Di-Isopropyl ether	7.75	7.66	1.012	ok	1.008	0.948-1.068
2,3-Dimethylpentane	10.00	9.83	1.017	ok	1.017	0.957-1.077
2,4-Dimethylpentane	8.67	7.66	1.132	ok	1.130	1.070-1.190
Ethanol	4.48	7.66	0.585	ok	0.582	0.522-0.642
Ethylbenzene	15.96	15.35	1.040	ok	1.040	0.980-1.100
Ethyl Acetate	7.79	7.66	1.017	ok	1.013	0.953-1.073
Ethyl Acrylate	10.46	9.83	1.064	ok	1.062	1.002-1.122
4-Ethyltoluene	18.88	15.35	1.230	ok	1.230	1.170-1.290
Freon 113	5.82	7.66	0.760	ok	0.759	0.699-0.819
Freon 114	3.84	7.66	0.501	ok	0.501	0.441-0.561
Freon 115	3.47	7.66	0.453	ok	0.452	0.392-0.512
Freon 123	4.73	7.66	0.617	ok	0.617	0.557-0.677
Freon 123A	4.78	7.66	0.624	ok	0.623	0.563-0.683
Freon 142B	3.75	7.66	0.490	ok	0.489	0.429-0.549
Freon 152A	3.55	7.66	0.463	ok	0.463	0.403-0.523
Heptane	11.03	9.83	1.122	ok	1.122	1.062-1.182
Hexachlorobutadiene	23.36	15.35	1.522	ok	1.522	1.462-1.582
Hexachloroethane	21.32	15.35	1.389	ok	1.389	1.329-1.449
Hexane	7.71	7.66	1.007	ok	1.005	0.945-1.065
2-Hexanone	13.41	15.35	0.874	ok	0.872	0.812-0.932
Iodomethane	5.42	7.66	0.708	ok	0.707	0.647-0.767
Isopropylbenzene	17.81	15.35	1.160	ok	1.161	1.101-1.221
Isopropyl Alcohol	5.08	7.66	0.663	ok	0.659	0.599-0.719
p-Isopropyltoluene	20.27	15.35	1.321	ok	1.320	1.260-1.380
Methylene chloride	5.59	7.66	0.730	ok	0.730	0.670-0.790
Methyl ethyl ketone	7.11	7.66	0.928	ok	0.924	0.864-0.984
Methyl Isobutyl Ketone	11.85	9.83	1.205	ok	1.202	1.142-1.262
Methyl Tert Butyl Ether	6.76	7.66	0.883	ok	0.879	0.819-0.939
Methylmethacrylate	10.97	9.83	1.116	ok	1.114	1.054-1.174
Naphthalene	22.89	15.35	1.491	ok	1.491	1.431-1.551
Nonane	17.31	15.35	1.128	ok	1.128	1.068-1.188
Octane	14.33	15.35	0.934	ok	0.934	0.874-0.994
Pentane	5.23	7.66	0.683	ok	0.682	0.622-0.742

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	Reporting this level
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
n-Propylbenzene	18.64	15.35	1.214	ok	1.214	1.154-1.274
Propylene	3.60	7.66	0.470	ok	0.469	0.409-0.529
Styrene	16.75	15.35	1.091	ok	1.092	1.032-1.152
1,1,1-Trichloroethane	8.87	7.66	1.158	ok	1.157	1.097-1.217
1,1,1,2-Tetrachloroethane	15.39	15.35	1.003	ok	1.003	0.943-1.063
1,1,2,2-Tetrachloroethane	16.91	15.35	1.102	ok	1.102	1.042-1.162
1,1,2-Trichloroethane	12.62	9.83	1.284	ok	1.283	1.223-1.343
1,2,4-Trichlorobenzene	23.22	15.35	1.513	ok	1.513	1.453-1.573
1,2,3-Trichloropropane	17.10	15.35	1.114	ok	1.114	1.054-1.174
1,2,3-Trimethylbenzene	20.23	15.35	1.318	ok	1.318	1.258-1.378
1,2,4-Trimethylbenzene	19.63	15.35	1.279	ok	1.279	1.219-1.339
1,3,5-Trimethylbenzene	19.01	15.35	1.238	ok	1.239	1.179-1.299
2,2,4-Trimethylpentane	10.69	9.83	1.087	ok	1.087	1.027-1.147
Tertiary Butyl Alcohol	5.62	7.66	0.734	ok	0.729	0.669-0.789
Tetrachloroethylene	14.47	15.35	0.943	ok	0.943	0.883-1.003
Tetrahydrofuran	8.31	7.66	1.085	ok	1.079	1.019-1.139
Toluene	12.97	9.83	1.319	ok	1.319	1.259-1.379
Trichloroethylene	10.65	9.83	1.083	ok	1.083	1.023-1.143
Trichlorofluoromethane	4.94	7.66	0.645	ok	0.645	0.585-0.705
Vinyl chloride	3.93	7.66	0.513	ok	0.512	0.452-0.572
Vinyl Acetate	6.83	7.66	0.892	ok	0.889	0.829-0.949
m,p-Xylene	16.23	15.35	1.057	ok	1.058	0.998-1.118
o-Xylene	16.90	15.35	1.101	ok	1.101	1.041-1.161
TVHC As Equiv Pentane	5.23	15.35	0.341	ok	0.341	0.281-0.401

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.66	ok	7.67	7.34-8.00	330769	ok	339251	203551-474951
1,4-Difluorobenzene	9.83	ok	9.83	9.50-10.16	1512302	ok	1491175	894705-2087645
Chlorobenzene-D5	15.35	ok	15.35	15.02-15.68	803446	ok	882807	529684-1235930

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	Reporting this level
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	4.83	7.67	0.630	ok	0.630	0.570-0.690
Acrolein	4.71	7.67	0.614	ok	0.615	0.555-0.675
Acrylonitrile	5.20	7.67	0.678	ok	0.679	0.619-0.739
Acetonitrile	4.62	7.67	0.602	ok	0.603	0.543-0.663
1,3-Butadiene	4.03	7.67	0.525	ok	0.526	0.466-0.586
Benzene	9.40	9.83	0.956	ok	0.956	0.896-1.016
Bromobenzene	17.90	15.35	1.166	ok	1.167	1.107-1.227
Bromodichloromethane	10.61	9.83	1.079	ok	1.079	1.019-1.139
Bromoform	16.29	15.35	1.061	ok	1.062	1.002-1.122
Bromomethane	4.23	7.67	0.551	ok	0.551	0.491-0.611
Bromoethene	4.62	7.67	0.602	ok	0.602	0.542-0.662
n-Butane	4.07	7.67	0.531	ok	0.530	0.470-0.590
Benzyl Chloride	19.81	15.35	1.291	ok	1.291	1.231-1.351
n-Butylbenzene	20.85	15.35	1.358	ok	1.359	1.299-1.419
sec-Butylbenzene	20.01	15.35	1.304	ok	1.304	1.244-1.364
tert-Butylbenzene	19.61	15.35	1.278	ok	1.278	1.218-1.338
Carbon disulfide	5.85	7.67	0.763	ok	0.763	0.703-0.823
Chlorobenzene	15.41	15.35	1.004	ok	1.004	0.944-1.064
Chlorodifluoromethane	3.58	7.67	0.467	ok	0.467	0.407-0.527
Chloroethane	4.35	7.67	0.567	ok	0.568	0.508-0.628
Chlorotrifluoroethene	3.61	7.67	0.471	ok	0.471	0.411-0.531
Chloroform	7.81	7.67	1.018	ok	1.018	0.958-1.078
Chloromethane	3.77	7.67	0.492	ok	0.492	0.432-0.552
3-Chloropropene	5.69	7.67	0.742	ok	0.743	0.683-0.803
2-Chlorotoluene	18.55	15.35	1.208	ok	1.209	1.149-1.269
Carbon tetrachloride	9.57	7.67	1.248	ok	1.248	1.188-1.308
Cyclohexane	9.70	9.83	0.987	ok	0.986	0.926-1.046
1,1-Dichloroethane	6.65	7.67	0.867	ok	0.867	0.807-0.927
1,1-Dichloroethylene	5.48	7.67	0.714	ok	0.715	0.655-0.775
1,2-Dibromoethane (EDB)	13.82	15.35	0.900	ok	0.901	0.841-0.961
1,2-Dichloroethane	8.61	7.67	1.123	ok	1.123	1.063-1.183
1,2-Dichloropropane	10.36	9.83	1.054	ok	1.054	0.994-1.114
1,3-Dichloropropane	13.00	9.83	1.322	ok	1.323	1.263-1.383
1,4-Dioxane	10.69	9.83	1.087	ok	1.089	1.029-1.149
Dichlorodifluoromethane	3.65	7.67	0.476	ok	0.477	0.417-0.537
Dichlorofluoromethane	4.42	7.67	0.576	ok	0.576	0.516-0.636
Dibromochloromethane	13.51	15.35	0.880	ok	0.880	0.820-0.940
Dibromomethane	10.34	9.83	1.052	ok	1.052	0.992-1.112
trans-1,2-Dichloroethylene	6.45	7.67	0.841	ok	0.842	0.782-0.902

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	Reporting this level
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	7.50	7.67	0.978	ok	0.978	0.918-1.038
cis-1,3-Dichloropropene	11.73	9.83	1.193	ok	1.194	1.134-1.254
m-Dichlorobenzene	19.82	15.35	1.291	ok	1.291	1.231-1.351
o-Dichlorobenzene	20.41	15.35	1.330	ok	1.330	1.270-1.390
p-Dichlorobenzene	19.92	15.35	1.298	ok	1.298	1.238-1.358
trans-1,3-Dichloropropene	12.41	9.83	1.262	ok	1.263	1.203-1.323
Di-Isopropyl ether	7.72	7.67	1.007	ok	1.008	0.948-1.068
2,3-Dimethylpentane	10.00	9.83	1.017	ok	1.017	0.957-1.077
2,4-Dimethylpentane	8.66	7.67	1.129	ok	1.130	1.070-1.190
Ethanol	4.46	7.67	0.581	ok	0.582	0.522-0.642
Ethylbenzene	15.96	15.35	1.040	ok	1.040	0.980-1.100
Ethyl Acetate	7.76	7.67	1.012	ok	1.013	0.953-1.073
Ethyl Acrylate	10.42	9.83	1.060	ok	1.062	1.002-1.122
4-Ethyltoluene	18.88	15.35	1.230	ok	1.230	1.170-1.290
Freon 113	5.82	7.67	0.759	ok	0.759	0.699-0.819
Freon 114	3.84	7.67	0.501	ok	0.501	0.441-0.561
Freon 115	3.46	7.67	0.451	ok	0.452	0.392-0.512
Freon 123	4.73	7.67	0.617	ok	0.617	0.557-0.677
Freon 123A	4.78	7.67	0.623	ok	0.623	0.563-0.683
Freon 142B	3.75	7.67	0.489	ok	0.489	0.429-0.549
Freon 152A	3.55	7.67	0.463	ok	0.463	0.403-0.523
Heptane	11.03	9.83	1.122	ok	1.122	1.062-1.182
Hexachlorobutadiene	23.37	15.35	1.522	ok	1.522	1.462-1.582
Hexachloroethane	21.32	15.35	1.389	ok	1.389	1.329-1.449
Hexane	7.71	7.67	1.005	ok	1.005	0.945-1.065
2-Hexanone	13.37	15.35	0.871	ok	0.872	0.812-0.932
Iodomethane	5.42	7.67	0.707	ok	0.707	0.647-0.767
Isopropylbenzene	17.81	15.35	1.160	ok	1.161	1.101-1.221
Isopropyl Alcohol	5.04	7.67	0.657	ok	0.659	0.599-0.719
p-Isopropyltoluene	20.26	15.35	1.320	ok	1.320	1.260-1.380
Methylene chloride	5.59	7.67	0.729	ok	0.730	0.670-0.790
Methyl ethyl ketone	7.06	7.67	0.920	ok	0.924	0.864-0.984
Methyl Isobutyl Ketone	11.80	9.83	1.200	ok	1.202	1.142-1.262
Methyl Tert Butyl Ether	6.71	7.67	0.875	ok	0.879	0.819-0.939
Methylmethacrylate	10.94	9.83	1.113	ok	1.114	1.054-1.174
Naphthalene	22.88	15.35	1.491	ok	1.491	1.431-1.551
Nonane	17.31	15.35	1.128	ok	1.128	1.068-1.188
Octane	14.33	15.35	0.934	ok	0.934	0.874-0.994
Pentane	5.23	7.67	0.682	ok	0.682	0.622-0.742

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	Reporting this level
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
n-Propylbenzene	18.64	15.35	1.214	ok	1.214	1.154-1.274
Propylene	3.60	7.67	0.469	ok	0.469	0.409-0.529
Styrene	16.75	15.35	1.091	ok	1.092	1.032-1.152
1,1,1-Trichloroethane	8.87	7.67	1.156	ok	1.157	1.097-1.217
1,1,1,2-Tetrachloroethane	15.39	15.35	1.003	ok	1.003	0.943-1.063
1,1,2,2-Tetrachloroethane	16.91	15.35	1.102	ok	1.102	1.042-1.162
1,1,2-Trichloroethane	12.61	9.83	1.283	ok	1.283	1.223-1.343
1,2,4-Trichlorobenzene	23.22	15.35	1.513	ok	1.513	1.453-1.573
1,2,3-Trichloropropane	17.10	15.35	1.114	ok	1.114	1.054-1.174
1,2,3-Trimethylbenzene	20.23	15.35	1.318	ok	1.318	1.258-1.378
1,2,4-Trimethylbenzene	19.62	15.35	1.278	ok	1.279	1.219-1.339
1,3,5-Trimethylbenzene	19.01	15.35	1.238	ok	1.239	1.179-1.299
2,2,4-Trimethylpentane	10.69	9.83	1.087	ok	1.087	1.027-1.147
Tertiary Butyl Alcohol	5.56	7.67	0.725	ok	0.729	0.669-0.789
Tetrachloroethylene	14.47	15.35	0.943	ok	0.943	0.883-1.003
Tetrahydrofuran	8.26	7.67	1.077	ok	1.079	1.019-1.139
Toluene	12.96	9.83	1.318	ok	1.319	1.259-1.379
Trichloroethylene	10.65	9.83	1.083	ok	1.083	1.023-1.143
Trichlorofluoromethane	4.94	7.67	0.644	ok	0.645	0.585-0.705
Vinyl chloride	3.93	7.67	0.512	ok	0.512	0.452-0.572
Vinyl Acetate	6.81	7.67	0.888	ok	0.889	0.829-0.949
m,p-Xylene	16.23	15.35	1.057	ok	1.058	0.998-1.118
o-Xylene	16.90	15.35	1.101	ok	1.101	1.041-1.161
TVHC As Equiv Pentane	5.23	15.35	0.341	ok	0.341	0.281-0.401

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.67	ok	7.67	7.34-8.00	327920	ok	339251	203551-474951
1,4-Difluorobenzene	9.83	ok	9.83	9.50-10.16	1483978	ok	1491175	894705-2087645
Chlorobenzene-D5	15.35	ok	15.35	15.02-15.68	823417	ok	882807	529684-1235930

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	Reporting this level
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	4.82	7.67	0.628	ok	0.630	0.570-0.690
Acrolein	4.71	7.67	0.614	ok	0.615	0.555-0.675
Acrylonitrile	5.20	7.67	0.678	ok	0.679	0.619-0.739
Acetonitrile	4.62	7.67	0.602	ok	0.603	0.543-0.663
1,3-Butadiene	4.03	7.67	0.525	ok	0.526	0.466-0.586
Benzene	9.40	9.83	0.956	ok	0.956	0.896-1.016
Bromobenzene	17.91	15.35	1.167	ok	1.167	1.107-1.227
Bromodichloromethane	10.61	9.83	1.079	ok	1.079	1.019-1.139
Bromoform	16.29	15.35	1.061	ok	1.062	1.002-1.122
Bromomethane	4.23	7.67	0.551	ok	0.551	0.491-0.611
Bromoethene	4.62	7.67	0.602	ok	0.602	0.542-0.662
n-Butane	4.07	7.67	0.531	ok	0.530	0.470-0.590
Benzyl Chloride	19.81	15.35	1.291	ok	1.291	1.231-1.351
n-Butylbenzene	20.85	15.35	1.358	ok	1.359	1.299-1.419
sec-Butylbenzene	20.01	15.35	1.304	ok	1.304	1.244-1.364
tert-Butylbenzene	19.61	15.35	1.278	ok	1.278	1.218-1.338
Carbon disulfide	5.85	7.67	0.763	ok	0.763	0.703-0.823
Chlorobenzene	15.41	15.35	1.004	ok	1.004	0.944-1.064
Chlorodifluoromethane	3.58	7.67	0.467	ok	0.467	0.407-0.527
Chloroethane	4.35	7.67	0.567	ok	0.568	0.508-0.628
Chlorotrifluoroethene	3.61	7.67	0.471	ok	0.471	0.411-0.531
Chloroform	7.81	7.67	1.018	ok	1.018	0.958-1.078
Chloromethane	3.77	7.67	0.492	ok	0.492	0.432-0.552
3-Chloropropene	5.69	7.67	0.742	ok	0.743	0.683-0.803
2-Chlorotoluene	18.55	15.35	1.208	ok	1.209	1.149-1.269
Carbon tetrachloride	9.57	7.67	1.248	ok	1.248	1.188-1.308
Cyclohexane	9.70	9.83	0.987	ok	0.986	0.926-1.046
1,1-Dichloroethane	6.65	7.67	0.867	ok	0.867	0.807-0.927
1,1-Dichloroethylene	5.49	7.67	0.716	ok	0.715	0.655-0.775
1,2-Dibromoethane (EDB)	13.82	15.35	0.900	ok	0.901	0.841-0.961
1,2-Dichloroethane	8.61	7.67	1.123	ok	1.123	1.063-1.183
1,2-Dichloropropane	10.36	9.83	1.054	ok	1.054	0.994-1.114
1,3-Dichloropropane	13.01	9.83	1.323	ok	1.323	1.263-1.383
1,4-Dioxane	10.67	9.83	1.085	ok	1.089	1.029-1.149
Dichlorodifluoromethane	3.66	7.67	0.477	ok	0.477	0.417-0.537
Dichlorofluoromethane	4.42	7.67	0.576	ok	0.576	0.516-0.636
Dibromochloromethane	13.51	15.35	0.880	ok	0.880	0.820-0.940
Dibromomethane	10.34	9.83	1.052	ok	1.052	0.992-1.112
trans-1,2-Dichloroethylene	6.45	7.67	0.841	ok	0.842	0.782-0.902

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	Reporting this level
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	7.50	7.67	0.978	ok	0.978	0.918-1.038
cis-1,3-Dichloropropene	11.73	9.83	1.193	ok	1.194	1.134-1.254
m-Dichlorobenzene	19.82	15.35	1.291	ok	1.291	1.231-1.351
o-Dichlorobenzene	20.41	15.35	1.330	ok	1.330	1.270-1.390
p-Dichlorobenzene	19.92	15.35	1.298	ok	1.298	1.238-1.358
trans-1,3-Dichloropropene	12.41	9.83	1.262	ok	1.263	1.203-1.323
Di-Isopropyl ether	7.72	7.67	1.007	ok	1.008	0.948-1.068
2,3-Dimethylpentane	10.00	9.83	1.017	ok	1.017	0.957-1.077
2,4-Dimethylpentane	8.67	7.67	1.130	ok	1.130	1.070-1.190
Ethanol	4.46	7.67	0.581	ok	0.582	0.522-0.642
Ethylbenzene	15.96	15.35	1.040	ok	1.040	0.980-1.100
Ethyl Acetate	7.75	7.67	1.010	ok	1.013	0.953-1.073
Ethyl Acrylate	10.42	9.83	1.060	ok	1.062	1.002-1.122
4-Ethyltoluene	18.88	15.35	1.230	ok	1.230	1.170-1.290
Freon 113	5.82	7.67	0.759	ok	0.759	0.699-0.819
Freon 114	3.84	7.67	0.501	ok	0.501	0.441-0.561
Freon 115	3.47	7.67	0.452	ok	0.452	0.392-0.512
Freon 123	4.73	7.67	0.617	ok	0.617	0.557-0.677
Freon 123A	4.78	7.67	0.623	ok	0.623	0.563-0.683
Freon 142B	3.75	7.67	0.489	ok	0.489	0.429-0.549
Freon 152A	3.55	7.67	0.463	ok	0.463	0.403-0.523
Heptane	11.03	9.83	1.122	ok	1.122	1.062-1.182
Hexachlorobutadiene	23.37	15.35	1.522	ok	1.522	1.462-1.582
Hexachloroethane	21.32	15.35	1.389	ok	1.389	1.329-1.449
Hexane	7.71	7.67	1.005	ok	1.005	0.945-1.065
2-Hexanone	13.36	15.35	0.870	ok	0.872	0.812-0.932
Iodomethane	5.42	7.67	0.707	ok	0.707	0.647-0.767
Isopropylbenzene	17.81	15.35	1.160	ok	1.161	1.101-1.221
Isopropyl Alcohol	5.03	7.67	0.656	ok	0.659	0.599-0.719
p-Isopropyltoluene	20.27	15.35	1.321	ok	1.320	1.260-1.380
Methylene chloride	5.60	7.67	0.730	ok	0.730	0.670-0.790
Methyl ethyl ketone	7.06	7.67	0.920	ok	0.924	0.864-0.984
Methyl Isobutyl Ketone	11.79	9.83	1.199	ok	1.202	1.142-1.262
Methyl Tert Butyl Ether	6.71	7.67	0.875	ok	0.879	0.819-0.939
Methylmethacrylate	10.94	9.83	1.113	ok	1.114	1.054-1.174
Naphthalene	22.88	15.35	1.491	ok	1.491	1.431-1.551
Nonane	17.31	15.35	1.128	ok	1.128	1.068-1.188
Octane	14.33	15.35	0.934	ok	0.934	0.874-0.994
Pentane	5.23	7.67	0.682	ok	0.682	0.622-0.742

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	Reporting this level
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
n-Propylbenzene	18.64	15.35	1.214	ok	1.214	1.154-1.274
Propylene	3.60	7.67	0.469	ok	0.469	0.409-0.529
Styrene	16.75	15.35	1.091	ok	1.092	1.032-1.152
1,1,1-Trichloroethane	8.87	7.67	1.156	ok	1.157	1.097-1.217
1,1,1,2-Tetrachloroethane	15.39	15.35	1.003	ok	1.003	0.943-1.063
1,1,2,2-Tetrachloroethane	16.91	15.35	1.102	ok	1.102	1.042-1.162
1,1,2-Trichloroethane	12.61	9.83	1.283	ok	1.283	1.223-1.343
1,2,4-Trichlorobenzene	23.22	15.35	1.513	ok	1.513	1.453-1.573
1,2,3-Trichloropropane	17.10	15.35	1.114	ok	1.114	1.054-1.174
1,2,3-Trimethylbenzene	20.23	15.35	1.318	ok	1.318	1.258-1.378
1,2,4-Trimethylbenzene	19.63	15.35	1.279	ok	1.279	1.219-1.339
1,3,5-Trimethylbenzene	19.01	15.35	1.238	ok	1.239	1.179-1.299
2,2,4-Trimethylpentane	10.69	9.83	1.087	ok	1.087	1.027-1.147
Tertiary Butyl Alcohol	5.55	7.67	0.724	ok	0.729	0.669-0.789
Tetrachloroethylene	14.47	15.35	0.943	ok	0.943	0.883-1.003
Tetrahydrofuran	8.24	7.67	1.074	ok	1.079	1.019-1.139
Toluene	12.96	9.83	1.318	ok	1.319	1.259-1.379
Trichloroethylene	10.65	9.83	1.083	ok	1.083	1.023-1.143
Trichlorofluoromethane	4.95	7.67	0.645	ok	0.645	0.585-0.705
Vinyl chloride	3.93	7.67	0.512	ok	0.512	0.452-0.572
Vinyl Acetate	6.81	7.67	0.888	ok	0.889	0.829-0.949
m,p-Xylene	16.23	15.35	1.057	ok	1.058	0.998-1.118
o-Xylene	16.90	15.35	1.101	ok	1.101	1.041-1.161
TVHC As Equiv Pentane	5.23	15.35	0.341	ok	0.341	0.281-0.401

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.67	ok	7.67	7.34-8.00	339202	ok	339251	203551-474951
1,4-Difluorobenzene	9.83	ok	9.83	9.50-10.16	1511260	ok	1491175	894705-2087645
Chlorobenzene-D5	15.35	ok	15.35	15.02-15.68	875250	ok	882807	529684-1235930

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	Reporting this level
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	4.82	7.68	0.628	ok	0.630	0.570-0.690
Acrolein	4.71	7.68	0.613	ok	0.615	0.555-0.675
Acrylonitrile	5.20	7.68	0.677	ok	0.679	0.619-0.739
Acetonitrile	4.62	7.68	0.602	ok	0.603	0.543-0.663
1,3-Butadiene	4.03	7.68	0.525	ok	0.526	0.466-0.586
Benzene	9.40	9.84	0.955	ok	0.956	0.896-1.016
Bromobenzene	17.91	15.35	1.167	ok	1.167	1.107-1.227
Bromodichloromethane	10.61	9.84	1.078	ok	1.079	1.019-1.139
Bromoform	16.30	15.35	1.062	ok	1.062	1.002-1.122
Bromomethane	4.23	7.68	0.551	ok	0.551	0.491-0.611
Bromoethene	4.62	7.68	0.602	ok	0.602	0.542-0.662
n-Butane	4.07	7.68	0.530	ok	0.530	0.470-0.590
Benzyl Chloride	19.81	15.35	1.291	ok	1.291	1.231-1.351
n-Butylbenzene	20.85	15.35	1.358	ok	1.359	1.299-1.419
sec-Butylbenzene	20.02	15.35	1.304	ok	1.304	1.244-1.364
tert-Butylbenzene	19.62	15.35	1.278	ok	1.278	1.218-1.338
Carbon disulfide	5.85	7.68	0.762	ok	0.763	0.703-0.823
Chlorobenzene	15.41	15.35	1.004	ok	1.004	0.944-1.064
Chlorodifluoromethane	3.58	7.68	0.466	ok	0.467	0.407-0.527
Chloroethane	4.35	7.68	0.566	ok	0.568	0.508-0.628
Chlorotrifluoroethene	3.61	7.68	0.470	ok	0.471	0.411-0.531
Chloroform	7.82	7.68	1.018	ok	1.018	0.958-1.078
Chloromethane	3.77	7.68	0.491	ok	0.492	0.432-0.552
3-Chloropropene	5.70	7.68	0.742	ok	0.743	0.683-0.803
2-Chlorotoluene	18.55	15.35	1.208	ok	1.209	1.149-1.269
Carbon tetrachloride	9.57	7.68	1.246	ok	1.248	1.188-1.308
Cyclohexane	9.70	9.84	0.986	ok	0.986	0.926-1.046
1,1-Dichloroethane	6.65	7.68	0.866	ok	0.867	0.807-0.927
1,1-Dichloroethylene	5.49	7.68	0.715	ok	0.715	0.655-0.775
1,2-Dibromoethane (EDB)	13.83	15.35	0.901	ok	0.901	0.841-0.961
1,2-Dichloroethane	8.61	7.68	1.121	ok	1.123	1.063-1.183
1,2-Dichloropropane	10.36	9.84	1.053	ok	1.054	0.994-1.114
1,3-Dichloropropane	13.01	9.84	1.322	ok	1.323	1.263-1.383
1,4-Dioxane	10.67	9.84	1.084	ok	1.089	1.029-1.149
Dichlorodifluoromethane	3.66	7.68	0.477	ok	0.477	0.417-0.537
Dichlorofluoromethane	4.42	7.68	0.576	ok	0.576	0.516-0.636
Dibromochloromethane	13.51	15.35	0.880	ok	0.880	0.820-0.940
Dibromomethane	10.34	9.84	1.051	ok	1.052	0.992-1.112
trans-1,2-Dichloroethylene	6.45	7.68	0.840	ok	0.842	0.782-0.902

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	Reporting this level
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	7.50	7.68	0.977	ok	0.978	0.918-1.038
cis-1,3-Dichloropropene	11.73	9.84	1.192	ok	1.194	1.134-1.254
m-Dichlorobenzene	19.82	15.35	1.291	ok	1.291	1.231-1.351
o-Dichlorobenzene	20.41	15.35	1.330	ok	1.330	1.270-1.390
p-Dichlorobenzene	19.92	15.35	1.298	ok	1.298	1.238-1.358
trans-1,3-Dichloropropene	12.41	9.84	1.261	ok	1.263	1.203-1.323
Di-Isopropyl ether	7.72	7.68	1.005	ok	1.008	0.948-1.068
2,3-Dimethylpentane	10.00	9.84	1.016	ok	1.017	0.957-1.077
2,4-Dimethylpentane	8.67	7.68	1.129	ok	1.130	1.070-1.190
Ethanol	4.46	7.68	0.581	ok	0.582	0.522-0.642
Ethylbenzene	15.96	15.35	1.040	ok	1.040	0.980-1.100
Ethyl Acetate	7.75	7.68	1.009	ok	1.013	0.953-1.073
Ethyl Acrylate	10.41	9.84	1.058	ok	1.062	1.002-1.122
4-Ethyltoluene	18.88	15.35	1.230	ok	1.230	1.170-1.290
Freon 113	5.82	7.68	0.758	ok	0.759	0.699-0.819
Freon 114	3.84	7.68	0.500	ok	0.501	0.441-0.561
Freon 115	3.47	7.68	0.452	ok	0.452	0.392-0.512
Freon 123	4.73	7.68	0.616	ok	0.617	0.557-0.677
Freon 123A	4.78	7.68	0.622	ok	0.623	0.563-0.683
Freon 142B	3.75	7.68	0.488	ok	0.489	0.429-0.549
Freon 152A	3.55	7.68	0.462	ok	0.463	0.403-0.523
Heptane	11.03	9.84	1.121	ok	1.122	1.062-1.182
Hexachlorobutadiene	23.37	15.35	1.522	ok	1.522	1.462-1.582
Hexachloroethane	21.32	15.35	1.389	ok	1.389	1.329-1.449
Hexane	7.71	7.68	1.004	ok	1.005	0.945-1.065
2-Hexanone	13.36	15.35	0.870	ok	0.872	0.812-0.932
Iodomethane	5.42	7.68	0.706	ok	0.707	0.647-0.767
Isopropylbenzene	17.82	15.35	1.161	ok	1.161	1.101-1.221
Isopropyl Alcohol	5.03	7.68	0.655	ok	0.659	0.599-0.719
p-Isopropyltoluene	20.27	15.35	1.321	ok	1.320	1.260-1.380
Methylene chloride	5.60	7.68	0.729	ok	0.730	0.670-0.790
Methyl ethyl ketone	7.05	7.68	0.918	ok	0.924	0.864-0.984
Methyl Isobutyl Ketone	11.79	9.84	1.198	ok	1.202	1.142-1.262
Methyl Tert Butyl Ether	6.71	7.68	0.874	ok	0.879	0.819-0.939
Methylmethacrylate	10.94	9.84	1.112	ok	1.114	1.054-1.174
Naphthalene	22.88	15.35	1.491	ok	1.491	1.431-1.551
Nonane	17.32	15.35	1.128	ok	1.128	1.068-1.188
Octane	14.33	15.35	0.934	ok	0.934	0.874-0.994
Pentane	5.23	7.68	0.681	ok	0.682	0.622-0.742

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	Reporting this level
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
n-Propylbenzene	18.64	15.35	1.214	ok	1.214	1.154-1.274
Propylene	3.60	7.68	0.469	ok	0.469	0.409-0.529
Styrene	16.75	15.35	1.091	ok	1.092	1.032-1.152
1,1,1-Trichloroethane	8.88	7.68	1.156	ok	1.157	1.097-1.217
1,1,1,2-Tetrachloroethane	15.40	15.35	1.003	ok	1.003	0.943-1.063
1,1,2,2-Tetrachloroethane	16.91	15.35	1.102	ok	1.102	1.042-1.162
1,1,2-Trichloroethane	12.61	9.84	1.282	ok	1.283	1.223-1.343
1,2,4-Trichlorobenzene	23.22	15.35	1.513	ok	1.513	1.453-1.573
1,2,3-Trichloropropane	17.10	15.35	1.114	ok	1.114	1.054-1.174
1,2,3-Trimethylbenzene	20.24	15.35	1.319	ok	1.318	1.258-1.378
1,2,4-Trimethylbenzene	19.63	15.35	1.279	ok	1.279	1.219-1.339
1,3,5-Trimethylbenzene	19.01	15.35	1.238	ok	1.239	1.179-1.299
2,2,4-Trimethylpentane	10.69	9.84	1.086	ok	1.087	1.027-1.147
Tertiary Butyl Alcohol	5.54	7.68	0.721	ok	0.729	0.669-0.789
Tetrachloroethylene	14.47	15.35	0.943	ok	0.943	0.883-1.003
Tetrahydrofuran	8.23	7.68	1.072	ok	1.079	1.019-1.139
Toluene	12.96	9.84	1.317	ok	1.319	1.259-1.379
Trichloroethylene	10.65	9.84	1.082	ok	1.083	1.023-1.143
Trichlorofluoromethane	4.95	7.68	0.645	ok	0.645	0.585-0.705
Vinyl chloride	3.93	7.68	0.512	ok	0.512	0.452-0.572
Vinyl Acetate	6.81	7.68	0.887	ok	0.889	0.829-0.949
m,p-Xylene	16.24	15.35	1.058	ok	1.058	0.998-1.118
o-Xylene	16.91	15.35	1.102	ok	1.101	1.041-1.161
TVHC As Equiv Pentane	5.23	15.35	0.341	ok	0.341	0.281-0.401

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.68	ok	7.67	7.34-8.00	342882	ok	339251	203551-474951
1,4-Difluorobenzene	9.84	ok	9.83	9.50-10.16	1466721	ok	1491175	894705-2087645
Chlorobenzene-D5	15.35	ok	15.35	15.02-15.68	922805	ok	882807	529684-1235930

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	Reporting this level
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	4.82	7.68	0.628	ok	0.630	0.570-0.690
Acrolein	4.71	7.68	0.613	ok	0.615	0.555-0.675
Acrylonitrile	5.20	7.68	0.677	ok	0.679	0.619-0.739
Acetonitrile	4.62	7.68	0.602	ok	0.603	0.543-0.663
1,3-Butadiene	4.02	7.68	0.523	ok	0.526	0.466-0.586
Benzene	9.40	9.84	0.955	ok	0.956	0.896-1.016
Bromobenzene	17.92	15.35	1.167	ok	1.167	1.107-1.227
Bromodichloromethane	10.61	9.84	1.078	ok	1.079	1.019-1.139
Bromoform	16.30	15.35	1.062	ok	1.062	1.002-1.122
Bromomethane	4.22	7.68	0.549	ok	0.551	0.491-0.611
Bromoethene	4.62	7.68	0.602	ok	0.602	0.542-0.662
n-Butane	4.06	7.68	0.529	ok	0.530	0.470-0.590
Benzyl Chloride	19.82	15.35	1.291	ok	1.291	1.231-1.351
n-Butylbenzene	20.86	15.35	1.359	ok	1.359	1.299-1.419
sec-Butylbenzene	20.02	15.35	1.304	ok	1.304	1.244-1.364
tert-Butylbenzene	19.62	15.35	1.278	ok	1.278	1.218-1.338
Carbon disulfide	5.85	7.68	0.762	ok	0.763	0.703-0.823
Chlorobenzene	15.41	15.35	1.004	ok	1.004	0.944-1.064
Chlorodifluoromethane	3.57	7.68	0.465	ok	0.467	0.407-0.527
Chloroethane	4.35	7.68	0.566	ok	0.568	0.508-0.628
Chlorotrifluoroethene	3.60	7.68	0.469	ok	0.471	0.411-0.531
Chloroform	7.82	7.68	1.018	ok	1.018	0.958-1.078
Chloromethane	3.77	7.68	0.491	ok	0.492	0.432-0.552
3-Chloropropene	5.69	7.68	0.741	ok	0.743	0.683-0.803
2-Chlorotoluene	18.55	15.35	1.208	ok	1.209	1.149-1.269
Carbon tetrachloride	9.57	7.68	1.246	ok	1.248	1.188-1.308
Cyclohexane	9.70	9.84	0.986	ok	0.986	0.926-1.046
1,1-Dichloroethane	6.65	7.68	0.866	ok	0.867	0.807-0.927
1,1-Dichloroethylene	5.48	7.68	0.714	ok	0.715	0.655-0.775
1,2-Dibromoethane (EDB)	13.84	15.35	0.902	ok	0.901	0.841-0.961
1,2-Dichloroethane	8.61	7.68	1.121	ok	1.123	1.063-1.183
1,2-Dichloropropane	10.36	9.84	1.053	ok	1.054	0.994-1.114
1,3-Dichloropropane	13.01	9.84	1.322	ok	1.323	1.263-1.383
1,4-Dioxane	10.66	9.84	1.083	ok	1.089	1.029-1.149
Dichlorodifluoromethane	3.65	7.68	0.475	ok	0.477	0.417-0.537
Dichlorofluoromethane	4.41	7.68	0.574	ok	0.576	0.516-0.636
Dibromochloromethane	13.52	15.35	0.881	ok	0.880	0.820-0.940
Dibromomethane	10.34	9.84	1.051	ok	1.052	0.992-1.112
trans-1,2-Dichloroethylene	6.45	7.68	0.840	ok	0.842	0.782-0.902

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	Reporting this level
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	7.50	7.68	0.977	ok	0.978	0.918-1.038
cis-1,3-Dichloropropene	11.73	9.84	1.192	ok	1.194	1.134-1.254
m-Dichlorobenzene	19.82	15.35	1.291	ok	1.291	1.231-1.351
o-Dichlorobenzene	20.41	15.35	1.330	ok	1.330	1.270-1.390
p-Dichlorobenzene	19.93	15.35	1.298	ok	1.298	1.238-1.358
trans-1,3-Dichloropropene	12.41	9.84	1.261	ok	1.263	1.203-1.323
Di-Isopropyl ether	7.71	7.68	1.004	ok	1.008	0.948-1.068
2,3-Dimethylpentane	10.01	9.84	1.017	ok	1.017	0.957-1.077
2,4-Dimethylpentane	8.67	7.68	1.129	ok	1.130	1.070-1.190
Ethanol	4.46	7.68	0.581	ok	0.582	0.522-0.642
Ethylbenzene	15.96	15.35	1.040	ok	1.040	0.980-1.100
Ethyl Acetate	7.75	7.68	1.009	ok	1.013	0.953-1.073
Ethyl Acrylate	10.41	9.84	1.058	ok	1.062	1.002-1.122
4-Ethyltoluene	18.88	15.35	1.230	ok	1.230	1.170-1.290
Freon 113	5.82	7.68	0.758	ok	0.759	0.699-0.819
Freon 114	3.84	7.68	0.500	ok	0.501	0.441-0.561
Freon 123	4.73	7.68	0.616	ok	0.617	0.557-0.677
Freon 123A	4.78	7.68	0.622	ok	0.623	0.563-0.683
Freon 142B	3.75	7.68	0.488	ok	0.489	0.429-0.549
Freon 152A	3.54	7.68	0.461	ok	0.463	0.403-0.523
Heptane	11.03	9.84	1.121	ok	1.122	1.062-1.182
Hexachlorobutadiene	23.37	15.35	1.522	ok	1.522	1.462-1.582
Hexachloroethane	21.32	15.35	1.389	ok	1.389	1.329-1.449
Hexane	7.71	7.68	1.004	ok	1.005	0.945-1.065
2-Hexanone	13.36	15.35	0.870	ok	0.872	0.812-0.932
Iodomethane	5.42	7.68	0.706	ok	0.707	0.647-0.767
Isopropylbenzene	17.82	15.35	1.161	ok	1.161	1.101-1.221
Isopropyl Alcohol	5.03	7.68	0.655	ok	0.659	0.599-0.719
p-Isopropyltoluene	20.27	15.35	1.321	ok	1.320	1.260-1.380
Methylene chloride	5.60	7.68	0.729	ok	0.730	0.670-0.790
Methyl ethyl ketone	7.05	7.68	0.918	ok	0.924	0.864-0.984
Methyl Isobutyl Ketone	11.79	9.84	1.198	ok	1.202	1.142-1.262
Methyl Tert Butyl Ether	6.70	7.68	0.872	ok	0.879	0.819-0.939
Methylmethacrylate	10.94	9.84	1.112	ok	1.114	1.054-1.174
Naphthalene	22.89	15.35	1.491	ok	1.491	1.431-1.551
Nonane	17.32	15.35	1.128	ok	1.128	1.068-1.188
Octane	14.34	15.35	0.934	ok	0.934	0.874-0.994
Pentane	5.23	7.68	0.681	ok	0.682	0.622-0.742
n-Propylbenzene	18.64	15.35	1.214	ok	1.214	1.154-1.274

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	Reporting this level
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Propylene	3.59	7.68	0.467	ok	0.469	0.409-0.529
Styrene	16.75	15.35	1.091	ok	1.092	1.032-1.152
1,1,1-Trichloroethane	8.88	7.68	1.156	ok	1.157	1.097-1.217
1,1,1,2-Tetrachloroethane	15.40	15.35	1.003	ok	1.003	0.943-1.063
1,1,2,2-Tetrachloroethane	16.91	15.35	1.102	ok	1.102	1.042-1.162
1,1,2-Trichloroethane	12.62	9.84	1.283	ok	1.283	1.223-1.343
1,2,4-Trichlorobenzene	23.23	15.35	1.513	ok	1.513	1.453-1.573
1,2,3-Trichloropropane	17.10	15.35	1.114	ok	1.114	1.054-1.174
1,2,3-Trimethylbenzene	20.24	15.35	1.319	ok	1.318	1.258-1.378
1,2,4-Trimethylbenzene	19.64	15.35	1.279	ok	1.279	1.219-1.339
1,3,5-Trimethylbenzene	19.02	15.35	1.239	ok	1.239	1.179-1.299
2,2,4-Trimethylpentane	10.69	9.84	1.086	ok	1.087	1.027-1.147
Tertiary Butyl Alcohol	5.54	7.68	0.721	ok	0.729	0.669-0.789
Tetrachloroethylene	14.47	15.35	0.943	ok	0.943	0.883-1.003
Tetrahydrofuran	8.23	7.68	1.072	ok	1.079	1.019-1.139
Toluene	12.97	9.84	1.318	ok	1.319	1.259-1.379
Trichloroethylene	10.65	9.84	1.082	ok	1.083	1.023-1.143
Trichlorofluoromethane	4.94	7.68	0.643	ok	0.645	0.585-0.705
Vinyl chloride	3.93	7.68	0.512	ok	0.512	0.452-0.572
Vinyl Acetate	6.81	7.68	0.887	ok	0.889	0.829-0.949
m,p-Xylene	16.25	15.35	1.059	ok	1.058	0.998-1.118
o-Xylene	16.91	15.35	1.102	ok	1.101	1.041-1.161
TVHC As Equiv Pentane	5.23	15.35	0.341	ok	0.341	0.281-0.401

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.68	ok	7.67	7.34-8.00	341329	ok	339251	203551-474951
1,4-Difluorobenzene	9.84	ok	9.83	9.50-10.16	1382725	ok	1491175	894705-2087645
Chlorobenzene-D5	15.35	ok	15.35	15.02-15.68	1000073	ok	882807	529684-1235930

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acrolein	4.71	7.68	0.613	ok	0.615	0.555-0.675
Acrylonitrile	5.21	7.68	0.678	ok	0.679	0.619-0.739
Acetonitrile	4.62	7.68	0.602	ok	0.603	0.543-0.663
1,3-Butadiene	4.03	7.68	0.525	ok	0.526	0.466-0.586
Benzene	9.41	9.85	0.955	ok	0.956	0.896-1.016
Bromobenzene	17.92	15.35	1.167	ok	1.167	1.107-1.227
Bromodichloromethane	10.62	9.85	1.078	ok	1.079	1.019-1.139
Bromoform	16.30	15.35	1.062	ok	1.062	1.002-1.122
Bromomethane	4.23	7.68	0.551	ok	0.551	0.491-0.611
Bromoethene	4.62	7.68	0.602	ok	0.602	0.542-0.662
n-Butane	4.07	7.68	0.530	ok	0.530	0.470-0.590
Benzyl Chloride	19.82	15.35	1.291	ok	1.291	1.231-1.351
n-Butylbenzene	20.86	15.35	1.359	ok	1.359	1.299-1.419
sec-Butylbenzene	20.03	15.35	1.305	ok	1.304	1.244-1.364
tert-Butylbenzene	19.62	15.35	1.278	ok	1.278	1.218-1.338
Carbon disulfide	5.85	7.68	0.762	ok	0.763	0.703-0.823
Chlorobenzene	15.41	15.35	1.004	ok	1.004	0.944-1.064
Chlorodifluoromethane	3.58	7.68	0.466	ok	0.467	0.407-0.527
Chloroethane	4.35	7.68	0.566	ok	0.568	0.508-0.628
Chlorotrifluoroethene	3.61	7.68	0.470	ok	0.471	0.411-0.531
Chloroform	7.82	7.68	1.018	ok	1.018	0.958-1.078
Chloromethane	3.77	7.68	0.491	ok	0.492	0.432-0.552
3-Chloropropene	5.70	7.68	0.742	ok	0.743	0.683-0.803
2-Chlorotoluene	18.55	15.35	1.208	ok	1.209	1.149-1.269
Carbon tetrachloride	9.57	7.68	1.246	ok	1.248	1.188-1.308
Cyclohexane	9.71	9.85	0.986	ok	0.986	0.926-1.046
1,1-Dichloroethane	6.65	7.68	0.866	ok	0.867	0.807-0.927
1,1-Dichloroethylene	5.49	7.68	0.715	ok	0.715	0.655-0.775
1,2-Dibromoethane (EDB)	13.84	15.35	0.902	ok	0.901	0.841-0.961
1,2-Dichloroethane	8.61	7.68	1.121	ok	1.123	1.063-1.183
1,2-Dichloropropane	10.37	9.85	1.053	ok	1.054	0.994-1.114
1,3-Dichloropropane	13.02	9.85	1.322	ok	1.323	1.263-1.383
1,4-Dioxane	10.67	9.85	1.083	ok	1.089	1.029-1.149
Dichlorodifluoromethane	3.66	7.68	0.477	ok	0.477	0.417-0.537
Dichlorofluoromethane	4.42	7.68	0.576	ok	0.576	0.516-0.636
Dibromochloromethane	13.52	15.35	0.881	ok	0.880	0.820-0.940
Dibromomethane	10.34	9.85	1.050	ok	1.052	0.992-1.112
trans-1,2-Dichloroethylene	6.46	7.68	0.841	ok	0.842	0.782-0.902
cis-1,2-Dichloroethylene	7.50	7.68	0.977	ok	0.978	0.918-1.038

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,3-Dichloropropene	11.74	9.85	1.192	ok	1.194	1.134-1.254
m-Dichlorobenzene	19.83	15.35	1.292	ok	1.291	1.231-1.351
o-Dichlorobenzene	20.41	15.35	1.330	ok	1.330	1.270-1.390
p-Dichlorobenzene	19.94	15.35	1.299	ok	1.298	1.238-1.358
trans-1,3-Dichloropropene	12.42	9.85	1.261	ok	1.263	1.203-1.323
Di-Isopropyl ether	7.72	7.68	1.005	ok	1.008	0.948-1.068
2,3-Dimethylpentane	10.01	9.85	1.016	ok	1.017	0.957-1.077
2,4-Dimethylpentane	8.67	7.68	1.129	ok	1.130	1.070-1.190
Ethanol	4.46	7.68	0.581	ok	0.582	0.522-0.642
Ethylbenzene	15.96	15.35	1.040	ok	1.040	0.980-1.100
Ethyl Acetate	7.75	7.68	1.009	ok	1.013	0.953-1.073
Ethyl Acrylate	10.42	9.85	1.058	ok	1.062	1.002-1.122
4-Ethyltoluene	18.89	15.35	1.231	ok	1.230	1.170-1.290
Freon 113	5.82	7.68	0.758	ok	0.759	0.699-0.819
Freon 114	3.84	7.68	0.500	ok	0.501	0.441-0.561
Freon 123	4.74	7.68	0.617	ok	0.617	0.557-0.677
Freon 123A	4.78	7.68	0.622	ok	0.623	0.563-0.683
Freon 142B	3.75	7.68	0.488	ok	0.489	0.429-0.549
Freon 152A	3.55	7.68	0.462	ok	0.463	0.403-0.523
Heptane	11.04	9.85	1.121	ok	1.122	1.062-1.182
Hexachlorobutadiene	23.37	15.35	1.522	ok	1.522	1.462-1.582
Hexachloroethane	21.32	15.35	1.389	ok	1.389	1.329-1.449
Hexane	7.71	7.68	1.004	ok	1.005	0.945-1.065
2-Hexanone	13.36	15.35	0.870	ok	0.872	0.812-0.932
Iodomethane	5.42	7.68	0.706	ok	0.707	0.647-0.767
Isopropylbenzene	17.82	15.35	1.161	ok	1.161	1.101-1.221
Isopropyl Alcohol	5.03	7.68	0.655	ok	0.659	0.599-0.719
p-Isopropyltoluene	20.27	15.35	1.321	ok	1.320	1.260-1.380
Methylene chloride	5.60	7.68	0.729	ok	0.730	0.670-0.790
Methyl ethyl ketone	7.05	7.68	0.918	ok	0.924	0.864-0.984
Methyl Isobutyl Ketone	11.79	9.85	1.197	ok	1.202	1.142-1.262
Methyl Tert Butyl Ether	6.71	7.68	0.874	ok	0.879	0.819-0.939
Methylmethacrylate	10.94	9.85	1.111	ok	1.114	1.054-1.174
Nonane	17.32	15.35	1.128	ok	1.128	1.068-1.188
Octane	14.34	15.35	0.934	ok	0.934	0.874-0.994
Pentane	5.23	7.68	0.681	ok	0.682	0.622-0.742
n-Propylbenzene	18.64	15.35	1.214	ok	1.214	1.154-1.274
Propylene	3.60	7.68	0.469	ok	0.469	0.409-0.529
Styrene	16.76	15.35	1.092	ok	1.092	1.032-1.152

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
1,1,1-Trichloroethane	8.88	7.68	1.156	ok	1.157	1.097-1.217
1,1,1,2-Tetrachloroethane	15.40	15.35	1.003	ok	1.003	0.943-1.063
1,1,2,2-Tetrachloroethane	16.91	15.35	1.102	ok	1.102	1.042-1.162
1,1,2-Trichloroethane	12.62	9.85	1.281	ok	1.283	1.223-1.343
1,2,4-Trichlorobenzene	23.23	15.35	1.513	ok	1.513	1.453-1.573
1,2,3-Trichloropropane	17.11	15.35	1.115	ok	1.114	1.054-1.174
1,2,3-Trimethylbenzene	20.25	15.35	1.319	ok	1.318	1.258-1.378
1,2,4-Trimethylbenzene	19.64	15.35	1.279	ok	1.279	1.219-1.339
1,3,5-Trimethylbenzene	19.02	15.35	1.239	ok	1.239	1.179-1.299
2,2,4-Trimethylpentane	10.70	9.85	1.086	ok	1.087	1.027-1.147
Tertiary Butyl Alcohol	5.55	7.68	0.723	ok	0.729	0.669-0.789
Tetrachloroethylene	14.47	15.35	0.943	ok	0.943	0.883-1.003
Tetrahydrofuran	8.23	7.68	1.072	ok	1.079	1.019-1.139
Toluene	12.97	9.85	1.317	ok	1.319	1.259-1.379
Trichloroethylene	10.66	9.85	1.082	ok	1.083	1.023-1.143
Trichlorofluoromethane	4.95	7.68	0.645	ok	0.645	0.585-0.705
Vinyl chloride	3.93	7.68	0.512	ok	0.512	0.452-0.572
Vinyl Acetate	6.81	7.68	0.887	ok	0.889	0.829-0.949
m,p-Xylene	16.25	15.35	1.059	ok	1.058	0.998-1.118
o-Xylene	16.91	15.35	1.102	ok	1.101	1.041-1.161
TVHC As Equiv Pentane	5.23	15.35	0.341	ok	0.341	0.281-0.401

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.68	ok	7.67	7.34-8.00	363096	ok	339251	203551-474951
1,4-Difluorobenzene	9.85	ok	9.83	9.50-10.16	1435494	ok	1491175	894705-2087645
Chlorobenzene-D5	15.35	ok	15.35	15.02-15.68	1087902	ok	882807	529684-1235930

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	Reporting this level
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.14	3.27	0.654	ok	0.653	0.593-0.713
Acrylonitrile	2.28	3.27	0.697	ok	0.696	0.636-0.756
Acetonitrile	2.05	3.27	0.627	ok	0.627	0.567-0.687
1,3-Butadiene	1.83	3.27	0.560	ok	0.560	0.500-0.620
Benzene	4.22	3.27	1.291	ok	1.293	1.233-1.353
Bromobenzene	13.81	10.12	1.365	ok	1.366	1.306-1.426
Bromodichloromethane	5.06	4.55	1.112	ok	1.114	1.054-1.174
Bromoform	11.32	10.12	1.119	ok	1.118	1.058-1.178
Bromomethane	1.91	3.27	0.584	ok	0.584	0.524-0.644
Bromoethene	2.06	3.27	0.630	ok	0.630	0.570-0.690
n-Butane	1.85	3.27	0.566	ok	0.566	0.506-0.626
Benzyl Chloride	16.66	10.12	1.646	ok	1.647	1.587-1.707
n-Butylbenzene	17.42	10.12	1.721	ok	1.722	1.662-1.782
sec-Butylbenzene	16.87	10.12	1.667	ok	1.667	1.607-1.727
tert-Butylbenzene	16.57	10.12	1.637	ok	1.637	1.577-1.697
Carbon disulfide	2.53	3.27	0.774	ok	0.771	0.711-0.831
Chlorobenzene	10.19	10.12	1.007	ok	1.008	0.948-1.068
Chlorodifluoromethane	1.66	3.27	0.508	ok	0.508	0.448-0.568
Chloroethane	1.96	3.27	0.599	ok	0.599	0.539-0.659
Chlorotrifluoroethene	1.68	3.27	0.514	ok	0.511	0.451-0.571
Chloroform	3.34	3.27	1.021	ok	1.022	0.962-1.082
Chloromethane	1.73	3.27	0.529	ok	0.529	0.469-0.589
3-Chloropropene	2.47	3.27	0.755	ok	0.755	0.695-0.815
2-Chlorotoluene	14.96	10.12	1.478	ok	1.477	1.417-1.537
Carbon tetrachloride	4.33	3.27	1.324	ok	1.326	1.266-1.386
Cyclohexane	4.43	4.55	0.974	ok	0.974	0.914-1.034
1,1-Dichloroethane	2.83	3.27	0.865	ok	0.865	0.805-0.925
1,1-Dichloroethylene	2.39	3.27	0.731	ok	0.731	0.671-0.791
1,2-Dibromoethane (EDB)	8.14	4.55	1.789	ok	1.789	1.729-1.849
1,2-Dichloroethane	3.75	3.27	1.147	ok	1.147	1.087-1.207
1,2-Dichloropropane	4.88	4.55	1.073	ok	1.074	1.014-1.134
1,3-Dichloropropane	7.32	4.55	1.609	ok	1.609	1.549-1.669
Dichlorodifluoromethane	1.69	3.27	0.517	ok	0.517	0.457-0.577
Dichlorofluoromethane	1.98	3.27	0.606	ok	0.606	0.546-0.666
Dibromochloromethane	7.80	4.55	1.714	ok	1.713	1.653-1.773
Dibromomethane	4.85	4.55	1.066	ok	1.066	1.006-1.126
trans-1,2-Dichloroethylene	2.75	3.27	0.841	ok	0.841	0.781-0.901
cis-1,2-Dichloroethylene	3.19	3.27	0.976	ok	0.976	0.916-1.036
cis-1,3-Dichloropropene	6.06	4.55	1.332	ok	1.332	1.272-1.392

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	Reporting this level
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
m-Dichlorobenzene	16.64	10.12	1.644	ok	1.644	1.584-1.704
o-Dichlorobenzene	17.04	10.12	1.684	ok	1.684	1.624-1.744
p-Dichlorobenzene	16.73	10.12	1.653	ok	1.653	1.593-1.713
trans-1,3-Dichloropropene	6.73	4.55	1.479	ok	1.481	1.421-1.541
Di-Isopropyl ether	3.34	3.27	1.021	ok	1.020	0.960-1.080
2,3-Dimethylpentane	4.69	4.55	1.031	ok	1.030	0.970-1.090
2,4-Dimethylpentane	3.84	3.27	1.174	ok	1.173	1.113-1.233
Ethanol	2.00	3.27	0.612	ok	0.610	0.550-0.670
Ethylbenzene	11.08	10.12	1.095	ok	1.095	1.035-1.155
Ethyl Acetate	3.34	3.27	1.021	ok	1.020	0.960-1.080
Ethyl Acrylate	5.03	4.55	1.105	ok	1.103	1.043-1.163
4-Ethyltoluene	15.72	10.12	1.553	ok	1.555	1.495-1.615
Freon 113	2.52	3.27	0.771	ok	0.771	0.711-0.831
Freon 114	1.76	3.27	0.538	ok	0.538	0.478-0.598
Freon 115	1.62	3.27	0.495	ok	0.494	0.434-0.554
Freon 123	2.11	3.27	0.645	ok	0.643	0.583-0.703
Freon 123A	2.13	3.27	0.651	ok	0.649	0.589-0.709
Freon 142B	1.72	3.27	0.526	ok	0.527	0.467-0.587
Freon 152A	1.65	3.27	0.505	ok	0.504	0.444-0.564
Heptane	5.54	4.55	1.218	ok	1.216	1.156-1.276
Hexachlorobutadiene	18.66	10.12	1.844	ok	1.843	1.783-1.903
Hexachloroethane	17.60	10.12	1.739	ok	1.739	1.679-1.799
Hexane	3.32	3.27	1.015	ok	1.015	0.955-1.075
2-Hexanone	7.90	4.55	1.736	ok	1.729	1.669-1.789
Iodomethane	2.37	3.27	0.725	ok	0.722	0.662-0.782
Isopropylbenzene	13.96	10.12	1.379	ok	1.379	1.319-1.439
Isopropyl Alcohol	2.23	3.27	0.682	ok	0.679	0.619-0.739
p-Isopropyltoluene	17.06	10.12	1.686	ok	1.686	1.626-1.746
Methylene chloride	2.42	3.27	0.740	ok	0.742	0.682-0.802
Methyl ethyl ketone	3.01	3.27	0.920	ok	0.919	0.859-0.979
Methyl Isobutyl Ketone	6.21	4.55	1.365	ok	1.360	1.300-1.420
Methyl Tert Butyl Ether	2.88	3.27	0.881	ok	0.877	0.817-0.937
Methylmethacrylate	5.45	4.55	1.198	ok	1.195	1.135-1.255
Naphthalene	18.40	10.12	1.818	ok	1.818	1.758-1.878
Nonane	13.56	10.12	1.340	ok	1.340	1.280-1.400
Octane	9.14	4.55	2.009	ok	2.009	1.949-2.069
Pentane	2.31	3.27	0.706	ok	0.704	0.644-0.764
n-Propylbenzene	15.30	10.12	1.512	ok	1.512	1.452-1.572
Propylene	1.67	3.27	0.511	ok	0.511	0.451-0.571

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	Reporting this level
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Styrene	12.23	10.12	1.208	ok	1.208	1.148-1.268
1,1,1-Trichloroethane	3.91	3.27	1.196	ok	1.196	1.136-1.256
1,1,1,2-Tetrachloroethane	10.20	10.12	1.008	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	12.46	10.12	1.231	ok	1.231	1.171-1.291
1,1,2-Trichloroethane	6.90	4.55	1.516	ok	1.515	1.455-1.575
1,2,4-Trichlorobenzene	18.35	10.12	1.813	ok	1.813	1.753-1.873
1,2,3-Trichloropropane	12.74	10.12	1.259	ok	1.259	1.199-1.319
1,2,3-Trimethylbenzene	16.99	10.12	1.679	ok	1.679	1.619-1.739
1,2,4-Trimethylbenzene	16.58	10.12	1.638	ok	1.638	1.578-1.698
1,3,5-Trimethylbenzene	15.99	10.12	1.580	ok	1.581	1.521-1.641
2,2,4-Trimethylpentane	5.22	4.55	1.147	ok	1.147	1.087-1.207
Tertiary Butyl Alcohol	2.45	3.27	0.749	ok	0.743	0.683-0.803
Tetrachloroethylene	8.99	4.55	1.976	ok	1.977	1.917-2.037
Tetrahydrofuran	3.60	3.27	1.101	ok	1.091	1.031-1.151
Toluene	7.26	4.55	1.596	ok	1.596	1.536-1.656
Trichloroethylene	5.12	4.55	1.125	ok	1.126	1.066-1.186
Trichlorofluoromethane	2.19	3.27	0.670	ok	0.669	0.609-0.729
Vinyl chloride	1.79	3.27	0.547	ok	0.547	0.487-0.607
Vinyl Acetate	2.91	3.27	0.890	ok	0.888	0.828-0.948
m,p-Xylene	11.50	10.12	1.136	ok	1.137	1.077-1.197
o-Xylene	12.43	10.12	1.228	ok	1.229	1.169-1.289
TVHC As Equiv Pentane	2.31	10.12	0.228	ok	0.227	0.167-0.287

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.27	ok	3.27	2.94-3.60	86358	ok	80511	48307-112715
1,4-Difluorobenzene	4.55	ok	4.55	4.22-4.88	435174	ok	406483	243890-569076
Chlorobenzene-D5	10.12	ok	10.12	9.79-10.45	379594	ok	359712	215827-503597

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	Reporting this level
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.14	3.27	0.654	ok	0.653	0.593-0.713
Acrolein	2.10	3.27	0.642	ok	0.640	0.580-0.700
Acrylonitrile	2.28	3.27	0.697	ok	0.696	0.636-0.756
Acetonitrile	2.05	3.27	0.627	ok	0.627	0.567-0.687
1,3-Butadiene	1.83	3.27	0.560	ok	0.560	0.500-0.620
Benzene	4.23	3.27	1.294	ok	1.293	1.233-1.353
Bromobenzene	13.81	10.12	1.365	ok	1.366	1.306-1.426
Bromodichloromethane	5.07	4.55	1.114	ok	1.114	1.054-1.174
Bromoform	11.31	10.12	1.118	ok	1.118	1.058-1.178
Bromomethane	1.91	3.27	0.584	ok	0.584	0.524-0.644
Bromoethene	2.06	3.27	0.630	ok	0.630	0.570-0.690
n-Butane	1.85	3.27	0.566	ok	0.566	0.506-0.626
Benzyl Chloride	16.67	10.12	1.647	ok	1.647	1.587-1.707
n-Butylbenzene	17.43	10.12	1.722	ok	1.722	1.662-1.782
sec-Butylbenzene	16.88	10.12	1.668	ok	1.667	1.607-1.727
tert-Butylbenzene	16.57	10.12	1.637	ok	1.637	1.577-1.697
Carbon disulfide	2.52	3.27	0.771	ok	0.771	0.711-0.831
Chlorobenzene	10.20	10.12	1.008	ok	1.008	0.948-1.068
Chlorodifluoromethane	1.66	3.27	0.508	ok	0.508	0.448-0.568
Chloroethane	1.96	3.27	0.599	ok	0.599	0.539-0.659
Chlorotrifluoroethene	1.67	3.27	0.511	ok	0.511	0.451-0.571
Chloroform	3.34	3.27	1.021	ok	1.022	0.962-1.082
Chloromethane	1.74	3.27	0.532	ok	0.529	0.469-0.589
3-Chloropropene	2.47	3.27	0.755	ok	0.755	0.695-0.815
2-Chlorotoluene	14.95	10.12	1.477	ok	1.477	1.417-1.537
Carbon tetrachloride	4.34	3.27	1.327	ok	1.326	1.266-1.386
Cyclohexane	4.43	4.55	0.974	ok	0.974	0.914-1.034
1,1-Dichloroethane	2.83	3.27	0.865	ok	0.865	0.805-0.925
1,1-Dichloroethylene	2.39	3.27	0.731	ok	0.731	0.671-0.791
1,2-Dibromoethane (EDB)	8.15	4.55	1.791	ok	1.789	1.729-1.849
1,2-Dichloroethane	3.75	3.27	1.147	ok	1.147	1.087-1.207
1,2-Dichloropropane	4.89	4.55	1.075	ok	1.074	1.014-1.134
1,3-Dichloropropane	7.32	4.55	1.609	ok	1.609	1.549-1.669
1,4-Dioxane	5.24	4.55	1.152	ok	1.137	1.077-1.197
Dichlorodifluoromethane	1.69	3.27	0.517	ok	0.517	0.457-0.577
Dichlorofluoromethane	1.98	3.27	0.606	ok	0.606	0.546-0.666
Dibromochloromethane	7.79	4.55	1.712	ok	1.713	1.653-1.773
Dibromomethane	4.85	4.55	1.066	ok	1.066	1.006-1.126
trans-1,2-Dichloroethylene	2.75	3.27	0.841	ok	0.841	0.781-0.901

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	Reporting this level
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.19	3.27	0.976	ok	0.976	0.916-1.036
cis-1,3-Dichloropropene	6.06	4.55	1.332	ok	1.332	1.272-1.392
m-Dichlorobenzene	16.64	10.12	1.644	ok	1.644	1.584-1.704
o-Dichlorobenzene	17.04	10.12	1.684	ok	1.684	1.624-1.744
p-Dichlorobenzene	16.73	10.12	1.653	ok	1.653	1.593-1.713
trans-1,3-Dichloropropene	6.74	4.55	1.481	ok	1.481	1.421-1.541
Di-Isopropyl ether	3.34	3.27	1.021	ok	1.020	0.960-1.080
2,3-Dimethylpentane	4.68	4.55	1.029	ok	1.030	0.970-1.090
2,4-Dimethylpentane	3.83	3.27	1.171	ok	1.173	1.113-1.233
Ethanol	2.00	3.27	0.612	ok	0.610	0.550-0.670
Ethylbenzene	11.08	10.12	1.095	ok	1.095	1.035-1.155
Ethyl Acetate	3.35	3.27	1.024	ok	1.020	0.960-1.080
Ethyl Acrylate	5.03	4.55	1.105	ok	1.103	1.043-1.163
4-Ethyltoluene	15.74	10.12	1.555	ok	1.555	1.495-1.615
Freon 113	2.52	3.27	0.771	ok	0.771	0.711-0.831
Freon 114	1.76	3.27	0.538	ok	0.538	0.478-0.598
Freon 115	1.62	3.27	0.495	ok	0.494	0.434-0.554
Freon 123	2.11	3.27	0.645	ok	0.643	0.583-0.703
Freon 123A	2.12	3.27	0.648	ok	0.649	0.589-0.709
Freon 142B	1.73	3.27	0.529	ok	0.527	0.467-0.587
Freon 152A	1.65	3.27	0.505	ok	0.504	0.444-0.564
Heptane	5.53	4.55	1.215	ok	1.216	1.156-1.276
Hexachlorobutadiene	18.66	10.12	1.844	ok	1.843	1.783-1.903
Hexachloroethane	17.60	10.12	1.739	ok	1.739	1.679-1.799
Hexane	3.32	3.27	1.015	ok	1.015	0.955-1.075
2-Hexanone	7.89	4.55	1.734	ok	1.729	1.669-1.789
Iodomethane	2.37	3.27	0.725	ok	0.722	0.662-0.782
Isopropylbenzene	13.96	10.12	1.379	ok	1.379	1.319-1.439
Isopropyl Alcohol	2.23	3.27	0.682	ok	0.679	0.619-0.739
p-Isopropyltoluene	17.06	10.12	1.686	ok	1.686	1.626-1.746
Methylene chloride	2.43	3.27	0.743	ok	0.742	0.682-0.802
Methyl ethyl ketone	3.01	3.27	0.920	ok	0.919	0.859-0.979
Methyl Isobutyl Ketone	6.21	4.55	1.365	ok	1.360	1.300-1.420
Methyl Tert Butyl Ether	2.87	3.27	0.878	ok	0.877	0.817-0.937
Methylmethacrylate	5.44	4.55	1.196	ok	1.195	1.135-1.255
Naphthalene	18.40	10.12	1.818	ok	1.818	1.758-1.878
Nonane	13.57	10.12	1.341	ok	1.340	1.280-1.400
Octane	9.14	4.55	2.009	ok	2.009	1.949-2.069
Pentane	2.30	3.27	0.703	ok	0.704	0.644-0.764

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	Reporting this level
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
n-Propylbenzene	15.29	10.12	1.511	ok	1.512	1.452-1.572
Propylene	1.67	3.27	0.511	ok	0.511	0.451-0.571
Styrene	12.23	10.12	1.208	ok	1.208	1.148-1.268
1,1,1-Trichloroethane	3.91	3.27	1.196	ok	1.196	1.136-1.256
1,1,1,2-Tetrachloroethane	10.21	10.12	1.009	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	12.45	10.12	1.230	ok	1.231	1.171-1.291
1,1,2-Trichloroethane	6.89	4.55	1.514	ok	1.515	1.455-1.575
1,2,4-Trichlorobenzene	18.35	10.12	1.813	ok	1.813	1.753-1.873
1,2,3-Trichloropropane	12.73	10.12	1.258	ok	1.259	1.199-1.319
1,2,3-Trimethylbenzene	16.99	10.12	1.679	ok	1.679	1.619-1.739
1,2,4-Trimethylbenzene	16.58	10.12	1.638	ok	1.638	1.578-1.698
1,3,5-Trimethylbenzene	16.00	10.12	1.581	ok	1.581	1.521-1.641
2,2,4-Trimethylpentane	5.21	4.55	1.145	ok	1.147	1.087-1.207
Tertiary Butyl Alcohol	2.45	3.27	0.749	ok	0.743	0.683-0.803
Tetrachloroethylene	8.99	4.55	1.976	ok	1.977	1.917-2.037
Tetrahydrofuran	3.59	3.27	1.098	ok	1.091	1.031-1.151
Toluene	7.26	4.55	1.596	ok	1.596	1.536-1.656
Trichloroethylene	5.12	4.55	1.125	ok	1.126	1.066-1.186
Trichlorofluoromethane	2.19	3.27	0.670	ok	0.669	0.609-0.729
Vinyl chloride	1.79	3.27	0.547	ok	0.547	0.487-0.607
Vinyl Acetate	2.90	3.27	0.887	ok	0.888	0.828-0.948
m,p-Xylene	11.50	10.12	1.136	ok	1.137	1.077-1.197
o-Xylene	12.44	10.12	1.229	ok	1.229	1.169-1.289
TVHC As Equiv Pentane	2.30	10.12	0.227	ok	0.227	0.167-0.287

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.27	ok	3.27	2.94-3.60	83993	ok	80511	48307-112715
1,4-Difluorobenzene	4.55	ok	4.55	4.22-4.88	426374	ok	406483	243890-569076
Chlorobenzene-D5	10.12	ok	10.12	9.79-10.45	372534	ok	359712	215827-503597

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	Reporting this level
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.14	3.27	0.654	ok	0.653	0.593-0.713
Acrolein	2.09	3.27	0.639	ok	0.640	0.580-0.700
Acrylonitrile	2.28	3.27	0.697	ok	0.696	0.636-0.756
Acetonitrile	2.06	3.27	0.630	ok	0.627	0.567-0.687
1,3-Butadiene	1.83	3.27	0.560	ok	0.560	0.500-0.620
Benzene	4.22	3.27	1.291	ok	1.293	1.233-1.353
Bromobenzene	13.82	10.12	1.366	ok	1.366	1.306-1.426
Bromodichloromethane	5.06	4.55	1.112	ok	1.114	1.054-1.174
Bromoform	11.32	10.12	1.119	ok	1.118	1.058-1.178
Bromomethane	1.91	3.27	0.584	ok	0.584	0.524-0.644
Bromoethene	2.06	3.27	0.630	ok	0.630	0.570-0.690
n-Butane	1.85	3.27	0.566	ok	0.566	0.506-0.626
Benzyl Chloride	16.67	10.12	1.647	ok	1.647	1.587-1.707
n-Butylbenzene	17.43	10.12	1.722	ok	1.722	1.662-1.782
sec-Butylbenzene	16.87	10.12	1.667	ok	1.667	1.607-1.727
tert-Butylbenzene	16.57	10.12	1.637	ok	1.637	1.577-1.697
Carbon disulfide	2.52	3.27	0.771	ok	0.771	0.711-0.831
Chlorobenzene	10.20	10.12	1.008	ok	1.008	0.948-1.068
Chlorodifluoromethane	1.66	3.27	0.508	ok	0.508	0.448-0.568
Chloroethane	1.96	3.27	0.599	ok	0.599	0.539-0.659
Chlorotrifluoroethene	1.67	3.27	0.511	ok	0.511	0.451-0.571
Chloroform	3.34	3.27	1.021	ok	1.022	0.962-1.082
Chloromethane	1.73	3.27	0.529	ok	0.529	0.469-0.589
3-Chloropropene	2.47	3.27	0.755	ok	0.755	0.695-0.815
2-Chlorotoluene	14.95	10.12	1.477	ok	1.477	1.417-1.537
Carbon tetrachloride	4.34	3.27	1.327	ok	1.326	1.266-1.386
Cyclohexane	4.43	4.55	0.974	ok	0.974	0.914-1.034
1,1-Dichloroethane	2.83	3.27	0.865	ok	0.865	0.805-0.925
1,1-Dichloroethylene	2.39	3.27	0.731	ok	0.731	0.671-0.791
1,2-Dibromoethane (EDB)	8.14	4.55	1.789	ok	1.789	1.729-1.849
1,2-Dichloroethane	3.75	3.27	1.147	ok	1.147	1.087-1.207
1,2-Dichloropropane	4.89	4.55	1.075	ok	1.074	1.014-1.134
1,3-Dichloropropane	7.32	4.55	1.609	ok	1.609	1.549-1.669
1,4-Dioxane	5.22	4.55	1.147	ok	1.137	1.077-1.197
Dichlorodifluoromethane	1.69	3.27	0.517	ok	0.517	0.457-0.577
Dichlorofluoromethane	1.98	3.27	0.606	ok	0.606	0.546-0.666
Dibromochloromethane	7.79	4.55	1.712	ok	1.713	1.653-1.773
Dibromomethane	4.85	4.55	1.066	ok	1.066	1.006-1.126
trans-1,2-Dichloroethylene	2.75	3.27	0.841	ok	0.841	0.781-0.901

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	Reporting this level
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.19	3.27	0.976	ok	0.976	0.916-1.036
cis-1,3-Dichloropropene	6.06	4.55	1.332	ok	1.332	1.272-1.392
m-Dichlorobenzene	16.64	10.12	1.644	ok	1.644	1.584-1.704
o-Dichlorobenzene	17.04	10.12	1.684	ok	1.684	1.624-1.744
p-Dichlorobenzene	16.73	10.12	1.653	ok	1.653	1.593-1.713
trans-1,3-Dichloropropene	6.74	4.55	1.481	ok	1.481	1.421-1.541
Di-Isopropyl ether	3.34	3.27	1.021	ok	1.020	0.960-1.080
2,3-Dimethylpentane	4.68	4.55	1.029	ok	1.030	0.970-1.090
2,4-Dimethylpentane	3.84	3.27	1.174	ok	1.173	1.113-1.233
Ethanol	2.00	3.27	0.612	ok	0.610	0.550-0.670
Ethylbenzene	11.08	10.12	1.095	ok	1.095	1.035-1.155
Ethyl Acetate	3.34	3.27	1.021	ok	1.020	0.960-1.080
Ethyl Acrylate	5.02	4.55	1.103	ok	1.103	1.043-1.163
4-Ethyltoluene	15.75	10.12	1.556	ok	1.555	1.495-1.615
Freon 113	2.52	3.27	0.771	ok	0.771	0.711-0.831
Freon 114	1.76	3.27	0.538	ok	0.538	0.478-0.598
Freon 115	1.62	3.27	0.495	ok	0.494	0.434-0.554
Freon 123	2.10	3.27	0.642	ok	0.643	0.583-0.703
Freon 123A	2.12	3.27	0.648	ok	0.649	0.589-0.709
Freon 142B	1.72	3.27	0.526	ok	0.527	0.467-0.587
Freon 152A	1.65	3.27	0.505	ok	0.504	0.444-0.564
Heptane	5.53	4.55	1.215	ok	1.216	1.156-1.276
Hexachlorobutadiene	18.66	10.12	1.844	ok	1.843	1.783-1.903
Hexachloroethane	17.60	10.12	1.739	ok	1.739	1.679-1.799
Hexane	3.32	3.27	1.015	ok	1.015	0.955-1.075
2-Hexanone	7.89	4.55	1.734	ok	1.729	1.669-1.789
Iodomethane	2.36	3.27	0.722	ok	0.722	0.662-0.782
Isopropylbenzene	13.96	10.12	1.379	ok	1.379	1.319-1.439
Isopropyl Alcohol	2.23	3.27	0.682	ok	0.679	0.619-0.739
p-Isopropyltoluene	17.07	10.12	1.687	ok	1.686	1.626-1.746
Methylene chloride	2.42	3.27	0.740	ok	0.742	0.682-0.802
Methyl ethyl ketone	3.01	3.27	0.920	ok	0.919	0.859-0.979
Methyl Isobutyl Ketone	6.22	4.55	1.367	ok	1.360	1.300-1.420
Methyl Tert Butyl Ether	2.87	3.27	0.878	ok	0.877	0.817-0.937
Methylmethacrylate	5.44	4.55	1.196	ok	1.195	1.135-1.255
Naphthalene	18.40	10.12	1.818	ok	1.818	1.758-1.878
Nonane	13.56	10.12	1.340	ok	1.340	1.280-1.400
Octane	9.14	4.55	2.009	ok	2.009	1.949-2.069
Pentane	2.30	3.27	0.703	ok	0.704	0.644-0.764

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	Reporting this level
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
n-Propylbenzene	15.31	10.12	1.513	ok	1.512	1.452-1.572
Propylene	1.67	3.27	0.511	ok	0.511	0.451-0.571
Styrene	12.23	10.12	1.208	ok	1.208	1.148-1.268
1,1,1-Trichloroethane	3.91	3.27	1.196	ok	1.196	1.136-1.256
1,1,1,2-Tetrachloroethane	10.21	10.12	1.009	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	12.45	10.12	1.230	ok	1.231	1.171-1.291
1,1,2-Trichloroethane	6.89	4.55	1.514	ok	1.515	1.455-1.575
1,2,4-Trichlorobenzene	18.35	10.12	1.813	ok	1.813	1.753-1.873
1,2,3-Trichloropropane	12.74	10.12	1.259	ok	1.259	1.199-1.319
1,2,3-Trimethylbenzene	16.99	10.12	1.679	ok	1.679	1.619-1.739
1,2,4-Trimethylbenzene	16.58	10.12	1.638	ok	1.638	1.578-1.698
1,3,5-Trimethylbenzene	15.99	10.12	1.580	ok	1.581	1.521-1.641
2,2,4-Trimethylpentane	5.22	4.55	1.147	ok	1.147	1.087-1.207
Tertiary Butyl Alcohol	2.45	3.27	0.749	ok	0.743	0.683-0.803
Tetrachloroethylene	8.99	4.55	1.976	ok	1.977	1.917-2.037
Tetrahydrofuran	3.58	3.27	1.095	ok	1.091	1.031-1.151
Toluene	7.26	4.55	1.596	ok	1.596	1.536-1.656
Trichloroethylene	5.12	4.55	1.125	ok	1.126	1.066-1.186
Trichlorofluoromethane	2.19	3.27	0.670	ok	0.669	0.609-0.729
Vinyl chloride	1.79	3.27	0.547	ok	0.547	0.487-0.607
Vinyl Acetate	2.91	3.27	0.890	ok	0.888	0.828-0.948
m,p-Xylene	11.50	10.12	1.136	ok	1.137	1.077-1.197
o-Xylene	12.45	10.12	1.230	ok	1.229	1.169-1.289
TVHC As Equiv Pentane	2.30	10.12	0.227	ok	0.227	0.167-0.287

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.27	ok	3.27	2.94-3.60	81591	ok	80511	48307-112715
1,4-Difluorobenzene	4.55	ok	4.55	4.22-4.88	417480	ok	406483	243890-569076
Chlorobenzene-D5	10.12	ok	10.12	9.79-10.45	367012	ok	359712	215827-503597

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	Reporting this level
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.14	3.27	0.654	ok	0.653	0.593-0.713
Acrolein	2.09	3.27	0.639	ok	0.640	0.580-0.700
Acrylonitrile	2.27	3.27	0.694	ok	0.696	0.636-0.756
Acetonitrile	2.05	3.27	0.627	ok	0.627	0.567-0.687
1,3-Butadiene	1.83	3.27	0.560	ok	0.560	0.500-0.620
Benzene	4.22	3.27	1.291	ok	1.293	1.233-1.353
Bromobenzene	13.82	10.12	1.366	ok	1.366	1.306-1.426
Bromodichloromethane	5.07	4.55	1.114	ok	1.114	1.054-1.174
Bromoform	11.32	10.12	1.119	ok	1.118	1.058-1.178
Bromomethane	1.91	3.27	0.584	ok	0.584	0.524-0.644
Bromoethene	2.06	3.27	0.630	ok	0.630	0.570-0.690
n-Butane	1.85	3.27	0.566	ok	0.566	0.506-0.626
Benzyl Chloride	16.67	10.12	1.647	ok	1.647	1.587-1.707
n-Butylbenzene	17.42	10.12	1.721	ok	1.722	1.662-1.782
sec-Butylbenzene	16.87	10.12	1.667	ok	1.667	1.607-1.727
tert-Butylbenzene	16.57	10.12	1.637	ok	1.637	1.577-1.697
Carbon disulfide	2.52	3.27	0.771	ok	0.771	0.711-0.831
Chlorobenzene	10.20	10.12	1.008	ok	1.008	0.948-1.068
Chlorodifluoromethane	1.66	3.27	0.508	ok	0.508	0.448-0.568
Chloroethane	1.96	3.27	0.599	ok	0.599	0.539-0.659
Chlorotrifluoroethene	1.67	3.27	0.511	ok	0.511	0.451-0.571
Chloroform	3.34	3.27	1.021	ok	1.022	0.962-1.082
Chloromethane	1.73	3.27	0.529	ok	0.529	0.469-0.589
3-Chloropropene	2.47	3.27	0.755	ok	0.755	0.695-0.815
2-Chlorotoluene	14.95	10.12	1.477	ok	1.477	1.417-1.537
Carbon tetrachloride	4.33	3.27	1.324	ok	1.326	1.266-1.386
Cyclohexane	4.43	4.55	0.974	ok	0.974	0.914-1.034
1,1-Dichloroethane	2.83	3.27	0.865	ok	0.865	0.805-0.925
1,1-Dichloroethylene	2.39	3.27	0.731	ok	0.731	0.671-0.791
1,2-Dibromoethane (EDB)	8.13	4.55	1.787	ok	1.789	1.729-1.849
1,2-Dichloroethane	3.75	3.27	1.147	ok	1.147	1.087-1.207
1,2-Dichloropropane	4.89	4.55	1.075	ok	1.074	1.014-1.134
1,3-Dichloropropane	7.32	4.55	1.609	ok	1.609	1.549-1.669
1,4-Dioxane	5.21	4.55	1.145	ok	1.137	1.077-1.197
Dichlorodifluoromethane	1.69	3.27	0.517	ok	0.517	0.457-0.577
Dichlorofluoromethane	1.98	3.27	0.606	ok	0.606	0.546-0.666
Dibromochloromethane	7.79	4.55	1.712	ok	1.713	1.653-1.773
Dibromomethane	4.85	4.55	1.066	ok	1.066	1.006-1.126
trans-1,2-Dichloroethylene	2.75	3.27	0.841	ok	0.841	0.781-0.901

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	Reporting this level
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.19	3.27	0.976	ok	0.976	0.916-1.036
cis-1,3-Dichloropropene	6.06	4.55	1.332	ok	1.332	1.272-1.392
m-Dichlorobenzene	16.64	10.12	1.644	ok	1.644	1.584-1.704
o-Dichlorobenzene	17.04	10.12	1.684	ok	1.684	1.624-1.744
p-Dichlorobenzene	16.73	10.12	1.653	ok	1.653	1.593-1.713
trans-1,3-Dichloropropene	6.74	4.55	1.481	ok	1.481	1.421-1.541
Di-Isopropyl ether	3.34	3.27	1.021	ok	1.020	0.960-1.080
2,3-Dimethylpentane	4.69	4.55	1.031	ok	1.030	0.970-1.090
2,4-Dimethylpentane	3.83	3.27	1.171	ok	1.173	1.113-1.233
Ethanol	1.99	3.27	0.609	ok	0.610	0.550-0.670
Ethylbenzene	11.08	10.12	1.095	ok	1.095	1.035-1.155
Ethyl Acetate	3.34	3.27	1.021	ok	1.020	0.960-1.080
Ethyl Acrylate	5.02	4.55	1.103	ok	1.103	1.043-1.163
4-Ethyltoluene	15.75	10.12	1.556	ok	1.555	1.495-1.615
Freon 113	2.52	3.27	0.771	ok	0.771	0.711-0.831
Freon 114	1.76	3.27	0.538	ok	0.538	0.478-0.598
Freon 115	1.61	3.27	0.492	ok	0.494	0.434-0.554
Freon 123	2.10	3.27	0.642	ok	0.643	0.583-0.703
Freon 123A	2.12	3.27	0.648	ok	0.649	0.589-0.709
Freon 142B	1.72	3.27	0.526	ok	0.527	0.467-0.587
Freon 152A	1.64	3.27	0.502	ok	0.504	0.444-0.564
Heptane	5.53	4.55	1.215	ok	1.216	1.156-1.276
Hexachlorobutadiene	18.66	10.12	1.844	ok	1.843	1.783-1.903
Hexachloroethane	17.60	10.12	1.739	ok	1.739	1.679-1.799
Hexane	3.32	3.27	1.015	ok	1.015	0.955-1.075
2-Hexanone	7.88	4.55	1.732	ok	1.729	1.669-1.789
Iodomethane	2.36	3.27	0.722	ok	0.722	0.662-0.782
Isopropylbenzene	13.95	10.12	1.378	ok	1.379	1.319-1.439
Isopropyl Alcohol	2.23	3.27	0.682	ok	0.679	0.619-0.739
p-Isopropyltoluene	17.06	10.12	1.686	ok	1.686	1.626-1.746
Methylene chloride	2.42	3.27	0.740	ok	0.742	0.682-0.802
Methyl ethyl ketone	3.01	3.27	0.920	ok	0.919	0.859-0.979
Methyl Isobutyl Ketone	6.20	4.55	1.363	ok	1.360	1.300-1.420
Methyl Tert Butyl Ether	2.87	3.27	0.878	ok	0.877	0.817-0.937
Methylmethacrylate	5.44	4.55	1.196	ok	1.195	1.135-1.255
Naphthalene	18.40	10.12	1.818	ok	1.818	1.758-1.878
Nonane	13.56	10.12	1.340	ok	1.340	1.280-1.400
Octane	9.14	4.55	2.009	ok	2.009	1.949-2.069
Pentane	2.30	3.27	0.703	ok	0.704	0.644-0.764

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	Reporting this level
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
n-Propylbenzene	15.30	10.12	1.512	ok	1.512	1.452-1.572
Propylene	1.67	3.27	0.511	ok	0.511	0.451-0.571
Styrene	12.23	10.12	1.208	ok	1.208	1.148-1.268
1,1,1-Trichloroethane	3.91	3.27	1.196	ok	1.196	1.136-1.256
1,1,1,2-Tetrachloroethane	10.20	10.12	1.008	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	12.45	10.12	1.230	ok	1.231	1.171-1.291
1,1,2-Trichloroethane	6.89	4.55	1.514	ok	1.515	1.455-1.575
1,2,4-Trichlorobenzene	18.35	10.12	1.813	ok	1.813	1.753-1.873
1,2,3-Trichloropropane	12.74	10.12	1.259	ok	1.259	1.199-1.319
1,2,3-Trimethylbenzene	16.99	10.12	1.679	ok	1.679	1.619-1.739
1,2,4-Trimethylbenzene	16.58	10.12	1.638	ok	1.638	1.578-1.698
1,3,5-Trimethylbenzene	15.99	10.12	1.580	ok	1.581	1.521-1.641
2,2,4-Trimethylpentane	5.21	4.55	1.145	ok	1.147	1.087-1.207
Tertiary Butyl Alcohol	2.44	3.27	0.746	ok	0.743	0.683-0.803
Tetrachloroethylene	9.00	4.55	1.978	ok	1.977	1.917-2.037
Tetrahydrofuran	3.58	3.27	1.095	ok	1.091	1.031-1.151
Toluene	7.26	4.55	1.596	ok	1.596	1.536-1.656
Trichloroethylene	5.12	4.55	1.125	ok	1.126	1.066-1.186
Trichlorofluoromethane	2.18	3.27	0.667	ok	0.669	0.609-0.729
Vinyl chloride	1.79	3.27	0.547	ok	0.547	0.487-0.607
Vinyl Acetate	2.90	3.27	0.887	ok	0.888	0.828-0.948
m,p-Xylene	11.51	10.12	1.137	ok	1.137	1.077-1.197
o-Xylene	12.44	10.12	1.229	ok	1.229	1.169-1.289
TVHC As Equiv Pentane	2.30	10.12	0.227	ok	0.227	0.167-0.287

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.27	ok	3.27	2.94-3.60	79966	ok	80511	48307-112715
1,4-Difluorobenzene	4.55	ok	4.55	4.22-4.88	410941	ok	406483	243890-569076
Chlorobenzene-D5	10.12	ok	10.12	9.79-10.45	362110	ok	359712	215827-503597

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	Reporting this level
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.14	3.27	0.654	ok	0.653	0.593-0.713
Acrolein	2.09	3.27	0.639	ok	0.640	0.580-0.700
Acrylonitrile	2.28	3.27	0.697	ok	0.696	0.636-0.756
Acetonitrile	2.05	3.27	0.627	ok	0.627	0.567-0.687
1,3-Butadiene	1.83	3.27	0.560	ok	0.560	0.500-0.620
Benzene	4.23	3.27	1.294	ok	1.293	1.233-1.353
Bromobenzene	13.82	10.12	1.366	ok	1.366	1.306-1.426
Bromodichloromethane	5.07	4.55	1.114	ok	1.114	1.054-1.174
Bromoform	11.32	10.12	1.119	ok	1.118	1.058-1.178
Bromomethane	1.91	3.27	0.584	ok	0.584	0.524-0.644
Bromoethene	2.06	3.27	0.630	ok	0.630	0.570-0.690
n-Butane	1.85	3.27	0.566	ok	0.566	0.506-0.626
Benzyl Chloride	16.67	10.12	1.647	ok	1.647	1.587-1.707
n-Butylbenzene	17.42	10.12	1.721	ok	1.722	1.662-1.782
sec-Butylbenzene	16.87	10.12	1.667	ok	1.667	1.607-1.727
tert-Butylbenzene	16.57	10.12	1.637	ok	1.637	1.577-1.697
Carbon disulfide	2.52	3.27	0.771	ok	0.771	0.711-0.831
Chlorobenzene	10.20	10.12	1.008	ok	1.008	0.948-1.068
Chlorodifluoromethane	1.66	3.27	0.508	ok	0.508	0.448-0.568
Chloroethane	1.96	3.27	0.599	ok	0.599	0.539-0.659
Chlorotrifluoroethene	1.67	3.27	0.511	ok	0.511	0.451-0.571
Chloroform	3.34	3.27	1.021	ok	1.022	0.962-1.082
Chloromethane	1.73	3.27	0.529	ok	0.529	0.469-0.589
3-Chloropropene	2.47	3.27	0.755	ok	0.755	0.695-0.815
2-Chlorotoluene	14.95	10.12	1.477	ok	1.477	1.417-1.537
Carbon tetrachloride	4.34	3.27	1.327	ok	1.326	1.266-1.386
Cyclohexane	4.43	4.55	0.974	ok	0.974	0.914-1.034
1,1-Dichloroethane	2.83	3.27	0.865	ok	0.865	0.805-0.925
1,1-Dichloroethylene	2.39	3.27	0.731	ok	0.731	0.671-0.791
1,2-Dibromoethane (EDB)	8.14	4.55	1.789	ok	1.789	1.729-1.849
1,2-Dichloroethane	3.75	3.27	1.147	ok	1.147	1.087-1.207
1,2-Dichloropropane	4.89	4.55	1.075	ok	1.074	1.014-1.134
1,3-Dichloropropane	7.32	4.55	1.609	ok	1.609	1.549-1.669
1,4-Dioxane	5.16	4.55	1.134	ok	1.137	1.077-1.197
Dichlorodifluoromethane	1.69	3.27	0.517	ok	0.517	0.457-0.577
Dichlorofluoromethane	1.98	3.27	0.606	ok	0.606	0.546-0.666
Dibromochloromethane	7.79	4.55	1.712	ok	1.713	1.653-1.773
Dibromomethane	4.85	4.55	1.066	ok	1.066	1.006-1.126
trans-1,2-Dichloroethylene	2.75	3.27	0.841	ok	0.841	0.781-0.901

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	Reporting this level
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.19	3.27	0.976	ok	0.976	0.916-1.036
cis-1,3-Dichloropropene	6.06	4.55	1.332	ok	1.332	1.272-1.392
m-Dichlorobenzene	16.64	10.12	1.644	ok	1.644	1.584-1.704
o-Dichlorobenzene	17.04	10.12	1.684	ok	1.684	1.624-1.744
p-Dichlorobenzene	16.73	10.12	1.653	ok	1.653	1.593-1.713
trans-1,3-Dichloropropene	6.73	4.55	1.479	ok	1.481	1.421-1.541
Di-Isopropyl ether	3.33	3.27	1.018	ok	1.020	0.960-1.080
2,3-Dimethylpentane	4.69	4.55	1.031	ok	1.030	0.970-1.090
2,4-Dimethylpentane	3.83	3.27	1.171	ok	1.173	1.113-1.233
Ethanol	1.99	3.27	0.609	ok	0.610	0.550-0.670
Ethylbenzene	11.08	10.12	1.095	ok	1.095	1.035-1.155
Ethyl Acetate	3.33	3.27	1.018	ok	1.020	0.960-1.080
Ethyl Acrylate	5.01	4.55	1.101	ok	1.103	1.043-1.163
4-Ethyltoluene	15.74	10.12	1.555	ok	1.555	1.495-1.615
Freon 113	2.52	3.27	0.771	ok	0.771	0.711-0.831
Freon 114	1.76	3.27	0.538	ok	0.538	0.478-0.598
Freon 115	1.62	3.27	0.495	ok	0.494	0.434-0.554
Freon 123	2.11	3.27	0.645	ok	0.643	0.583-0.703
Freon 123A	2.12	3.27	0.648	ok	0.649	0.589-0.709
Freon 142B	1.73	3.27	0.529	ok	0.527	0.467-0.587
Freon 152A	1.65	3.27	0.505	ok	0.504	0.444-0.564
Heptane	5.53	4.55	1.215	ok	1.216	1.156-1.276
Hexachlorobutadiene	18.66	10.12	1.844	ok	1.843	1.783-1.903
Hexachloroethane	17.60	10.12	1.739	ok	1.739	1.679-1.799
Hexane	3.32	3.27	1.015	ok	1.015	0.955-1.075
2-Hexanone	7.86	4.55	1.727	ok	1.729	1.669-1.789
Iodomethane	2.36	3.27	0.722	ok	0.722	0.662-0.782
Isopropylbenzene	13.95	10.12	1.378	ok	1.379	1.319-1.439
Isopropyl Alcohol	2.22	3.27	0.679	ok	0.679	0.619-0.739
p-Isopropyltoluene	17.06	10.12	1.686	ok	1.686	1.626-1.746
Methylene chloride	2.43	3.27	0.743	ok	0.742	0.682-0.802
Methyl ethyl ketone	3.00	3.27	0.917	ok	0.919	0.859-0.979
Methyl Isobutyl Ketone	6.18	4.55	1.358	ok	1.360	1.300-1.420
Methyl Tert Butyl Ether	2.87	3.27	0.878	ok	0.877	0.817-0.937
Methylmethacrylate	5.43	4.55	1.193	ok	1.195	1.135-1.255
Naphthalene	18.40	10.12	1.818	ok	1.818	1.758-1.878
Nonane	13.56	10.12	1.340	ok	1.340	1.280-1.400
Octane	9.14	4.55	2.009	ok	2.009	1.949-2.069
Pentane	2.30	3.27	0.703	ok	0.704	0.644-0.764

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	Reporting this level
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
n-Propylbenzene	15.30	10.12	1.512	ok	1.512	1.452-1.572
Propylene	1.67	3.27	0.511	ok	0.511	0.451-0.571
Styrene	12.23	10.12	1.208	ok	1.208	1.148-1.268
1,1,1-Trichloroethane	3.91	3.27	1.196	ok	1.196	1.136-1.256
1,1,1,2-Tetrachloroethane	10.21	10.12	1.009	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	12.45	10.12	1.230	ok	1.231	1.171-1.291
1,1,2-Trichloroethane	6.89	4.55	1.514	ok	1.515	1.455-1.575
1,2,4-Trichlorobenzene	18.35	10.12	1.813	ok	1.813	1.753-1.873
1,2,3-Trichloropropane	12.74	10.12	1.259	ok	1.259	1.199-1.319
1,2,3-Trimethylbenzene	16.99	10.12	1.679	ok	1.679	1.619-1.739
1,2,4-Trimethylbenzene	16.58	10.12	1.638	ok	1.638	1.578-1.698
1,3,5-Trimethylbenzene	16.00	10.12	1.581	ok	1.581	1.521-1.641
2,2,4-Trimethylpentane	5.22	4.55	1.147	ok	1.147	1.087-1.207
Tertiary Butyl Alcohol	2.43	3.27	0.743	ok	0.743	0.683-0.803
Tetrachloroethylene	8.99	4.55	1.976	ok	1.977	1.917-2.037
Tetrahydrofuran	3.56	3.27	1.089	ok	1.091	1.031-1.151
Toluene	7.26	4.55	1.596	ok	1.596	1.536-1.656
Trichloroethylene	5.12	4.55	1.125	ok	1.126	1.066-1.186
Trichlorofluoromethane	2.19	3.27	0.670	ok	0.669	0.609-0.729
Vinyl chloride	1.79	3.27	0.547	ok	0.547	0.487-0.607
Vinyl Acetate	2.90	3.27	0.887	ok	0.888	0.828-0.948
m,p-Xylene	11.50	10.12	1.136	ok	1.137	1.077-1.197
o-Xylene	12.44	10.12	1.229	ok	1.229	1.169-1.289
TVHC As Equiv Pentane	2.30	10.12	0.227	ok	0.227	0.167-0.287

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.27	ok	3.27	2.94-3.60	81466	ok	80511	48307-112715
1,4-Difluorobenzene	4.55	ok	4.55	4.22-4.88	410025	ok	406483	243890-569076
Chlorobenzene-D5	10.12	ok	10.12	9.79-10.45	361102	ok	359712	215827-503597

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	Reporting this level
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.13	3.27	0.651	ok	0.653	0.593-0.713
Acrolein	2.09	3.27	0.639	ok	0.640	0.580-0.700
Acrylonitrile	2.27	3.27	0.694	ok	0.696	0.636-0.756
Acetonitrile	2.05	3.27	0.627	ok	0.627	0.567-0.687
1,3-Butadiene	1.83	3.27	0.560	ok	0.560	0.500-0.620
Benzene	4.23	3.27	1.294	ok	1.293	1.233-1.353
Bromobenzene	13.82	10.12	1.366	ok	1.366	1.306-1.426
Bromodichloromethane	5.07	4.55	1.114	ok	1.114	1.054-1.174
Bromoform	11.32	10.12	1.119	ok	1.118	1.058-1.178
Bromomethane	1.91	3.27	0.584	ok	0.584	0.524-0.644
Bromoethene	2.06	3.27	0.630	ok	0.630	0.570-0.690
n-Butane	1.85	3.27	0.566	ok	0.566	0.506-0.626
Benzyl Chloride	16.67	10.12	1.647	ok	1.647	1.587-1.707
n-Butylbenzene	17.42	10.12	1.721	ok	1.722	1.662-1.782
sec-Butylbenzene	16.87	10.12	1.667	ok	1.667	1.607-1.727
tert-Butylbenzene	16.57	10.12	1.637	ok	1.637	1.577-1.697
Carbon disulfide	2.52	3.27	0.771	ok	0.771	0.711-0.831
Chlorobenzene	10.20	10.12	1.008	ok	1.008	0.948-1.068
Chlorodifluoromethane	1.66	3.27	0.508	ok	0.508	0.448-0.568
Chloroethane	1.96	3.27	0.599	ok	0.599	0.539-0.659
Chlorotrifluoroethene	1.67	3.27	0.511	ok	0.511	0.451-0.571
Chloroform	3.34	3.27	1.021	ok	1.022	0.962-1.082
Chloromethane	1.73	3.27	0.529	ok	0.529	0.469-0.589
3-Chloropropene	2.47	3.27	0.755	ok	0.755	0.695-0.815
2-Chlorotoluene	14.95	10.12	1.477	ok	1.477	1.417-1.537
Carbon tetrachloride	4.33	3.27	1.324	ok	1.326	1.266-1.386
Cyclohexane	4.43	4.55	0.974	ok	0.974	0.914-1.034
1,1-Dichloroethane	2.83	3.27	0.865	ok	0.865	0.805-0.925
1,1-Dichloroethylene	2.39	3.27	0.731	ok	0.731	0.671-0.791
1,2-Dibromoethane (EDB)	8.14	4.55	1.789	ok	1.789	1.729-1.849
1,2-Dichloroethane	3.75	3.27	1.147	ok	1.147	1.087-1.207
1,2-Dichloropropane	4.89	4.55	1.075	ok	1.074	1.014-1.134
1,3-Dichloropropane	7.32	4.55	1.609	ok	1.609	1.549-1.669
1,4-Dioxane	5.15	4.55	1.132	ok	1.137	1.077-1.197
Dichlorodifluoromethane	1.69	3.27	0.517	ok	0.517	0.457-0.577
Dichlorofluoromethane	1.98	3.27	0.606	ok	0.606	0.546-0.666
Dibromochloromethane	7.80	4.55	1.714	ok	1.713	1.653-1.773
Dibromomethane	4.85	4.55	1.066	ok	1.066	1.006-1.126
trans-1,2-Dichloroethylene	2.75	3.27	0.841	ok	0.841	0.781-0.901

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	Reporting this level
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.19	3.27	0.976	ok	0.976	0.916-1.036
cis-1,3-Dichloropropene	6.06	4.55	1.332	ok	1.332	1.272-1.392
m-Dichlorobenzene	16.64	10.12	1.644	ok	1.644	1.584-1.704
o-Dichlorobenzene	17.04	10.12	1.684	ok	1.684	1.624-1.744
p-Dichlorobenzene	16.73	10.12	1.653	ok	1.653	1.593-1.713
trans-1,3-Dichloropropene	6.74	4.55	1.481	ok	1.481	1.421-1.541
Di-Isopropyl ether	3.33	3.27	1.018	ok	1.020	0.960-1.080
2,3-Dimethylpentane	4.69	4.55	1.031	ok	1.030	0.970-1.090
2,4-Dimethylpentane	3.83	3.27	1.171	ok	1.173	1.113-1.233
Ethanol	1.99	3.27	0.609	ok	0.610	0.550-0.670
Ethylbenzene	11.08	10.12	1.095	ok	1.095	1.035-1.155
Ethyl Acetate	3.33	3.27	1.018	ok	1.020	0.960-1.080
Ethyl Acrylate	5.01	4.55	1.101	ok	1.103	1.043-1.163
4-Ethyltoluene	15.74	10.12	1.555	ok	1.555	1.495-1.615
Freon 113	2.52	3.27	0.771	ok	0.771	0.711-0.831
Freon 114	1.76	3.27	0.538	ok	0.538	0.478-0.598
Freon 115	1.62	3.27	0.495	ok	0.494	0.434-0.554
Freon 123	2.10	3.27	0.642	ok	0.643	0.583-0.703
Freon 123A	2.12	3.27	0.648	ok	0.649	0.589-0.709
Freon 142B	1.72	3.27	0.526	ok	0.527	0.467-0.587
Freon 152A	1.65	3.27	0.505	ok	0.504	0.444-0.564
Heptane	5.53	4.55	1.215	ok	1.216	1.156-1.276
Hexachlorobutadiene	18.66	10.12	1.844	ok	1.843	1.783-1.903
Hexachloroethane	17.60	10.12	1.739	ok	1.739	1.679-1.799
Hexane	3.32	3.27	1.015	ok	1.015	0.955-1.075
2-Hexanone	7.85	4.55	1.725	ok	1.729	1.669-1.789
Iodomethane	2.36	3.27	0.722	ok	0.722	0.662-0.782
Isopropylbenzene	13.96	10.12	1.379	ok	1.379	1.319-1.439
Isopropyl Alcohol	2.21	3.27	0.676	ok	0.679	0.619-0.739
p-Isopropyltoluene	17.06	10.12	1.686	ok	1.686	1.626-1.746
Methylene chloride	2.43	3.27	0.743	ok	0.742	0.682-0.802
Methyl ethyl ketone	3.00	3.27	0.917	ok	0.919	0.859-0.979
Methyl Isobutyl Ketone	6.18	4.55	1.358	ok	1.360	1.300-1.420
Methyl Tert Butyl Ether	2.87	3.27	0.878	ok	0.877	0.817-0.937
Methylmethacrylate	5.43	4.55	1.193	ok	1.195	1.135-1.255
Naphthalene	18.40	10.12	1.818	ok	1.818	1.758-1.878
Nonane	13.57	10.12	1.341	ok	1.340	1.280-1.400
Octane	9.14	4.55	2.009	ok	2.009	1.949-2.069
Pentane	2.30	3.27	0.703	ok	0.704	0.644-0.764

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	Reporting this level
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
n-Propylbenzene	15.30	10.12	1.512	ok	1.512	1.452-1.572
Propylene	1.67	3.27	0.511	ok	0.511	0.451-0.571
Styrene	12.23	10.12	1.208	ok	1.208	1.148-1.268
1,1,1-Trichloroethane	3.91	3.27	1.196	ok	1.196	1.136-1.256
1,1,1,2-Tetrachloroethane	10.21	10.12	1.009	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	12.46	10.12	1.231	ok	1.231	1.171-1.291
1,1,2-Trichloroethane	6.89	4.55	1.514	ok	1.515	1.455-1.575
1,2,4-Trichlorobenzene	18.35	10.12	1.813	ok	1.813	1.753-1.873
1,2,3-Trichloropropane	12.74	10.12	1.259	ok	1.259	1.199-1.319
1,2,3-Trimethylbenzene	16.99	10.12	1.679	ok	1.679	1.619-1.739
1,2,4-Trimethylbenzene	16.58	10.12	1.638	ok	1.638	1.578-1.698
1,3,5-Trimethylbenzene	16.00	10.12	1.581	ok	1.581	1.521-1.641
2,2,4-Trimethylpentane	5.22	4.55	1.147	ok	1.147	1.087-1.207
Tertiary Butyl Alcohol	2.42	3.27	0.740	ok	0.743	0.683-0.803
Tetrachloroethylene	8.99	4.55	1.976	ok	1.977	1.917-2.037
Tetrahydrofuran	3.56	3.27	1.089	ok	1.091	1.031-1.151
Toluene	7.26	4.55	1.596	ok	1.596	1.536-1.656
Trichloroethylene	5.12	4.55	1.125	ok	1.126	1.066-1.186
Trichlorofluoromethane	2.19	3.27	0.670	ok	0.669	0.609-0.729
Vinyl chloride	1.79	3.27	0.547	ok	0.547	0.487-0.607
Vinyl Acetate	2.90	3.27	0.887	ok	0.888	0.828-0.948
m,p-Xylene	11.51	10.12	1.137	ok	1.137	1.077-1.197
o-Xylene	12.44	10.12	1.229	ok	1.229	1.169-1.289
TVHC As Equiv Pentane	2.30	10.12	0.227	ok	0.227	0.167-0.287

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.27	ok	3.27	2.94-3.60	76492	ok	80511	48307-112715
1,4-Difluorobenzene	4.55	ok	4.55	4.22-4.88	388370	ok	406483	243890-569076
Chlorobenzene-D5	10.12	ok	10.12	9.79-10.45	349697	ok	359712	215827-503597

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	Reporting this level
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.13	3.27	0.651	ok	0.653	0.593-0.713
Acrolein	2.09	3.27	0.639	ok	0.640	0.580-0.700
Acrylonitrile	2.27	3.27	0.694	ok	0.696	0.636-0.756
Acetonitrile	2.05	3.27	0.627	ok	0.627	0.567-0.687
1,3-Butadiene	1.83	3.27	0.560	ok	0.560	0.500-0.620
Benzene	4.23	3.27	1.294	ok	1.293	1.233-1.353
Bromobenzene	13.83	10.12	1.367	ok	1.366	1.306-1.426
Bromodichloromethane	5.07	4.55	1.114	ok	1.114	1.054-1.174
Bromoform	11.32	10.12	1.119	ok	1.118	1.058-1.178
Bromomethane	1.91	3.27	0.584	ok	0.584	0.524-0.644
Bromoethene	2.06	3.27	0.630	ok	0.630	0.570-0.690
n-Butane	1.85	3.27	0.566	ok	0.566	0.506-0.626
Benzyl Chloride	16.67	10.12	1.647	ok	1.647	1.587-1.707
n-Butylbenzene	17.43	10.12	1.722	ok	1.722	1.662-1.782
sec-Butylbenzene	16.88	10.12	1.668	ok	1.667	1.607-1.727
tert-Butylbenzene	16.57	10.12	1.637	ok	1.637	1.577-1.697
Carbon disulfide	2.52	3.27	0.771	ok	0.771	0.711-0.831
Chlorobenzene	10.20	10.12	1.008	ok	1.008	0.948-1.068
Chlorodifluoromethane	1.66	3.27	0.508	ok	0.508	0.448-0.568
Chloroethane	1.96	3.27	0.599	ok	0.599	0.539-0.659
Chlorotrifluoroethene	1.67	3.27	0.511	ok	0.511	0.451-0.571
Chloroform	3.34	3.27	1.021	ok	1.022	0.962-1.082
Chloromethane	1.73	3.27	0.529	ok	0.529	0.469-0.589
3-Chloropropene	2.47	3.27	0.755	ok	0.755	0.695-0.815
2-Chlorotoluene	14.96	10.12	1.478	ok	1.477	1.417-1.537
Carbon tetrachloride	4.34	3.27	1.327	ok	1.326	1.266-1.386
Cyclohexane	4.43	4.55	0.974	ok	0.974	0.914-1.034
1,1-Dichloroethane	2.83	3.27	0.865	ok	0.865	0.805-0.925
1,1-Dichloroethylene	2.39	3.27	0.731	ok	0.731	0.671-0.791
1,2-Dibromoethane (EDB)	8.14	4.55	1.789	ok	1.789	1.729-1.849
1,2-Dichloroethane	3.75	3.27	1.147	ok	1.147	1.087-1.207
1,2-Dichloropropane	4.89	4.55	1.075	ok	1.074	1.014-1.134
1,3-Dichloropropane	7.32	4.55	1.609	ok	1.609	1.549-1.669
1,4-Dioxane	5.14	4.55	1.130	ok	1.137	1.077-1.197
Dichlorodifluoromethane	1.69	3.27	0.517	ok	0.517	0.457-0.577
Dichlorofluoromethane	1.98	3.27	0.606	ok	0.606	0.546-0.666
Dibromochloromethane	7.80	4.55	1.714	ok	1.713	1.653-1.773
Dibromomethane	4.85	4.55	1.066	ok	1.066	1.006-1.126
trans-1,2-Dichloroethylene	2.75	3.27	0.841	ok	0.841	0.781-0.901

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	Reporting this level
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.19	3.27	0.976	ok	0.976	0.916-1.036
cis-1,3-Dichloropropene	6.06	4.55	1.332	ok	1.332	1.272-1.392
m-Dichlorobenzene	16.64	10.12	1.644	ok	1.644	1.584-1.704
o-Dichlorobenzene	17.05	10.12	1.685	ok	1.684	1.624-1.744
p-Dichlorobenzene	16.73	10.12	1.653	ok	1.653	1.593-1.713
trans-1,3-Dichloropropene	6.74	4.55	1.481	ok	1.481	1.421-1.541
Di-Isopropyl ether	3.33	3.27	1.018	ok	1.020	0.960-1.080
2,3-Dimethylpentane	4.69	4.55	1.031	ok	1.030	0.970-1.090
2,4-Dimethylpentane	3.84	3.27	1.174	ok	1.173	1.113-1.233
Ethanol	1.99	3.27	0.609	ok	0.610	0.550-0.670
Ethylbenzene	11.09	10.12	1.096	ok	1.095	1.035-1.155
Ethyl Acetate	3.33	3.27	1.018	ok	1.020	0.960-1.080
Ethyl Acrylate	5.01	4.55	1.101	ok	1.103	1.043-1.163
4-Ethyltoluene	15.75	10.12	1.556	ok	1.555	1.495-1.615
Freon 113	2.52	3.27	0.771	ok	0.771	0.711-0.831
Freon 114	1.76	3.27	0.538	ok	0.538	0.478-0.598
Freon 115	1.62	3.27	0.495	ok	0.494	0.434-0.554
Freon 123	2.10	3.27	0.642	ok	0.643	0.583-0.703
Freon 123A	2.12	3.27	0.648	ok	0.649	0.589-0.709
Freon 142B	1.72	3.27	0.526	ok	0.527	0.467-0.587
Freon 152A	1.65	3.27	0.505	ok	0.504	0.444-0.564
Heptane	5.53	4.55	1.215	ok	1.216	1.156-1.276
Hexachlorobutadiene	18.66	10.12	1.844	ok	1.843	1.783-1.903
Hexachloroethane	17.60	10.12	1.739	ok	1.739	1.679-1.799
Hexane	3.32	3.27	1.015	ok	1.015	0.955-1.075
2-Hexanone	7.85	4.55	1.725	ok	1.729	1.669-1.789
Iodomethane	2.36	3.27	0.722	ok	0.722	0.662-0.782
Isopropylbenzene	13.96	10.12	1.379	ok	1.379	1.319-1.439
Isopropyl Alcohol	2.21	3.27	0.676	ok	0.679	0.619-0.739
p-Isopropyltoluene	17.07	10.12	1.687	ok	1.686	1.626-1.746
Methylene chloride	2.43	3.27	0.743	ok	0.742	0.682-0.802
Methyl ethyl ketone	3.00	3.27	0.917	ok	0.919	0.859-0.979
Methyl Isobutyl Ketone	6.17	4.55	1.356	ok	1.360	1.300-1.420
Methyl Tert Butyl Ether	2.86	3.27	0.875	ok	0.877	0.817-0.937
Methylmethacrylate	5.43	4.55	1.193	ok	1.195	1.135-1.255
Naphthalene	18.40	10.12	1.818	ok	1.818	1.758-1.878
Nonane	13.57	10.12	1.341	ok	1.340	1.280-1.400
Octane	9.14	4.55	2.009	ok	2.009	1.949-2.069
Pentane	2.30	3.27	0.703	ok	0.704	0.644-0.764

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	Reporting this level
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
n-Propylbenzene	15.30	10.12	1.512	ok	1.512	1.452-1.572
Propylene	1.67	3.27	0.511	ok	0.511	0.451-0.571
Styrene	12.23	10.12	1.208	ok	1.208	1.148-1.268
1,1,1-Trichloroethane	3.91	3.27	1.196	ok	1.196	1.136-1.256
1,1,1,2-Tetrachloroethane	10.22	10.12	1.010	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	12.46	10.12	1.231	ok	1.231	1.171-1.291
1,1,2-Trichloroethane	6.90	4.55	1.516	ok	1.515	1.455-1.575
1,2,4-Trichlorobenzene	18.35	10.12	1.813	ok	1.813	1.753-1.873
1,2,3-Trichloropropane	12.74	10.12	1.259	ok	1.259	1.199-1.319
1,2,3-Trimethylbenzene	16.99	10.12	1.679	ok	1.679	1.619-1.739
1,2,4-Trimethylbenzene	16.58	10.12	1.638	ok	1.638	1.578-1.698
1,3,5-Trimethylbenzene	16.00	10.12	1.581	ok	1.581	1.521-1.641
2,2,4-Trimethylpentane	5.22	4.55	1.147	ok	1.147	1.087-1.207
Tertiary Butyl Alcohol	2.41	3.27	0.737	ok	0.743	0.683-0.803
Tetrachloroethylene	9.00	4.55	1.978	ok	1.977	1.917-2.037
Tetrahydrofuran	3.55	3.27	1.086	ok	1.091	1.031-1.151
Toluene	7.27	4.55	1.598	ok	1.596	1.536-1.656
Trichloroethylene	5.12	4.55	1.125	ok	1.126	1.066-1.186
Trichlorofluoromethane	2.19	3.27	0.670	ok	0.669	0.609-0.729
Vinyl chloride	1.79	3.27	0.547	ok	0.547	0.487-0.607
Vinyl Acetate	2.90	3.27	0.887	ok	0.888	0.828-0.948
m,p-Xylene	11.51	10.12	1.137	ok	1.137	1.077-1.197
o-Xylene	12.45	10.12	1.230	ok	1.229	1.169-1.289
TVHC As Equiv Pentane	2.30	10.12	0.227	ok	0.227	0.167-0.287

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.27	ok	3.27	2.94-3.60	78951	ok	80511	48307-112715
1,4-Difluorobenzene	4.55	ok	4.55	4.22-4.88	399337	ok	406483	243890-569076
Chlorobenzene-D5	10.12	ok	10.12	9.79-10.45	358279	ok	359712	215827-503597

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	Reporting this level
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.13	3.27	0.651	ok	0.653	0.593-0.713
Acrolein	2.09	3.27	0.639	ok	0.640	0.580-0.700
Acrylonitrile	2.27	3.27	0.694	ok	0.696	0.636-0.756
Acetonitrile	2.05	3.27	0.627	ok	0.627	0.567-0.687
1,3-Butadiene	1.83	3.27	0.560	ok	0.560	0.500-0.620
Benzene	4.23	3.27	1.294	ok	1.293	1.233-1.353
Bromobenzene	13.83	10.13	1.365	ok	1.366	1.306-1.426
Bromodichloromethane	5.07	4.55	1.114	ok	1.114	1.054-1.174
Bromoform	11.33	10.13	1.118	ok	1.118	1.058-1.178
Bromomethane	1.91	3.27	0.584	ok	0.584	0.524-0.644
Bromoethene	2.06	3.27	0.630	ok	0.630	0.570-0.690
n-Butane	1.85	3.27	0.566	ok	0.566	0.506-0.626
Benzyl Chloride	16.68	10.13	1.647	ok	1.647	1.587-1.707
n-Butylbenzene	17.43	10.13	1.721	ok	1.722	1.662-1.782
sec-Butylbenzene	16.88	10.13	1.666	ok	1.667	1.607-1.727
tert-Butylbenzene	16.58	10.13	1.637	ok	1.637	1.577-1.697
Carbon disulfide	2.52	3.27	0.771	ok	0.771	0.711-0.831
Chlorobenzene	10.21	10.13	1.008	ok	1.008	0.948-1.068
Chlorodifluoromethane	1.66	3.27	0.508	ok	0.508	0.448-0.568
Chloroethane	1.96	3.27	0.599	ok	0.599	0.539-0.659
Chlorotrifluoroethene	1.67	3.27	0.511	ok	0.511	0.451-0.571
Chloroform	3.34	3.27	1.021	ok	1.022	0.962-1.082
Chloromethane	1.73	3.27	0.529	ok	0.529	0.469-0.589
3-Chloropropene	2.47	3.27	0.755	ok	0.755	0.695-0.815
2-Chlorotoluene	14.96	10.13	1.477	ok	1.477	1.417-1.537
Carbon tetrachloride	4.34	3.27	1.327	ok	1.326	1.266-1.386
Cyclohexane	4.43	4.55	0.974	ok	0.974	0.914-1.034
1,1-Dichloroethane	2.83	3.27	0.865	ok	0.865	0.805-0.925
1,1-Dichloroethylene	2.39	3.27	0.731	ok	0.731	0.671-0.791
1,2-Dibromoethane (EDB)	8.15	4.55	1.791	ok	1.789	1.729-1.849
1,2-Dichloroethane	3.75	3.27	1.147	ok	1.147	1.087-1.207
1,2-Dichloropropane	4.89	4.55	1.075	ok	1.074	1.014-1.134
1,3-Dichloropropane	7.33	4.55	1.611	ok	1.609	1.549-1.669
1,4-Dioxane	5.14	4.55	1.130	ok	1.137	1.077-1.197
Dichlorodifluoromethane	1.69	3.27	0.517	ok	0.517	0.457-0.577
Dichlorofluoromethane	1.98	3.27	0.606	ok	0.606	0.546-0.666
Dibromochloromethane	7.80	4.55	1.714	ok	1.713	1.653-1.773
Dibromomethane	4.85	4.55	1.066	ok	1.066	1.006-1.126
trans-1,2-Dichloroethylene	2.75	3.27	0.841	ok	0.841	0.781-0.901

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	Reporting this level
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.19	3.27	0.976	ok	0.976	0.916-1.036
cis-1,3-Dichloropropene	6.06	4.55	1.332	ok	1.332	1.272-1.392
m-Dichlorobenzene	16.65	10.13	1.644	ok	1.644	1.584-1.704
o-Dichlorobenzene	17.05	10.13	1.683	ok	1.684	1.624-1.744
p-Dichlorobenzene	16.74	10.13	1.653	ok	1.653	1.593-1.713
trans-1,3-Dichloropropene	6.74	4.55	1.481	ok	1.481	1.421-1.541
Di-Isopropyl ether	3.33	3.27	1.018	ok	1.020	0.960-1.080
2,3-Dimethylpentane	4.69	4.55	1.031	ok	1.030	0.970-1.090
2,4-Dimethylpentane	3.84	3.27	1.174	ok	1.173	1.113-1.233
Ethanol	1.99	3.27	0.609	ok	0.610	0.550-0.670
Ethylbenzene	11.09	10.13	1.095	ok	1.095	1.035-1.155
Ethyl Acetate	3.33	3.27	1.018	ok	1.020	0.960-1.080
Ethyl Acrylate	5.01	4.55	1.101	ok	1.103	1.043-1.163
4-Ethyltoluene	15.75	10.13	1.555	ok	1.555	1.495-1.615
Freon 113	2.52	3.27	0.771	ok	0.771	0.711-0.831
Freon 114	1.76	3.27	0.538	ok	0.538	0.478-0.598
Freon 115	1.61	3.27	0.492	ok	0.494	0.434-0.554
Freon 123	2.10	3.27	0.642	ok	0.643	0.583-0.703
Freon 123A	2.12	3.27	0.648	ok	0.649	0.589-0.709
Freon 142B	1.72	3.27	0.526	ok	0.527	0.467-0.587
Freon 152A	1.65	3.27	0.505	ok	0.504	0.444-0.564
Heptane	5.54	4.55	1.218	ok	1.216	1.156-1.276
Hexachlorobutadiene	18.66	10.13	1.842	ok	1.843	1.783-1.903
Hexachloroethane	17.61	10.13	1.738	ok	1.739	1.679-1.799
Hexane	3.32	3.27	1.015	ok	1.015	0.955-1.075
2-Hexanone	7.85	4.55	1.725	ok	1.729	1.669-1.789
Iodomethane	2.36	3.27	0.722	ok	0.722	0.662-0.782
Isopropylbenzene	13.97	10.13	1.379	ok	1.379	1.319-1.439
Isopropyl Alcohol	2.21	3.27	0.676	ok	0.679	0.619-0.739
p-Isopropyltoluene	17.07	10.13	1.685	ok	1.686	1.626-1.746
Methylene chloride	2.43	3.27	0.743	ok	0.742	0.682-0.802
Methyl ethyl ketone	3.00	3.27	0.917	ok	0.919	0.859-0.979
Methyl Isobutyl Ketone	6.17	4.55	1.356	ok	1.360	1.300-1.420
Methyl Tert Butyl Ether	2.86	3.27	0.875	ok	0.877	0.817-0.937
Methylmethacrylate	5.43	4.55	1.193	ok	1.195	1.135-1.255
Naphthalene	18.40	10.13	1.816	ok	1.818	1.758-1.878
Nonane	13.58	10.13	1.341	ok	1.340	1.280-1.400
Octane	9.15	4.55	2.011	ok	2.009	1.949-2.069
Pentane	2.30	3.27	0.703	ok	0.704	0.644-0.764

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	Reporting this level
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
n-Propylbenzene	15.31	10.13	1.511	ok	1.512	1.452-1.572
Propylene	1.67	3.27	0.511	ok	0.511	0.451-0.571
Styrene	12.24	10.13	1.208	ok	1.208	1.148-1.268
1,1,1-Trichloroethane	3.92	3.27	1.199	ok	1.196	1.136-1.256
1,1,1,2-Tetrachloroethane	10.22	10.13	1.009	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	12.47	10.13	1.231	ok	1.231	1.171-1.291
1,1,2-Trichloroethane	6.90	4.55	1.516	ok	1.515	1.455-1.575
1,2,4-Trichlorobenzene	18.35	10.13	1.811	ok	1.813	1.753-1.873
1,2,3-Trichloropropane	12.75	10.13	1.259	ok	1.259	1.199-1.319
1,2,3-Trimethylbenzene	17.00	10.13	1.678	ok	1.679	1.619-1.739
1,2,4-Trimethylbenzene	16.59	10.13	1.638	ok	1.638	1.578-1.698
1,3,5-Trimethylbenzene	16.01	10.13	1.580	ok	1.581	1.521-1.641
2,2,4-Trimethylpentane	5.22	4.55	1.147	ok	1.147	1.087-1.207
Tertiary Butyl Alcohol	2.41	3.27	0.737	ok	0.743	0.683-0.803
Tetrachloroethylene	9.00	4.55	1.978	ok	1.977	1.917-2.037
Tetrahydrofuran	3.55	3.27	1.086	ok	1.091	1.031-1.151
Toluene	7.27	4.55	1.598	ok	1.596	1.536-1.656
Trichloroethylene	5.13	4.55	1.127	ok	1.126	1.066-1.186
Trichlorofluoromethane	2.19	3.27	0.670	ok	0.669	0.609-0.729
Vinyl chloride	1.79	3.27	0.547	ok	0.547	0.487-0.607
Vinyl Acetate	2.90	3.27	0.887	ok	0.888	0.828-0.948
m,p-Xylene	11.52	10.13	1.137	ok	1.137	1.077-1.197
o-Xylene	12.45	10.13	1.229	ok	1.229	1.169-1.289
TVHC As Equiv Pentane	2.30	10.13	0.227	ok	0.227	0.167-0.287

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.27	ok	3.27	2.94-3.60	77284	ok	80511	48307-112715
1,4-Difluorobenzene	4.55	ok	4.55	4.22-4.88	380992	ok	406483	243890-569076
Chlorobenzene-D5	10.13	ok	10.12	9.79-10.45	341287	ok	359712	215827-503597

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.13	3.27	0.651	ok	0.653	0.593-0.713
Acrolein	2.09	3.27	0.639	ok	0.640	0.580-0.700
Acrylonitrile	2.27	3.27	0.694	ok	0.696	0.636-0.756
Acetonitrile	2.05	3.27	0.627	ok	0.627	0.567-0.687
1,3-Butadiene	1.83	3.27	0.560	ok	0.560	0.500-0.620
Benzene	4.23	3.27	1.294	ok	1.293	1.233-1.353
Bromobenzene	13.84	10.13	1.366	ok	1.366	1.306-1.426
Bromodichloromethane	5.07	4.55	1.114	ok	1.114	1.054-1.174
Bromoform	11.33	10.13	1.118	ok	1.118	1.058-1.178
Bromomethane	1.91	3.27	0.584	ok	0.584	0.524-0.644
Bromoethene	2.06	3.27	0.630	ok	0.630	0.570-0.690
n-Butane	1.85	3.27	0.566	ok	0.566	0.506-0.626
Benzyl Chloride	16.68	10.13	1.647	ok	1.647	1.587-1.707
n-Butylbenzene	17.43	10.13	1.721	ok	1.722	1.662-1.782
sec-Butylbenzene	16.88	10.13	1.666	ok	1.667	1.607-1.727
tert-Butylbenzene	16.58	10.13	1.637	ok	1.637	1.577-1.697
Carbon disulfide	2.52	3.27	0.771	ok	0.771	0.711-0.831
Chlorobenzene	10.21	10.13	1.008	ok	1.008	0.948-1.068
Chlorodifluoromethane	1.66	3.27	0.508	ok	0.508	0.448-0.568
Chloroethane	1.96	3.27	0.599	ok	0.599	0.539-0.659
Chlorotrifluoroethene	1.67	3.27	0.511	ok	0.511	0.451-0.571
Chloroform	3.35	3.27	1.024	ok	1.022	0.962-1.082
Chloromethane	1.73	3.27	0.529	ok	0.529	0.469-0.589
3-Chloropropene	2.47	3.27	0.755	ok	0.755	0.695-0.815
2-Chlorotoluene	14.97	10.13	1.478	ok	1.477	1.417-1.537
Carbon tetrachloride	4.34	3.27	1.327	ok	1.326	1.266-1.386
Cyclohexane	4.43	4.55	0.974	ok	0.974	0.914-1.034
1,1-Dichloroethane	2.83	3.27	0.865	ok	0.865	0.805-0.925
1,1-Dichloroethylene	2.39	3.27	0.731	ok	0.731	0.671-0.791
1,2-Dibromoethane (EDB)	8.15	4.55	1.791	ok	1.789	1.729-1.849
1,2-Dichloroethane	3.75	3.27	1.147	ok	1.147	1.087-1.207
1,2-Dichloropropane	4.89	4.55	1.075	ok	1.074	1.014-1.134
1,3-Dichloropropane	7.33	4.55	1.611	ok	1.609	1.549-1.669
1,4-Dioxane	5.14	4.55	1.130	ok	1.137	1.077-1.197
Dichlorodifluoromethane	1.69	3.27	0.517	ok	0.517	0.457-0.577
Dichlorofluoromethane	1.98	3.27	0.606	ok	0.606	0.546-0.666
Dibromochloromethane	7.80	4.55	1.714	ok	1.713	1.653-1.773
Dibromomethane	4.86	4.55	1.068	ok	1.066	1.006-1.126
trans-1,2-Dichloroethylene	2.75	3.27	0.841	ok	0.841	0.781-0.901

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.19	3.27	0.976	ok	0.976	0.916-1.036
cis-1,3-Dichloropropene	6.06	4.55	1.332	ok	1.332	1.272-1.392
m-Dichlorobenzene	16.65	10.13	1.644	ok	1.644	1.584-1.704
o-Dichlorobenzene	17.05	10.13	1.683	ok	1.684	1.624-1.744
p-Dichlorobenzene	16.74	10.13	1.653	ok	1.653	1.593-1.713
trans-1,3-Dichloropropene	6.74	4.55	1.481	ok	1.481	1.421-1.541
Di-Isopropyl ether	3.33	3.27	1.018	ok	1.020	0.960-1.080
2,3-Dimethylpentane	4.69	4.55	1.031	ok	1.030	0.970-1.090
2,4-Dimethylpentane	3.84	3.27	1.174	ok	1.173	1.113-1.233
Ethanol	1.99	3.27	0.609	ok	0.610	0.550-0.670
Ethylbenzene	11.09	10.13	1.095	ok	1.095	1.035-1.155
Ethyl Acetate	3.33	3.27	1.018	ok	1.020	0.960-1.080
Ethyl Acrylate	5.01	4.55	1.101	ok	1.103	1.043-1.163
4-Ethyltoluene	15.76	10.13	1.556	ok	1.555	1.495-1.615
Freon 113	2.52	3.27	0.771	ok	0.771	0.711-0.831
Freon 114	1.76	3.27	0.538	ok	0.538	0.478-0.598
Freon 115	1.61	3.27	0.492	ok	0.494	0.434-0.554
Freon 123	2.10	3.27	0.642	ok	0.643	0.583-0.703
Freon 123A	2.12	3.27	0.648	ok	0.649	0.589-0.709
Freon 142B	1.72	3.27	0.526	ok	0.527	0.467-0.587
Freon 152A	1.65	3.27	0.505	ok	0.504	0.444-0.564
Heptane	5.54	4.55	1.218	ok	1.216	1.156-1.276
Hexachlorobutadiene	18.66	10.13	1.842	ok	1.843	1.783-1.903
Hexachloroethane	17.61	10.13	1.738	ok	1.739	1.679-1.799
Hexane	3.32	3.27	1.015	ok	1.015	0.955-1.075
2-Hexanone	7.85	4.55	1.725	ok	1.729	1.669-1.789
Iodomethane	2.36	3.27	0.722	ok	0.722	0.662-0.782
Isopropylbenzene	13.97	10.13	1.379	ok	1.379	1.319-1.439
Isopropyl Alcohol	2.21	3.27	0.676	ok	0.679	0.619-0.739
p-Isopropyltoluene	17.07	10.13	1.685	ok	1.686	1.626-1.746
Methylene chloride	2.43	3.27	0.743	ok	0.742	0.682-0.802
Methyl ethyl ketone	3.00	3.27	0.917	ok	0.919	0.859-0.979
Methyl Isobutyl Ketone	6.17	4.55	1.356	ok	1.360	1.300-1.420
Methyl Tert Butyl Ether	2.86	3.27	0.875	ok	0.877	0.817-0.937
Methylmethacrylate	5.43	4.55	1.193	ok	1.195	1.135-1.255
Naphthalene	18.40	10.13	1.816	ok	1.818	1.758-1.878
Nonane	13.58	10.13	1.341	ok	1.340	1.280-1.400
Octane	9.15	4.55	2.011	ok	2.009	1.949-2.069
Pentane	2.30	3.27	0.703	ok	0.704	0.644-0.764

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
n-Propylbenzene	15.31	10.13	1.511	ok	1.512	1.452-1.572
Propylene	1.67	3.27	0.511	ok	0.511	0.451-0.571
Styrene	12.24	10.13	1.208	ok	1.208	1.148-1.268
1,1,1-Trichloroethane	3.92	3.27	1.199	ok	1.196	1.136-1.256
1,1,1,2-Tetrachloroethane	10.22	10.13	1.009	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	12.47	10.13	1.231	ok	1.231	1.171-1.291
1,1,2-Trichloroethane	6.90	4.55	1.516	ok	1.515	1.455-1.575
1,2,4-Trichlorobenzene	18.35	10.13	1.811	ok	1.813	1.753-1.873
1,2,3-Trichloropropane	12.75	10.13	1.259	ok	1.259	1.199-1.319
1,2,3-Trimethylbenzene	17.00	10.13	1.678	ok	1.679	1.619-1.739
1,2,4-Trimethylbenzene	16.59	10.13	1.638	ok	1.638	1.578-1.698
1,3,5-Trimethylbenzene	16.01	10.13	1.580	ok	1.581	1.521-1.641
2,2,4-Trimethylpentane	5.22	4.55	1.147	ok	1.147	1.087-1.207
Tertiary Butyl Alcohol	2.41	3.27	0.737	ok	0.743	0.683-0.803
Tetrachloroethylene	9.00	4.55	1.978	ok	1.977	1.917-2.037
Tetrahydrofuran	3.55	3.27	1.086	ok	1.091	1.031-1.151
Toluene	7.27	4.55	1.598	ok	1.596	1.536-1.656
Trichloroethylene	5.13	4.55	1.127	ok	1.126	1.066-1.186
Trichlorofluoromethane	2.19	3.27	0.670	ok	0.669	0.609-0.729
Vinyl chloride	1.79	3.27	0.547	ok	0.547	0.487-0.607
Vinyl Acetate	2.90	3.27	0.887	ok	0.888	0.828-0.948
m,p-Xylene	11.52	10.13	1.137	ok	1.137	1.077-1.197
o-Xylene	12.46	10.13	1.230	ok	1.229	1.169-1.289
TVHC As Equiv Pentane	2.30	10.13	0.227	ok	0.227	0.167-0.287

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.27	ok	3.27	2.94-3.60	78494	ok	80511	48307-112715
1,4-Difluorobenzene	4.55	ok	4.55	4.22-4.88	389657	ok	406483	243890-569076
Chlorobenzene-D5	10.13	ok	10.12	9.79-10.45	345790	ok	359712	215827-503597

Surrogate Recovery Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Method: TO-15 **Matrix:** AIR

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1
JE2487-1	5W55768.D	124
JE2487-1	5W55827.D	111
JE2487-2	5W55673.D	110
JE2487-2	5W55724.D	110
JE2487-3	5W55769.D	110
JE2487-4	5W55674.D	113
JE2487-4	5W55725.D	110
JE2487-5	5W55770.D	120
JE2487-5	5W55828.D	109
JE2487-6	5W55676.D	111
JE2487-6	5W55771.D	111
JE2315-1DUP	5W55826.D	109
JE2487-4DUP	5W55675.D	114
JE2488-2DUP	5W55717.D	106
JE2666-1DUP	5W55764.D	117
V3W3503-SCC	3W88797.D	93
V5W2132-BS	5W55665.D	98
V5W2132-BSD	5W55666.D	100
V5W2132-MB	5W55670.D	113
V5W2133-BS	5W55701.D	100
V5W2133-BSD	5W55703.D	99
V5W2133-MB	5W55706.D	110
V5W2135-BS	5W55753.D	99
V5W2135-BSD	5W55754.D	97
V5W2135-MB	5W55756.D	109
V5W2138-BS	5W55820.D	101
V5W2138-BSD	5W55821.D	100
V5W2138-MB	5W55823.D	109
V7W379-SCC	7W10315.D	93
V7W387-SCC	7W10605.D	85
V7W392-SCC	7W10777.D	100
V3W3503-BS	3W88780.D	95
V3W3503-BSD	3W88781.D	94
V3W3503-MB	3W88783.D	96
V7W379-BS	7W10300.D	96
V7W379-BSD	7W10301.D	96
V7W379-MB	7W10303.D	94
V7W387-BS	7W10577.D	93
V7W387-BSD	7W10578.D	94
V7W387-MB	7W10580.D	88

Surrogate Recovery Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Method: TO-15 **Matrix:** AIR

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1
V7W392-BS	7W10744.D	98
V7W392-BSD	7W10745.D	99
V7W392-MB	7W10747.D	94

Surrogate Compounds	Recovery Limits
S1 = 4-Bromofluorobenzene	65-128%

Initial Calibration Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample: V3W3499-ICC3499
Lab FileID: 3W88662.D

Response Factor Report GCMS-3W

Method : C:\msdchem\1\METHODS\M3W3499.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Sep 11 11:57:05 2024
Response via : Initial Calibration

Calibration Files
0.04=3w88655.D 0.1 =3w88656.D 0.2 =3w88657.D 0.5 =3w88659.D
5 =3w88661.D 10 =3w88662.D 20 =3w88663.D 40 =3w88664.D
50 =3w88665.D =

Compound	0.04	0.1	0.2	0.5	5	10	20	40	50	Avg	%RSD
1) I BROMOCHLOROMETHANE	----------ISTD----------										
2) FREON 115	1.733	1.560	1.596	1.709	1.754	1.763	1.849	1.633		1.700	5.68
3) FREON 152A	0.736	0.814	0.830	0.856	0.840	0.876	0.921	0.946		0.852	7.64
4) CHLORODIFLUOROMETHANE	0.424	0.509	0.534	0.537	0.536	0.560	0.567			0.524	9.15
5) CHLOROTRIFLUOROETHENE	1.552	1.649	1.599	1.682	1.698	1.706	1.767	1.835		1.686	5.32
6) DICHLORODIFLUOROMETHANE	4.794	4.652	4.466	4.950	5.096	5.086	5.267	5.380		4.961	6.24
7) PROPYLENE	1.563	1.676	1.572	1.534	1.600	1.580	1.628	1.591		1.593	2.73
8) 1-CHLORO-1,1-DIFLUOROETHANE	4.211	4.451	4.532	4.360	4.413	4.418	4.535	4.583		4.438	2.66
9) FREON 114	2.849	3.107	3.012	3.223	3.282	3.320	3.504	3.629		3.241	7.84
10) CHLOROMETHANE	0.334	0.591	0.507	0.502	0.484	0.501	0.514	0.524		0.495	14.61
11) VINYL CHLORIDE	1.217	1.412	1.282	1.300	1.291	1.326	1.418	1.487		1.342	6.65
12) 1,3-BUTADIENE	1.167	1.169	0.981	1.018	1.000	1.012	1.097	1.130		1.072	7.26
13) n-BUTANE	2.911	2.812	2.193	2.039	2.012	1.987	2.077	2.102		2.267	16.47
14) BROMOMETHANE	1.496	1.281	1.244	1.080	1.042	1.039	1.099	1.173		1.182	13.18
15) CHLOROETHANE	0.425	0.655	0.544	0.547	0.559	0.569	0.592	0.630		0.565	12.23
16) DICHLOROFLUOROMETHANE	3.350	3.058	3.099	2.963	2.983	2.987	3.107	3.246		3.099	4.41
17) ACETONITRILE	1.751	1.331	1.169	1.100	1.072	1.079	1.107			1.230	20.07
18) ACROLEIN	0.647	0.756	0.604	0.533	0.542	0.538	0.560	0.580		0.595	12.69
19) FREON 123	2.952	2.917	2.665	2.741	2.685	2.683	2.797	2.945		2.798	4.41
20) FREON 123A	1.452	1.563	1.554	1.609	1.593	1.592	1.652	1.737		1.594	5.13
21) TRICHLOROFLUOROMETHANE	4.544	4.681	4.825	4.754	4.601	4.597	4.696	4.777		4.684	2.10
22) ISOPROPYL ALCOHOL	6.537	4.837	3.865	3.029	2.972	3.008	3.012			3.894	34.83
23) ACETONE											

```
                1.109 0.946 0.670 0.607 0.611 0.635 0.654         0.748   26.51
24)  PENTANE
                2.250 1.869 1.660 1.332 1.305 1.313 1.310         1.577   23.43
25)  IODOMETHANE
          2.781 3.029 3.102 2.982 2.989 3.000 3.093 3.217         3.024    4.16
26)  1,1-DICHLOROETHYLENE
          1.158 1.097 1.036 1.007 1.021 1.028 1.068 1.107         1.066    4.89
27)  CARBON DISULFIDE
          3.343 3.819 3.661 3.411 3.509 3.505 3.651 3.719         3.577    4.52
28)  ETHANOL
                            1.374 0.723 0.710 0.745 0.754         0.861   33.35
29)  BROMOETHENE
          0.940 1.055 1.099 0.949 1.025 1.031 1.089 1.160         1.043    7.15
30)  ACRYLONITRILE
          1.437 1.287 1.248 1.070 0.898 0.890 0.911 0.925         1.083   19.73
31)  METHYLENE CHLORIDE
                1.697 1.445 1.085 0.910 0.922 0.941 0.975         1.139   27.16
32)  3-CHLOROPROPENE
          0.372 0.520 0.558 0.537 0.523 0.518 0.536 0.559         0.515   11.67
33)  FREON 113
          2.167 2.168 2.154 2.149 2.118 2.089 2.196 2.259         2.162    2.35
34)  TRANS-1,2-DICHLOROETHYLENE
          1.199 1.373 1.255 1.336 1.319 1.323 1.331 1.317         1.306    4.16
35)  TERTIARY BUTYL ALCOHOL
          3.343 3.667 3.596 3.501 3.501 3.405 3.498 3.557         3.508    2.92
36)  METHYL TERTIARY BUTYL ETHER
          4.895 4.280 4.459 4.244 4.406 4.424 4.459 4.380         4.443    4.48
37)  TETRAHYDROFURAN
          0.484 0.582 0.568 0.562 0.635 0.631 0.643 0.632         0.592    9.18
38)  HEXANE
                3.809 3.133 2.792 2.839 2.741 2.649 2.512         2.925   14.85
39)  VINYL ACETATE
          0.089 0.261 0.289 0.282 0.265 0.285 0.289 0.289         0.256   26.76
40)  1,1-DICHLOROETHANE
          2.894 3.404 3.092 3.152 3.089 3.037 3.021 2.991         3.085    4.87
41)  METHYL ETHYL KETONE
          0.410 0.547 0.624 0.636 0.671 0.654 0.655 0.641         0.605   14.46
42)  cis-1,2-DICHLOROETHYLENE
          1.108 1.356 1.378 1.315 1.365 1.366 1.360 1.351         1.325    6.76
43)  DIISOPROPYL ETHER
          0.905 0.770 0.798 0.752 0.789 0.742 0.727 0.699         0.773    8.06
44)  ETHYL ACETATE
          0.129 0.522 0.522 0.478 0.545 0.515 0.486 0.474         0.459   29.53
45)  METHYL ACRYLATE
          3.688 3.396 3.381 3.379 3.487 3.534 3.410 3.251         3.441    3.78
46)  CHLOROFORM
          3.500 3.563 3.563 3.449 3.416 3.400 3.333 3.304         3.441    2.82
47)  2,4-DIMETHYLPENTANE
          2.694 3.135 3.058 3.126 3.317 3.266 3.177 3.045         3.102    6.12
48)  1,1,1-TRICHLOROETHANE
          3.811 3.901 3.940 3.870 3.905 3.922 3.984 3.990         3.915    1.50
49)  CARBON TETRACHLORIDE
          3.813 4.049 4.024 3.989 4.202 4.247 4.358 4.345         4.128    4.62
50)  1,2-DICHLOROETHANE
          3.255 2.908 2.965 3.024 3.112 3.083 3.131 3.130         3.076    3.54

51) I   1,4-DIFLUOROBENZENE   ----------------ISTD----------------------
52)  BENZENE
          0.813 0.828 0.787 0.797 0.818 0.782 0.755 0.749         0.791    3.62
53)  CYCLOHEXANE
```

Initial Calibration Summary

Job Number: JE2487 **Sample:** V3W3499-ICC3499
Account: GESNYP Groundwater & Environmental Services **Lab FileID:** 3W88662.D
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

	0.273	0.305	0.321	0.337	0.348	0.342	0.330	0.328	0.323	7.42
54)	2,3-DIMETHYLPENTANE									
	0.143	0.179	0.173	0.173	0.183	0.176	0.170	0.167	0.170	7.17
55)	TRICHLOROETHYLENE									
	0.350	0.383	0.415	0.418	0.419	0.409	0.403	0.402	0.400	5.81
56)	1,2-DICHLOROPROPANE									
	0.402	0.362	0.387	0.376	0.377	0.355	0.338	0.328	0.366	6.85
57)	DIBROMOMETHANE									
	0.473	0.405	0.419	0.408	0.394	0.382	0.382	0.381	0.406	7.57
58)	ETHYL ACRYLATE									
	0.793	0.831	0.830	0.870	0.938	0.901	0.877	0.848	0.861	5.29
59)	BROMODICHLOROMETHANE									
	0.797	0.796	0.835	0.824	0.824	0.810	0.808	0.801	0.812	1.76
60)	2,2,4-TRIMETHYLPENTANE									
	1.790	1.701	1.721	1.756	1.763	1.754	1.701	1.622	1.726	3.03
61)	1,4-DIOXANE									
	0.144	0.201	0.183	0.193	0.195	0.190	0.186	0.187	0.185	9.45
62)	HEPTANE									
	0.705	0.724	0.790	0.785	0.789	0.746	0.728	0.708	0.747	4.85
63)	METHYL METHACRYLATE									
	0.267	0.294	0.293	0.306	0.317	0.308	0.299	0.306	0.299	5.01
64)	METHYL ISOBUTYL KETONE									
	0.293	0.280	0.311	0.326	0.342	0.335	0.332	0.340	0.320	7.21
65)	cis-1,3-DICHLOROPROPENE									
	0.523	0.509	0.538	0.561	0.589	0.582	0.582	0.597	0.560	5.87
66)	TOLUENE									
	0.665	0.540	0.570	0.562	0.583	0.568	0.568	0.591	0.581	6.41
67)	1,3-DICHLOROPROPANE									
	0.555	0.514	0.543	0.532	0.516	0.509	0.512	0.530	0.526	3.15
68)	trans-1,3-DICHLOROPROPENE									
	0.508	0.540	0.556	0.534	0.598	0.597	0.603	0.626	0.570	7.26
69)	1,1,2-TRICHLOROETHANE									
	0.331	0.296	0.332	0.313	0.313	0.306	0.302	0.306	0.312	4.17
70)	I CHLOROBENZENE-D5	----------ISTD----------								
71)	2-HEXANONE									
	0.548	0.751	0.758	0.831	0.854	0.796	0.719	0.607	0.733	14.54
72)	ETHYL METHACRYLATE									
	0.732	0.778	0.815	0.851	0.926	0.854	0.773	0.674	0.800	9.84
73)	TETRACHLOROETHYLENE									
	0.874	0.816	0.804	0.820	0.768	0.721	0.673	0.598	0.759	11.88
74)	DIBROMOCHLOROMETHANE									
	1.169	1.213	1.227	1.263	1.284	1.227	1.115	0.986	1.186	8.13
75)	1,2-DIBROMOETHANE									
	0.993	1.006	1.044	0.977	0.983	0.931	0.851	0.745	0.941	10.41
76)	OCTANE									
	1.849	1.769	1.744	1.887	1.884	1.746	1.568	1.273	1.715	12.02
77)	1,1,1,2-TETRACHLOROETHANE									
	0.794	0.888	0.888	0.884	0.855	0.813	0.763	0.669	0.819	9.36
78)	CHLOROBENZENE									
	1.443	1.479	1.464	1.416	1.394	1.336	1.234	1.074	1.355	10.23
79)	ETHYLBENZENE									
	2.528	2.456	2.420	2.408	2.397	2.284	2.098	1.845	2.304	9.84
80)	m,p-XYLENE									
	0.895	0.901	0.855	0.900	0.891	0.844	0.780	0.678	0.843	9.30
81)	o-XYLENE									
	0.748	0.844	0.856	0.874	0.867	0.827	0.762	0.651	0.804	9.65
82)	STYRENE									
	1.260	1.243	1.235	1.268	1.404	1.346	1.246	1.081	1.260	7.43
83)	NONANE									

Initial Calibration Summary

Job Number: JE2487 **Sample:** V3W3499-ICC3499
Account: GESNYP Groundwater & Environmental Services **Lab FileID:** 3W88662.D
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

```
           1.824 1.820 1.955 2.043 2.120 1.954 1.730 1.363         1.851   12.67
 84)  BROMOFORM
           1.225 1.220 1.159 1.217 1.421 1.383 1.304 1.163         1.261    7.79
 85)  4-BROMOFLUOROBENZENE
           1.212 1.244 1.262 1.247 1.324 1.223 1.208 1.011         1.216    7.45
 86)  1,1,2,2-TETRACHLOROETHANE
           1.513 1.542 1.444 1.466 1.389 1.314 1.205 1.014         1.361   13.06
 87)  1,2,3-TRICHLOROPROPANE
           1.245 1.234 1.245 1.301 1.276 1.198 1.106 0.943         1.194    9.79
 88)  ISOPROPYLBENZENE
           2.648 2.720 2.699 2.835 2.900 2.788 2.570 2.186         2.668    8.28
 89)  BROMOBENZENE
           1.533 1.658 1.572 1.606 1.542 1.503 1.377 1.201         1.499    9.72
 90)  2-CHLOROTOLUENE
           0.500 0.654 0.614 0.650 0.686 0.656 0.609 0.524         0.612   10.88
 91)  n-PROPYLBENZENE
           0.620 0.673 0.683 0.729 0.766 0.729 0.669 0.578         0.681    8.98
 92)  4-ETHYLTOLUENE
           1.942 2.467 2.601 2.684 2.913 2.770 2.566 2.212         2.519   12.41
 93)  1,3,5-TRIMETHYLBENZENE
           1.942 2.137 2.192 2.353 2.475 2.401 2.198 1.909         2.201    9.32
 94)  ALPHA-METHYLSTYRENE
           0.992 1.005 1.061 1.073 1.213 1.165 1.076 0.937         1.065    8.51
 95)  tert-BUTYLBENZENE
           0.407 0.367 0.456 0.495 0.513 0.477 0.438 0.375         0.441   12.34
 96)  1,2,4-TRIMETHYLBENZENE
           2.111 2.137 2.251 2.435 2.521 2.434 2.240 1.952         2.260    8.55
 97)  m-DICHLOROBENZENE
           1.716 1.751 1.712 1.790 1.795 1.719 1.576 1.343         1.675    8.98
 98)  BENZYL CHLORIDE
           2.219 2.121 2.178 2.336 2.610 2.545 2.381 2.067         2.307    8.53
 99)  p-DICHLOROBENZENE
           1.792 1.759 1.699 1.748 1.755 1.687 1.563 1.340         1.668    9.00
100)  sec-BUTYLBENZENE
           0.531 0.589 0.559 0.650 0.676 0.650 0.595 0.508         0.595   10.16
101)  1,2,3-Trimethylbenzene
           2.143 2.188 2.349 2.575 2.685 2.605 2.405 2.087         2.380    9.56
102)  p-ISOPROPYLTOLUENE
           0.572 0.646 0.653 0.700 0.777 0.741 0.676 0.572         0.667   10.96
103)  o-DICHLOROBENZENE
           1.746 1.711 1.624 1.690 1.729 1.658 1.523 1.312         1.624    8.91
104)  n-BUTYLBENZENE
           0.545 0.606 0.634 0.723 0.772 0.736 0.678 0.585         0.660   12.16
105)  HEXACHLOROETHANE
           0.950 0.946 0.974 1.067 1.183 1.125 1.045 0.904         1.024    9.48
106)  HEXACHLOROBUTADIENE
           1.972 1.921 1.901 1.979 2.154 2.102 2.002 1.808         1.980    5.57
107)  1,2,4-TRICHLOROBENZENE
           1.716 1.890 1.865 1.916 2.164 2.064 1.924 1.685         1.903    8.40
108)  NAPHTHALENE
           2.752 2.947 2.949 3.287 3.740 3.579 3.310 2.907         3.184   11.05

109) I   BROMOCHLOROMETHANE (A ----------------ISTD----------------------
110)  TVHC as equiv Pentane
           1.250 1.169 1.190 1.066 0.977 0.938 0.964 0.942         1.062 E1   11.79
 ---------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          M3W3499.M         Wed Sep 11 11:59:37 2024
```

Initial Calibration Verification

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample: V3W3499-ICV3499
Lab FileID: 3W88669.D

Evaluate Continuing Calibration Report

Data Path : C:\msdchem\1\DATA\
Data File : 3w88669.D
Acq On : 9 Sep 2024 1:02 pm
Operator : benk
Sample : icv3499-10
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 11 12:34:16 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Wed Sep 11 11:57:05 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 140%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	BROMOCHLOROMETHANE	1.000	1.000	0.0	93	0.00
2	FREON 115	1.700	1.628	4.2	86	0.00
3	FREON 152A	0.852	0.801	6.0	85	0.00
4	CHLORODIFLUOROMETHANE	0.524	0.540	-3.1	94	0.00
5	CHLOROTRIFLUOROETHENE	1.686	1.559	7.5	85	0.00
6	DICHLORODIFLUOROMETHANE	4.961	4.897	1.3	90	0.00
7	PROPYLENE	1.593	1.528	4.1	90	0.00
8	1-CHLORO-1,1-DIFLUOROETHANE	4.438	4.413	0.6	93	0.00
9	FREON 114	3.241	3.272	-1.0	92	0.00
10	CHLOROMETHANE	0.495	0.474	4.2	88	0.00
11	VINYL CHLORIDE	1.342	1.294	3.6	91	0.00
12	1,3-BUTADIENE	1.072	1.040	3.0	96	0.00
13	n-BUTANE	2.267	2.062	9.0	97	0.00
14	BROMOMETHANE	1.182	1.043	11.8	94	0.00
15	CHLOROETHANE	0.565	0.560	0.9	92	0.00
16	DICHLOROFLUOROMETHANE	3.099	3.130	-1.0	98	0.00
17	ACETONITRILE	1.230	1.168	5.0	102	0.00
18	ACROLEIN	0.595	0.581	2.4	101	0.00
19	FREON 123	2.798	2.725	2.6	95	0.00
20	FREON 123A	1.594	1.506	5.5	88	0.00
21	TRICHLOROFLUOROMETHANE	4.684	4.889	-4.4	99	0.00
22	ISOPROPYL ALCOHOL	3.894	3.243	16.7	102	0.00
23	ACETONE	0.748	0.637	14.8	97	0.00
24	PENTANE	1.577	1.359	13.8	97	0.00
25	IODOMETHANE	3.024	3.134	-3.6	97	0.00
26	1,1-DICHLOROETHYLENE	1.066	1.068	-0.2	97	0.00
27	CARBON DISULFIDE	3.577	3.983	-11.4	106	0.00
28	ETHANOL	0.861	0.678	21.3	89	0.00
29	BROMOETHENE	1.043	1.065	-2.1	96	0.00
30	ACRYLONITRILE	1.083	0.947	12.6	99	0.00
31	METHYLENE CHLORIDE	1.139	0.979	14.0	99	0.00
32	3-CHLOROPROPENE	0.515	0.533	-3.5	96	0.00
33	FREON 113	2.162	2.305	-6.6	103	0.00
34	TRANS-1,2-DICHLOROETHYLENE	1.306	1.371	-5.0	97	0.00
35	TERTIARY BUTYL ALCOHOL	3.508	3.958	-12.8	108	0.00
36	METHYL TERTIARY BUTYL ETHER	4.443	4.543	-2.3	96	0.00
37	TETRAHYDROFURAN	0.592	0.656	-10.8	97	0.00
38	HEXANE	2.925	2.723	6.9	93	0.00

Initial Calibration Verification

Job Number: JE2487 **Sample:** V3W3499-ICV3499
Account: GESNYP Groundwater & Environmental Services **Lab FileID:** 3W88669.D
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

39		VINYL ACETATE	0.256	0.293	-14.5	96	0.00
40		1,1-DICHLOROETHANE	3.085	3.091	-0.2	95	0.00
41		METHYL ETHYL KETONE	0.605	0.655	-8.3	93	0.00
42		cis-1,2-DICHLOROETHYLENE	1.325	1.387	-4.7	95	0.00
43		DIISOPROPYL ETHER	0.773	0.757	2.1	95	0.00
44		ETHYL ACETATE	0.459	0.510	-11.1	92	0.00
45		METHYL ACRYLATE	3.441	3.601	-4.6	95	0.00
46		CHLOROFORM	3.441	3.620	-5.2	99	0.00
47		2,4-DIMETHYLPENTANE	3.102	3.300	-6.4	94	0.00
48		1,1,1-TRICHLOROETHANE	3.915	4.131	-5.5	98	0.00
49		CARBON TETRACHLORIDE	4.128	4.456	-7.9	98	0.00
50		1,2-DICHLOROETHANE	3.076	3.243	-5.4	98	0.00
51	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	94	0.00
52		BENZENE	0.791	0.788	0.4	95	0.00
53		CYCLOHEXANE	0.323	0.342	-5.9	94	0.00
54		2,3-DIMETHYLPENTANE	0.170	0.175	-2.9	93	0.00
55		TRICHLOROETHYLENE	0.400	0.405	-1.3	93	0.00
56		1,2-DICHLOROPROPANE	0.366	0.363	0.8	96	0.00
57		DIBROMOMETHANE	0.406	0.397	2.2	97	0.00
58		ETHYL ACRYLATE	0.861	0.931	-8.1	97	0.00
59		BROMODICHLOROMETHANE	0.812	0.836	-3.0	97	0.00
60		2,2,4-TRIMETHYLPENTANE	1.726	1.759	-1.9	94	0.00
61		1,4-DIOXANE	0.185	0.184	0.5	91	0.00
62		HEPTANE	0.747	0.755	-1.1	95	0.00
63		METHYL METHACRYLATE	0.299	0.305	-2.0	93	0.00
64		METHYL ISOBUTYL KETONE	0.320	0.329	-2.8	92	0.00
65		cis-1,3-DICHLOROPROPENE	0.560	0.552	1.4	89	0.00
66		TOLUENE	0.581	0.572	1.5	94	0.00
67		1,3-DICHLOROPROPANE	0.526	0.514	2.3	95	0.00
68		trans-1,3-DICHLOROPROPENE	0.570	0.605	-6.1	95	0.00
69		1,1,2-TRICHLOROETHANE	0.312	0.307	1.6	94	0.00
70	I	CHLOROBENZENE-D5	1.000	1.000	0.0	94	0.00
71		2-HEXANONE	0.733	0.776	-5.9	92	0.00
72		ETHYL METHACRYLATE	0.800	0.873	-9.1	97	0.00
73		TETRACHLOROETHYLENE	0.759	0.738	2.8	97	0.00
74		DIBROMOCHLOROMETHANE	1.186	1.228	-3.5	94	0.00
75		1,2-DIBROMOETHANE	0.941	0.929	1.3	94	0.00
76		OCTANE	1.715	1.741	-1.5	94	0.00
77		1,1,1,2-TETRACHLOROETHANE	0.819	0.829	-1.2	96	0.00
78		CHLOROBENZENE	1.355	1.318	2.7	93	0.00
79		ETHYLBENZENE	2.304	2.295	0.4	95	0.00
80		m,p-XYLENE	0.843	0.842	0.1	94	0.00
81		o-XYLENE	0.804	0.816	-1.5	93	0.00
82		STYRENE	1.260	1.313	-4.2	92	0.00
83		NONANE	1.851	1.937	-4.6	94	0.00
84		BROMOFORM	1.261	1.358	-7.7	93	0.00
85	S	4-BROMOFLUOROBENZENE	1.216	1.246	-2.5	96	0.00
86		1,1,2,2-TETRACHLOROETHANE	1.361	1.310	3.7	94	0.00
87		1,2,3-TRICHLOROPROPANE	1.194	1.202	-0.7	95	0.00
88		ISOPROPYLBENZENE	2.668	2.767	-3.7	94	0.00
89		BROMOBENZENE	1.499	1.491	0.5	94	0.00
90		2-CHLOROTOLUENE	0.612	0.660	-7.8	95	0.00
91		n-PROPYLBENZENE	0.681	0.724	-6.3	94	0.00
92		4-ETHYLTOLUENE	2.519	2.757	-9.4	94	0.00
93		1,3,5-TRIMETHYLBENZENE	2.201	2.363	-7.4	93	0.00
94		ALPHA-METHYLSTYRENE	1.065	1.189	-11.6	96	0.00
95		tert-BUTYLBENZENE	0.441	0.474	-7.5	94	0.00
96		1,2,4-TRIMETHYLBENZENE	2.260	2.411	-6.7	94	0.00

Initial Calibration Verification

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY
Sample: V3W3499-ICV3499
Lab FileID: 3W88669.D

97		m-DICHLOROBENZENE	1.675	1.697	-1.3	93	0.00
98		BENZYL CHLORIDE	2.307	2.655	-15.1	98	0.00
99		p-DICHLOROBENZENE	1.668	1.668	0.0	93	0.00
100		sec-BUTYLBENZENE	0.595	0.646	-8.6	94	0.00
101		1,2,3-Trimethylbenzene	2.380	2.607	-9.5	95	0.00
102		p-ISOPROPYLTOLUENE	0.667	0.742	-11.2	95	0.00
103		o-DICHLOROBENZENE	1.624	1.624	0.0	92	0.00
104		n-BUTYLBENZENE	0.660	0.728	-10.3	93	0.00
105		HEXACHLOROETHANE	1.024	1.119	-9.3	94	0.00
106		HEXACHLOROBUTADIENE	1.980	2.111	-6.6	95	0.00
107		1,2,4-TRICHLOROBENZENE	1.903	1.996	-4.9	91	0.00
108		NAPHTHALENE	3.184	3.600	-13.1	95	0.00
109	I	BROMOCHLOROMETHANE (A)	1.000	1.000	0.0	93	0.00
110		TVHC as equiv Pentane	10.621	10.123	4.7	101	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

M3W3499.M Wed Sep 11 15:14:24 2024

Continuing Calibration Summary

Job Number: JE2487 **Sample:** V3W3503-CC3499
Account: GESNYP Groundwater & Environmental Services **Lab FileID:** 3W88779.D
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\g...024\V3W3503\3w88779.d Vial: 1
Acq On : 19 Sep 2024 1:17 pm Operator: thomash
Sample : cc3499-10 Inst : GCMS-3W
Misc : MS80966,v3w3503,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P

Method : C:\msdchem\1\methods\M3W3499.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Sep 11 11:57:05 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 140%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	BROMOCHLOROMETHANE	1.000	1.000	0.0	82	0.00	7.49
2	FREON 115	1.700	1.735	-2.1	80	0.00	3.87
3	FREON 152A	0.852	0.955	-12.1	89	0.00	3.95
4	CHLORODIFLUOROMETHANE	0.524	0.507	3.2	77	0.00	3.97
5	CHLOROTRIFLUOROETHENE	1.686	1.758	-4.3	84	0.00	4.00
6	DICHLORODIFLUOROMETHANE	4.961	4.878	1.7	78	0.00	4.04
7	PROPYLENE	1.593	1.576	1.1	82	0.00	3.99
8	1-CHLORO-1,1-DIFLUOROETHA	4.438	3.955	10.9	73	0.00	4.14
9	FREON 114	3.241	3.116	3.9	77	0.00	4.22
10	CHLOROMETHANE	0.495	0.462	6.7	75	0.00	4.16
11	VINYL CHLORIDE	1.342	1.281	4.5	79	0.00	4.30
12	1,3-BUTADIENE	1.072	0.975	9.0	79	0.00	4.39
13	n-BUTANE	2.267	2.016	11.1	83	0.00	4.43
14	BROMOMETHANE	1.182	1.035	12.4	81	0.00	4.58
15	CHLOROETHANE	0.565	0.591	-4.6	85	0.00	4.69
16	DICHLOROFLUOROMETHANE	3.099	2.980	3.8	82	0.00	4.74
17	ACETONITRILE	1.230	1.141	7.2	87	0.00	4.94
18	ACROLEIN	0.595	0.497	16.5	76	0.00	5.03
19	FREON 123	2.798	2.675	4.4	81	0.00	5.02
20	FREON 123A	1.594	1.495	6.2	77	0.00	5.05
21	TRICHLOROFLUOROMETHANE	4.684	3.919	16.3	70	0.00	5.21
22	ISOPROPYL ALCOHOL	3.894	3.944	-1.3	108	0.00	5.35
23	ACETONE	0.748	0.588	21.4	79	0.00	5.13
24	PENTANE	1.577	2.033	-28.9	127	0.00	5.46
25	IODOMETHANE	3.024	3.413	-12.9	93	0.00	5.64
26	1,1-DICHLOROETHYLENE	1.066	1.332	-25.0	106	0.00	5.68
27	CARBON DISULFIDE	3.577	3.996	-11.7	93	0.00	6.01
28	ETHANOL	0.861	0.841	2.3	97	0.00	4.80
29	BROMOETHENE	1.043	1.024	1.8	81	0.00	4.92
30	ACRYLONITRILE	1.083	1.268	-17.1	116	0.00	5.44
31	METHYLENE CHLORIDE	1.139	1.255	-10.2	111	0.00	5.76
32	3-CHLOROPROPENE	0.515	0.744	-44.5#	117	0.00	5.86
33	FREON 113	2.162	2.287	-5.8	90	0.00	5.95
34	TRANS-1,2-DICHLOROETHYLEN	1.306	1.391	-6.5	86	0.00	6.49
35	TERTIARY BUTYL ALCOHOL	3.508	3.875	-10.5	93	0.00	5.82
36	METHYL TERTIARY BUTYL ETH	4.443	4.542	-2.2	84	0.00	6.74
37	TETRAHYDROFURAN	0.592	0.691	-16.7	90	0.00	8.00
38	HEXANE	2.925	2.737	6.4	82	0.00	7.51
39	VINYL ACETATE	0.256	0.290	-13.3	83	0.00	6.77
40	1,1-DICHLOROETHANE	3.085	3.120	-1.1	84	0.00	6.66
41	METHYL ETHYL KETONE	0.605	0.708	-17.0	89	0.00	7.02
42	cis-1,2-DICHLOROETHYLENE	1.325	1.442	-8.8	86	0.00	7.35

Continuing Calibration Summary

Job Number: JE2487 **Sample:** V3W3503-CC3499
Account: GESNYP Groundwater & Environmental Services **Lab FileID:** 3W88779.D
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

43		DIISOPROPYL ETHER	0.773	0.749	3.1	82	0.00	7.53
44		ETHYL ACETATE	0.459	0.548	-19.4	87	0.00	7.56
45		METHYL ACRYLATE	3.441	3.289	4.4	76	0.00	7.54
46		CHLOROFORM	3.441	3.365	2.2	81	0.00	7.60
47		2,4-DIMETHYLPENTANE	3.102	3.257	-5.0	82	0.00	8.28
48		1,1,1-TRICHLOROETHANE	3.915	3.707	5.3	77	0.00	8.48
49		CARBON TETRACHLORIDE	4.128	3.875	6.1	75	0.00	9.03
50		1,2-DICHLOROETHANE	3.076	2.827	8.1	75	0.00	8.25
51	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	83	0.00	9.21
52		BENZENE	0.791	0.810	-2.4	86	0.00	8.90
53		CYCLOHEXANE	0.323	0.353	-9.3	85	0.00	9.14
54		2,3-DIMETHYLPENTANE	0.170	0.184	-8.2	86	0.00	9.35
55		TRICHLOROETHYLENE	0.400	0.408	-2.0	82	0.00	9.88
56		1,2-DICHLOROPROPANE	0.366	0.370	-1.1	86	0.00	9.66
57		DIBROMOMETHANE	0.406	0.421	-3.7	91	0.00	9.63
58		ETHYL ACRYLATE	0.861	0.835	3.0	77	0.00	9.68
59		BROMODICHLOROMETHANE	0.812	0.773	4.8	79	0.00	9.84
60		2,2,4-TRIMETHYLPENTANE	1.726	1.745	-1.1	82	0.00	9.90
61		1,4-DIOXANE	0.185	0.195	-5.4	85	0.00	9.95
62		HEPTANE	0.747	0.698	6.6	77	0.00	10.15
63		METHYL METHACRYLATE	0.299	0.328	-9.7	88	0.00	10.08
64		METHYL ISOBUTYL KETONE	0.320	0.312	2.5	77	0.00	10.80
65		cis-1,3-DICHLOROPROPENE	0.560	0.598	-6.8	85	0.00	10.71
66		TOLUENE	0.581	0.592	-1.9	86	0.00	11.67
67		1,3-DICHLOROPROPANE	0.526	0.520	1.1	84	0.00	11.70
68		trans-1,3-DICHLOROPROPENE	0.570	0.594	-4.2	82	0.00	11.23
69		1,1,2-TRICHLOROETHANE	0.312	0.314	-0.6	85	0.00	11.40
70	I	CHLOROBENZENE-D5	1.000	1.000	0.0	73	0.00	13.49
71		2-HEXANONE	0.733	0.825	-12.6	76	0.00	11.99
72		ETHYL METHACRYLATE	0.800	1.024	-28.0	88	0.00	11.97
73		TETRACHLOROETHYLENE	0.759	0.831	-9.5	85	0.00	12.83
74		DIBROMOCHLOROMETHANE	1.186	1.250	-5.4	75	0.00	12.10
75		1,2-DIBROMOETHANE	0.941	1.045	-11.1	82	0.00	12.35
76		OCTANE	1.715	1.825	-6.4	77	0.00	12.68
77		1,1,1,2-TETRACHLOROETHANE	0.819	0.853	-4.2	77	0.00	13.52
78		CHLOROBENZENE	1.355	1.492	-10.1	82	0.00	13.53
79		ETHYLBENZENE	2.304	2.561	-11.2	82	0.00	13.93
80		m,p-XYLENE	0.843	0.938	-11.3	82	0.00	14.13
81		o-XYLENE	0.804	0.908	-12.9	81	0.00	14.64
82		STYRENE	1.260	1.494	-18.6	81	0.00	14.52
83		NONANE	1.851	1.987	-7.3	75	0.00	14.89
84		BROMOFORM	1.261	1.185	6.0	63	0.00	14.21
85	S	4-BROMOFLUOROBENZENE	1.216	1.087	10.6	65	0.00	15.15
86		1,1,2,2-TETRACHLOROETHANE	1.361	1.472	-8.2	82	0.00	14.63
87		1,2,3-TRICHLOROPROPANE	1.194	1.312	-9.9	80	0.00	14.78
88		ISOPROPYLBENZENE	2.668	2.975	-11.5	78	0.00	15.30
89		BROMOBENZENE	1.499	1.620	-8.1	79	0.00	15.39
90		2-CHLOROTOLUENE	0.612	0.715	-16.8	80	0.00	15.85
91		n-PROPYLBENZENE	0.681	0.786	-15.4	79	0.00	15.90
92		4-ETHYLTOLUENE	2.519	2.984	-18.5	79	0.00	16.08
93		1,3,5-TRIMETHYLBENZENE	2.201	2.518	-14.4	77	0.00	16.17
94		ALPHA-METHYLSTYRENE	1.065	1.241	-16.5	78	0.00	16.36
95		tert-BUTYLBENZENE	0.441	0.481	-9.1	74	0.00	16.66
96		1,2,4-TRIMETHYLBENZENE	2.260	2.520	-11.5	76	0.00	16.67
97		m-DICHLOROBENZENE	1.675	1.790	-6.9	76	0.00	16.84
98		BENZYL CHLORIDE	2.307	2.651	-14.9	77	0.00	16.82
99		p-DICHLOROBENZENE	1.668	1.770	-6.1	77	0.00	16.92
100		sec-BUTYLBENZENE	0.595	0.653	-9.7	74	0.00	16.98

Continuing Calibration Summary

Job Number: JE2487 **Sample:** V3W3503-CC3499
Account: GESNYP Groundwater & Environmental Services **Lab FileID:** 3W88779.D
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

101		1,2,3-Trimethylbenzene	2.380	2.685	-12.8	76	0.00	17.17
102		p-ISOPROPYLTOLUENE	0.667	0.725	-8.7	72	0.00	17.18
103		o-DICHLOROBENZENE	1.624	1.722	-6.0	76	0.00	17.33
104		n-BUTYLBENZENE	0.660	0.736	-11.5	73	0.00	17.68
105		HEXACHLOROETHANE	1.024	1.088	-6.3	71	0.00	18.13
106		HEXACHLOROBUTADIENE	1.980	2.214	-11.8	77	0.00	19.90
107		1,2,4-TRICHLOROBENZENE	1.903	2.155	-13.2	77	0.00	19.36
108		NAPHTHALENE	3.184	3.714	-16.6	76	0.00	19.49
109	I	BROMOCHLOROMETHANE (A)	1.000	1.000	0.0	82	0.00	7.49
110		TVHC as equiv Pentane	10.621	13.343	-25.6	116	0.00	5.45

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3w88662.D M3W3499.M Fri Sep 20 04:55:58 2024

Initial Calibration Summary

Job Number: JE2487 **Sample:** V5W2125-ICC2125
Account: GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55466.D
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Response Factor Report GCMS5W

Method : C:\msdchem\1\methods\M5w2125.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

Calibration Files
0.04=5w55459.D 0.1 =5w55460.D 0.2 =5w55461.D 0.5 =5w55463.D
5 =5w55464.D 10 =5w55466.D 20 =5w55467.D 40 =5w55468.D
50 =5w55469.D =

Compound	0.04	0.1	0.2	0.5	5	10	20	40	50	Avg	%RSD
1) I BROMOCHLOROMETHANE	----------ISTD----------										
2) FREON 115	1.494	1.548	1.299	1.657	0.642	1.669	1.274			1.369	26.06
3) FREON 152A	0.717	0.684	0.712	0.756	0.789	0.758	0.757	0.760	0.726	0.740	4.36
4) CHLORODIFLUOROMETHANE	0.279	0.341	0.371	0.394	0.410	0.406	0.414	0.428	0.410	0.384	12.27
5) CHLOROTRIFLUOROETHENE	1.677	1.542	1.642	1.717	1.772	1.742	1.780	1.866	1.846	1.732	5.86
6) DICHLORODIFLUOROMETHANE	3.513	3.536	3.550	3.840	3.911	3.777	3.705	3.640	3.418	3.654	4.52
7) PROPYLENE	1.224	1.033	0.862	0.907	0.898	0.861	0.861	0.849	0.788	0.920	14.31
8) 1-CHLORO-1,1-DIFLUOROETHANE	4.008	3.852	3.920	4.118	4.140	3.754	3.537	3.345	3.006	3.742	10.16
9) FREON 114	4.598	4.822	4.882	5.183	5.093	4.507	4.151	3.758	3.349	4.483	13.82
10) CHLOROMETHANE	0.398	0.543	0.544	0.546	0.525	0.463	0.435	0.413	0.375	0.471	14.66
11) VINYL CHLORIDE	1.756	1.727	1.812	1.894	1.887	1.639	1.511	1.406	1.304	1.659	12.74
12) 1,3-BUTADIENE	1.420	1.134	1.171	1.246	1.221	1.066	0.996	0.917	0.850	1.114	15.90
13) n-BUTANE	2.733	2.476	2.579	2.336	1.998	1.834	1.628	1.508		2.136	21.46
14) BROMOMETHANE	2.365	1.858	1.978	1.857	1.631	1.518	1.426	1.356		1.749	19.11
15) CHLOROETHANE	0.846	0.831	0.838	0.890	0.827	0.725	0.666	0.613	0.589	0.758	14.78
16) DICHLOROFLUOROMETHANE	4.518	4.122	4.054	4.299	4.145	3.576	3.289	2.965	2.768	3.748	16.61
17) ACETONITRILE	1.389	1.492	1.554	1.399	1.170	1.073	0.927	0.867		1.234	21.21
18) ACROLEIN	0.585	0.528	0.670	0.602	0.545	0.504	0.450	0.426		0.539	14.94
19) FREON 123	4.363	4.195	4.097	4.417	4.204	3.644	3.338	2.930	2.766	3.773	16.67
20) FREON 123A	2.136	2.135	2.173	2.278	2.198	1.969	1.835	1.696	1.633	2.006	11.66
21) TRICHLOROFLUOROMETHANE	3.235	3.373	3.388	3.743	3.622	3.391	3.312	3.257	3.072	3.377	5.98
22) ISOPROPYL ALCOHOL	2.807	2.426	2.240	1.968	2.127	2.047	1.877	1.627		2.140	16.83
23) ACETONE											

```
                    1.396 0.887 0.807 0.650 0.580 0.520         0.807   39.66
24)  PENTANE
          1.158 1.086 1.066 1.120 1.125 1.072 1.032 0.998 0.910   1.063    7.07
25)  IODOMETHANE
          2.569 2.613 2.606 2.878 2.919 2.955 2.917 2.964 2.934   2.817    5.97
26)  1,1-DICHLOROETHYLENE
          1.034 1.061 1.042 1.082 1.083 1.068 1.039 1.024 0.989   1.047    2.89
27)  CARBON DISULFIDE
          2.768 2.870 2.975 3.284 3.340 3.192 3.075 2.978 2.772   3.028    6.96
28)  ETHANOL
                         1.196 0.821 0.784 0.718 0.613 0.573   0.784   28.45
29)  BROMOETHENE
          1.456 1.481 1.563 1.690 1.665 1.516 1.423 1.332 1.280   1.490    9.22
30)  ACRYLONITRILE
                    1.768 0.744 0.807 0.673 0.649 0.638 0.587   0.838   49.71
31)  METHYLENE CHLORIDE
          1.174 1.115 1.079 1.161 1.090 1.020 0.970 0.937 0.893   1.049    9.49
32)  3-CHLOROPROPENE
          0.391 0.474 0.489 0.498 0.523 0.522 0.504 0.487 0.466   0.484    8.20
33)  FREON 113
          1.537 1.700 1.617 1.831 1.786 1.770 1.764 1.822 1.837   1.740    5.96
34)  TRANS-1,2-DICHLOROETHYLENE
          1.036 1.154 1.076 1.153 1.132 1.135 1.105 1.097 1.066   1.106    3.71
35)  TERTIARY BUTYL ALCOHOL
          1.734 1.833 1.823 2.144 2.079 2.269 2.216 2.116 1.901   2.013    9.58
36)  METHYL TERTIARY BUTYL ETHER
          2.586 2.482 2.471 2.912 3.070 3.107 3.054 2.981 2.851   2.835    9.02
37)  TETRAHYDROFURAN
               0.268 0.296 0.444 0.502 0.510 0.502 0.487 0.463   0.434   22.27
38)  HEXANE
          1.296 1.250 1.316 1.611 1.742 1.704 1.755 1.771 1.658   1.567   13.80
39)  VINYL ACETATE
                    0.064 0.147 0.204 0.201 0.211 0.216 0.211   0.179   31.12
40)  1,1-DICHLOROETHANE
          1.980 2.003 2.035 2.251 2.203 2.132 2.047 1.983 1.866   2.056    5.86
41)  METHYL ETHYL KETONE
               0.226 0.307 0.423 0.518 0.520 0.506 0.495 0.474   0.434   25.32
42)  cis-1,2-DICHLOROETHYLENE
          1.119 1.164 1.035 1.175 1.187 1.196 1.162 1.161 1.131   1.148    4.27
43)  DIISOPROPYL ETHER
               0.332 0.374 0.456 0.524 0.521 0.536 0.550 0.515   0.476   17.14
44)  ETHYL ACETATE
               0.149 0.238 0.333 0.367 0.378 0.372 0.373 0.350   0.320   25.97
45)  METHYL ACRYLATE
                    1.287 1.700 2.080 2.073 2.110 2.111 1.972   1.905   16.20
46)  CHLOROFORM
          2.397 2.484 2.543 2.896 2.724 2.637 2.549 2.497 2.378   2.567    6.38
47)  2,4-DIMETHYLPENTANE
          1.387 1.405 1.543 1.739 1.926 1.905 1.896 1.877 1.746   1.714   12.63
48)  1,1,1-TRICHLOROETHANE
          2.370 2.514 2.437 2.783 2.709 2.671 2.666 2.690 2.619   2.607    5.25
49)  CARBON TETRACHLORIDE
          2.346 2.488 2.550 2.864 2.899 2.882 2.913 2.946 2.904   2.755    8.25
50)  1,2-DICHLOROETHANE
          1.373 1.525 1.645 1.819 1.787 1.772 1.745 1.722 1.641   1.670    8.61

51) I   1,4-DIFLUOROBENZENE   ----------------ISTD----------------------
52)  BENZENE
          0.655 0.645 0.644 0.737 0.755 0.753 0.769 0.790 0.774   0.725    8.20
53)  CYCLOHEXANE
```

Initial Calibration Summary

Job Number: JE2487 **Sample:** V5W2125-ICC2125
Account: GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55466.D
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

```
          0.200 0.219 0.225 0.268 0.295 0.300 0.306 0.321 0.316   0.272   16.87
54)  2,3-DIMETHYLPENTANE
          0.101 0.119 0.127 0.155 0.157 0.158 0.164 0.173 0.169   0.147   17.11
55)  TRICHLOROETHYLENE
          0.331 0.323 0.334 0.377 0.384 0.389 0.410 0.447 0.445   0.382   12.16
56)  1,2-DICHLOROPROPANE
          0.286 0.277 0.285 0.308 0.316 0.310 0.323 0.339 0.325   0.308    6.82
57)  DIBROMOMETHANE
          0.426 0.344 0.344 0.324 0.336 0.350 0.376 0.422 0.444   0.374   12.09
58)  ETHYL ACRYLATE
                0.293 0.327 0.425 0.537 0.561 0.576 0.594 0.570   0.485   24.76
59)  BROMODICHLOROMETHANE
          0.528 0.553 0.564 0.687 0.693 0.702 0.732 0.780 0.764   0.667   14.17
60)  2,2,4-TRIMETHYLPENTANE
          0.894 0.904 0.917 1.125 1.215 1.207 1.230 1.247 1.166   1.101   13.72
61)  1,4-DIOXANE
                0.124 0.141 0.148 0.158 0.184 0.194 0.202 0.200   0.169   17.58
62)  HEPTANE
          0.329 0.307 0.322 0.389 0.422 0.415 0.425 0.439 0.412   0.384   13.26
63)  METHYL METHACRYLATE
                0.149 0.176 0.229 0.265 0.272 0.277 0.283 0.277   0.241   21.56
64)  METHYL ISOBUTYL KETONE
                0.119 0.139 0.183 0.226 0.232 0.241 0.254 0.245   0.205   25.18
65)  cis-1,3-DICHLOROPROPENE
          0.324 0.343 0.374 0.448 0.507 0.520 0.545 0.577 0.568   0.467   21.12
66)  TOLUENE
          0.383 0.404 0.414 0.463 0.537 0.553 0.573 0.618 0.617   0.507   18.24
67)  1,3-DICHLOROPROPANE
          0.339 0.370 0.382 0.460 0.483 0.479 0.489 0.511 0.501   0.446   14.42
68)  trans-1,3-DICHLOROPROPENE
          0.254 0.279 0.336 0.398 0.473 0.498 0.523 0.557 0.553   0.430   27.23
69)  1,1,2-TRICHLOROETHANE
          0.256 0.260 0.277 0.319 0.314 0.315 0.326 0.346 0.343   0.306   11.05

70) I   CHLOROBENZENE-D5      ----------------ISTD---------------------
71)  2-HEXANONE
                0.233 0.325 0.443 0.585 0.591 0.574 0.531 0.493   0.472   27.90
72)  ETHYL METHACRYLATE
                0.415 0.468 0.656 0.845 0.850 0.822 0.760 0.710   0.691   24.40
73)  TETRACHLOROETHYLENE
          0.644 0.683 0.666 0.676 0.673 0.658 0.644 0.619 0.616   0.653    3.69
74)  DIBROMOCHLOROMETHANE
          0.715 0.842 0.873 1.176 1.250 1.246 1.218 1.142 1.097   1.062   18.77
75)  1,2-DIBROMOETHANE
          0.681 0.799 0.823 0.977 0.995 0.980 0.942 0.883 0.846   0.881   11.86
76)  OCTANE
          0.700 0.733 0.747 0.900 1.071 1.044 0.998 0.900 0.813   0.878   15.80
77)  1,1,1,2-TETRACHLOROETHANE
          0.577 0.692 0.702 0.776 0.792 0.785 0.781 0.758 0.737   0.733    9.39
78)  CHLOROBENZENE
          1.220 1.285 1.284 1.407 1.369 1.339 1.303 1.220 1.157   1.287    6.14
79)  ETHYLBENZENE
          1.583 1.594 1.630 1.933 2.151 2.119 2.023 1.847 1.714   1.844   12.18
80)  m,p-XYLENE
          0.513 0.551 0.573 0.732 0.835 0.816 0.797 0.756 0.725   0.700   17.44
81)  o-XYLENE
          0.477 0.543 0.547 0.725 0.824 0.797 0.781 0.731 0.687   0.679   18.53
82)  STYRENE
          0.623 0.702 0.741 0.933 1.219 1.207 1.173 1.109 1.059   0.974   23.89
83)  NONANE
```

Initial Calibration Summary

Job Number: JE2487 **Sample:** V5W2125-ICC2125
Account: GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55466.D
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

```
           0.750 0.718 0.774 1.007 1.144 1.086 1.032 0.914 0.824   0.917   17.15
 84)  BROMOFORM
                       0.501 1.084 1.201 1.242 1.235 1.186 1.157   1.087   24.28
 85)  4-BROMOFLUOROBENZENE
           1.210 1.226 1.219 1.227 1.210 1.137 1.043 0.916 0.885   1.119   12.30
 86)  1,1,2,2-TETRACHLOROETHANE
           1.262 1.289 1.357 1.499 1.521 1.487 1.426 1.287 1.157   1.365    9.23
 87)  1,2,3-TRICHLOROPROPANE
           0.891 0.980 1.032 1.124 1.106 1.051 0.976 0.885 0.824   0.986   10.48
 88)  ISOPROPYLBENZENE
           1.803 1.855 1.905 2.266 2.459 2.358 2.258 2.075 1.932   2.101   11.45
 89)  BROMOBENZENE
           1.162 1.130 1.156 1.312 1.323 1.252 1.198 1.112 1.036   1.187    7.99
 90)  2-CHLOROTOLUENE
           0.374 0.427 0.468 0.553 0.625 0.600 0.581 0.563 0.547   0.526   16.03
 91)  n-PROPYLBENZENE
           0.347 0.392 0.455 0.569 0.653 0.631 0.605 0.582 0.561   0.533   20.36
 92)  4-ETHYLTOLUENE
           1.385 1.501 1.571 2.076 2.427 2.340 2.236 2.043 1.874   1.939   19.59
 93)  1,3,5-TRIMETHYLBENZENE
           1.141 1.303 1.374 1.843 2.053 1.974 1.882 1.739 1.609   1.657   19.36
 94)  ALPHA-METHYLSTYRENE
                       0.571 0.796 1.022 1.013 0.992 0.955 0.914   0.895   18.17
 95)  tert-BUTYLBENZENE
                  0.245 0.266 0.355 0.422 0.416 0.413 0.398 0.379   0.362   19.16
 96)  1,2,4-TRIMETHYLBENZENE
           1.221 1.230 1.427 1.913 2.186 2.127 2.062 1.835 1.650   1.739   21.59
 97)  m-DICHLOROBENZENE
           1.119 1.133 1.269 1.487 1.561 1.547 1.506 1.397 1.304   1.369   12.50
 98)  BENZYL CHLORIDE
                       1.375 1.687 2.118 2.187 2.134 1.891 1.674   1.866   16.21
 99)  p-DICHLOROBENZENE
           0.984 1.133 1.192 1.448 1.482 1.425 1.355 1.278 1.208   1.278   12.91
100)  sec-BUTYLBENZENE
           0.306 0.333 0.367 0.477 0.526 0.503 0.479 0.455 0.439   0.432   18.07
101)  1,2,3-TRIMETHYLBENZENE
           1.240 1.378 1.471 1.907 2.189 2.108 2.035 1.865 1.703   1.766   19.16
102)  p-ISOPROPYLTOLUENE
           0.336 0.381 0.413 0.572 0.621 0.592 0.575 0.554 0.522   0.507   20.35
103)  o-DICHLOROBENZENE
           1.043 1.139 1.204 1.380 1.413 1.355 1.280 1.216 1.156   1.243    9.94
104)  n-BUTYLBENZENE
           0.263 0.320 0.367 0.470 0.582 0.570 0.560 0.545 0.524   0.467   25.69
105)  HEXACHLOROETHANE
           0.643 0.685 0.711 0.955 1.031 1.027 1.003 0.931 0.846   0.870   17.76
106)  HEXACHLOROBUTADIENE
           1.035 0.992 0.972 1.094 1.175 1.345 1.383 1.333 1.195   1.169   13.47
107)  1,2,4-TRICHLOROBENZENE
                       0.916 0.940 1.038 1.217 1.230 1.238 1.173   1.107   12.67
108)  NAPHTHALENE
                       1.915 2.112 2.486 2.887 2.742 2.445         2.431   15.12

109) I   BROMOCHLOROMETHANE (A ----------------ISTD----------------------
110)  TVHC as equiv Pentane
           0.900 0.896 1.032 0.778 0.783 0.702 0.682 0.663 0.609   0.783 E1   17.50
 ---------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          M5w2125.M         Mon Dec 09 14:41:37 2024
```

Initial Calibration Verification

Job Number: JE2487 **Sample:** V5W2125-ICV2125
Account: GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55473.D
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\5w55473.D Vial: 5
Acq On : 9 Dec 2024 1:55 pm Operator: benk
Sample : icv2125-10 Inst : GCMS5W
Misc : MS74484,V5W2125,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P

Method : C:\msdchem\1\methods\M5w2125.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Dec 09 14:21:09 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 140%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	BROMOCHLOROMETHANE	1.000	1.000	0.0	108	0.00	7.67
2	FREON 115	1.369	1.550	-13.2	101	0.00	3.46
3	FREON 152A	0.740	0.662	10.5	95	0.00	3.55
4	CHLORODIFLUOROMETHANE	0.384	0.376	2.1	100	0.00	3.58
5	CHLOROTRIFLUOROETHENE	1.732	1.640	5.3	102	0.00	3.61
6	DICHLORODIFLUOROMETHANE	3.654	3.452	5.5	99	0.00	3.65
7	PROPYLENE	0.920	0.715	22.3	90	0.00	3.60
8	1-CHLORO-1,1-DIFLUOROETHA	3.742	3.499	6.5	101	0.00	3.75
9	FREON 114	4.483	4.285	4.4	103	0.00	3.84
10	CHLOROMETHANE	0.471	0.409	13.2	96	0.00	3.77
11	VINYL CHLORIDE	1.659	1.513	8.8	100	0.00	3.93
12	1,3-BUTADIENE	1.114	0.994	10.8	101	0.00	4.03
13	n-BUTANE	2.136	1.839	13.9	100	0.00	4.07
14	BROMOMETHANE	1.749	1.560	10.8	104	0.00	4.23
15	CHLOROETHANE	0.758	0.680	10.3	102	0.00	4.35
16	DICHLOROFLUOROMETHANE	3.748	3.432	8.4	104	0.00	4.42
17	ACETONITRILE	1.234	1.102	10.7	102	0.00	4.62
18	ACROLEIN	0.539	0.535	0.7	106	0.00	4.71
19	FREON 123	3.773	3.394	10.0	101	0.00	4.73
20	FREON 123A	2.006	1.773	11.6	98	0.00	4.78
21	TRICHLOROFLUOROMETHANE	3.377	3.288	2.6	105	0.00	4.94
22	ISOPROPYL ALCOHOL	2.140	1.917	10.4	98	0.00	5.03
23	ACETONE	0.807	0.603	25.3	101	0.00	4.82
24	PENTANE	1.063	0.903	15.1	91	0.00	5.23
25	IODOMETHANE	2.817	2.883	-2.3	106	0.00	5.42
26	1,1-DICHLOROETHYLENE	1.047	1.010	3.5	102	0.00	5.48
27	CARBON DISULFIDE	3.028	3.051	-0.8	104	0.00	5.85
28	ETHANOL	0.784	0.618	21.2	85	0.00	4.46
29	BROMOETHENE	1.490	1.474	1.1	105	0.00	4.62
30	ACRYLONITRILE	0.838	0.581	30.7#	93	0.00	5.20
31	METHYLENE CHLORIDE	1.049	0.953	9.2	101	0.00	5.59
32	3-CHLOROPROPENE	0.484	0.475	1.9	99	0.00	5.69
33	FREON 113	1.740	1.778	-2.2	109	0.00	5.82
34	TRANS-1,2-DICHLOROETHYLEN	1.106	1.077	2.6	103	0.00	6.45
35	TERTIARY BUTYL ALCOHOL	2.013	2.303	-14.4	110	0.00	5.55
36	METHYL TERTIARY BUTYL ETH	2.835	2.868	-1.2	100	0.00	6.71
37	TETRAHYDROFURAN	0.434	0.474	-9.2	101	0.00	8.24
38	HEXANE	1.567	1.462	6.7	93	0.00	7.71
39	VINYL ACETATE	0.179	0.199	-11.2	107	0.00	6.81
40	1,1-DICHLOROETHANE	2.056	1.875	8.8	95	0.00	6.65
41	METHYL ETHYL KETONE	0.434	0.464	-6.9	97	0.00	7.06
42	cis-1,2-DICHLOROETHYLENE	1.148	1.116	2.8	101	0.00	7.50

Initial Calibration Verification

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample: V5W2125-ICV2125
Lab FileID: 5W55473.D

43		DIISOPROPYL ETHER	0.476	0.459	3.6	95	0.00	7.72
44		ETHYL ACETATE	0.320	0.334	-4.4	96	0.00	7.75
45		METHYL ACRYLATE	1.905	1.852	2.8	97	0.00	7.73
46		CHLOROFORM	2.567	2.506	2.4	103	0.00	7.81
47		2,4-DIMETHYLPENTANE	1.714	1.678	2.1	95	0.00	8.67
48		1,1,1-TRICHLOROETHANE	2.607	2.588	0.7	105	0.00	8.87
49		CARBON TETRACHLORIDE	2.755	2.815	-2.2	106	0.00	9.57
50		1,2-DICHLOROETHANE	1.670	1.609	3.7	98	0.00	8.61
51	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	108	0.00	9.83
52		BENZENE	0.725	0.689	5.0	99	0.00	9.40
53		CYCLOHEXANE	0.272	0.278	-2.2	101	0.00	9.70
54		2,3-DIMETHYLPENTANE	0.147	0.145	1.4	99	0.00	10.00
55		TRICHLOROETHYLENE	0.382	0.366	4.2	102	0.00	10.65
56		1,2-DICHLOROPROPANE	0.308	0.279	9.4	98	0.00	10.36
57		DIBROMOMETHANE	0.374	0.353	5.6	109	0.00	10.34
58		ETHYL ACRYLATE	0.485	0.507	-4.5	98	0.00	10.42
59		BROMODICHLOROMETHANE	0.667	0.656	1.6	101	0.00	10.61
60		2,2,4-TRIMETHYLPENTANE	1.101	1.060	3.7	95	0.00	10.69
61		1,4-DIOXANE	0.169	0.178	-5.3	105	0.00	10.67
62		HEPTANE	0.384	0.358	6.8	93	0.00	11.03
63		METHYL METHACRYLATE	0.241	0.246	-2.1	98	0.00	10.94
64		METHYL ISOBUTYL KETONE	0.205	0.207	-1.0	97	0.00	11.79
65		cis-1,3-DICHLOROPROPENE	0.467	0.452	3.2	94	0.00	11.73
66		TOLUENE	0.507	0.517	-2.0	101	0.00	12.96
67		1,3-DICHLOROPROPANE	0.446	0.442	0.9	100	0.00	13.01
68		trans-1,3-DICHLOROPROPENE	0.430	0.457	-6.3	99	0.00	12.41
69		1,1,2-TRICHLOROETHANE	0.306	0.292	4.6	100	0.00	12.61
70	I	CHLOROBENZENE-D5	1.000	1.000	0.0	104	0.00	15.35
71		2-HEXANONE	0.472	0.552	-16.9	97	0.00	13.36
72		ETHYL METHACRYLATE	0.691	0.833	-20.5	102	0.00	13.39
73		TETRACHLOROETHYLENE	0.653	0.683	-4.6	108	0.00	14.47
74		DIBROMOCHLOROMETHANE	1.062	1.276	-20.2	107	0.00	13.51
75		1,2-DIBROMOETHANE	0.881	0.966	-9.6	103	0.00	13.82
76		OCTANE	0.878	0.935	-6.5	93	0.00	14.33
77		1,1,1,2-TETRACHLOROETHANE	0.733	0.802	-9.4	106	0.00	15.39
78		CHLOROBENZENE	1.287	1.323	-2.8	103	0.00	15.41
79		ETHYLBENZENE	1.844	2.064	-11.9	101	0.00	15.96
80		m,p-XYLENE	0.700	0.808	-15.4	103	0.00	16.23
81		o-XYLENE	0.679	0.778	-14.6	102	0.00	16.90
82		STYRENE	0.974	1.179	-21.0	102	0.00	16.75
83		NONANE	0.917	0.971	-5.9	93	0.00	17.31
84		BROMOFORM	1.087	1.261	-16.0	106	0.00	16.29
85	S	4-BROMOFLUOROBENZENE	1.119	1.167	-4.3	107	0.00	17.59
86		1,1,2,2-TETRACHLOROETHANE	1.365	1.407	-3.1	99	0.00	16.91
87		1,2,3-TRICHLOROPROPANE	0.986	1.011	-2.5	100	0.00	17.10
88		ISOPROPYLBENZENE	2.101	2.353	-12.0	104	0.00	17.81
89		BROMOBENZENE	1.187	1.216	-2.4	101	0.00	17.91
90		2-CHLOROTOLUENE	0.526	0.618	-17.5	107	0.00	18.55
91		n-PROPYLBENZENE	0.533	0.636	-19.3	105	0.00	18.64
92		4-ETHYLTOLUENE	1.939	2.292	-18.2	102	0.00	18.88
93		1,3,5-TRIMETHYLBENZENE	1.657	1.939	-17.0	102	0.00	19.01
94		ALPHA-METHYLSTYRENE	0.895	1.017	-13.6	105	0.00	19.26
95		tert-BUTYLBENZENE	0.362	0.426	-17.7	107	0.00	19.61
96		1,2,4-TRIMETHYLBENZENE	1.739	2.096	-20.5	103	0.00	19.63
97		m-DICHLOROBENZENE	1.369	1.565	-14.3	105	0.00	19.82
98		BENZYL CHLORIDE	1.866	2.201	-18.0	105	0.00	19.81
99		p-DICHLOROBENZENE	1.278	1.435	-12.3	105	0.00	19.92
100		sec-BUTYLBENZENE	0.432	0.513	-18.8	106	0.00	20.02

Initial Calibration Verification

Job Number: JE2487 **Sample:** V5W2125-ICV2125
Account: GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55473.D
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

101		1,2,3-TRIMETHYLBENZENE	1.766	2.098	-18.8	104	0.00	20.23
102		p-ISOPROPYLTOLUENE	0.507	0.615	-21.3	108	0.00	20.26
103		o-DICHLOROBENZENE	1.243	1.380	-11.0	106	0.00	20.41
104		n-BUTYLBENZENE	0.467	0.577	-23.6	105	0.00	20.85
105		HEXACHLOROETHANE	0.870	0.978	-12.4	99	0.00	21.32
106		HEXACHLOROBUTADIENE	1.169	1.383	-18.3	107	0.00	23.37
107		1,2,4-TRICHLOROBENZENE	1.107	1.294	-16.9	111	0.00	23.22
108		NAPHTHALENE	2.431	3.137	-29.0	113	0.00	22.88
109	I	BROMOCHLOROMETHANE (A)	1.000	1.000	0.0	108	0.00	7.67
110		TVHC as equiv Pentane	7.828	6.032	22.9	93	0.00	5.23

(#) = Out of Range SPCC's out = 0 CCC's out = 0
5w55466.D M5w2125.M Mon Dec 09 14:42:33 2024

Continuing Calibration Summary

Job Number: JE2487 **Sample:** V5W2132-CC2125
Account: GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55664.D
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\5w55664.D Vial: 1
Acq On : 16 Dec 2024 1:21 pm Operator: thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS87926,V5W2132,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P

Method : C:\msdchem\1\methods\M5w2125.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Dec 09 14:21:09 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 140%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	BROMOCHLOROMETHANE	1.000	1.000	0.0	95	0.00	7.67
2	FREON 115	1.369	1.509	-10.2	86	0.00	3.47
3	FREON 152A	0.740	0.803	-8.5	101	0.00	3.55
4	CHLORODIFLUOROMETHANE	0.384	0.487	-26.8	114	0.00	3.58
5	CHLOROTRIFLUOROETHENE	1.732	1.533	11.5	84	0.00	3.61
6	DICHLORODIFLUOROMETHANE	3.654	4.132	-13.1	104	0.00	3.66
7	PROPYLENE	0.920	0.943	-2.5	104	0.00	3.60
8	1-CHLORO-1,1-DIFLUOROETHA	3.742	4.183	-11.8	106	0.00	3.76
9	FREON 114	4.483	4.708	-5.0	99	0.00	3.85
10	CHLOROMETHANE	0.471	0.394	16.3	81	0.00	3.78
11	VINYL CHLORIDE	1.659	1.632	1.6	95	0.00	3.93
12	1,3-BUTADIENE	1.114	0.977	12.3	87	0.00	4.03
13	n-BUTANE	2.136	1.897	11.2	90	0.00	4.07
14	BROMOMETHANE	1.749	1.632	6.7	95	0.00	4.23
15	CHLOROETHANE	0.758	0.760	-0.3	100	0.00	4.36
16	DICHLOROFLUOROMETHANE	3.748	4.011	-7.0	107	0.00	4.42
17	ACETONITRILE	1.234	1.125	8.8	91	0.00	4.62
18	ACROLEIN	0.539	0.523	3.0	91	0.00	4.71
19	FREON 123	3.773	3.893	-3.2	102	0.00	4.74
20	FREON 123A	2.006	1.871	6.7	90	0.00	4.78
21	TRICHLOROFLUOROMETHANE	3.377	3.700	-9.6	104	0.00	4.95
22	ISOPROPYL ALCOHOL	2.140	2.237	-4.5	100	0.00	5.03
23	ACETONE	0.807	0.624	22.7	91	0.00	4.82
24	PENTANE	1.063	1.144	-7.6	101	0.00	5.23
25	IODOMETHANE	2.817	3.120	-10.8	100	0.00	5.42
26	1,1-DICHLOROETHYLENE	1.047	1.134	-8.3	101	0.00	5.48
27	CARBON DISULFIDE	3.028	3.575	-18.1	106	0.00	5.85
28	ETHANOL	0.784	0.675	13.9	82	0.00	4.46
29	BROMOETHENE	1.490	1.431	4.0	90	0.00	4.62
30	ACRYLONITRILE	0.838	0.660	21.2	93	0.00	5.20
31	METHYLENE CHLORIDE	1.049	1.099	-4.8	102	0.00	5.59
32	3-CHLOROPROPENE	0.484	0.581	-20.0	106	0.00	5.69
33	FREON 113	1.740	1.994	-14.6	107	0.00	5.82
34	TRANS-1,2-DICHLOROETHYLEN	1.106	1.210	-9.4	101	0.00	6.45
35	TERTIARY BUTYL ALCOHOL	2.013	2.500	-24.2	105	0.00	5.55
36	METHYL TERTIARY BUTYL ETH	2.835	3.591	-26.7	110	0.00	6.71
37	TETRAHYDROFURAN	0.434	0.578	-33.2#	108	0.00	8.24
38	HEXANE	1.567	1.727	-10.2	96	0.00	7.71
39	VINYL ACETATE	0.179	0.218	-21.8	103	0.00	6.81
40	1,1-DICHLOROETHANE	2.056	2.342	-13.9	104	0.00	6.65
41	METHYL ETHYL KETONE	0.434	0.581	-33.9#	106	0.00	7.06
42	cis-1,2-DICHLOROETHYLENE	1.148	1.257	-9.5	100	0.00	7.50

Continuing Calibration Summary

Job Number: JE2487 **Sample:** V5W2132-CC2125
Account: GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55664.D
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

43		DIISOPROPYL ETHER	0.476	0.546	-14.7	100	0.00	7.72
44		ETHYL ACETATE	0.320	0.411	-28.4	103	0.00	7.75
45		METHYL ACRYLATE	1.905	2.129	-11.8	98	0.00	7.73
46		CHLOROFORM	2.567	2.995	-16.7	108	0.00	7.81
47		2,4-DIMETHYLPENTANE	1.714	1.995	-16.4	100	0.00	8.66
48		1,1,1-TRICHLOROETHANE	2.607	3.019	-15.8	107	0.00	8.87
49		CARBON TETRACHLORIDE	2.755	3.105	-12.7	102	0.00	9.57
50		1,2-DICHLOROETHANE	1.670	2.143	-28.3	115	0.00	8.60
51	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	99	0.00	9.83
52		BENZENE	0.725	0.799	-10.2	104	0.00	9.40
53		CYCLOHEXANE	0.272	0.319	-17.3	105	0.00	9.70
54		2,3-DIMETHYLPENTANE	0.147	0.171	-16.3	107	0.00	10.00
55		TRICHLOROETHYLENE	0.382	0.407	-6.5	103	0.00	10.65
56		1,2-DICHLOROPROPANE	0.308	0.324	-5.2	103	0.00	10.36
57		DIBROMOMETHANE	0.374	0.439	-17.4	124	0.00	10.33
58		ETHYL ACRYLATE	0.485	0.574	-18.4	101	0.00	10.41
59		BROMODICHLOROMETHANE	0.667	0.785	-17.7	110	0.00	10.61
60		2,2,4-TRIMETHYLPENTANE	1.101	1.197	-8.7	98	0.00	10.68
61		1,4-DIOXANE	0.169	0.187	-10.7	100	0.00	10.67
62		HEPTANE	0.384	0.434	-13.0	103	0.00	11.03
63		METHYL METHACRYLATE	0.241	0.302	-25.3	109	0.00	10.94
64		METHYL ISOBUTYL KETONE	0.205	0.241	-17.6	102	0.00	11.79
65		cis-1,3-DICHLOROPROPENE	0.467	0.570	-22.1	108	0.00	11.73
66		TOLUENE	0.507	0.558	-10.1	99	0.00	12.96
67		1,3-DICHLOROPROPANE	0.446	0.515	-15.5	106	0.00	13.00
68		trans-1,3-DICHLOROPROPENE	0.430	0.547	-27.2	108	0.00	12.40
69		1,1,2-TRICHLOROETHANE	0.306	0.334	-9.2	105	0.00	12.61
70	I	CHLOROBENZENE-D5	1.000	1.000	0.0	113	0.00	15.35
71		2-HEXANONE	0.472	0.526	-11.4	101	0.00	13.36
72		ETHYL METHACRYLATE	0.691	0.812	-17.5	108	0.00	13.39
73		TETRACHLOROETHYLENE	0.653	0.653	0.0	113	0.00	14.47
74		DIBROMOCHLOROMETHANE	1.062	1.013	4.6	92	0.00	13.51
75		1,2-DIBROMOETHANE	0.881	0.800	9.2	93	0.00	13.82
76		OCTANE	0.878	0.951	-8.3	103	0.00	14.32
77		1,1,1,2-TETRACHLOROETHANE	0.733	0.628	14.3	91	0.00	15.39
78		CHLOROBENZENE	1.287	1.071	16.8	91	0.00	15.41
79		ETHYLBENZENE	1.844	1.878	-1.8	101	0.00	15.96
80		m,p-XYLENE	0.700	0.656	6.3	91	0.00	16.23
81		o-XYLENE	0.679	0.636	6.3	91	0.00	16.90
82		STYRENE	0.974	0.975	-0.1	92	0.00	16.75
83		NONANE	0.917	1.005	-9.6	105	0.00	17.31
84		BROMOFORM	1.087	1.349	-24.1	123	0.00	16.29
85	S	4-BROMOFLUOROBENZENE	1.119	1.107	1.1	110	0.00	17.59
86		1,1,2,2-TETRACHLOROETHANE	1.365	1.338	2.0	102	0.00	16.90
87		1,2,3-TRICHLOROPROPANE	0.986	0.982	0.4	106	0.00	17.10
88		ISOPROPYLBENZENE	2.101	1.922	8.5	92	0.00	17.81
89		BROMOBENZENE	1.187	1.167	1.7	106	0.00	17.90
90		2-CHLOROTOLUENE	0.526	0.464	11.8	88	0.00	18.55
91		n-PROPYLBENZENE	0.533	0.485	9.0	87	0.00	18.63
92		4-ETHYLTOLUENE	1.939	1.920	1.0	93	0.00	18.88
93		1,3,5-TRIMETHYLBENZENE	1.657	1.590	4.0	91	0.00	19.01
94		ALPHA-METHYLSTYRENE	0.895	0.780	12.8	87	0.00	19.26
95		tert-BUTYLBENZENE	0.362	0.310	14.4	85	0.00	19.61
96		1,2,4-TRIMETHYLBENZENE	1.739	1.707	1.8	91	0.00	19.62
97		m-DICHLOROBENZENE	1.369	1.263	7.7	93	0.00	19.81
98		BENZYL CHLORIDE	1.866	1.884	-1.0	98	0.00	19.81
99		p-DICHLOROBENZENE	1.278	1.172	8.3	93	0.00	19.92
100		sec-BUTYLBENZENE	0.432	0.385	10.9	87	0.00	20.01

Continuing Calibration Summary

Job Number: JE2487 **Sample:** V5W2132-CC2125
Account: GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55664.D
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

101		1,2,3-TRIMETHYLBENZENE	1.766	1.714	2.9	92	0.00	20.23
102		p-ISOPROPYLTOLUENE	0.507	0.444	12.4	85	0.00	20.26
103		o-DICHLOROBENZENE	1.243	1.127	9.3	94	0.00	20.40
104		n-BUTYLBENZENE	0.467	0.429	8.1	85	0.00	20.85
105		HEXACHLOROETHANE	0.870	0.882	-1.4	97	0.00	21.31
106		HEXACHLOROBUTADIENE	1.169	1.826	-56.2#	154#	-0.12	23.25
107		1,2,4-TRICHLOROBENZENE	1.107	1.256	-13.5	117	-0.10	23.12
108		NAPHTHALENE	2.431	2.128	12.5	84	-0.09	22.80
109	I	BROMOCHLOROMETHANE (A)	1.000	1.000	0.0	95	0.00	7.67
110		TVHC as equiv Pentane	7.828	7.503	4.2	102	0.00	5.23

(#) = Out of Range SPCC's out = 0 CCC's out = 0
5w55466.D M5w2125.M Mon Dec 16 17:23:33 2024

6.9.6

Continuing Calibration Summary

Job Number: JE2487 **Sample:** V5W2133-CC2125
Account: GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55700.D
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\g...024\V5W2133\5w55700.D Vial: 1
Acq On : 17 Dec 2024 8:32 pm Operator: thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P

Method : C:\msdchem\1\methods\M5w2125.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Dec 09 14:21:09 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 140%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	BROMOCHLOROMETHANE	1.000	1.000	0.0	84	0.00	7.67
2	FREON 115	1.369	1.616	-18.0	81	0.00	3.47
3	FREON 152A	0.740	0.821	-10.9	91	0.00	3.55
4	CHLORODIFLUOROMETHANE	0.384	0.465	-21.1	96	0.00	3.58
5	CHLOROTRIFLUOROETHENE	1.732	1.629	5.9	78	0.00	3.61
6	DICHLORODIFLUOROMETHANE	3.654	4.113	-12.6	91	0.00	3.66
7	PROPYLENE	0.920	1.032	-12.2	100	0.00	3.60
8	1-CHLORO-1,1-DIFLUOROETHA	3.742	4.360	-16.5	97	0.00	3.75
9	FREON 114	4.483	4.805	-7.2	89	0.00	3.84
10	CHLOROMETHANE	0.471	0.474	-0.6	86	0.00	3.77
11	VINYL CHLORIDE	1.659	1.714	-3.3	87	0.00	3.93
12	1,3-BUTADIENE	1.114	1.073	3.7	84	0.00	4.03
13	n-BUTANE	2.136	2.200	-3.0	92	0.00	4.07
14	BROMOMETHANE	1.749	1.690	3.4	87	0.00	4.23
15	CHLOROETHANE	0.758	0.740	2.4	85	0.00	4.35
16	DICHLOROFLUOROMETHANE	3.748	3.935	-5.0	92	0.00	4.42
17	ACETONITRILE	1.234	1.331	-7.9	95	0.00	4.62
18	ACROLEIN	0.539	0.585	-8.5	90	0.00	4.71
19	FREON 123	3.773	4.021	-6.6	92	0.00	4.73
20	FREON 123A	2.006	2.013	-0.3	85	0.00	4.78
21	TRICHLOROFLUOROMETHANE	3.377	3.683	-9.1	91	0.00	4.94
22	ISOPROPYL ALCOHOL	2.140	2.334	-9.1	92	0.00	5.03
23	ACETONE	0.807	0.651	19.3	84	0.00	4.82
24	PENTANE	1.063	1.238	-16.5	96	0.00	5.23
25	IODOMETHANE	2.817	3.362	-19.3	95	0.00	5.42
26	1,1-DICHLOROETHYLENE	1.047	1.155	-10.3	90	0.00	5.48
27	CARBON DISULFIDE	3.028	3.682	-21.6	96	0.00	5.85
28	ETHANOL	0.784	0.789	-0.6	84	0.00	4.45
29	BROMOETHENE	1.490	1.544	-3.6	85	0.00	4.62
30	ACRYLONITRILE	0.838	0.729	13.0	91	0.00	5.20
31	METHYLENE CHLORIDE	1.049	1.130	-7.7	93	0.00	5.59
32	3-CHLOROPROPENE	0.484	0.599	-23.8	96	0.00	5.69
33	FREON 113	1.740	2.151	-23.6	102	0.00	5.82
34	TRANS-1,2-DICHLOROETHYLEN	1.106	1.218	-10.1	90	0.00	6.45
35	TERTIARY BUTYL ALCOHOL	2.013	2.534	-25.9	93	0.00	5.54
36	METHYL TERTIARY BUTYL ETH	2.835	3.531	-24.6	95	0.00	6.71
37	TETRAHYDROFURAN	0.434	0.582	-34.1#	95	0.00	8.24
38	HEXANE	1.567	1.867	-19.1	92	0.00	7.70
39	VINYL ACETATE	0.179	0.213	-19.0	89	0.00	6.81
40	1,1-DICHLOROETHANE	2.056	2.409	-17.2	94	0.00	6.65
41	METHYL ETHYL KETONE	0.434	0.591	-36.2#	95	0.00	7.05
42	cis-1,2-DICHLOROETHYLENE	1.148	1.282	-11.7	90	0.00	7.50

Continuing Calibration Summary

Job Number: JE2487 **Sample:** V5W2133-CC2125
Account: GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55700.D
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

43		DIISOPROPYL ETHER	0.476	0.568	-19.3	91	0.00	7.72
44		ETHYL ACETATE	0.320	0.430	-34.4#	95	0.00	7.75
45		METHYL ACRYLATE	1.905	2.409	-26.5	97	0.00	7.73
46		CHLOROFORM	2.567	3.047	-18.7	97	0.00	7.81
47		2,4-DIMETHYLPENTANE	1.714	2.103	-22.7	92	0.00	8.66
48		1,1,1-TRICHLOROETHANE	2.607	3.046	-16.8	95	0.00	8.87
49		CARBON TETRACHLORIDE	2.755	3.193	-15.9	93	0.00	9.57
50		1,2-DICHLOROETHANE	1.670	2.148	-28.6	101	0.00	8.60
51	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	87	0.00	9.83
52		BENZENE	0.725	0.806	-11.2	93	0.00	9.39
53		CYCLOHEXANE	0.272	0.313	-15.1	91	0.00	9.70
54		2,3-DIMETHYLPENTANE	0.147	0.171	-16.3	95	0.00	10.00
55		TRICHLOROETHYLENE	0.382	0.406	-6.3	91	0.00	10.65
56		1,2-DICHLOROPROPANE	0.308	0.329	-6.8	93	0.00	10.35
57		DIBROMOMETHANE	0.374	0.462	-23.5	115	0.00	10.33
58		ETHYL ACRYLATE	0.485	0.633	-30.5#	99	0.00	10.41
59		BROMODICHLOROMETHANE	0.667	0.790	-18.4	98	0.00	10.60
60		2,2,4-TRIMETHYLPENTANE	1.101	1.269	-15.3	92	0.00	10.68
61		1,4-DIOXANE	0.169	0.189	-11.8	90	0.00	10.67
62		HEPTANE	0.384	0.476	-24.0	100	0.00	11.03
63		METHYL METHACRYLATE	0.241	0.303	-25.7	97	0.00	10.94
64		METHYL ISOBUTYL KETONE	0.205	0.248	-21.0	93	0.00	11.79
65		cis-1,3-DICHLOROPROPENE	0.467	0.570	-22.1	96	0.00	11.72
66		TOLUENE	0.507	0.551	-8.7	87	0.00	12.96
67		1,3-DICHLOROPROPANE	0.446	0.516	-15.7	94	0.00	13.00
68		trans-1,3-DICHLOROPROPENE	0.430	0.542	-26.0	95	0.00	12.40
69		1,1,2-TRICHLOROETHANE	0.306	0.338	-10.5	94	0.00	12.61
70	I	CHLOROBENZENE-D5	1.000	1.000	0.0	95	0.00	15.35
71		2-HEXANONE	0.472	0.575	-21.8	92	0.00	13.36
72		ETHYL METHACRYLATE	0.691	0.859	-24.3	96	0.00	13.39
73		TETRACHLOROETHYLENE	0.653	0.715	-9.5	103	0.00	14.47
74		DIBROMOCHLOROMETHANE	1.062	1.099	-3.5	84	0.00	13.51
75		1,2-DIBROMOETHANE	0.881	0.901	-2.3	87	0.00	13.82
76		OCTANE	0.878	1.107	-26.1	101	0.00	14.32
77		1,1,1,2-TETRACHLOROETHANE	0.733	0.698	4.8	84	0.00	15.39
78		CHLOROBENZENE	1.287	1.199	6.8	85	0.00	15.40
79		ETHYLBENZENE	1.844	2.000	-8.5	89	0.00	15.96
80		m,p-XYLENE	0.700	0.722	-3.1	84	0.00	16.23
81		o-XYLENE	0.679	0.712	-4.9	85	0.00	16.90
82		STYRENE	0.974	1.083	-11.2	85	0.00	16.75
83		NONANE	0.917	1.169	-27.5	102	0.00	17.31
84		BROMOFORM	1.087	1.501	-38.1#	115	0.00	16.29
85	S	4-BROMOFLUOROBENZENE	1.119	1.131	-1.1	94	0.00	17.59
86		1,1,2,2-TETRACHLOROETHANE	1.365	1.454	-6.5	93	0.00	16.90
87		1,2,3-TRICHLOROPROPANE	0.986	1.059	-7.4	95	0.00	17.10
88		ISOPROPYLBENZENE	2.101	2.126	-1.2	85	0.00	17.81
89		BROMOBENZENE	1.187	1.257	-5.9	95	0.00	17.90
90		2-CHLOROTOLUENE	0.526	0.529	-0.6	84	0.00	18.55
91		n-PROPYLBENZENE	0.533	0.549	-3.0	82	0.00	18.63
92		4-ETHYLTOLUENE	1.939	2.116	-9.1	86	0.00	18.88
93		1,3,5-TRIMETHYLBENZENE	1.657	1.768	-6.7	85	0.00	19.01
94		ALPHA-METHYLSTYRENE	0.895	0.874	2.3	82	0.00	19.25
95		tert-BUTYLBENZENE	0.362	0.355	1.9	81	0.00	19.61
96		1,2,4-TRIMETHYLBENZENE	1.739	1.921	-10.5	86	0.00	19.62
97		m-DICHLOROBENZENE	1.369	1.467	-7.2	90	0.00	19.81
98		BENZYL CHLORIDE	1.866	2.070	-10.9	90	0.00	19.81
99		p-DICHLOROBENZENE	1.278	1.361	-6.5	91	0.00	19.92
100		sec-BUTYLBENZENE	0.432	0.431	0.2	81	0.00	20.01

Continuing Calibration Summary

Job Number: JE2487 **Sample:** V5W2133-CC2125
Account: GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55700.D
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

101		1,2,3-TRIMETHYLBENZENE	1.766	1.920	-8.7	86	0.00	20.23
102		p-ISOPROPYLTOLUENE	0.507	0.506	0.2	81	0.00	20.26
103		o-DICHLOROBENZENE	1.243	1.301	-4.7	91	0.00	20.40
104		n-BUTYLBENZENE	0.467	0.491	-5.1	82	0.00	20.85
105		HEXACHLOROETHANE	0.870	0.996	-14.5	92	0.00	21.32
106		HEXACHLOROBUTADIENE	1.169	1.903	-62.8#	134	0.00	23.36
107		1,2,4-TRICHLOROBENZENE	1.107	1.545	-39.6#	120	0.00	23.21
108		NAPHTHALENE	2.431	2.518	-3.6	83	0.00	22.88
109	I	BROMOCHLOROMETHANE (A)	1.000	1.000	0.0	84	0.00	7.67
110		TVHC as equiv Pentane	7.828	8.146	-4.1	97	0.00	5.23

(#) = Out of Range SPCC's out = 0 CCC's out = 0
5w55466.D M5w2125.M Wed Dec 18 19:06:51 2024

Continuing Calibration Summary

Job Number: JE2487 **Sample:** V5W2135-CC2125
Account: GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55752.D
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\g...024\V5w2135\5w55752.D Vial: 1
Acq On : 19 Dec 2024 4:21 pm Operator: thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2135,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P

Method : C:\msdchem\1\methods\M5w2125.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Dec 09 14:21:09 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 140%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	BROMOCHLOROMETHANE	1.000	1.000	0.0	95	0.00	7.67
2	FREON 115	1.369	1.660	-21.3	94	0.00	3.46
3	FREON 152A	0.740	0.882	-19.2	111	0.00	3.54
4	CHLORODIFLUOROMETHANE	0.384	0.486	-26.6	114	0.00	3.58
5	CHLOROTRIFLUOROETHENE	1.732	1.748	-0.9	95	0.00	3.60
6	DICHLORODIFLUOROMETHANE	3.654	4.404	-20.5	111	0.00	3.65
7	PROPYLENE	0.920	1.106	-20.2	122	0.00	3.59
8	1-CHLORO-1,1-DIFLUOROETHA	3.742	4.432	-18.4	112	0.00	3.75
9	FREON 114	4.483	5.010	-11.8	106	0.00	3.84
10	CHLOROMETHANE	0.471	0.492	-4.5	101	0.00	3.77
11	VINYL CHLORIDE	1.659	1.776	-7.1	103	0.00	3.92
12	1,3-BUTADIENE	1.114	1.112	0.2	99	0.00	4.02
13	n-BUTANE	2.136	2.269	-6.2	108	0.00	4.06
14	BROMOMETHANE	1.749	1.754	-0.3	102	0.00	4.22
15	CHLOROETHANE	0.758	0.782	-3.2	103	0.00	4.35
16	DICHLOROFLUOROMETHANE	3.748	4.030	-7.5	107	0.00	4.42
17	ACETONITRILE	1.234	1.353	-9.6	110	0.00	4.62
18	ACROLEIN	0.539	0.590	-9.5	103	0.00	4.71
19	FREON 123	3.773	4.134	-9.6	108	0.00	4.73
20	FREON 123A	2.006	2.080	-3.7	100	0.00	4.78
21	TRICHLOROFLUOROMETHANE	3.377	4.029	-19.3	113	0.00	4.94
22	ISOPROPYL ALCOHOL	2.140	2.576	-20.4	115	0.00	5.03
23	ACETONE	0.807	0.666	17.5	97	0.00	4.82
24	PENTANE	1.063	1.322	-24.4	117	0.00	5.23
25	IODOMETHANE	2.817	3.408	-21.0	110	0.00	5.41
26	1,1-DICHLOROETHYLENE	1.047	1.176	-12.3	105	0.00	5.48
27	CARBON DISULFIDE	3.028	3.764	-24.3	112	0.00	5.85
28	ETHANOL	0.784	0.848	-8.2	103	0.00	4.45
29	BROMOETHENE	1.490	1.629	-9.3	102	0.00	4.62
30	ACRYLONITRILE	0.838	0.770	8.1	109	0.00	5.20
31	METHYLENE CHLORIDE	1.049	1.139	-8.6	106	0.00	5.59
32	3-CHLOROPROPENE	0.484	0.608	-25.6	111	0.00	5.69
33	FREON 113	1.740	2.172	-24.8	117	0.00	5.82
34	TRANS-1,2-DICHLOROETHYLEN	1.106	1.242	-12.3	104	0.00	6.45
35	TERTIARY BUTYL ALCOHOL	2.013	2.607	-29.5	109	0.00	5.54
36	METHYL TERTIARY BUTYL ETH	2.835	3.690	-30.2#	113	0.00	6.71
37	TETRAHYDROFURAN	0.434	0.597	-37.6#	111	0.00	8.24
38	HEXANE	1.567	1.974	-26.0	110	0.00	7.70
39	VINYL ACETATE	0.179	0.232	-29.6	109	0.00	6.80
40	1,1-DICHLOROETHANE	2.056	2.483	-20.8	111	0.00	6.65
41	METHYL ETHYL KETONE	0.434	0.606	-39.6#	111	0.00	7.05
42	cis-1,2-DICHLOROETHYLENE	1.148	1.309	-14.0	104	0.00	7.49

Continuing Calibration Summary

Job Number: JE2487 **Sample:** V5W2135-CC2125
Account: GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55752.D
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

43		DIISOPROPYL ETHER	0.476	0.591	-24.2	108	0.00	7.71
44		ETHYL ACETATE	0.320	0.452	-41.3#	114	0.00	7.74
45		METHYL ACRYLATE	1.905	2.519	-32.2#	115	0.00	7.73
46		CHLOROFORM	2.567	3.143	-22.4	113	0.00	7.81
47		2,4-DIMETHYLPENTANE	1.714	2.221	-29.6	111	0.00	8.66
48		1,1,1-TRICHLOROETHANE	2.607	3.124	-19.8	111	0.00	8.87
49		CARBON TETRACHLORIDE	2.755	3.301	-19.8	109	0.00	9.56
50		1,2-DICHLOROETHANE	1.670	2.216	-32.7#	119	0.00	8.60
51	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	99	0.00	9.83
52		BENZENE	0.725	0.844	-16.4	111	0.00	9.39
53		CYCLOHEXANE	0.272	0.327	-20.2	108	0.00	9.69
54		2,3-DIMETHYLPENTANE	0.147	0.181	-23.1	114	0.00	9.99
55		TRICHLOROETHYLENE	0.382	0.420	-9.9	107	0.00	10.65
56		1,2-DICHLOROPROPANE	0.308	0.347	-12.7	111	0.00	10.35
57		DIBROMOMETHANE	0.374	0.483	-29.1	137	0.00	10.33
58		ETHYL ACRYLATE	0.485	0.665	-37.1#	118	0.00	10.41
59		BROMODICHLOROMETHANE	0.667	0.820	-22.9	116	0.00	10.60
60		2,2,4-TRIMETHYLPENTANE	1.101	1.338	-21.5	110	0.00	10.68
61		1,4-DIOXANE	0.169	0.198	-17.2	107	-0.01	10.66
62		HEPTANE	0.384	0.499	-29.9	119	0.00	11.03
63		METHYL METHACRYLATE	0.241	0.319	-32.4#	116	0.00	10.94
64		METHYL ISOBUTYL KETONE	0.205	0.259	-26.3	111	0.00	11.79
65		cis-1,3-DICHLOROPROPENE	0.467	0.598	-28.1	114	0.00	11.73
66		TOLUENE	0.507	0.580	-14.4	104	0.00	12.95
67		1,3-DICHLOROPROPANE	0.446	0.542	-21.5	112	0.00	13.00
68		trans-1,3-DICHLOROPROPENE	0.430	0.569	-32.3#	113	0.00	12.40
69		1,1,2-TRICHLOROETHANE	0.306	0.355	-16.0	112	0.00	12.61
70	I	CHLOROBENZENE-D5	1.000	1.000	0.0	110	0.00	15.34
71		2-HEXANONE	0.472	0.603	-27.8	112	-0.01	13.35
72		ETHYL METHACRYLATE	0.691	0.892	-29.1	115	0.00	13.38
73		TETRACHLOROETHYLENE	0.653	0.735	-12.6	123	0.00	14.46
74		DIBROMOCHLOROMETHANE	1.062	1.134	-6.8	100	0.00	13.51
75		1,2-DIBROMOETHANE	0.881	0.917	-4.1	103	0.00	13.82
76		OCTANE	0.878	1.148	-30.8#	121	0.00	14.33
77		1,1,1,2-TETRACHLOROETHANE	0.733	0.712	2.9	100	0.00	15.38
78		CHLOROBENZENE	1.287	1.222	5.1	100	0.00	15.40
79		ETHYLBENZENE	1.844	2.044	-10.8	106	0.00	15.95
80		m,p-XYLENE	0.700	0.740	-5.7	100	0.00	16.23
81		o-XYLENE	0.679	0.722	-6.3	99	0.00	16.89
82		STYRENE	0.974	1.099	-12.8	100	0.00	16.75
83		NONANE	0.917	1.205	-31.4#	122	0.00	17.30
84		BROMOFORM	1.087	1.547	-42.3#	137	0.00	16.28
85	S	4-BROMOFLUOROBENZENE	1.119	1.108	1.0	107	0.00	17.59
86		1,1,2,2-TETRACHLOROETHANE	1.365	1.488	-9.0	110	0.00	16.90
87		1,2,3-TRICHLOROPROPANE	0.986	1.068	-8.3	111	0.00	17.09
88		ISOPROPYLBENZENE	2.101	2.181	-3.8	102	0.00	17.81
89		BROMOBENZENE	1.187	1.281	-7.9	112	0.00	17.90
90		2-CHLOROTOLUENE	0.526	0.535	-1.7	98	0.00	18.54
91		n-PROPYLBENZENE	0.533	0.553	-3.8	96	0.00	18.63
92		4-ETHYLTOLUENE	1.939	2.140	-10.4	100	0.00	18.88
93		1,3,5-TRIMETHYLBENZENE	1.657	1.780	-7.4	99	0.00	19.01
94		ALPHA-METHYLSTYRENE	0.895	0.888	0.8	96	0.00	19.25
95		tert-BUTYLBENZENE	0.362	0.362	0.0	96	0.00	19.61
96		1,2,4-TRIMETHYLBENZENE	1.739	1.953	-12.3	101	0.00	19.62
97		m-DICHLOROBENZENE	1.369	1.490	-8.8	106	0.00	19.81
98		BENZYL CHLORIDE	1.866	2.061	-10.5	103	0.00	19.81
99		p-DICHLOROBENZENE	1.278	1.366	-6.9	105	0.00	19.92
100		sec-BUTYLBENZENE	0.432	0.436	-0.9	95	0.00	20.01

Continuing Calibration Summary

Job Number: JE2487 **Sample:** V5W2135-CC2125
Account: GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55752.D
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

101		1,2,3-TRIMETHYLBENZENE	1.766	1.929	-9.2	100	0.00	20.23
102		p-ISOPROPYLTOLUENE	0.507	0.508	-0.2	94	0.00	20.26
103		o-DICHLOROBENZENE	1.243	1.298	-4.4	105	0.00	20.40
104		n-BUTYLBENZENE	0.467	0.489	-4.7	94	0.00	20.85
105		HEXACHLOROETHANE	0.870	0.995	-14.4	106	0.00	21.31
106		HEXACHLOROBUTADIENE	1.169	1.877	-60.6#	153#	-0.12	23.25
107		1,2,4-TRICHLOROBENZENE	1.107	1.517	-37.0#	137	-0.10	23.12
108		NAPHTHALENE	2.431	2.441	-0.4	93	-0.09	22.80
109	I	BROMOCHLOROMETHANE (A)	1.000	1.000	0.0	95	0.00	7.67
110		TVHC as equiv Pentane	7.828	8.517	-8.8	115	0.00	5.23

(#) = Out of Range SPCC's out = 0 CCC's out = 0
5w55466.D M5w2125.M Fri Dec 20 13:43:47 2024

Continuing Calibration Summary

Job Number: JE2487 **Sample:** V5W2138-CC2125
Account: GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55819.D
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\g...024\V5w2138\5w55819.D Vial: 1
Acq On : 23 Dec 2024 9:11 am Operator: thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P

Method : C:\msdchem\1\methods\M5w2125.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Dec 09 14:21:09 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 140%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	BROMOCHLOROMETHANE	1.000	1.000	0.0	78	0.00	7.67
2	FREON 115	1.369	1.576	-15.1	73	0.00	3.47
3	FREON 152A	0.740	0.755	-2.0	77	0.00	3.55
4	CHLORODIFLUOROMETHANE	0.384	0.424	-10.4	81	0.00	3.58
5	CHLOROTRIFLUOROETHENE	1.732	1.650	4.7	73	0.00	3.61
6	DICHLORODIFLUOROMETHANE	3.654	3.849	-5.3	79	0.00	3.66
7	PROPYLENE	0.920	0.899	2.3	81	0.00	3.60
8	1-CHLORO-1,1-DIFLUOROETHA	3.742	4.017	-7.3	83	0.00	3.75
9	FREON 114	4.483	4.880	-8.9	84	0.00	3.84
10	CHLOROMETHANE	0.471	0.457	3.0	77	0.00	3.77
11	VINYL CHLORIDE	1.659	1.758	-6.0	83	0.00	3.93
12	1,3-BUTADIENE	1.114	1.101	1.2	80	0.00	4.03
13	n-BUTANE	2.136	2.183	-2.2	85	0.00	4.07
14	BROMOMETHANE	1.749	1.720	1.7	82	0.00	4.23
15	CHLOROETHANE	0.758	0.767	-1.2	82	0.00	4.35
16	DICHLOROFLUOROMETHANE	3.748	3.850	-2.7	83	0.00	4.42
17	ACETONITRILE	1.234	1.281	-3.8	85	0.00	4.62
18	ACROLEIN	0.539	0.573	-6.3	82	0.00	4.71
19	FREON 123	3.773	3.934	-4.3	84	0.00	4.73
20	FREON 123A	2.006	2.004	0.1	79	0.00	4.78
21	TRICHLOROFLUOROMETHANE	3.377	3.559	-5.4	81	0.00	4.94
22	ISOPROPYL ALCOHOL	2.140	2.115	1.2	77	-0.01	5.02
23	ACETONE	0.807	0.643	20.3	77	0.00	4.82
24	PENTANE	1.063	1.069	-0.6	77	0.00	5.23
25	IODOMETHANE	2.817	3.248	-15.3	85	0.00	5.41
26	1,1-DICHLOROETHYLENE	1.047	1.054	-0.7	77	0.00	5.48
27	CARBON DISULFIDE	3.028	3.246	-7.2	79	0.00	5.85
28	ETHANOL	0.784	0.816	-4.1	81	0.00	4.45
29	BROMOETHENE	1.490	1.553	-4.2	79	0.00	4.62
30	ACRYLONITRILE	0.838	0.640	23.6	74	0.00	5.20
31	METHYLENE CHLORIDE	1.049	1.011	3.6	77	0.00	5.59
32	3-CHLOROPROPENE	0.484	0.533	-10.1	79	0.00	5.69
33	FREON 113	1.740	2.113	-21.4	93	0.00	5.82
34	TRANS-1,2-DICHLOROETHYLEN	1.106	1.113	-0.6	76	0.00	6.45
35	TERTIARY BUTYL ALCOHOL	2.013	2.233	-10.9	76	0.00	5.54
36	METHYL TERTIARY BUTYL ETH	2.835	3.237	-14.2	81	-0.01	6.70
37	TETRAHYDROFURAN	0.434	0.537	-23.7	82	-0.01	8.23
38	HEXANE	1.567	1.618	-3.3	74	0.00	7.70
39	VINYL ACETATE	0.179	0.207	-15.6	80	0.00	6.80
40	1,1-DICHLOROETHANE	2.056	2.126	-3.4	77	0.00	6.64
41	METHYL ETHYL KETONE	0.434	0.541	-24.7	81	0.00	7.05
42	cis-1,2-DICHLOROETHYLENE	1.148	1.169	-1.8	76	0.00	7.49

Continuing Calibration Summary

Job Number: JE2487 **Sample:** V5W2138-CC2125
Account: GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55819.D
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

43		DIISOPROPYL ETHER	0.476	0.509	-6.9	76	0.00	7.71
44		ETHYL ACETATE	0.320	0.366	-14.4	75	0.00	7.74
45		METHYL ACRYLATE	1.905	2.072	-8.8	78	0.00	7.73
46		CHLOROFORM	2.567	2.723	-6.1	80	0.00	7.80
47		2,4-DIMETHYLPENTANE	1.714	1.853	-8.1	75	0.00	8.66
48		1,1,1-TRICHLOROETHANE	2.607	2.720	-4.3	79	0.00	8.87
49		CARBON TETRACHLORIDE	2.755	2.922	-6.1	79	0.00	9.56
50		1,2-DICHLOROETHANE	1.670	1.865	-11.7	82	0.00	8.60
51	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	81	0.00	9.83
52		BENZENE	0.725	0.750	-3.4	80	0.00	9.39
53		CYCLOHEXANE	0.272	0.299	-9.9	80	0.00	9.69
54		2,3-DIMETHYLPENTANE	0.147	0.161	-9.5	82	0.00	9.99
55		TRICHLOROETHYLENE	0.382	0.378	1.0	78	-0.01	10.64
56		1,2-DICHLOROPROPANE	0.308	0.300	2.6	78	0.00	10.35
57		DIBROMOMETHANE	0.374	0.481	-28.6	111	0.00	10.33
58		ETHYL ACRYLATE	0.485	0.554	-14.2	80	-0.01	10.40
59		BROMODICHLOROMETHANE	0.667	0.711	-6.6	82	0.00	10.60
60		2,2,4-TRIMETHYLPENTANE	1.101	1.115	-1.3	74	0.00	10.68
61		1,4-DIOXANE	0.169	0.178	-5.3	78	-0.01	10.66
62		HEPTANE	0.384	0.419	-9.1	81	0.00	11.02
63		METHYL METHACRYLATE	0.241	0.280	-16.2	83	0.00	10.93
64		METHYL ISOBUTYL KETONE	0.205	0.226	-10.2	79	-0.01	11.78
65		cis-1,3-DICHLOROPROPENE	0.467	0.529	-13.3	82	0.00	11.73
66		TOLUENE	0.507	0.535	-5.5	78	0.00	12.95
67		1,3-DICHLOROPROPANE	0.446	0.477	-7.0	80	-0.01	13.00
68		trans-1,3-DICHLOROPROPENE	0.430	0.501	-16.5	81	-0.01	12.40
69		1,1,2-TRICHLOROETHANE	0.306	0.311	-1.6	80	0.00	12.61
70	I	CHLOROBENZENE-D5	1.000	1.000	0.0	84	0.00	15.34
71		2-HEXANONE	0.472	0.549	-16.3	78	-0.01	13.35
72		ETHYL METHACRYLATE	0.691	0.834	-20.7	83	0.00	13.38
73		TETRACHLOROETHYLENE	0.653	0.781	-19.6	100	0.00	14.46
74		DIBROMOCHLOROMETHANE	1.062	1.117	-5.2	76	0.00	13.51
75		1,2-DIBROMOETHANE	0.881	0.882	-0.1	76	0.00	13.82
76		OCTANE	0.878	1.021	-16.3	82	0.00	14.33
77		1,1,1,2-TETRACHLOROETHANE	0.733	0.695	5.2	75	0.00	15.38
78		CHLOROBENZENE	1.287	1.192	7.4	75	0.00	15.40
79		ETHYLBENZENE	1.844	1.956	-6.1	78	0.00	15.95
80		m,p-XYLENE	0.700	0.737	-5.3	76	-0.02	16.21
81		o-XYLENE	0.679	0.710	-4.6	75	0.00	16.89
82		STYRENE	0.974	1.094	-12.3	76	0.00	16.75
83		NONANE	0.917	1.065	-16.1	83	0.00	17.30
84		BROMOFORM	1.087	1.581	-45.4#	107	0.00	16.28
85	S	4-BROMOFLUOROBENZENE	1.119	1.122	-0.3	83	0.00	17.59
86		1,1,2,2-TETRACHLOROETHANE	1.365	1.359	0.4	77	0.00	16.90
87		1,2,3-TRICHLOROPROPANE	0.986	0.985	0.1	79	0.00	17.09
88		ISOPROPYLBENZENE	2.101	2.132	-1.5	76	0.00	17.81
89		BROMOBENZENE	1.187	1.198	-0.9	81	0.00	17.90
90		2-CHLOROTOLUENE	0.526	0.533	-1.3	75	0.00	18.54
91		n-PROPYLBENZENE	0.533	0.564	-5.8	75	0.00	18.63
92		4-ETHYLTOLUENE	1.939	2.118	-9.2	76	0.00	18.88
93		1,3,5-TRIMETHYLBENZENE	1.657	1.783	-7.6	76	0.00	19.01
94		ALPHA-METHYLSTYRENE	0.895	0.906	-1.2	75	0.00	19.25
95		tert-BUTYLBENZENE	0.362	0.384	-6.1	78	0.00	19.61
96		1,2,4-TRIMETHYLBENZENE	1.739	1.930	-11.0	77	0.00	19.62
97		m-DICHLOROBENZENE	1.369	1.513	-10.5	83	0.00	19.81
98		BENZYL CHLORIDE	1.866	1.983	-6.3	76	0.00	19.81
99		p-DICHLOROBENZENE	1.278	1.411	-10.4	84	0.00	19.92
100		sec-BUTYLBENZENE	0.432	0.464	-7.4	78	0.00	20.01

Continuing Calibration Summary

Job Number: JE2487 **Sample:** V5W2138-CC2125
Account: GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55819.D
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

101		1,2,3-TRIMETHYLBENZENE	1.766	1.932	-9.4	77	0.00	20.23
102		p-ISOPROPYLTOLUENE	0.507	0.543	-7.1	77	0.00	20.26
103		o-DICHLOROBENZENE	1.243	1.346	-8.3	84	0.00	20.40
104		n-BUTYLBENZENE	0.467	0.532	-13.9	79	0.00	20.85
105		HEXACHLOROETHANE	0.870	0.986	-13.3	81	0.00	21.31
106		HEXACHLOROBUTADIENE	1.169	2.195	-87.8#	138	-0.12	23.25
107		1,2,4-TRICHLOROBENZENE	1.107	1.801	-62.7#	125	-0.10	23.12
108		NAPHTHALENE	2.431	2.697	-10.9	79	-0.09	22.80
109	I	BROMOCHLOROMETHANE (A)	1.000	1.000	0.0	78	0.00	7.67
110		TVHC as equiv Pentane	7.828	7.142	8.8	79	0.00	5.23

(#) = Out of Range SPCC's out = 0 CCC's out = 0
5w55466.D M5w2125.M Tue Dec 24 04:43:55 2024

Initial Calibration Summary

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample: V7W305-ICC305
Lab FileID: 7W07980.D

Response Factor Report MS7W

Method : C:\msdchem\1\methods\M7W305.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
Last Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

Calibration Files
0.04=7w07975.D 0.10=7w07976.D 0.20=7w07977.D 0.5 =7w07978.D
5.0 =7w07979.D 10 =7w07980.D 20 =7w07981.D 40 =7w07982.D
50 =7w07983.D =

Compound	0.04	0.10	0.20	0.5	5.0	10	20	40	50	Avg	%RSD
1) I BROMOCHLOROMETHANE	----------ISTD----------										
2) FREON 115	1.410	1.323	1.332	1.370	0.628	1.427	1.321	1.450		1.282	20.97
3) FREON 152A	0.766	0.691	0.666	0.702	0.665	0.692	0.673	0.681	0.695	0.692	4.39
4) CHLORODIFLUOROMETHANE	0.341	0.319	0.348	0.350	0.313	0.337	0.326	0.329	0.340	0.334	3.87
5) CHLOROTRIFLUOROETHENE	1.776	1.676	1.535	1.621	1.510	1.603	1.570	1.636	1.676	1.623	5.00
6) DICHLORODIFLUOROMETHANE	3.889	3.781	3.954	3.963	3.920	4.135	4.066	4.167	4.214	4.010	3.59
7) PROPYLENE	1.094	1.136	0.965	0.913	0.864	0.902	0.889	0.913	0.948	0.958	9.85
8) 1-CHLORO-1,1-DIFLUOROETHANE	3.272	3.202	3.328	3.433	3.252	3.450	3.399	3.437	3.443	3.357	2.85
9) FREON 114	3.127	3.393	3.214	3.441	3.334	3.519	3.484	3.579	3.609	3.411	4.77
10) CHLOROMETHANE	0.752	0.540	0.501	0.489	0.467	0.488	0.475	0.483	0.479	0.519	17.25
11) VINYL CHLORIDE	1.748	1.508	1.584	1.620	1.573	1.612	1.570	1.583	1.572	1.597	4.07
12) 1,3-BUTADIENE	1.426	1.317	1.348	1.274	1.229	1.296	1.252	1.268	1.275	1.298	4.56
13) N-BUTANE	2.469	2.388	2.309	2.447	2.292	2.405	2.323	2.351	2.355	2.371	2.58
14) BROMOMETHANE	1.376	1.314	1.295	1.306	1.211	1.264	1.230	1.248	1.248	1.277	3.98
15) CHLOROETHANE	0.821	0.738	0.826	0.853	0.820	0.839	0.821	0.826	0.817	0.818	3.91
16) DICHLOROFLUOROMETHANE	2.969	2.937	3.144	3.211	3.077	3.224	3.132	3.217	3.219	3.126	3.52
17) ACETONITRILE	1.809	1.911	1.622	1.405	1.433	1.401	1.424	1.414		1.552	13.19
18) ACROLEIN	0.969	0.801	0.726	0.727	0.762	0.739	0.754	0.758		0.779	10.32
19) FREON 123	3.302	2.915	3.162	3.138	3.083	3.234	3.174	3.273	3.305	3.176	3.92
20) FREON 123A	1.695	1.757	1.752	1.832	1.796	1.886	1.860	1.906	1.913	1.822	4.21
21) TRICHLOROFLUOROMETHANE	3.507	3.486	3.424	3.639	3.527	3.726	3.643	3.717	3.694	3.596	3.10
22) ISOPROPYL ALCOHOL	4.381	3.891	3.555	3.314	2.991	3.250	3.022	3.012	3.067	3.387	14.11
23) ACETONE											

Initial Calibration Summary

Job Number: JE2487 **Sample:** V7W305-ICC305
Account: GESNYP Groundwater & Environmental Services **Lab FileID:** 7W07980.D
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

			1.285	0.991	0.851	0.841	0.818	0.841	0.836	0.923	18.38
24)	PENTANE										
		2.149	1.846	1.699	1.714	1.614	1.648	1.601	1.606	1.607	1.720	10.40
25)	IODOMETHANE										
		2.782	2.914	3.026	3.144	3.102	3.247	3.191	3.256	3.255	3.102	5.37
26)	1,1-DICHLOROETHYLENE										
		1.339	1.349	1.334	1.339	1.302	1.359	1.329	1.342	1.349	1.338	1.21
27)	CARBON DISULFIDE										
		3.488	3.732	3.787	3.791	3.810	4.022	4.015	4.214	4.238	3.900	6.23
28)	ETHANOL										
			1.215	1.135	0.882	0.863	0.799	0.782	0.802	0.925	18.97
29)	BROMOETHENE										
		1.229	1.137	1.176	1.238	1.187	1.262	1.245	1.256	1.261	1.221	3.63
30)	ACRYLONITRILE										
		1.663	1.236	1.359	1.289	1.182	1.167	1.129	1.137	1.136	1.255	13.68
31)	METHYLENE CHLORIDE										
			1.830	1.573	1.404	1.212	1.269	1.236	1.243	1.250	1.377	15.94
32)	3-CHLOROPROPENE										
		0.791	0.697	0.733	0.656	0.661	0.700	0.684	0.705	0.714	0.705	5.74
33)	FREON 113										
		1.953	2.006	2.100	2.122	2.068	2.169	2.152	2.189	2.196	2.106	3.98
34)	TRANS-1,2-DICHLOROETHENE										
		1.439	1.274	1.263	1.355	1.236	1.309	1.280	1.290	1.299	1.305	4.60
35)	TERTIARY BUTYL ALCOHOL										
		3.331	3.384	3.189	3.305	2.885	3.383	3.211	3.229	3.343	3.251	4.78
36)	METHYL TERTIARY BUTYL ETHER										
		3.163	3.190	3.191	3.189	3.103	3.315	3.318	3.482	3.557	3.279	4.70
37)	TETRAHYDROFURAN										
		0.452	0.624	0.640	0.618	0.634	0.666	0.655	0.666	0.667	0.625	10.78
38)	HEXANE										
		3.362	2.615	2.581	2.590	2.513	2.671	2.671	2.777	2.784	2.729	9.28
39)	VINYL ACETATE										
			0.272	0.260	0.243	0.276	0.304	0.324	0.351	0.358	0.298	14.25
40)	1,1-DICHLOROETHANE										
		2.584	2.330	2.424	2.438	2.346	2.451	2.406	2.454	2.453	2.432	3.01
41)	METHYL ETHYL KETONE										
		0.587	0.696	0.659	0.674	0.645	0.676	0.667	0.688	0.695	0.665	5.07
42)	CIS-1,2-DICHLOROETHENE										
		1.410	1.399	1.355	1.426	1.322	1.389	1.356	1.395	1.404	1.384	2.37
43)	DIISOPROPYL ETHER										
		0.558	0.733	0.632	0.706	0.701	0.744	0.754	0.779	0.785	0.710	10.38
44)	ETHYL ACETATE										
		0.474	0.551	0.516	0.477	0.496	0.531	0.531	0.558	0.560	0.522	6.33
45)	METHYL ACRYLATE										
		2.541	2.807	2.755	2.859	2.914	3.135	3.174	3.354	3.367	2.989	9.48
46)	CHLOROFORM										
		2.646	2.807	2.779	2.816	2.689	2.876	2.826	2.888	2.865	2.799	2.96
47)	2,4-DIMETHYLPENTANE										
		2.729	3.054	2.793	2.988	2.813	2.955	2.896	3.028	3.020	2.920	4.02
48)	1,1,1-TRICHLOROETHANE										
		2.474	2.500	2.353	2.453	2.343	2.561	2.618	2.798	2.832	2.548	6.87
49)	CARBON TETRACHLORIDE										
		2.051	2.325	2.277	2.344	2.366	2.602	2.682	2.902	2.961	2.501	12.18
50)	1,2-DICHLOROETHANE										
		1.957	2.162	2.154	2.195	2.048	2.139	2.092	2.177	2.182	2.123	3.66
51)	BENZENE										
		4.645	4.341	4.061	4.092	3.835	3.998	3.955	4.074	4.073	4.119	5.80
52)	I 1,4-DIFLUOROBENZENE	----------ISTD----------										
53)	CYCLOHEXANE											

		0.369	0.346	0.343	0.352	0.340	0.351	0.349	0.367	0.363	0.353	2.99
54)	2,3-DIMETHYLPENTANE											
		0.170	0.164	0.179	0.182	0.179	0.185	0.183	0.193	0.193	0.181	5.20
55)	TRICHLOROETHENE											
		0.398	0.396	0.357	0.373	0.365	0.380	0.376	0.401	0.401	0.383	4.32
56)	1,2-DICHLOROPROPANE											
		0.333	0.350	0.324	0.336	0.327	0.347	0.336	0.359	0.356	0.341	3.70
57)	DIBROMOMETHANE											
		0.338	0.344	0.317	0.319	0.303	0.314	0.308	0.326	0.325	0.321	4.17
58)	ETHYL ACRYLATE											
		0.690	0.695	0.682	0.662	0.696	0.748	0.759	0.821	0.830	0.731	8.42
59)	BROMODICHLOROMETHANE											
		0.513	0.538	0.542	0.547	0.578	0.618	0.621	0.666	0.668	0.588	9.80
60)	2,2,4-TRIMETHYLPENTANE											
		1.621	1.605	1.636	1.614	1.577	1.612	1.580	1.672	1.650	1.619	1.91
61)	1,4-DIOXANE											
			0.177	0.255	0.238	0.213	0.206	0.190	0.198	0.201	0.210	12.16
62)	HEPTANE											
		0.586	0.559	0.576	0.557	0.538	0.559	0.559	0.593	0.587	0.568	3.21
63)	METHYL METHACRYLATE											
		0.303	0.292	0.300	0.280	0.291	0.307	0.310	0.335	0.335	0.306	6.10
64)	METHYL ISOBUTYL KETONE											
		0.397	0.363	0.379	0.349	0.335	0.331	0.323	0.339	0.333	0.350	7.08
65)	CIS-1,3-DICHLOROPROPENE											
		0.352	0.383	0.374	0.375	0.419	0.463	0.487	0.537	0.541	0.437	16.64
66)	TOLUENE											
		1.112	1.040	1.039	1.032	1.007	1.061	1.057	1.119	1.108	1.064	3.76
67)	1,3-DICHLOROPROPANE											
		0.501	0.487	0.509	0.512	0.507	0.534	0.536	0.565	0.553	0.523	4.98
68)	TRANS-1,3-DICHLOROPROPENE											
			0.267	0.259	0.266	0.319	0.371	0.416	0.478	0.488	0.358	26.45
69)	1,1,2-TRICHLOROETHANE											
		0.267	0.292	0.278	0.288	0.284	0.297	0.295	0.310	0.309	0.291	4.78
70)	2-HEXANONE											
		0.598	0.620	0.572	0.553	0.517	0.491	0.484	0.491	0.478	0.534	10.04
71)	ETHYL METHACRYLATE											
		0.458	0.451	0.463	0.448	0.491	0.524	0.545	0.590	0.584	0.506	11.22
72)	TETRACHLOROETHENE											
		0.463	0.385	0.390	0.357	0.348	0.360	0.359	0.381	0.379	0.380	8.99
73)	DIBROMOCHLOROMETHANE											
		0.434	0.488	0.472	0.491	0.549	0.599	0.623	0.678	0.681	0.557	16.50
74)	1,2-DIBROMOETHANE											
		0.497	0.457	0.478	0.477	0.496	0.533	0.534	0.571	0.568	0.512	8.00
75)	OCTANE											
		1.122	0.866	0.835	0.792	0.775	0.810	0.806	0.852	0.836	0.855	12.18
76)	I CHLOROBENZENE-D5	----------ISTD----------										
77)	1,1,1,2-TETRACHLOROETHANE											
		0.389	0.401	0.377	0.364	0.403	0.443	0.463	0.507	0.513	0.429	12.93
78)	CHLOROBENZENE											
		0.901	0.981	0.941	0.950	0.939	0.968	0.976	1.030	1.026	0.968	4.31
79)	ETHYLBENZENE											
		1.712	1.561	1.546	1.530	1.507	1.550	1.567	1.652	1.657	1.587	4.37
80)	M,P-XYLENE											
		1.338	1.226	1.195	1.209	1.202	1.246	1.249	1.310	1.306	1.253	4.19
81)	O-XYLENE											
		1.276	1.232	1.206	1.207	1.201	1.249	1.268	1.341	1.345	1.258	4.37
82)	STYRENE											
		0.842	0.861	0.852	0.862	0.892	0.925	0.944	1.006	1.010	0.910	7.13
83)	NONANE											

Initial Calibration Summary

Job Number: JE2487 **Sample:** V7W305-ICC305
Account: GESNYP Groundwater & Environmental Services **Lab FileID:** 7W07980.D
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

```
          1.082 0.990 0.955 0.963 0.951 0.978 0.982 1.028 1.027   0.995    4.31
 84)  BROMOFORM
          0.425 0.415 0.442 0.482 0.523 0.583 0.621 0.695 0.711   0.544   20.92
 85)  1,1,2,2-TETRACHLOROETHANE
          0.778 0.815 0.869 0.849 0.875 0.907 0.921 0.977 0.985   0.886    7.79
 86)  1,2,3-TRICHLOROPROPANE
          0.685 0.697 0.666 0.705 0.700 0.726 0.728 0.768 0.768   0.716    4.93
 87)  4-BROMOFLUOROBENZENE
          0.725 0.720 0.722 0.724 0.737 0.726 0.745 0.745 0.758   0.734    1.81
 88)  ISOPROPYLBENZENE
          0.411 0.493 0.466 0.453 0.468 0.480 0.487 0.515 0.516   0.477    6.80
 89)  BROMOBENZENE
          0.739 0.893 0.894 0.905 0.878 0.912 0.925 0.985 0.984   0.902    7.98
 90)  2-CHLOROTOLUENE
          0.411 0.406 0.399 0.432 0.431 0.446 0.450 0.478 0.479   0.437    6.67
 91)  N-PROPYLBENZENE
          0.420 0.460 0.461 0.477 0.489 0.505 0.512 0.544 0.549   0.491    8.48
 92)  4-ETHYLTOLUENE
          1.605 1.507 1.638 1.654 1.718 1.792 1.807 1.951 1.968   1.738    8.97
 93)  1,3,5-TRIMETHYLBENZENE
          1.321 1.341 1.355 1.380 1.438 1.492 1.519 1.648 1.664   1.462    8.81
 94)  ALPHA-METHYLSTYRENE
          0.684 0.651 0.706 0.727 0.765 0.805 0.827 0.907 0.920   0.777   12.28
 95)  TERT-BUTYLBENZENE
          0.325 0.320 0.317 0.334 0.338 0.351 0.363 0.397 0.403   0.350    9.11
 96)  1,2,4-TRIMETHYLBENZENE
          1.309 1.344 1.377 1.420 1.491 1.568 1.628 1.790 1.825   1.528   12.38
 97)  BENZYL CHLORIDE
          0.339 0.328 0.327 0.342 0.423 0.567 0.787               0.445   39.13
 98)  M-DICHLOROBENZENE
          0.865 0.926 0.941 0.964 0.999 1.049 1.082 1.162 1.188   1.020   10.73
 99)  P-DICHLOROBENZENE
          0.935 0.941 0.943 0.947 0.973 1.011 1.042 1.142 1.168   1.011    8.83
100)  O-DICHLOROBENZENE
          0.885 0.878 0.917 0.917 0.938 0.976 1.019 1.112 1.147   0.976    9.98
101)  SEC-BUTYLBENZENE
          0.375 0.424 0.390 0.419 0.427 0.453 0.465 0.499 0.510   0.440   10.38
102)  1,2,3-TRIMETHYLBENZENE
          1.426 1.398 1.451 1.436 1.488 1.555 1.617 1.761 1.790   1.547    9.47
103)  P-ISOPROPYLTOLUENE
          0.419 0.458 0.471 0.447 0.476 0.504 0.516 0.557 0.573   0.491   10.37
104)  N-BUTYLBENZENE
          0.395 0.404 0.443 0.446 0.481 0.509 0.526 0.584 0.600   0.488   15.07
105)  HEXACHLOROETHANE
                0.301 0.304 0.322 0.413 0.491 0.566 0.677 0.711   0.473   35.00
106)  HEXACHLOROBUTADIENE
          0.668 0.628 0.625 0.639 0.680 0.717 0.777 0.906 0.962   0.734   16.90
107)  1,2,4-TRICHLOROBENZENE
                0.833 0.843 0.814 0.906 0.951 1.024 1.180 1.269   0.977   17.30
108)  NAPHTHALENE
          2.421 2.256 2.262 2.422 2.426 2.411 2.592 2.959 3.235   2.554   12.96

109) I   BROMOCHLOROMETHANE (A ----------------ISTD---------------------
110)  TVHC as equiv Pentane
          9.914 8.939 9.828 9.374 8.035 8.221 7.965 7.949 7.890   8.679    9.72
 ------------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          M7W305.M          Thu Aug 29 00:15:47 2024
```

Initial Calibration Verification

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample: V7W305-ICV305
Lab FileID: 7W07990.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\7w07990.D Vial: 3
Acq On : 19 Aug 2024 6:28 am Operator: benk
Sample : icv305-10 Inst : MS7W
Misc : MS74014,v7w305,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7W305.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
Last Update : Thu Aug 29 00:13:42 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	100	0.00	3.27
2	T	FREON 115	1.282	1.339	-4.4	94	0.00	1.61
3	T	FREON 152A	0.692	0.659	4.8	95	0.00	1.65
4	T	CHLORODIFLUOROMETHANE	0.334	0.311	6.9	92	0.00	1.66
5	T	CHLOROTRIFLUOROETHENE	1.623	1.535	5.4	95	0.00	1.67
6	T	DICHLORODIFLUOROMETHANE	4.010	4.114	-2.6	99	0.00	1.69
7	T	PROPYLENE	0.958	0.844	11.9	93	0.00	1.67
8	T	1-CHLORO-1,1-DIFLUOROETHA	3.357	3.483	-3.8	101	0.00	1.72
9	T	FREON 114	3.411	3.581	-5.0	101	0.00	1.76
10	T	CHLOROMETHANE	0.519	0.486	6.4	99	0.00	1.73
11	T	VINYL CHLORIDE	1.597	1.598	-0.1	99	0.00	1.79
12	t	1,3-BUTADIENE	1.298	1.256	3.2	97	0.00	1.83
13	T	N-BUTANE	2.371	2.342	1.2	97	0.00	1.85
14	T	BROMOMETHANE	1.277	1.271	0.5	100	0.00	1.91
15	T	CHLOROETHANE	0.818	0.828	-1.2	98	0.00	1.96
16	T	DICHLOROFLUOROMETHANE	3.126	3.292	-5.3	102	0.00	1.98
17	T	ACETONITRILE	1.552	1.467	5.5	102	0.00	2.05
18	T	ACROLEIN	0.779	0.760	2.4	99	0.00	2.09
19	T	FREON 123	3.176	3.121	1.7	96	0.00	2.10
20	T	FREON 123A	1.822	1.735	4.8	92	0.00	2.12
21	T	TRICHLOROFLUOROMETHANE	3.596	3.751	-4.3	100	0.00	2.19
22	T	ISOPROPYL ALCOHOL	3.387	3.362	0.7	103	0.00	2.21
23	T	ACETONE	0.923	0.836	9.4	99	0.00	2.13
24	T	PENTANE	1.720	1.599	7.0	97	0.00	2.30
25	T	IODOMETHANE	3.102	3.305	-6.5	101	0.00	2.36
26	T	1,1-DICHLOROETHYLENE	1.338	1.386	-3.6	102	0.00	2.39
27	T	CARBON DISULFIDE	3.900	4.327	-10.9	107	0.00	2.52
28	T	ETHANOL	0.925	0.759	17.9	88	0.00	1.99
29	T	BROMOETHENE	1.221	1.279	-4.8	101	0.00	2.06
30	T	ACRYLONITRILE	1.255	1.150	8.4	98	0.00	2.27
31	T	METHYLENE CHLORIDE	1.377	1.301	5.5	102	0.00	2.43
32	T	3-CHLOROPROPENE	0.705	0.704	0.1	100	0.00	2.47
33	T	FREON 113	2.106	2.269	-7.7	104	0.00	2.52
34	T	TRANS-1,2-DICHLOROETHENE	1.305	1.340	-2.7	102	0.00	2.75
35	T	TERTIARY BUTYL ALCOHOL	3.251	3.902	-20.0	115	-0.01	2.42
36	t	METHYL TERTIARY BUTYL ETH	3.279	3.328	-1.5	100	0.00	2.87
37	T	TETRAHYDROFURAN	0.625	0.640	-2.4	96	0.00	3.56
38	T	HEXANE	2.729	2.432	10.9	91	0.00	3.32
39	T	VINYL ACETATE	0.298	0.318	-6.7	104	0.00	2.90
40	T	1,1-DICHLOROETHANE	2.432	2.353	3.2	96	0.00	2.83
41	T	METHYL ETHYL KETONE	0.665	0.636	4.4	94	0.00	3.00
42	T	CIS-1,2-DICHLOROETHENE	1.384	1.344	2.9	96	0.00	3.19

Initial Calibration Verification

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample: V7W305-ICV305
Lab FileID: 7W07990.D

43	T	DIISOPROPYL ETHER	0.710	0.699	1.5	94	0.00	3.32
44	T	ETHYL ACETATE	0.522	0.486	6.9	91	0.00	3.33
45	T	METHYL ACRYLATE	2.989	2.977	0.4	95	0.00	3.32
46	T	CHLOROFORM	2.799	2.786	0.5	97	0.00	3.34
47	T	2,4-DIMETHYLPENTANE	2.920	2.738	6.2	92	0.00	3.83
48	T	1,1,1-TRICHLOROETHANE	2.548	2.487	2.4	97	0.00	3.91
49	T	CARBON TETRACHLORIDE	2.501	2.437	2.6	93	0.00	4.33
50	T	1,2-DICHLOROETHANE	2.123	2.036	4.1	95	0.00	3.75
51	t	BENZENE	4.119	3.772	8.4	94	0.00	4.22
52	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	98	0.00	4.55
53	T	CYCLOHEXANE	0.353	0.339	4.0	94	0.00	4.43
54	T	2,3-DIMETHYLPENTANE	0.181	0.178	1.7	94	0.00	4.69
55	T	TRICHLOROETHENE	0.383	0.371	3.1	96	0.00	5.12
56	T	1,2-DICHLOROPROPANE	0.341	0.332	2.6	94	0.00	4.89
57	T	DIBROMOMETHANE	0.321	0.315	1.9	98	0.00	4.85
58	T	ETHYL ACRYLATE	0.731	0.731	0.0	96	0.00	5.01
59	T	BROMODICHLOROMETHANE	0.588	0.601	-2.2	95	0.00	5.07
60	T	2,2,4-TRIMETHYLPENTANE	1.619	1.510	6.7	92	0.00	5.22
61	T	1,4-DIOXANE	0.210	0.196	6.7	93	-0.01	5.15
62	T	HEPTANE	0.568	0.517	9.0	90	0.00	5.53
63	T	METHYL METHACRYLATE	0.306	0.302	1.3	96	0.00	5.43
64	T	METHYL ISOBUTYL KETONE	0.350	0.313	10.6	92	0.00	6.17
65	T	CIS-1,3-DICHLOROPROPENE	0.437	0.425	2.7	90	0.00	6.06
66	T	TOLUENE	1.064	1.019	4.2	94	0.00	7.26
67	T	1,3-DICHLOROPROPANE	0.523	0.515	1.5	94	0.00	7.32
68	T	TRANS-1,3-DICHLOROPROPENE	0.358	0.366	-2.2	97	0.00	6.73
69	T	1,1,2-TRICHLOROETHANE	0.291	0.294	-1.0	97	0.00	6.89
70	T	2-HEXANONE	0.534	0.460	13.9	91	0.00	7.85
71	T	ETHYL METHACRYLATE	0.506	0.529	-4.5	98	0.00	7.97
72	T	TETRACHLOROETHENE	0.380	0.354	6.8	96	0.00	8.99
73	T	DIBROMOCHLOROMETHANE	0.557	0.581	-4.3	95	0.00	7.79
74	T	1,2-DIBROMOETHANE	0.512	0.521	-1.8	96	0.00	8.14
75	T	OCTANE	0.855	0.745	12.9	90	0.00	9.14
76	I	CHLOROBENZENE-D5	1.000	1.000	0.0	97	0.00	10.12
77	T	1,1,1,2-TETRACHLOROETHANE	0.429	0.429	0.0	94	0.00	10.21
78	T	CHLOROBENZENE	0.968	0.941	2.8	95	0.00	10.20
79	t	ETHYLBENZENE	1.587	1.502	5.4	94	0.00	11.08
80	t	M,P-XYLENE	1.253	1.194	4.7	93	0.00	11.51
81	t	O-XYLENE	1.258	1.192	5.2	93	0.00	12.44
82	T	STYRENE	0.910	0.891	2.1	94	0.00	12.23
83	T	NONANE	0.995	0.903	9.2	90	0.00	13.56
84	T	BROMOFORM	0.544	0.548	-0.7	91	0.00	11.32
85	T	1,1,2,2-TETRACHLOROETHANE	0.886	0.875	1.2	94	0.00	12.46
86	T	1,2,3-TRICHLOROPROPANE	0.716	0.695	2.9	93	0.00	12.74
87	S	4-BROMOFLUOROBENZENE	0.734	0.729	0.7	98	0.00	13.48
88	T	ISOPROPYLBENZENE	0.477	0.469	1.7	95	0.00	13.96
89	T	BROMOBENZENE	0.902	0.886	1.8	95	0.00	13.82
90	T	2-CHLOROTOLUENE	0.437	0.442	-1.1	96	0.00	14.95
91	T	N-PROPYLBENZENE	0.491	0.490	0.2	94	0.00	15.29
92	T	4-ETHYLTOLUENE	1.738	1.702	2.1	92	0.00	15.74
93	T	1,3,5-TRIMETHYLBENZENE	1.462	1.428	2.3	93	0.00	16.00
94	T	ALPHA-METHYLSTYRENE	0.777	0.806	-3.7	97	0.00	16.27
95	T	TERT-BUTYLBENZENE	0.350	0.344	1.7	95	0.00	16.57
96	T	1,2,4-TRIMETHYLBENZENE	1.528	1.502	1.7	93	0.00	16.58
97	T	BENZYL CHLORIDE	0.445	0.634	-42.5#	109	0.00	16.67
98	T	M-DICHLOROBENZENE	1.020	1.011	0.9	94	0.00	16.64
99	T	P-DICHLOROBENZENE	1.011	0.984	2.7	95	0.00	16.73
100	T	O-DICHLOROBENZENE	0.976	0.956	2.0	95	0.00	17.04

Initial Calibration Verification

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY
Sample: V7W305-ICV305
Lab FileID: 7W07990.D

101	T	SEC-BUTYLBENZENE	0.440	0.444	-0.9	95	0.00	16.87
102	T	1,2,3-TRIMETHYLBENZENE	1.547	1.505	2.7	94	0.00	16.99
103	T	P-ISOPROPYLTOLUENE	0.491	0.494	-0.6	95	0.00	17.06
104	T	N-BUTYLBENZENE	0.488	0.490	-0.4	94	0.00	17.43
105	T	HEXACHLOROETHANE	0.473	0.465	1.7	92	0.00	17.60
106	T	HEXACHLOROBUTADIENE	0.734	0.720	1.9	98	0.00	18.66
107	T	1,2,4-TRICHLOROBENZENE	0.977	0.928	5.0	95	0.00	18.35
108	T	NAPHTHALENE	2.554	2.550	0.2	103	0.00	18.40
109	I	BROMOCHLOROMETHANE (A)	1.000	1.000	0.0	100	0.00	3.27
110		TVHC as equiv Pentane	8.679	7.972	8.1	97	0.00	2.30

(#) = Out of Range SPCC's out = 0 CCC's out = 0
7w07980.D M7W305.M Thu Aug 29 00:23:32 2024

Continuing Calibration Summary

Job Number: JE2487 **Sample:** V7W379-CC305
Account: GESNYP Groundwater & Environmental Services **Lab FileID:** 7W10299.D
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\l...2024\v7w379\7w10299.d Vial: 2
Acq On : 6 Nov 2024 9:06 am Operator: thomash
Sample : cc305-10 Inst : MS7W
Misc : MS86666,v7w379,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7W305.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
Last Update : Thu Aug 29 00:13:42 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	74	0.00	3.27
2	T	FREON 115	1.282	1.658	-29.3	86	0.00	1.62
3	T	FREON 152A	0.692	0.923	-33.4#	98	0.00	1.65
4	T	CHLORODIFLUOROMETHANE	0.334	0.366	-9.6	80	0.00	1.66
5	T	CHLOROTRIFLUOROETHENE	1.623	1.891	-16.5	87	0.00	1.68
6	T	DICHLORODIFLUOROMETHANE	4.010	3.934	1.9	70	0.00	1.69
7	T	PROPYLENE	0.958	1.201	-25.4	98	0.00	1.67
8	T	1-CHLORO-1,1-DIFLUOROETHA	3.357	2.838	15.5	61	0.00	1.73
9	T	FREON 114	3.411	3.196	6.3	67	0.00	1.77
10	T	CHLOROMETHANE	0.519	0.496	4.4	75	0.00	1.73
11	T	VINYL CHLORIDE	1.597	1.668	-4.4	76	0.00	1.80
12	t	1,3-BUTADIENE	1.298	1.353	-4.2	77	0.00	1.84
13	T	N-BUTANE	2.371	2.461	-3.8	75	0.00	1.85
14	T	BROMOMETHANE	1.277	1.174	8.1	69	0.00	1.91
15	T	CHLOROETHANE	0.818	0.865	-5.7	76	0.00	1.96
16	T	DICHLOROFLUOROMETHANE	3.126	3.041	2.7	70	0.00	1.99
17	T	ACETONITRILE	1.552	1.601	-3.2	82	0.00	2.06
18	T	ACROLEIN	0.779	0.793	-1.8	77	0.00	2.10
19	T	FREON 123	3.176	3.044	4.2	69	0.00	2.11
20	T	FREON 123A	1.822	1.696	6.9	66	0.00	2.13
21	T	TRICHLOROFLUOROMETHANE	3.596	3.213	10.7	64	0.00	2.19
22	T	ISOPROPYL ALCOHOL	3.387	3.297	2.7	75	0.00	2.22
23	T	ACETONE	0.923	0.922	0.1	81	0.00	2.14
24	T	PENTANE	1.720	1.814	-5.5	81	0.00	2.31
25	T	IODOMETHANE	3.102	2.798	9.8	64	0.00	2.37
26	T	1,1-DICHLOROETHYLENE	1.338	1.227	8.3	67	0.00	2.40
27	T	CARBON DISULFIDE	3.900	3.447	11.6	63	0.01	2.53
28	T	ETHANOL	0.925	0.920	0.5	79	0.00	2.00
29	T	BROMOETHENE	1.221	1.165	4.6	68	0.00	2.06
30	T	ACRYLONITRILE	1.255	1.213	3.3	77	0.00	2.28
31	T	METHYLENE CHLORIDE	1.377	1.147	16.7	67	0.00	2.43
32	T	3-CHLOROPROPENE	0.705	0.618	12.3	65	0.00	2.48
33	T	FREON 113	2.106	1.784	15.3	61	0.00	2.53
34	T	TRANS-1,2-DICHLOROETHENE	1.305	1.366	-4.7	77	0.00	2.76
35	T	TERTIARY BUTYL ALCOHOL	3.251	3.028	6.9	66	0.00	2.42
36	t	METHYL TERTIARY BUTYL ETH	3.279	3.644	-11.1	81	0.00	2.87
37	T	TETRAHYDROFURAN	0.625	0.734	-17.4	81	0.00	3.56
38	T	HEXANE	2.729	3.031	-11.1	84	0.00	3.32
39	T	VINYL ACETATE	0.298	0.331	-11.1	80	0.00	2.91
40	T	1,1-DICHLOROETHANE	2.432	2.910	-19.7	88	0.00	2.84
41	T	METHYL ETHYL KETONE	0.665	0.763	-14.7	83	0.00	3.00
42	T	CIS-1,2-DICHLOROETHENE	1.384	1.476	-6.6	78	0.00	3.20

Continuing Calibration Summary

Job Number: JE2487 **Sample:** V7W379-CC305
Account: GESNYP Groundwater & Environmental Services **Lab FileID:** 7W10299.D
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

43	T	DIISOPROPYL ETHER	0.710	0.826	-16.3	82	0.00	3.33
44	T	ETHYL ACETATE	0.522	0.601	-15.1	84	0.00	3.33
45	T	METHYL ACRYLATE	2.989	3.470	-16.1	82	0.00	3.32
46	T	CHLOROFORM	2.799	2.822	-0.8	72	0.00	3.35
47	T	2,4-DIMETHYLPENTANE	2.920	3.453	-18.3	86	0.00	3.84
48	T	1,1,1-TRICHLOROETHANE	2.548	2.681	-5.2	77	0.00	3.92
49	T	CARBON TETRACHLORIDE	2.501	2.757	-10.2	78	0.00	4.34
50	T	1,2-DICHLOROETHANE	2.123	2.147	-1.1	74	0.00	3.76
51	t	BENZENE	4.119	4.388	-6.5	81	0.00	4.23
52	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	74	0.00	4.55
53	T	CYCLOHEXANE	0.353	0.380	-7.6	80	0.00	4.44
54	T	2,3-DIMETHYLPENTANE	0.181	0.206	-13.8	82	0.00	4.69
55	T	TRICHLOROETHENE	0.383	0.386	-0.8	75	0.00	5.13
56	T	1,2-DICHLOROPROPANE	0.341	0.400	-17.3	85	0.00	4.89
57	T	DIBROMOMETHANE	0.321	0.317	1.2	74	0.00	4.86
58	T	ETHYL ACRYLATE	0.731	0.842	-15.2	83	0.00	5.01
59	T	BROMODICHLOROMETHANE	0.588	0.628	-6.8	75	0.00	5.07
60	T	2,2,4-TRIMETHYLPENTANE	1.619	1.852	-14.4	85	0.00	5.22
61	T	1,4-DIOXANE	0.210	0.220	-4.8	79	-0.01	5.15
62	T	HEPTANE	0.568	0.633	-11.4	83	0.00	5.54
63	T	METHYL METHACRYLATE	0.306	0.337	-10.1	81	0.00	5.43
64	T	METHYL ISOBUTYL KETONE	0.350	0.362	-3.4	80	0.00	6.17
65	T	CIS-1,3-DICHLOROPROPENE	0.437	0.511	-16.9	81	0.00	6.06
66	T	TOLUENE	1.064	1.074	-0.9	74	0.00	7.27
67	T	1,3-DICHLOROPROPANE	0.523	0.547	-4.6	75	0.00	7.33
68	T	TRANS-1,3-DICHLOROPROPENE	0.358	0.436	-21.8	86	0.00	6.74
69	T	1,1,2-TRICHLOROETHANE	0.291	0.315	-8.2	78	0.00	6.90
70	T	2-HEXANONE	0.534	0.522	2.2	78	0.00	7.85
71	T	ETHYL METHACRYLATE	0.506	0.574	-13.4	81	0.00	7.97
72	T	TETRACHLOROETHENE	0.380	0.376	1.1	77	0.00	8.99
73	T	DIBROMOCHLOROMETHANE	0.557	0.598	-7.4	73	0.00	7.80
74	T	1,2-DIBROMOETHANE	0.512	0.540	-5.5	75	0.00	8.14
75	T	OCTANE	0.855	0.882	-3.2	80	0.00	9.14
76	I	CHLOROBENZENE-D5	1.000	1.000	0.0	74	0.00	10.13
77	T	1,1,1,2-TETRACHLOROETHANE	0.429	0.460	-7.2	77	0.00	10.21
78	T	CHLOROBENZENE	0.968	0.913	5.7	70	0.00	10.20
79	t	ETHYLBENZENE	1.587	1.505	5.2	72	0.00	11.08
80	t	M,P-XYLENE	1.253	1.179	5.9	70	0.00	11.51
81	t	O-XYLENE	1.258	1.179	6.3	70	0.00	12.44
82	T	STYRENE	0.910	0.903	0.8	72	0.00	12.23
83	T	NONANE	0.995	0.999	-0.4	76	0.00	13.57
84	T	BROMOFORM	0.544	0.582	-7.0	74	0.00	11.32
85	T	1,1,2,2-TETRACHLOROETHANE	0.886	0.877	1.0	72	0.00	12.46
86	T	1,2,3-TRICHLOROPROPANE	0.716	0.695	2.9	71	0.00	12.74
87	S	4-BROMOFLUOROBENZENE	0.734	0.712	3.0	73	0.00	13.48
88	T	ISOPROPYLBENZENE	0.477	0.448	6.1	69	0.00	13.95
89	T	BROMOBENZENE	0.902	0.865	4.1	70	0.00	13.83
90	T	2-CHLOROTOLUENE	0.437	0.412	5.7	69	0.00	14.96
91	T	N-PROPYLBENZENE	0.491	0.472	3.9	69	0.00	15.30
92	T	4-ETHYLTOLUENE	1.738	1.681	3.3	70	0.00	15.74
93	T	1,3,5-TRIMETHYLBENZENE	1.462	1.375	6.0	68	0.00	16.00
94	T	ALPHA-METHYLSTYRENE	0.777	0.734	5.5	68	0.00	16.27
95	T	TERT-BUTYLBENZENE	0.350	0.322	8.0	68	0.00	16.57
96	T	1,2,4-TRIMETHYLBENZENE	1.528	1.404	8.1	66	0.00	16.58
97	T	BENZYL CHLORIDE	0.445	0.823	-84.9#	108	0.00	16.67
98	T	M-DICHLOROBENZENE	1.020	0.961	5.8	68	0.00	16.64
99	T	P-DICHLOROBENZENE	1.011	0.934	7.6	69	0.00	16.73
100	T	O-DICHLOROBENZENE	0.976	0.894	8.4	68	0.00	17.04

Continuing Calibration Summary

Job Number: JE2487 **Sample:** V7W379-CC305
Account: GESNYP Groundwater & Environmental Services **Lab FileID:** 7W10299.D
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

101	T	SEC-BUTYLBENZENE	0.440	0.410	6.8	67	0.00	16.87
102	T	1,2,3-TRIMETHYLBENZENE	1.547	1.382	10.7	66	0.00	16.99
103	T	P-ISOPROPYLTOLUENE	0.491	0.450	8.4	66	0.00	17.06
104	T	N-BUTYLBENZENE	0.488	0.450	7.8	66	0.00	17.42
105	T	HEXACHLOROETHANE	0.473	0.510	-7.8	77	0.00	17.60
106	T	HEXACHLOROBUTADIENE	0.734	0.704	4.1	73	0.00	18.66
107	T	1,2,4-TRICHLOROBENZENE	0.977	0.874	10.5	68	0.00	18.35
108	T	NAPHTHALENE	2.554	2.023	20.8	62	0.00	18.40
109	I	BROMOCHLOROMETHANE (A)	1.000	1.000	0.0	74	0.00	3.27
110		TVHC as equiv Pentane	8.679	8.339	3.9	75	0.00	2.31

(#) = Out of Range SPCC's out = 0 CCC's out = 0
7w07980.D M7W305.M Thu Nov 07 04:35:52 2024

Continuing Calibration Summary

Job Number: JE2487 **Sample:** V7W387-CC305
Account: GESNYP Groundwater & Environmental Services **Lab FileID:** 7W10576.D
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\l...2024\v7w387\7w10576.D Vial: 2
Acq On : 18 Nov 2024 9:35 am Operator: benk
Sample : cc305-10 Inst : MS7W
Misc : MS87131,v7w387,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7W305.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
Last Update : Thu Aug 29 00:13:42 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	79	0.01	3.28
2	T	FREON 115	1.282	1.751	-36.6#	98	0.00	1.62
3	T	FREON 152A	0.692	0.896	-29.5	103	0.00	1.65
4	T	CHLORODIFLUOROMETHANE	0.334	0.350	-4.8	82	0.00	1.66
5	T	CHLOROTRIFLUOROETHENE	1.623	1.974	-21.6	98	0.00	1.67
6	T	DICHLORODIFLUOROMETHANE	4.010	4.006	0.1	77	0.00	1.69
7	T	PROPYLENE	0.958	1.105	-15.3	97	0.00	1.67
8	T	1-CHLORO-1,1-DIFLUOROETHA	3.357	2.741	18.3	63	0.00	1.73
9	T	FREON 114	3.411	3.281	3.8	74	0.00	1.76
10	T	CHLOROMETHANE	0.519	0.443	14.6	72	0.00	1.73
11	T	VINYL CHLORIDE	1.597	1.580	1.1	78	0.00	1.80
12	t	1,3-BUTADIENE	1.298	1.191	8.2	73	0.00	1.84
13	T	N-BUTANE	2.371	1.995	15.9	66	0.00	1.85
14	T	BROMOMETHANE	1.277	1.238	3.1	78	0.00	1.91
15	T	CHLOROETHANE	0.818	0.842	-2.9	80	0.00	1.96
16	T	DICHLOROFLUOROMETHANE	3.126	2.996	4.2	74	0.00	1.99
17	T	ACETONITRILE	1.552	1.302	16.1	72	0.00	2.06
18	T	ACROLEIN	0.779	0.718	7.8	75	0.00	2.10
19	T	FREON 123	3.176	3.134	1.3	77	0.00	2.11
20	T	FREON 123A	1.822	1.837	-0.8	77	0.00	2.13
21	T	TRICHLOROFLUOROMETHANE	3.596	3.386	5.8	72	0.00	2.19
22	T	ISOPROPYL ALCOHOL	3.387	2.874	15.1	70	0.00	2.22
23	T	ACETONE	0.923	0.893	3.3	84	0.00	2.14
24	T	PENTANE	1.720	1.489	13.4	72	0.00	2.31
25	T	IODOMETHANE	3.102	3.311	-6.7	81	0.00	2.37
26	T	1,1-DICHLOROETHYLENE	1.338	1.303	2.6	76	0.00	2.40
27	T	CARBON DISULFIDE	3.900	3.511	10.0	69	0.01	2.53
28	T	ETHANOL	0.925	0.784	15.2	72	0.00	1.99
29	T	BROMOETHENE	1.221	1.289	-5.6	81	0.00	2.06
30	T	ACRYLONITRILE	1.255	1.082	13.8	74	0.00	2.28
31	T	METHYLENE CHLORIDE	1.377	1.185	13.9	74	0.00	2.44
32	T	3-CHLOROPROPENE	0.705	0.629	10.8	71	0.00	2.48
33	T	FREON 113	2.106	2.070	1.7	76	0.00	2.53
34	T	TRANS-1,2-DICHLOROETHENE	1.305	1.420	-8.8	86	0.00	2.76
35	T	TERTIARY BUTYL ALCOHOL	3.251	2.965	8.8	70	0.00	2.42
36	t	METHYL TERTIARY BUTYL ETH	3.279	3.620	-10.4	87	0.00	2.87
37	T	TETRAHYDROFURAN	0.625	0.712	-13.9	85	0.00	3.56
38	T	HEXANE	2.729	2.946	-8.0	88	0.00	3.33
39	T	VINYL ACETATE	0.298	0.338	-13.4	88	0.00	2.91
40	T	1,1-DICHLOROETHANE	2.432	2.846	-17.0	92	0.00	2.84
41	T	METHYL ETHYL KETONE	0.665	0.744	-11.9	87	0.00	3.01
42	T	CIS-1,2-DICHLOROETHENE	1.384	1.466	-5.9	84	0.01	3.20

Continuing Calibration Summary

Job Number: JE2487 **Sample:** V7W387-CC305
Account: GESNYP Groundwater & Environmental Services **Lab FileID:** 7W10576.D
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

43	T	DIISOPROPYL ETHER	0.710	0.812	-14.4	87	0.00	3.33
44	T	ETHYL ACETATE	0.522	0.572	-9.6	86	0.00	3.34
45	T	METHYL ACRYLATE	2.989	3.335	-11.6	85	0.00	3.32
46	T	CHLOROFORM	2.799	2.797	0.1	77	0.00	3.35
47	T	2,4-DIMETHYLPENTANE	2.920	3.308	-13.3	89	0.00	3.84
48	T	1,1,1-TRICHLOROETHANE	2.548	2.738	-7.5	85	0.00	3.92
49	T	CARBON TETRACHLORIDE	2.501	2.867	-14.6	88	0.00	4.34
50	T	1,2-DICHLOROETHANE	2.123	2.055	3.2	76	0.00	3.76
51	t	BENZENE	4.119	4.293	-4.2	85	0.00	4.23
52	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	82	0.00	4.55
53	T	CYCLOHEXANE	0.353	0.358	-1.4	84	0.00	4.44
54	T	2,3-DIMETHYLPENTANE	0.181	0.191	-5.5	85	0.00	4.70
55	T	TRICHLOROETHENE	0.383	0.372	2.9	80	0.00	5.13
56	T	1,2-DICHLOROPROPANE	0.341	0.375	-10.0	89	0.00	4.89
57	T	DIBROMOMETHANE	0.321	0.325	-1.2	85	0.00	4.86
58	T	ETHYL ACRYLATE	0.731	0.786	-7.5	86	0.00	5.01
59	T	BROMODICHLOROMETHANE	0.588	0.602	-2.4	80	0.00	5.07
60	T	2,2,4-TRIMETHYLPENTANE	1.619	1.727	-6.7	88	0.00	5.22
61	T	1,4-DIOXANE	0.210	0.202	3.8	81	-0.01	5.15
62	T	HEPTANE	0.568	0.573	-0.9	84	0.00	5.54
63	T	METHYL METHACRYLATE	0.306	0.321	-4.9	86	0.00	5.43
64	T	METHYL ISOBUTYL KETONE	0.350	0.339	3.1	84	0.00	6.17
65	T	CIS-1,3-DICHLOROPROPENE	0.437	0.496	-13.5	88	0.00	6.06
66	T	TOLUENE	1.064	1.020	4.1	79	0.00	7.27
67	T	1,3-DICHLOROPROPANE	0.523	0.516	1.3	79	0.00	7.33
68	T	TRANS-1,3-DICHLOROPROPENE	0.358	0.429	-19.8	95	0.00	6.74
69	T	1,1,2-TRICHLOROETHANE	0.291	0.296	-1.7	82	0.00	6.90
70	T	2-HEXANONE	0.534	0.484	9.4	81	0.00	7.85
71	T	ETHYL METHACRYLATE	0.506	0.537	-6.1	84	0.00	7.97
72	T	TETRACHLOROETHENE	0.380	0.381	-0.3	87	0.00	8.99
73	T	DIBROMOCHLOROMETHANE	0.557	0.600	-7.7	82	0.00	7.80
74	T	1,2-DIBROMOETHANE	0.512	0.520	-1.6	80	0.00	8.14
75	T	OCTANE	0.855	0.790	7.6	80	0.00	9.14
76	I	CHLOROBENZENE-D5	1.000	1.000	0.0	83	0.00	10.12
77	T	1,1,1,2-TETRACHLOROETHANE	0.429	0.459	-7.0	86	0.00	10.21
78	T	CHLOROBENZENE	0.968	0.879	9.2	76	0.00	10.20
79	t	ETHYLBENZENE	1.587	1.418	10.6	76	0.00	11.08
80	t	M,P-XYLENE	1.253	1.118	10.8	75	0.00	11.51
81	t	O-XYLENE	1.258	1.118	11.1	75	0.00	12.44
82	T	STYRENE	0.910	0.860	5.5	77	0.00	12.23
83	T	NONANE	0.995	0.887	10.9	75	0.00	13.56
84	T	BROMOFORM	0.544	0.598	-9.9	85	0.00	11.32
85	T	1,1,2,2-TETRACHLOROETHANE	0.886	0.832	6.1	76	0.00	12.45
86	T	1,2,3-TRICHLOROPROPANE	0.716	0.649	9.4	74	0.00	12.74
87	S	4-BROMOFLUOROBENZENE	0.734	0.681	7.2	78	0.00	13.48
88	T	ISOPROPYLBENZENE	0.477	0.439	8.0	76	0.00	13.96
89	T	BROMOBENZENE	0.902	0.818	9.3	75	0.00	13.82
90	T	2-CHLOROTOLUENE	0.437	0.402	8.0	75	0.00	14.96
91	T	N-PROPYLBENZENE	0.491	0.459	6.5	76	0.00	15.30
92	T	4-ETHYLTOLUENE	1.738	1.624	6.6	75	0.00	15.74
93	T	1,3,5-TRIMETHYLBENZENE	1.462	1.314	10.1	73	0.00	15.99
94	T	ALPHA-METHYLSTYRENE	0.777	0.701	9.8	72	0.00	16.27
95	T	TERT-BUTYLBENZENE	0.350	0.319	8.9	76	0.00	16.57
96	T	1,2,4-TRIMETHYLBENZENE	1.528	1.357	11.2	72	0.00	16.58
97	T	BENZYL CHLORIDE	0.445	0.850	-91.0#	125	0.00	16.67
98	T	M-DICHLOROBENZENE	1.020	0.961	5.8	76	0.00	16.64
99	T	P-DICHLOROBENZENE	1.011	0.931	7.9	77	0.00	16.73
100	T	O-DICHLOROBENZENE	0.976	0.892	8.6	76	0.00	17.04

Continuing Calibration Summary

Job Number: JE2487 **Sample:** V7W387-CC305
Account: GESNYP Groundwater & Environmental Services **Lab FileID:** 7W10576.D
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

101	T	SEC-BUTYLBENZENE	0.440	0.410	6.8	75	0.00	16.87
102	T	1,2,3-TRIMETHYLBENZENE	1.547	1.334	13.8	71	0.00	16.99
103	T	P-ISOPROPYLTOLUENE	0.491	0.444	9.6	73	0.00	17.06
104	T	N-BUTYLBENZENE	0.488	0.445	8.8	73	0.00	17.42
105	T	HEXACHLOROETHANE	0.473	0.499	-5.5	85	0.00	17.60
106	T	HEXACHLOROBUTADIENE	0.734	0.703	4.2	82	-0.01	18.65
107	T	1,2,4-TRICHLOROBENZENE	0.977	0.850	13.0	74	0.00	18.34
108	T	NAPHTHALENE	2.554	1.975	22.7	68	-0.01	18.39
109	I	BROMOCHLOROMETHANE (A)	1.000	1.000	0.0	79	0.01	3.28
110		TVHC as equiv Pentane	8.679	7.045	18.8	68	0.00	2.31

(#) = Out of Range SPCC's out = 0 CCC's out = 0
7w07980.D M7W305.M Tue Nov 19 04:47:41 2024

Continuing Calibration Summary

Job Number: JE2487 **Sample:** V7W392-CC305
Account: GESNYP Groundwater & Environmental Services **Lab FileID:** 7W10743.D
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\g...2024\V7W392\7w10743.D Vial: 2
Acq On : 25 Nov 2024 9:11 am Operator: williamc
Sample : cc305-10 Inst : MS7W
Misc : MS87372,v7w392,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7W305.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
Last Update : Thu Aug 29 00:13:42 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	95	0.00	3.27
2	T	FREON 115	1.282	1.597	-24.6	106	0.00	1.62
3	T	FREON 152A	0.692	0.845	-22.1	116	0.00	1.65
4	T	CHLORODIFLUOROMETHANE	0.334	0.367	-9.9	103	0.00	1.66
5	T	CHLOROTRIFLUOROETHENE	1.623	1.750	-7.8	104	0.00	1.68
6	T	DICHLORODIFLUOROMETHANE	4.010	4.015	-0.1	92	0.00	1.69
7	T	PROPYLENE	0.958	1.036	-8.1	109	0.00	1.67
8	T	1-CHLORO-1,1-DIFLUOROETHA	3.357	3.440	-2.5	95	0.00	1.73
9	T	FREON 114	3.411	3.591	-5.3	97	0.00	1.77
10	T	CHLOROMETHANE	0.519	0.525	-1.2	102	0.00	1.74
11	T	VINYL CHLORIDE	1.597	1.831	-14.7	108	0.00	1.80
12	t	1,3-BUTADIENE	1.298	1.394	-7.4	102	0.00	1.84
13	T	N-BUTANE	2.371	2.511	-5.9	99	0.00	1.86
14	T	BROMOMETHANE	1.277	1.268	0.7	95	0.00	1.91
15	T	CHLOROETHANE	0.818	0.894	-9.3	101	0.00	1.97
16	T	DICHLOROFLUOROMETHANE	3.126	3.273	-4.7	96	0.00	1.99
17	T	ACETONITRILE	1.552	1.517	2.3	101	0.00	2.06
18	T	ACROLEIN	0.779	0.741	4.9	92	0.00	2.10
19	T	FREON 123	3.176	3.251	-2.4	96	0.00	2.11
20	T	FREON 123A	1.822	1.740	4.5	88	0.00	2.13
21	T	TRICHLOROFLUOROMETHANE	3.596	3.411	5.1	87	0.00	2.20
22	T	ISOPROPYL ALCOHOL	3.387	3.192	5.8	93	0.00	2.22
23	T	ACETONE	0.923	0.924	-0.1	104	0.00	2.14
24	T	PENTANE	1.720	1.710	0.6	99	0.00	2.31
25	T	IODOMETHANE	3.102	2.955	4.7	86	0.00	2.37
26	T	1,1-DICHLOROETHYLENE	1.338	1.347	-0.7	94	0.00	2.40
27	T	CARBON DISULFIDE	3.900	4.075	-4.5	96	0.01	2.53
28	T	ETHANOL	0.925	0.966	-4.4	106	0.00	2.00
29	T	BROMOETHENE	1.221	1.218	0.2	92	0.00	2.07
30	T	ACRYLONITRILE	1.255	1.180	6.0	96	0.00	2.28
31	T	METHYLENE CHLORIDE	1.377	1.321	4.1	99	0.00	2.44
32	T	3-CHLOROPROPENE	0.705	0.729	-3.4	99	0.00	2.48
33	T	FREON 113	2.106	1.904	9.6	83	0.00	2.53
34	T	TRANS-1,2-DICHLOROETHENE	1.305	1.312	-0.5	95	0.00	2.76
35	T	TERTIARY BUTYL ALCOHOL	3.251	3.494	-7.5	98	0.00	2.42
36	t	METHYL TERTIARY BUTYL ETH	3.279	3.587	-9.4	103	0.00	2.87
37	T	TETRAHYDROFURAN	0.625	0.694	-11.0	99	0.00	3.56
38	T	HEXANE	2.729	2.834	-3.8	101	0.00	3.33
39	T	VINYL ACETATE	0.298	0.330	-10.7	103	0.00	2.91
40	T	1,1-DICHLOROETHANE	2.432	2.841	-16.8	110	0.00	2.84
41	T	METHYL ETHYL KETONE	0.665	0.732	-10.1	103	0.00	3.00
42	T	CIS-1,2-DICHLOROETHENE	1.384	1.473	-6.4	101	0.00	3.20

Continuing Calibration Summary

Job Number: JE2487 **Sample:** V7W392-CC305
Account: GESNYP Groundwater & Environmental Services **Lab FileID:** 7W10743.D
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

43	T	DIISOPROPYL ETHER	0.710	0.788	-11.0	101	0.00	3.33
44	T	ETHYL ACETATE	0.522	0.571	-9.4	102	0.00	3.34
45	T	METHYL ACRYLATE	2.989	3.277	-9.6	99	0.00	3.32
46	T	CHLOROFORM	2.799	2.905	-3.8	96	0.00	3.35
47	T	2,4-DIMETHYLPENTANE	2.920	3.178	-8.8	102	0.00	3.84
48	T	1,1,1-TRICHLOROETHANE	2.548	2.774	-8.9	103	0.00	3.92
49	T	CARBON TETRACHLORIDE	2.501	2.738	-9.5	100	0.00	4.34
50	T	1,2-DICHLOROETHANE	2.123	2.191	-3.2	97	0.00	3.75
51	t	BENZENE	4.119	4.181	-1.5	99	0.00	4.23
52	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	99	0.00	4.55
53	T	CYCLOHEXANE	0.353	0.363	-2.8	102	0.00	4.44
54	T	2,3-DIMETHYLPENTANE	0.181	0.188	-3.9	101	0.00	4.69
55	T	TRICHLOROETHENE	0.383	0.373	2.6	97	0.00	5.13
56	T	1,2-DICHLOROPROPANE	0.341	0.367	-7.6	105	0.00	4.89
57	T	DIBROMOMETHANE	0.321	0.317	1.2	100	0.00	4.85
58	T	ETHYL ACRYLATE	0.731	0.756	-3.4	100	0.00	5.01
59	T	BROMODICHLOROMETHANE	0.588	0.611	-3.9	98	0.00	5.07
60	T	2,2,4-TRIMETHYLPENTANE	1.619	1.632	-0.8	100	0.00	5.22
61	T	1,4-DIOXANE	0.210	0.199	5.2	96	-0.01	5.15
62	T	HEPTANE	0.568	0.526	7.4	93	0.00	5.54
63	T	METHYL METHACRYLATE	0.306	0.310	-1.3	100	0.00	5.43
64	T	METHYL ISOBUTYL KETONE	0.350	0.325	7.1	97	0.00	6.18
65	T	CIS-1,3-DICHLOROPROPENE	0.437	0.489	-11.9	104	0.00	6.06
66	T	TOLUENE	1.064	0.993	6.7	92	0.00	7.27
67	T	1,3-DICHLOROPROPANE	0.523	0.515	1.5	95	0.00	7.33
68	T	TRANS-1,3-DICHLOROPROPENE	0.358	0.425	-18.7	113	0.00	6.74
69	T	1,1,2-TRICHLOROETHANE	0.291	0.301	-3.4	100	0.00	6.90
70	T	2-HEXANONE	0.534	0.459	14.0	92	0.00	7.85
71	T	ETHYL METHACRYLATE	0.506	0.522	-3.2	98	0.00	7.97
72	T	TETRACHLOROETHENE	0.380	0.379	0.3	104	0.00	8.99
73	T	DIBROMOCHLOROMETHANE	0.557	0.577	-3.6	95	0.00	7.80
74	T	1,2-DIBROMOETHANE	0.512	0.526	-2.7	98	0.00	8.14
75	T	OCTANE	0.855	0.739	13.6	90	0.00	9.14
76	I	CHLOROBENZENE-D5	1.000	1.000	0.0	90	0.00	10.12
77	T	1,1,1,2-TETRACHLOROETHANE	0.429	0.507	-18.2	103	0.00	10.21
78	T	CHLOROBENZENE	0.968	0.982	-1.4	91	0.00	10.20
79	t	ETHYLBENZENE	1.587	1.539	3.0	89	0.00	11.08
80	t	M,P-XYLENE	1.253	1.217	2.9	88	0.00	11.51
81	t	O-XYLENE	1.258	1.228	2.4	88	0.00	12.44
82	T	STYRENE	0.910	0.932	-2.4	91	0.00	12.23
83	T	NONANE	0.995	0.955	4.0	88	0.00	13.56
84	T	BROMOFORM	0.544	0.603	-10.8	93	0.00	11.32
85	T	1,1,2,2-TETRACHLOROETHANE	0.886	0.948	-7.0	94	0.00	12.46
86	T	1,2,3-TRICHLOROPROPANE	0.716	0.736	-2.8	91	0.00	12.74
87	S	4-BROMOFLUOROBENZENE	0.734	0.716	2.5	89	0.00	13.48
88	T	ISOPROPYLBENZENE	0.477	0.492	-3.1	92	0.00	13.95
89	T	BROMOBENZENE	0.902	0.910	-0.9	90	0.00	13.82
90	T	2-CHLOROTOLUENE	0.437	0.455	-4.1	92	0.00	14.96
91	T	N-PROPYLBENZENE	0.491	0.517	-5.3	92	0.00	15.30
92	T	4-ETHYLTOLUENE	1.738	1.764	-1.5	88	0.00	15.74
93	T	1,3,5-TRIMETHYLBENZENE	1.462	1.445	1.2	87	0.00	16.00
94	T	ALPHA-METHYLSTYRENE	0.777	0.776	0.1	87	0.00	16.27
95	T	TERT-BUTYLBENZENE	0.350	0.360	-2.9	92	0.00	16.57
96	T	1,2,4-TRIMETHYLBENZENE	1.528	1.525	0.2	87	0.00	16.58
97	T	BENZYL CHLORIDE	0.445	0.913	-105.2#	145#	0.00	16.67
98	T	M-DICHLOROBENZENE	1.020	1.065	-4.4	91	0.00	16.64
99	T	P-DICHLOROBENZENE	1.011	1.028	-1.7	91	0.00	16.73
100	T	O-DICHLOROBENZENE	0.976	0.983	-0.7	91	0.00	17.04

Continuing Calibration Summary

Job Number: JE2487 **Sample:** V7W392-CC305
Account: GESNYP Groundwater & Environmental Services **Lab FileID:** 7W10743.D
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

101	T	SEC-BUTYLBENZENE	0.440	0.463	-5.2	92	0.00	16.87
102	T	1,2,3-TRIMETHYLBENZENE	1.547	1.509	2.5	87	0.00	16.99
103	T	P-ISOPROPYLTOLUENE	0.491	0.518	-5.5	92	0.00	17.06
104	T	N-BUTYLBENZENE	0.488	0.511	-4.7	90	0.00	17.42
105	T	HEXACHLOROETHANE	0.473	0.554	-17.1	101	0.00	17.60
106	T	HEXACHLOROBUTADIENE	0.734	0.795	-8.3	100	0.00	18.66
107	T	1,2,4-TRICHLOROBENZENE	0.977	0.971	0.6	92	0.00	18.35
108	T	NAPHTHALENE	2.554	2.197	14.0	82	0.00	18.40
109	I	BROMOCHLOROMETHANE (A)	1.000	1.000	0.0	95	0.00	3.27
110		TVHC as equiv Pentane	8.679	8.196	5.6	95	0.00	2.31

(#) = Out of Range SPCC's out = 0 CCC's out = 0
7w07980.D M7W305.M Mon Nov 25 21:33:21 2024

6.9.14

6

Run Sequence Report

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Run ID: V3W3499 **Method:** TO-15 **Instrument ID:** GCMS3W

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V3W3499-BFB	3W88654.D	09/09/24 02:29	n/a	BFB Tune
V3W3499-IC3499	3W88655.D	09/09/24 03:09	n/a	Initial cal 0.04
V3W3499-IC3499	3W88656.D	09/09/24 03:49	n/a	Initial cal 0.1
V3W3499-IC3499	3W88657.D	09/09/24 04:30	n/a	Initial cal 0.2
V3W3499-IC3499	3W88659.D	09/09/24 05:54	n/a	Initial cal 0.5
V3W3499-IC3499	3W88661.D	09/09/24 07:18	n/a	Initial cal 5
V3W3499-ICC3499	3W88662.D	09/09/24 07:57	n/a	Initial cal 10
V3W3499-IC3499	3W88663.D	09/09/24 08:38	n/a	Initial cal 20
V3W3499-IC3499	3W88664.D	09/09/24 09:22	n/a	Initial cal 40
V3W3499-ICV3499	3W88669.D	09/09/24 13:02	n/a	Initial cal verification 10

Run Sequence Report

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Run ID: V3W3503 **Method:** TO-15 **Instrument ID:** GCMS3W

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V3W3503-BFB	3W88778.D	09/19/24 12:37	n/a	BFB Tune
V3W3503-CC3499	3W88779.D	09/19/24 13:17	n/a	Continuing cal 10
V3W3503-BS	3W88780.D	09/19/24 14:24	n/a	Blank Spike
V3W3503-BSD	3W88781.D	09/19/24 15:04	n/a	Blank Spike Duplicate
V3W3503-MB	3W88783.D	09/19/24 16:37	n/a	Method Blank
ZZZZZZ	3W88784.D	09/19/24 17:51	n/a	(unrelated sample)
JD96175-2	3W88785.D	09/19/24 18:39	n/a	(used for QC only; not part of job JE2487)
JD96175-2DUP	3W88786.D	09/19/24 19:28	n/a	Duplicate
ZZZZZZ	3W88787.D	09/19/24 20:18	n/a	(unrelated sample)
ZZZZZZ	3W88788.D	09/19/24 21:08	n/a	(unrelated sample)
ZZZZZZ	3W88789.D	09/19/24 21:54	n/a	(unrelated sample)
ZZZZZZ	3W88790.D	09/19/24 22:40	n/a	(unrelated sample)
ZZZZZZ	3W88791.D	09/19/24 23:26	n/a	(unrelated sample)
ZZZZZZ	3W88792.D	09/20/24 00:12	n/a	(unrelated sample)
V3W3503-SCC	3W88797.D	09/20/24 03:46	n/a	Summa Cleaning Certification
V3W3503-SCC	3W88798.D	09/20/24 04:31	n/a	Summa Cleaning Certification
V3W3503-SCC	3W88801.D	09/20/24 06:48	n/a	Summa Cleaning Certification
V3W3503-SCC	3W88802.D	09/20/24 07:33	n/a	Summa Cleaning Certification
V3W3503-SCC	3W88804.D	09/20/24 09:04	n/a	Summa Cleaning Certification

Run Sequence Report

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Run ID: V5W2125	**Method:** TO-15	**Instrument ID:** GCMS5W

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V5W2125-BFB	5W55458.D	12/09/24 03:34	n/a	BFB Tune
V5W2125-IC2125	5W55459.D	12/09/24 04:14	n/a	Initial cal 0.04
V5W2125-IC2125	5W55460.D	12/09/24 04:54	n/a	Initial cal 0.1
V5W2125-IC2125	5W55461.D	12/09/24 05:35	n/a	Initial cal 0.2
V5W2125-IC2125	5W55463.D	12/09/24 06:59	n/a	Initial cal 0.5
V5W2125-IC2125	5W55464.D	12/09/24 07:45	n/a	Initial cal 5
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	n/a	Initial cal 10
V5W2125-IC2125	5W55467.D	12/09/24 09:45	n/a	Initial cal 20
V5W2125-IC2125	5W55468.D	12/09/24 10:29	n/a	Initial cal 40
V5W2125-IC2125	5W55469.D	12/09/24 11:14	n/a	Initial cal 50
V5W2125-ICV2125	5W55473.D	12/09/24 13:55	n/a	Initial cal verification 10

Run Sequence Report

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Run ID: V5W2132 **Method:** TO-15 **Instrument ID:** GCMS5W

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V5W2132-BFB	5W55663.D	12/16/24 12:41	n/a	BFB Tune
V5W2132-CC2125	5W55664.D	12/16/24 13:21	n/a	Continuing cal 10
V5W2132-BS	5W55665.D	12/16/24 14:48	n/a	Blank Spike
V5W2132-BSD	5W55666.D	12/16/24 15:29	n/a	Blank Spike Duplicate
V5W2132-MB	5W55670.D	12/16/24 18:38	n/a	Method Blank
V5W2132-SCC	5W55670A.D	12/16/24 18:38	n/a	Summa Cleaning Certification
V5W2132-SCC	5W55671.D	12/16/24 19:23	n/a	Summa Cleaning Certification
V5W2132-SCC	5W55672.D	12/16/24 20:09	n/a	Summa Cleaning Certification
JE2487-2	5W55673.D	12/16/24 20:57	n/a	IA-5
JE2487-4	5W55674.D	12/16/24 21:45	n/a	IA-6
JE2487-4DUP	5W55675.D	12/16/24 22:33	n/a	Duplicate
JE2487-6	5W55676.D	12/16/24 23:21	n/a	DUP IA
ZZZZZZ	5W55677.D	12/17/24 00:02	n/a	(unrelated sample)
ZZZZZZ	5W55678.D	12/17/24 00:43	n/a	(unrelated sample)
ZZZZZZ	5W55679.D	12/17/24 01:22	n/a	(unrelated sample)
ZZZZZZ	5W55680.D	12/17/24 02:03	n/a	(unrelated sample)
ZZZZZZ	5W55681.D	12/17/24 02:43	n/a	(unrelated sample)
ZZZZZZ	5W55682.D	12/17/24 03:24	n/a	(unrelated sample)
ZZZZZZ	5W55683.D	12/17/24 04:05	n/a	(unrelated sample)
ZZZZZZ	5W55684.D	12/17/24 04:46	n/a	(unrelated sample)
ZZZZZZ	5W55685.D	12/17/24 05:27	n/a	(unrelated sample)
ZZZZZZ	5W55686.D	12/17/24 06:08	n/a	(unrelated sample)
V5W2132-SCC	5W55688.D	12/17/24 07:34	n/a	Summa Cleaning Certification
ZZZZZZ	5W55689.D	12/17/24 08:21	n/a	(unrelated sample)
ZZZZZZ	5W55690.D	12/17/24 09:07	n/a	(unrelated sample)
ZZZZZZ	5W55691.D	12/17/24 09:53	n/a	(unrelated sample)
ZZZZZZ	5W55692.D	12/17/24 10:53	n/a	(unrelated sample)
ZZZZZZ	5W55693.D	12/17/24 11:40	n/a	(unrelated sample)

Run Sequence Report

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Run ID: V5W2133	**Method:** TO-15	**Instrument ID:** GCMS5W

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V5W2133-BFB	5W55699.D	12/17/24 19:52	n/a	BFB Tune
V5W2133-CC2125	5W55700.D	12/17/24 20:32	n/a	Continuing cal 10
V5W2133-BS	5W55701.D	12/17/24 21:13	n/a	Blank Spike
V5W2133-BSD	5W55703.D	12/17/24 22:35	n/a	Blank Spike Duplicate
V5W2133-MB	5W55706.D	12/18/24 00:51	n/a	Method Blank
V5W2133-SCC	5W55707.D	12/18/24 01:36	n/a	Summa Cleaning Certification
V5W2133-SCC	5W55708.D	12/18/24 02:22	n/a	Summa Cleaning Certification
V5W2133-SCC	5W55709.D	12/18/24 03:08	n/a	Summa Cleaning Certification
V5W2133-SCC	5W55710.D	12/18/24 03:55	n/a	Summa Cleaning Certification
V5W2133-SCC	5W55711.D	12/18/24 04:42	n/a	Summa Cleaning Certification
V5W2133-SCC	5W55712.D	12/18/24 05:29	n/a	Summa Cleaning Certification
V5W2133-SCC	5W55713.D	12/18/24 06:16	n/a	Summa Cleaning Certification
V5W2133-SCC	5W55714.D	12/18/24 07:02	n/a	Summa Cleaning Certification
JE2488-2	5W55716.D	12/18/24 08:40	n/a	(used for QC only; not part of job JE2487)
JE2488-2DUP	5W55717.D	12/18/24 09:29	n/a	Duplicate
ZZZZZZ	5W55721.D	12/18/24 12:42	n/a	(unrelated sample)
ZZZZZZ	5W55722.D	12/18/24 13:30	n/a	(unrelated sample)
ZZZZZZ	5W55723.D	12/18/24 14:18	n/a	(unrelated sample)
JE2487-2	5W55724.D	12/18/24 14:59	n/a	IA-5
JE2487-4	5W55725.D	12/18/24 15:40	n/a	IA-6

Run Sequence Report

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Run ID: V5W2135	**Method:** TO-15	**Instrument ID:** GCMS5W

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V5W2135-BFB	5W55751.D	12/19/24 15:40	n/a	BFB Tune
V5W2135-CC2125	5W55752.D	12/19/24 16:21	n/a	Continuing cal 10
V5W2135-BS	5W55753.D	12/19/24 17:20	n/a	Blank Spike
V5W2135-BSD	5W55754.D	12/19/24 18:00	n/a	Blank Spike Duplicate
V5W2135-MB	5W55756.D	12/19/24 19:38	n/a	Method Blank
V5W2135-SCC	5W55757.D	12/19/24 20:18	n/a	Summa Cleaning Certification
V5W2135-SCC	5W55758.D	12/19/24 20:59	n/a	Summa Cleaning Certification
V5W2135-SCC	5W55759.D	12/19/24 21:40	n/a	Summa Cleaning Certification
V5W2135-SCC	5W55760.D	12/19/24 22:21	n/a	Summa Cleaning Certification
V5W2135-SCC	5W55761.D	12/19/24 23:01	n/a	Summa Cleaning Certification
V5W2135-SCC	5W55762.D	12/19/24 23:42	n/a	Summa Cleaning Certification
JE2666-1	5W55763.D	12/20/24 00:24	n/a	(used for QC only; not part of job JE2487)
JE2666-1DUP	5W55764.D	12/20/24 01:06	n/a	Duplicate
ZZZZZZ	5W55765.D	12/20/24 01:51	n/a	(unrelated sample)
ZZZZZZ	5W55766.D	12/20/24 02:38	n/a	(unrelated sample)
ZZZZZZ	5W55767.D	12/20/24 03:26	n/a	(unrelated sample)
JE2487-1	5W55768.D	12/20/24 04:13	n/a	SS-5
JE2487-3	5W55769.D	12/20/24 04:55	n/a	SS-6
JE2487-5	5W55770.D	12/20/24 05:43	n/a	DUP SS
JE2487-6	5W55771.D	12/20/24 06:26	n/a	DUP IA
ZZZZZZ	5W55772.D	12/20/24 07:15	n/a	(unrelated sample)
ZZZZZZ	5W55773.D	12/20/24 08:03	n/a	(unrelated sample)

Run Sequence Report

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Run ID: V5W2138	**Method:** TO-15	**Instrument ID:** GCMS5W

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V5W2138-BFB	5W55818.D	12/23/24 08:13	n/a	BFB Tune
V5W2138-CC2125	5W55819.D	12/23/24 09:11	n/a	Continuing cal 10
V5W2138-BS	5W55820.D	12/23/24 10:07	n/a	Blank Spike
V5W2138-BSD	5W55821.D	12/23/24 11:17	n/a	Blank Spike Duplicate
V5W2138-MB	5W55823.D	12/23/24 12:54	n/a	Method Blank
V5W2138-SCC	5W55824.D	12/23/24 14:29	n/a	Summa Cleaning Certification
JE2315-1	5W55825.D	12/23/24 15:24	n/a	(used for QC only; not part of job JE2487)
JE2315-1DUP	5W55826.D	12/23/24 16:11	n/a	Duplicate
JE2487-1	5W55827.D	12/23/24 16:52	n/a	SS-5
JE2487-5	5W55828.D	12/23/24 17:34	n/a	DUP SS
ZZZZZZ	5W55829.D	12/23/24 18:20	n/a	(unrelated sample)
ZZZZZZ	5W55830.D	12/23/24 19:01	n/a	(unrelated sample)
ZZZZZZ	5W55831.D	12/23/24 19:43	n/a	(unrelated sample)
ZZZZZZ	5W55832.D	12/23/24 20:23	n/a	(unrelated sample)
ZZZZZZ	5W55833.D	12/23/24 21:09	n/a	(unrelated sample)
ZZZZZZ	5W55834.D	12/23/24 21:56	n/a	(unrelated sample)
ZZZZZZ	5W55835.D	12/23/24 22:42	n/a	(unrelated sample)
ZZZZZZ	5W55836.D	12/23/24 23:28	n/a	(unrelated sample)
ZZZZZZ	5W55837.D	12/24/24 00:14	n/a	(unrelated sample)
ZZZZZZ	5W55838.D	12/24/24 01:01	n/a	(unrelated sample)
ZZZZZZ	5W55839.D	12/24/24 01:54	n/a	(unrelated sample)
ZZZZZZ	5W55840.D	12/24/24 02:41	n/a	(unrelated sample)

Run Sequence Report

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Run ID: V7W305	**Method:** TO-15	**Instrument ID:** GCMS7W

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V7W305-BFB	7W07974.D	08/18/24 21:06	n/a	BFB Tune
V7W305-IC305	7W07975.D	08/18/24 21:40	n/a	Initial cal 0.04
V7W305-IC305	7W07976.D	08/18/24 22:13	n/a	Initial cal 0.10
V7W305-IC305	7W07977.D	08/18/24 22:49	n/a	Initial cal 0.20
V7W305-IC305	7W07978.D	08/18/24 23:22	n/a	Initial cal 0.50
V7W305-IC305	7W07979.D	08/19/24 00:01	n/a	Initial cal 5
V7W305-ICC305	7W07980.D	08/19/24 00:35	n/a	Initial cal 10
V7W305-IC305	7W07981.D	08/19/24 01:10	n/a	Initial cal 20
V7W305-IC305	7W07982.D	08/19/24 01:48	n/a	Initial cal 40
V7W305-IC305	7W07983.D	08/19/24 02:28	n/a	Initial cal 50
V7W305-ICV305	7W07990.D	08/19/24 06:28	n/a	Initial cal verification 10

Run Sequence Report

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Run ID: V7W379 **Method:** TO-15 **Instrument ID:** GCMS7W

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V7W379-BFB	7W10298.D	11/06/24 08:30	n/a	BFB Tune
V7W379-CC305	7W10299.D	11/06/24 09:06	n/a	Continuing cal 10
V7W379-BS	7W10300.D	11/06/24 09:45	n/a	Blank Spike
V7W379-BSD	7W10301.D	11/06/24 10:21	n/a	Blank Spike Duplicate
V7W379-MB	7W10303.D	11/06/24 11:42	n/a	Method Blank
JD98975-1	7W10304.D	11/06/24 12:44	n/a	(used for QC only; not part of job JE2487)
JD98975-1DUP	7W10305.D	11/06/24 13:27	n/a	Duplicate
ZZZZZZ	7W10306.D	11/06/24 14:10	n/a	(unrelated sample)
ZZZZZZ	7W10307.D	11/06/24 14:56	n/a	(unrelated sample)
ZZZZZZ	7W10308.D	11/06/24 15:39	n/a	(unrelated sample)
ZZZZZZ	7W10309.D	11/06/24 16:22	n/a	(unrelated sample)
ZZZZZZ	7W10310.D	11/06/24 16:58	n/a	(unrelated sample)
V7W379-SCC	7W10311.D	11/06/24 17:39	n/a	Summa Cleaning Certification
V7W379-SCC	7W10312.D	11/06/24 18:20	n/a	Summa Cleaning Certification
V7W379-SCC	7W10313.D	11/06/24 19:01	n/a	Summa Cleaning Certification
V7W379-SCC	7W10314.D	11/06/24 19:42	n/a	Summa Cleaning Certification
V7W379-SCC	7W10315.D	11/06/24 20:23	n/a	Summa Cleaning Certification
V7W379-SCC	7W10316.D	11/06/24 21:04	n/a	Summa Cleaning Certification
V7W379-SCC	7W10317.D	11/06/24 21:45	n/a	Summa Cleaning Certification
V7W379-SCC	7W10318.D	11/06/24 22:26	n/a	Summa Cleaning Certification
V7W379-SCC	7W10319.D	11/06/24 23:07	n/a	Summa Cleaning Certification
V7W379-SCC	7W10321.D	11/07/24 00:24	n/a	Summa Cleaning Certification
V7W379-SCC	7W10322.D	11/07/24 01:00	n/a	Summa Cleaning Certification
V7W379-SCC	7W10323.D	11/07/24 01:35	n/a	Summa Cleaning Certification
V7W379-SCC	7W10324.D	11/07/24 02:11	n/a	Summa Cleaning Certification
V7W379-SCC	7W10325.D	11/07/24 02:47	n/a	Summa Cleaning Certification
V7W379-SCC	7W10326.D	11/07/24 03:28	n/a	Summa Cleaning Certification
V7W379-SCC	7W10327.D	11/07/24 04:10	n/a	Summa Cleaning Certification
V7W379-SCC	7W10328.D	11/07/24 04:51	n/a	Summa Cleaning Certification
V7W379-SCC	7W10329.D	11/07/24 05:32	n/a	Summa Cleaning Certification
V7W379-SCC	7W10330.D	11/07/24 06:14	n/a	Summa Cleaning Certification
V7W379-SCC	7W10331.D	11/07/24 06:55	n/a	Summa Cleaning Certification
V7W379-SCC	7W10332.D	11/07/24 07:37	n/a	Summa Cleaning Certification
V7W379-SCC	7W10333.D	11/07/24 08:18	n/a	Summa Cleaning Certification

Run Sequence Report

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Run ID: V7W387 **Method:** TO-15 **Instrument ID:** GCMS7W

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V7W387-BFB	7W10575.D	11/18/24 08:59	n/a	BFB Tune
V7W387-CC305	7W10576.D	11/18/24 09:35	n/a	Continuing cal 10
V7W387-BS	7W10577.D	11/18/24 10:11	n/a	Blank Spike
V7W387-BSD	7W10578.D	11/18/24 10:46	n/a	Blank Spike Duplicate
V7W387-MB	7W10580.D	11/18/24 12:04	n/a	Method Blank
JD99820-1	7W10582.D	11/18/24 13:59	n/a	(used for QC only; not part of job JE2487)
JD99820-1DUP	7W10583.D	11/18/24 14:40	n/a	Duplicate
ZZZZZZ	7W10584.D	11/18/24 15:21	n/a	(unrelated sample)
ZZZZZZ	7W10586.D	11/18/24 16:44	n/a	(unrelated sample)
ZZZZZZ	7W10587.D	11/18/24 17:25	n/a	(unrelated sample)
ZZZZZZ	7W10588.D	11/18/24 18:07	n/a	(unrelated sample)
ZZZZZZ	7W10590.D	11/18/24 19:30	n/a	(unrelated sample)
ZZZZZZ	7W10591.D	11/18/24 20:11	n/a	(unrelated sample)
ZZZZZZ	7W10592.D	11/18/24 20:52	n/a	(unrelated sample)
ZZZZZZ	7W10593.D	11/18/24 21:28	n/a	(unrelated sample)
ZZZZZZ	7W10594.D	11/18/24 22:04	n/a	(unrelated sample)
ZZZZZZ	7W10595.D	11/18/24 22:41	n/a	(unrelated sample)
ZZZZZZ	7W10597.D	11/18/24 23:53	n/a	(unrelated sample)
ZZZZZZ	7W10598.D	11/19/24 00:29	n/a	(unrelated sample)
ZZZZZZ	7W10599.D	11/19/24 01:06	n/a	(unrelated sample)
ZZZZZZ	7W10601.D	11/19/24 02:18	n/a	(unrelated sample)
ZZZZZZ	7W10602.D	11/19/24 02:55	n/a	(unrelated sample)
V7W387-SCC	7W10603.D	11/19/24 03:31	n/a	Summa Cleaning Certification
V7W387-SCC	7W10604.D	11/19/24 04:07	n/a	Summa Cleaning Certification
V7W387-SCC	7W10605.D	11/19/24 04:48	n/a	Summa Cleaning Certification
V7W387-SCC	7W10606.D	11/19/24 05:29	n/a	Summa Cleaning Certification
V7W387-SCC	7W10607.D	11/19/24 06:10	n/a	Summa Cleaning Certification
ZZZZZZ	7W10608.D	11/19/24 06:51	n/a	(unrelated sample)

Run Sequence Report

Job Number: JE2487
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Run ID: V7W392	**Method:** TO-15	**Instrument ID:** GCMS7W

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V7W392-BFB	7W10742.D	11/25/24 08:36	n/a	BFB Tune
V7W392-CC305	7W10743.D	11/25/24 09:11	n/a	Continuing cal 10
V7W392-BS	7W10744.D	11/25/24 09:50	n/a	Blank Spike
V7W392-BSD	7W10745.D	11/25/24 10:26	n/a	Blank Spike Duplicate
V7W392-MB	7W10747.D	11/25/24 11:46	n/a	Method Blank
ZZZZZZ	7W10748.D	11/25/24 12:29	n/a	(unrelated sample)
ZZZZZZ	7W10749.D	11/25/24 13:04	n/a	(unrelated sample)
ZZZZZZ	7W10750.D	11/25/24 13:39	n/a	(unrelated sample)
ZZZZZZ	7W10751.D	11/25/24 14:14	n/a	(unrelated sample)
ZZZZZZ	7W10752.D	11/25/24 14:56	n/a	(unrelated sample)
JE994-2	7W10754.D	11/25/24 16:07	n/a	(used for QC only; not part of job JE2487)
ZZZZZZ	7W10757.D	11/25/24 17:55	n/a	(unrelated sample)
ZZZZZZ	7W10758.D	11/25/24 18:30	n/a	(unrelated sample)
ZZZZZZ	7W10759.D	11/25/24 19:05	n/a	(unrelated sample)
ZZZZZZ	7W10760.D	11/25/24 19:40	n/a	(unrelated sample)
ZZZZZZ	7W10761.D	11/25/24 20:16	n/a	(unrelated sample)
ZZZZZZ	7W10763.D	11/25/24 21:26	n/a	(unrelated sample)
ZZZZZZ	7W10764.D	11/25/24 22:01	n/a	(unrelated sample)
JE1061-10	7W10765.D	11/25/24 22:38	n/a	(used for QC only; not part of job JE2487)
ZZZZZZ	7W10766.D	11/25/24 23:19	n/a	(unrelated sample)
ZZZZZZ	7W10767.D	11/26/24 00:00	n/a	(unrelated sample)
ZZZZZZ	7W10768.D	11/26/24 00:42	n/a	(unrelated sample)
ZZZZZZ	7W10771.D	11/26/24 02:42	n/a	(unrelated sample)
V7W392-SCC	7W10772.D	11/26/24 03:23	n/a	Summa Cleaning Certification
V7W392-SCC	7W10773.D	11/26/24 04:04	n/a	Summa Cleaning Certification
V7W392-SCC	7W10774.D	11/26/24 04:44	n/a	Summa Cleaning Certification
V7W392-SCC	7W10775.D	11/26/24 05:25	n/a	Summa Cleaning Certification
V7W392-SCC	7W10777.D	11/26/24 06:47	n/a	Summa Cleaning Certification
JE1061-10DUP	7W10779.D	11/26/24 08:24	n/a	Duplicate

MS Volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-20-2024\V5w2135\
Data File : 5w55768.D
Acq On : 20 Dec 2024 4:13 am
Operator : thomash
Sample : je2487-1 Inst : GCMS5W
Misc : MS88104,V5W2135,400,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 20 17:10:34 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

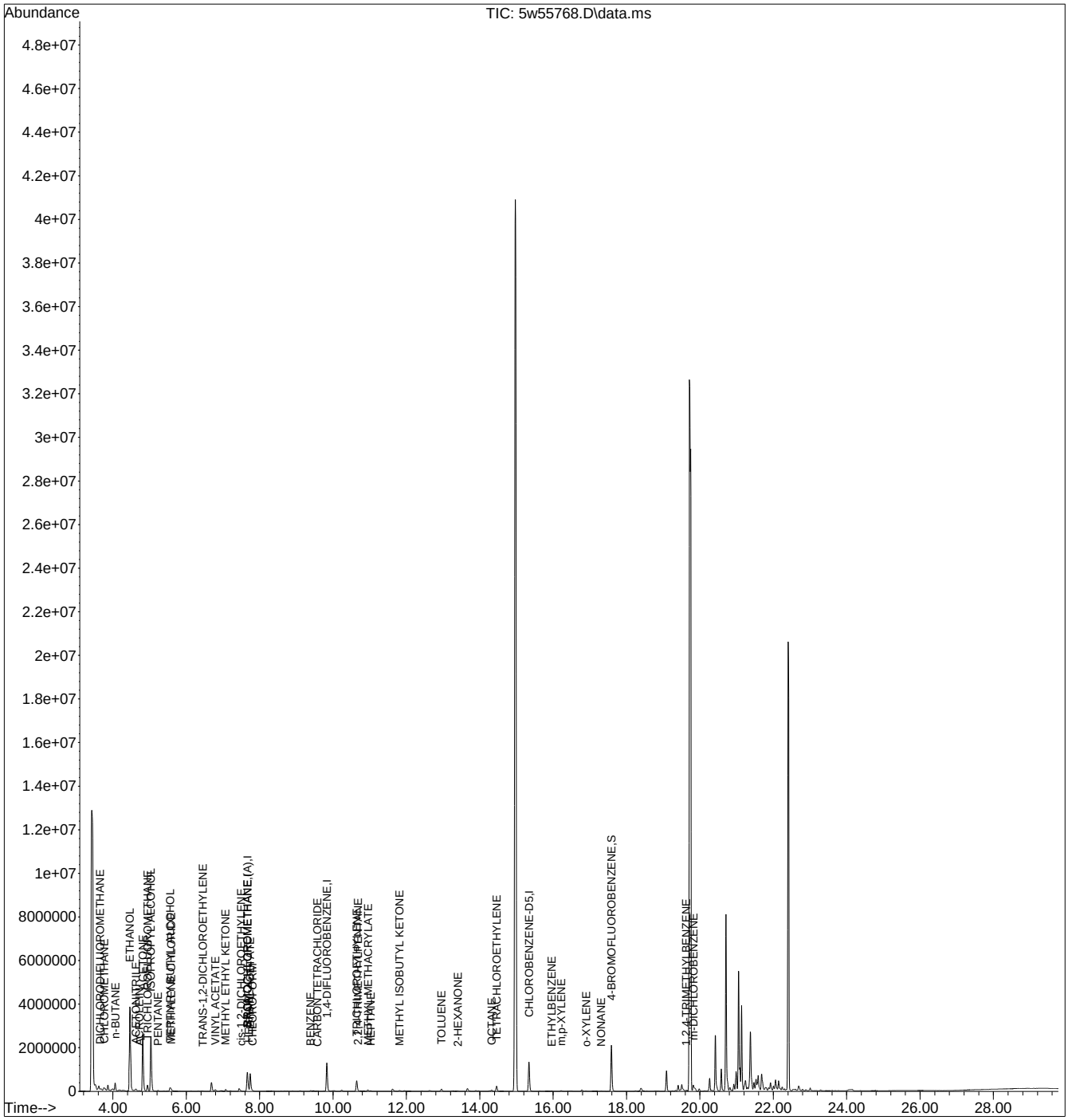
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	7.663	128	220726	10.00	PPBV	# 0.00
51) 1,4-DIFLUOROBENZENE	9.828	114	1092546	10.00	PPBV	0.00
70) CHLOROBENZENE-D5	15.340	82	537900	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	7.663	128	220726	10.00	PPBV	# 0.00
System Monitoring Compounds						
85) 4-BROMOFLUOROBENZENE	17.586	95	744256	12.36	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 123.60%			
Target Compounds						Qvalue
6) DICHLORODIFLUOROMETHANE	3.649	85	41791	0.5181	PPBV	90
10) CHLOROMETHANE	3.766	52	4067	0.3910	PPBV	86
13) n-BUTANE	4.065	43	266712	5.6561	PPBV	97
17) ACETONITRILE	4.622	41	49044	1.8006	PPBV	92
18) ACROLEIN	4.714	56	12382	1.0410	PPBV	87
21) TRICHLOROFLUOROMETHANE	4.940	101	220908	2.9635	PPBV	100
22) ISOPROPYL ALCOHOL	5.032	45	3480618	73.6954	PPBV	98
23) ACETONE	4.812	58	896371	50.3511	PPBV #	82
24) PENTANE	5.228	42	18505	0.7887	PPBV	98
28) ETHANOL	4.463	45	5244783	302.9984	PPBV	99
31) METHYLENE CHLORIDE	5.589	84	27723	1.1975	PPBV	88
34) TRANS-1,2-DICHLOROETHY...	6.451	96	4414	0.1808	PPBV	89
35) TERTIARY BUTYL ALCOHOL	5.558	59	201108	4.5266	PPBV	86
38) HEXANE	7.699	57	37574	1.0865	PPBV	86
39) VINYL ACETATE	6.794	86	8712	2.2039	PPBV #	80
41) METHYL ETHYL KETONE	7.069	72	26701	2.7888	PPBV #	55
42) cis-1,2-DICHLOROETHYLENE	7.491	96	3676	0.1451	PPBV	93
44) ETHYL ACETATE	7.742	61	142439	20.1673	PPBV #	74
46) CHLOROFORM	7.803	83	9529	0.1682	PPBV	93
49) CARBON TETRACHLORIDE	9.565	117	5797	0.0953	PPBV	97
52) BENZENE	9.388	78	39917	0.5041	PPBV	97
55) TRICHLOROETHYLENE	10.648	95	176677	4.2320	PPBV	91
60) 2,2,4-TRIMETHYLPENTANE	10.679	57	23824	0.1981	PPBV #	65
62) HEPTANE	11.027	43	14167	0.3373	PPBV	88
63) METHYL METHACRYLATE	10.948	69	31894	1.2115	PPBV	90
64) METHYL ISOBUTYL KETONE	11.810	58	5845	0.2612	PPBV #	47
66) TOLUENE	12.954	92	48756	0.8802	PPBV	99
71) 2-HEXANONE	13.395	58	6203	0.2445	PPBV #	59
73) TETRACHLOROETHYLENE	14.459	164	62782	1.7869	PPBV	84
76) OCTANE	14.325	43	34148	0.7228	PPBV	82
79) ETHYLBENZENE	15.958	91	13231	0.1334	PPBV	92
80) m,p-XYLENE	16.215	106	13491	0.3585	PPBV	94
81) o-XYLENE	16.900	106	5381	0.1473	PPBV	98
83) NONANE	17.304	43	9795	0.1987	PPBV #	87
96) 1,2,4-TRIMETHYLBENZENE	19.623	105	11828	0.1265	PPBV #	35
97) m-DICHLOROBENZENE	19.819	146	30144	0.4093	PPBV	97

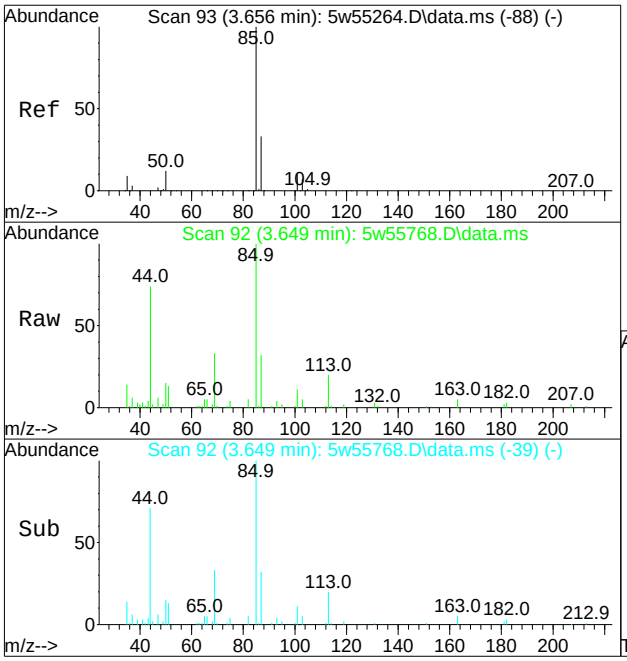
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-20-2024\V5w2135\
Data File : 5w55768.D
Acq On : 20 Dec 2024 4:13 am
Operator : thomash
Sample : je2487-1 Inst : GCMS5W
Misc : MS88104,V5W2135,400,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 20 17:10:34 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

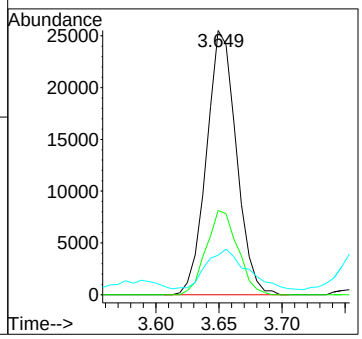


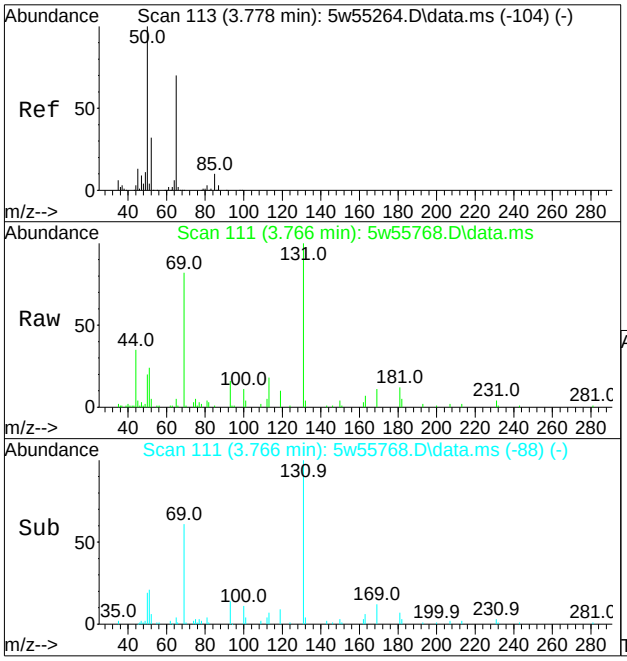


#6
DICHLORODIFLUOROMETHANE
Concen: 0.5181 PPBV
RT: 3.649 min Scan# 92
Delta R.T. -0.006 min
Lab File: 5w55768.D
Acq: 20 Dec 2024 4:13 am

Tgt Ion: 85 Resp: 41791

Ion	Ratio	Lower	Upper
85	100		
87	33.6	2.6	62.6
50	25.9	0.0	43.0

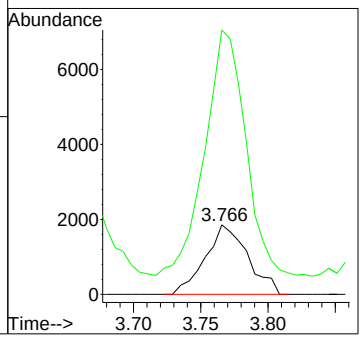


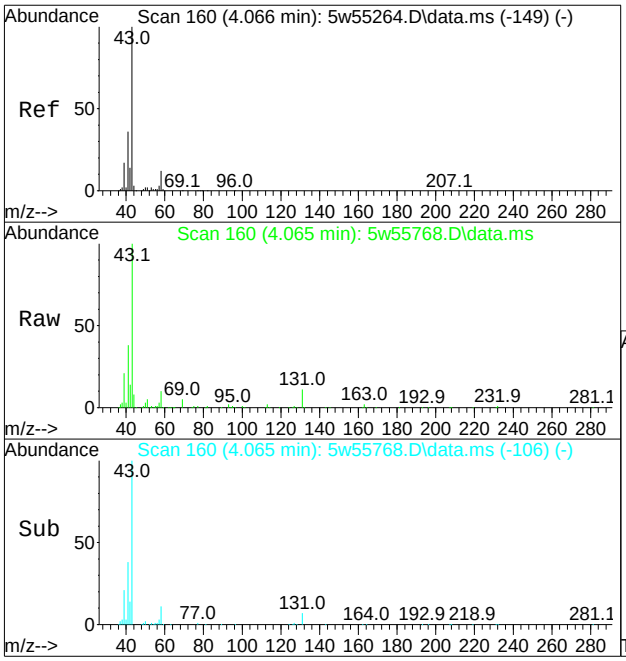


#10
CHLOROMETHANE
Concen: 0.3910 PPBV
RT: 3.766 min Scan# 111
Delta R.T. -0.006 min
Lab File: 5w55768.D
Acq: 20 Dec 2024 4:13 am

Tgt Ion: 52 Resp: 4067

Ion	Ratio	Lower	Upper
52	100		
50	346.2	287.9	347.9

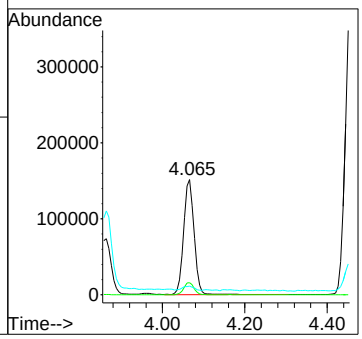


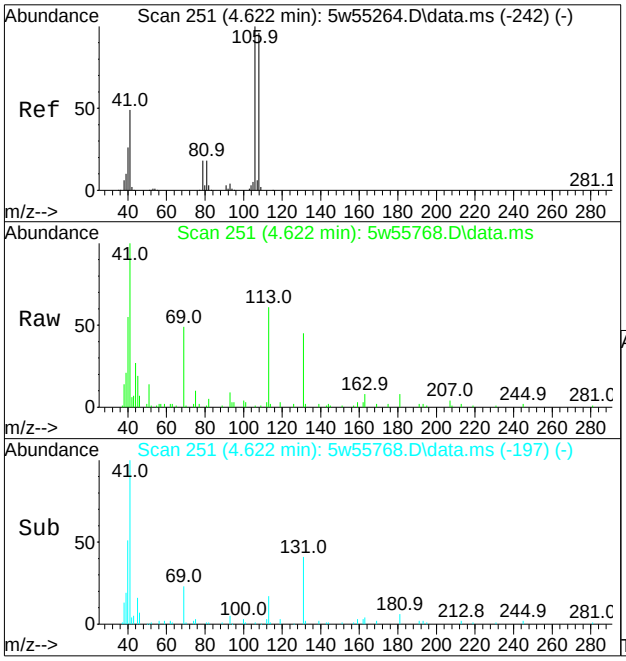


#13
n-BUTANE
Concen: 5.6561 PPBV
RT: 4.065 min Scan# 160
Delta R.T. -0.000 min
Lab File: 5w55768.D
Acq: 20 Dec 2024 4:13 am

Tgt Ion: 43 Resp: 266712

Ion	Ratio	Lower	Upper
43	100		
58	10.5	0.0	41.6
44	3.7	0.0	34.7

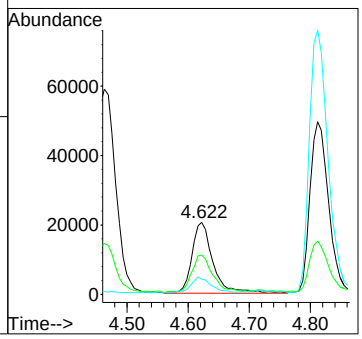


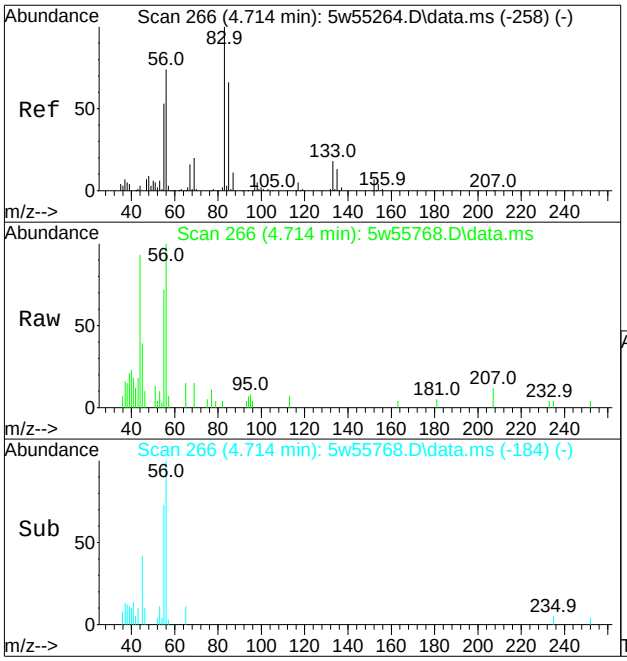


#17
ACETONITRILE
Concen: 1.8006 PPBV
RT: 4.622 min Scan# 251
Delta R.T. -0.000 min
Lab File: 5w55768.D
Acq: 20 Dec 2024 4:13 am

Tgt Ion: 41 Resp: 49044

Ion	Ratio	Lower	Upper
41	100		
40	49.1	38.4	71.4
39	23.0	13.7	25.5

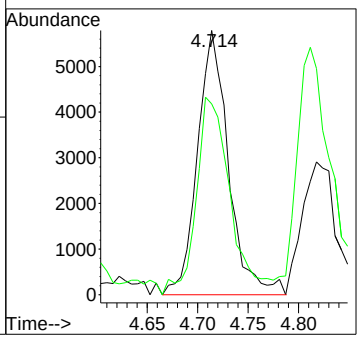


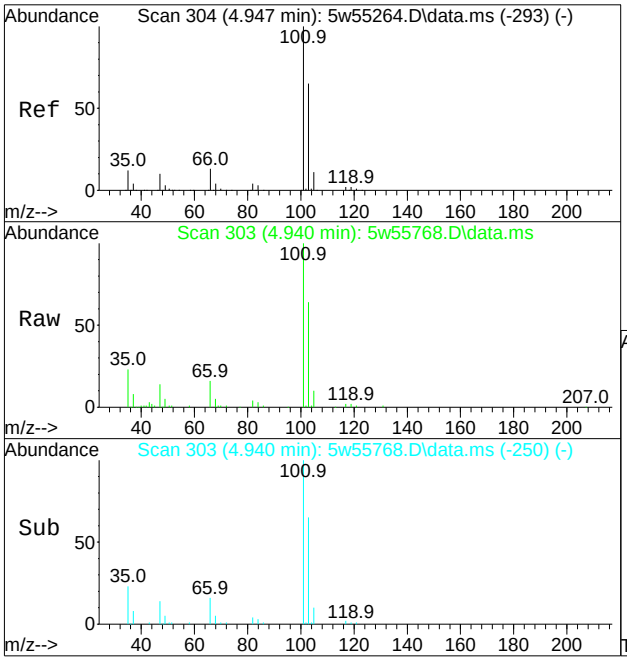


#18
ACROLEIN
Concen: 1.0410 PPBV
RT: 4.714 min Scan# 266
Delta R.T. -0.000 min
Lab File: 5w55768.D
Acq: 20 Dec 2024 4:13 am

Tgt Ion: 56 Resp: 12382

Ion	Ratio	Lower	Upper
56	100		
55	81.6	49.8	92.6

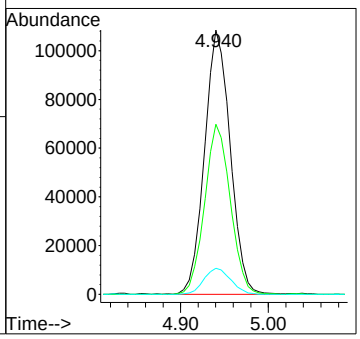


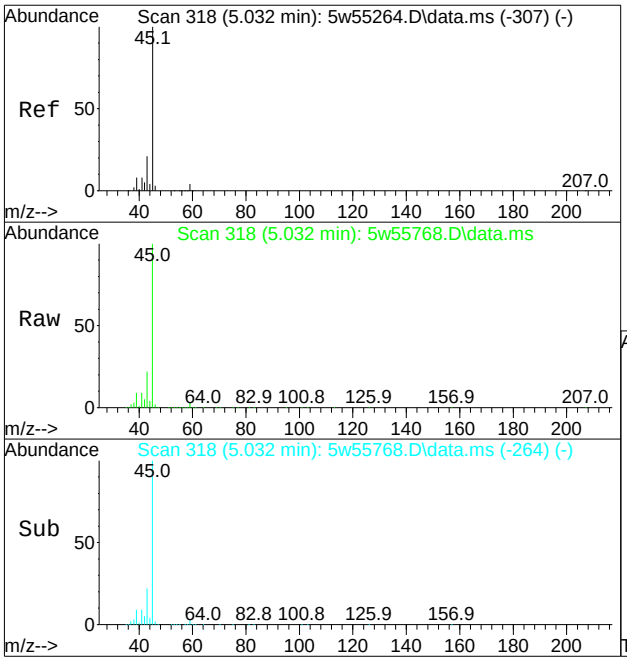


#21
TRICHLOROFLUOROMETHANE
Concen: 2.9635 PPBV
RT: 4.940 min Scan# 303
Delta R.T. -0.006 min
Lab File: 5w55768.D
Acq: 20 Dec 2024 4:13 am

Tgt Ion:101 Resp: 220908

Ion	Ratio	Lower	Upper
101	100		
103	64.3	34.7	94.7
105	10.3	0.0	40.5

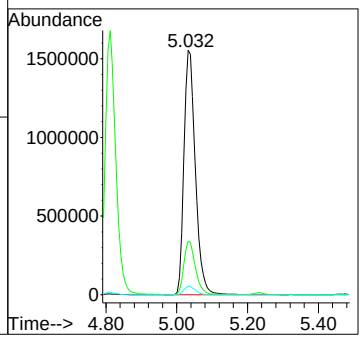


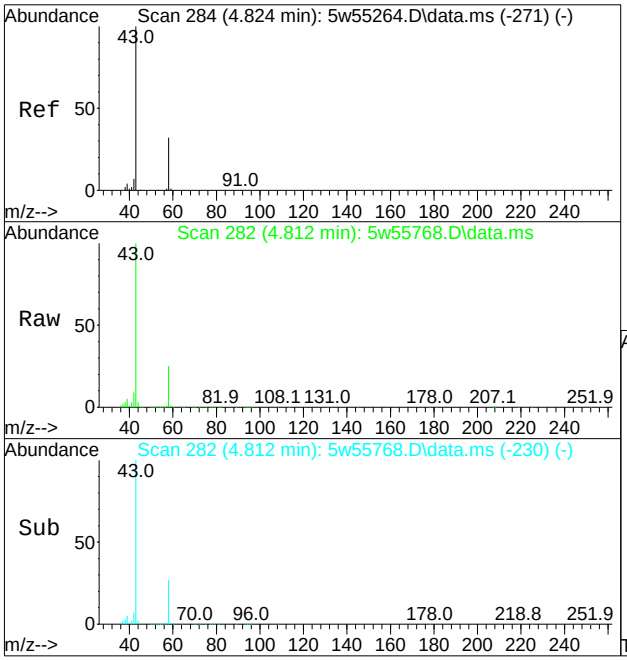


#22
ISOPROPYL ALCOHOL
Concen: 73.6954 PPBV
RT: 5.032 min Scan# 318
Delta R.T. -0.000 min
Lab File: 5w55768.D
Acq: 20 Dec 2024 4:13 am

Tgt Ion: 45 Resp: 3480618

Ion	Ratio	Lower	Upper
45	100		
43	21.9	0.0	50.8
59	3.5	0.0	33.8

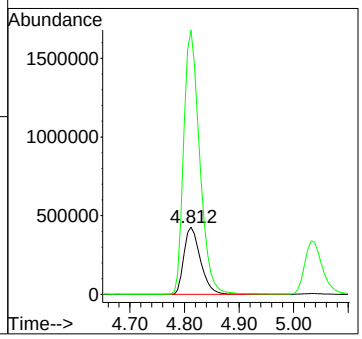


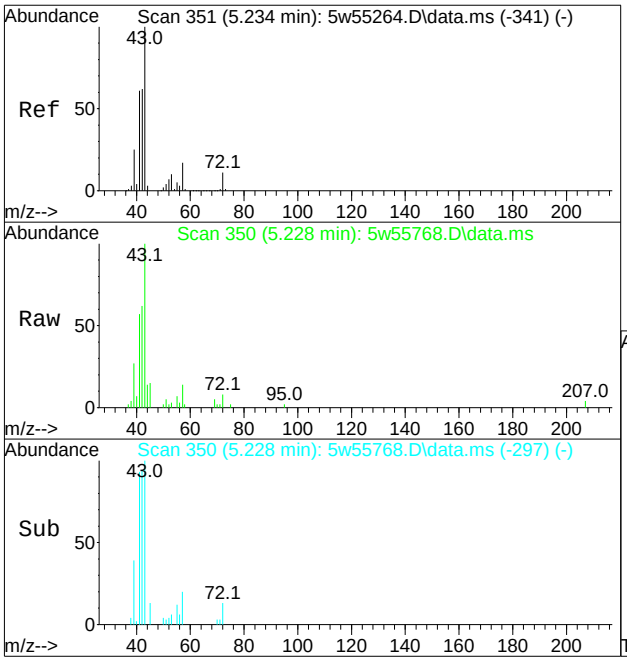


#23
ACETONE
Concen: 50.3511 PPBV
RT: 4.812 min Scan# 282
Delta R.T. -0.012 min
Lab File: 5w55768.D
Acq: 20 Dec 2024 4:13 am

Tgt Ion: 58 Resp: 896371

Ion	Ratio	Lower	Upper
58	100		
43	379.9	312.3	372.3#

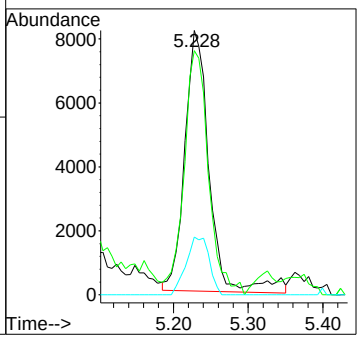


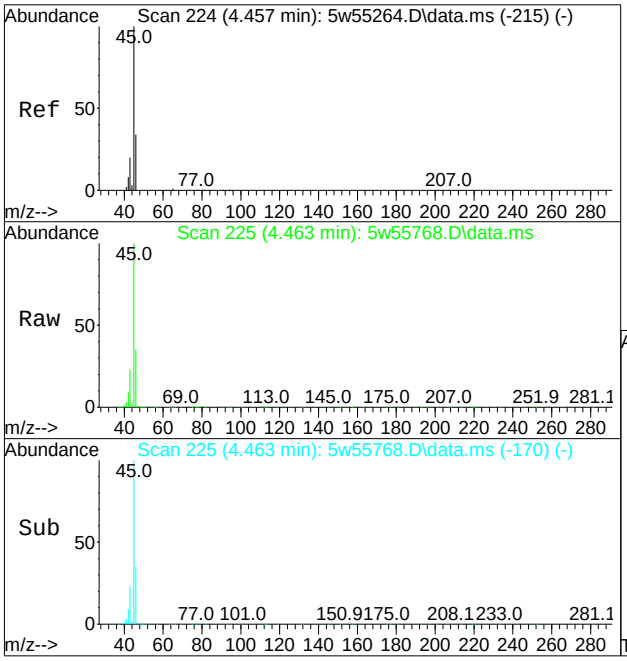


#24
PENTANE
Concen: 0.7887 PPBV
RT: 5.228 min Scan# 350
Delta R.T. -0.006 min
Lab File: 5w55768.D
Acq: 20 Dec 2024 4:13 am

Tgt Ion: 42 Resp: 18505

Ion	Ratio	Lower	Upper
42	100		
41	93.6	64.4	124.4
57	20.8	0.0	55.0

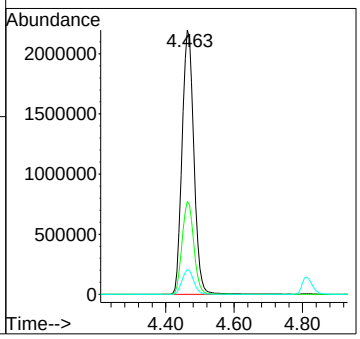


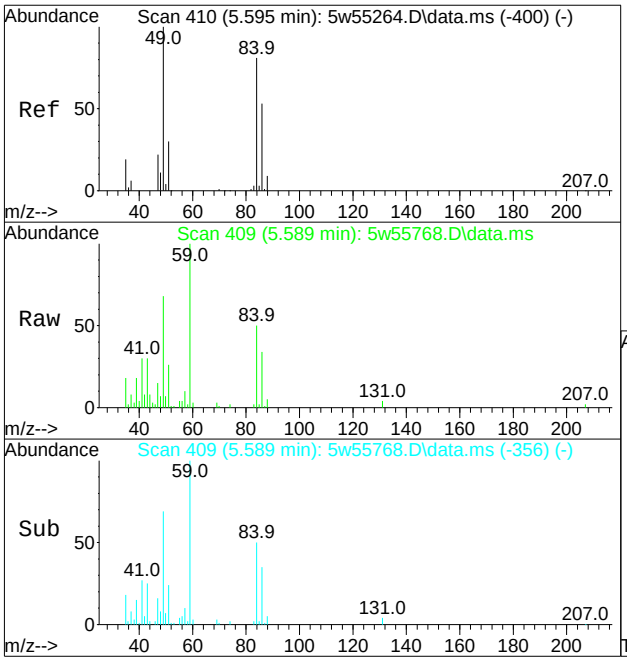


#28
ETHANOL
Concen: 302.9984 PPBV
RT: 4.463 min Scan# 225
Delta R.T. 0.006 min
Lab File: 5w55768.D
Acq: 20 Dec 2024 4:13 am

Tgt Ion: 45 Resp: 5244783

Ion	Ratio	Lower	Upper
45	100		
46	35.1	4.5	64.5
42	9.3	0.0	38.6

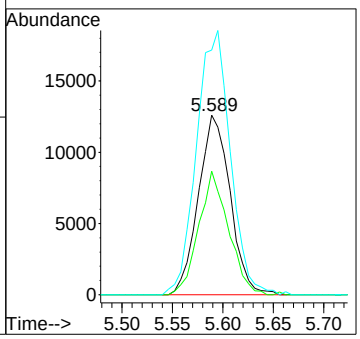


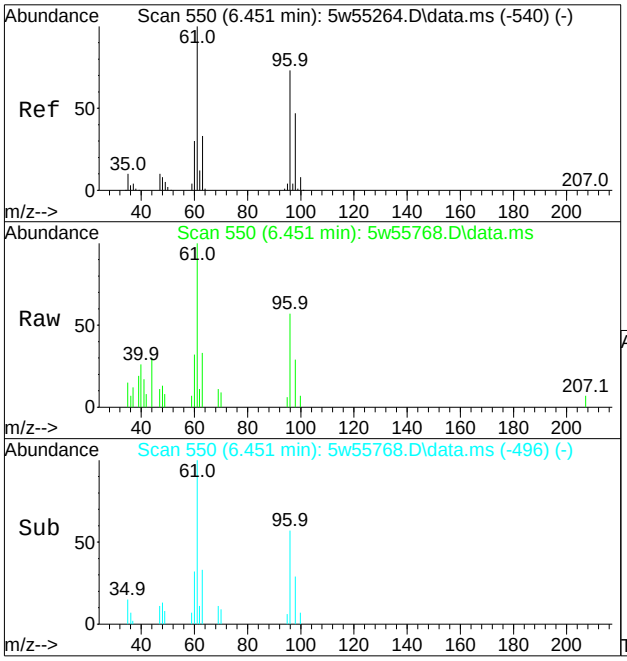


#31
METHYLENE CHLORIDE
Concen: 1.1975 PPBV
RT: 5.589 min Scan# 409
Delta R.T. -0.006 min
Lab File: 5w55768.D
Acq: 20 Dec 2024 4:13 am

Tgt Ion: 84 Resp: 27723

Ion	Ratio	Lower	Upper
84	100		
86	64.4	34.0	94.0
49	156.3	105.8	165.8

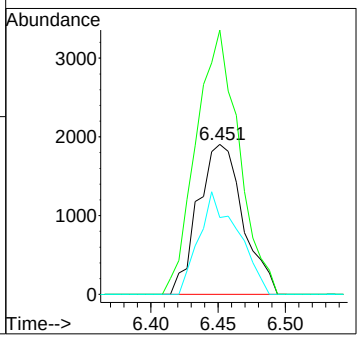


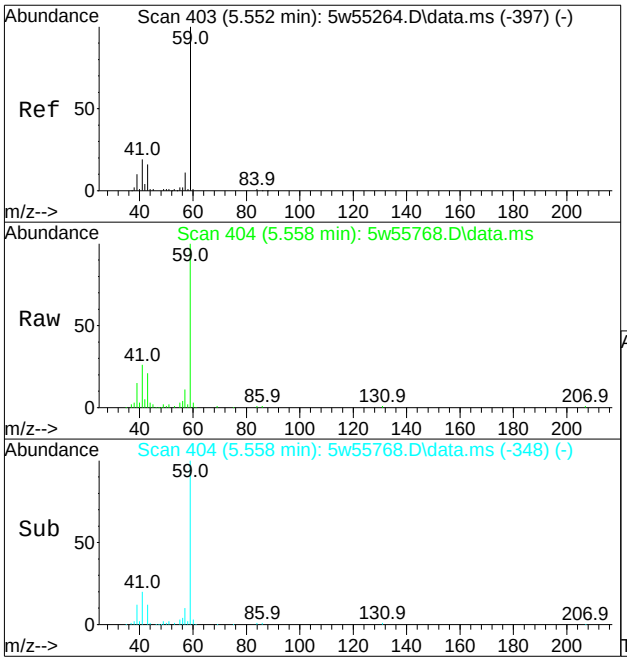


#34
TRANS-1,2-DICHLOROETHYLENE
Concen: 0.1808 PPBV
RT: 6.451 min Scan# 550
Delta R.T. -0.000 min
Lab File: 5w55768.D
Acq: 20 Dec 2024 4:13 am

Tgt Ion: 96 Resp: 4414

Ion	Ratio	Lower	Upper
96	100		
61	169.1	121.7	181.7
98	59.4	32.8	92.8

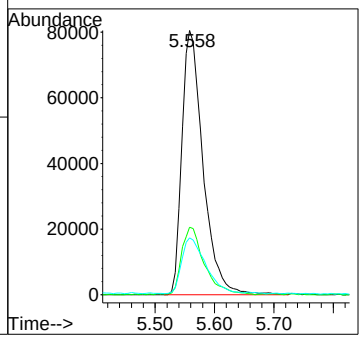


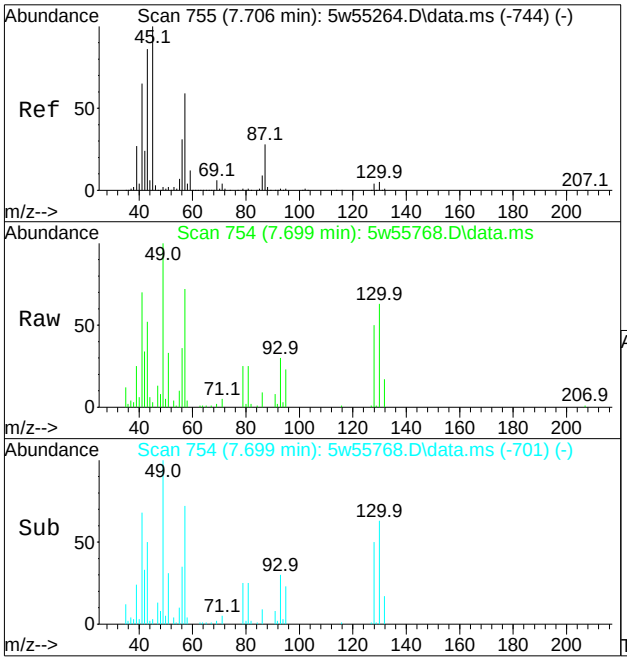


#35
TERTIARY BUTYL ALCOHOL
Concen: 4.5266 PPBV
RT: 5.558 min Scan# 404
Delta R.T. 0.012 min
Lab File: 5w55768.D
Acq: 20 Dec 2024 4:13 am

Tgt Ion: 59 Resp: 201108

Ion	Ratio	Lower	Upper
59	100		
41	27.6	0.0	53.1
43	25.5	0.0	47.1

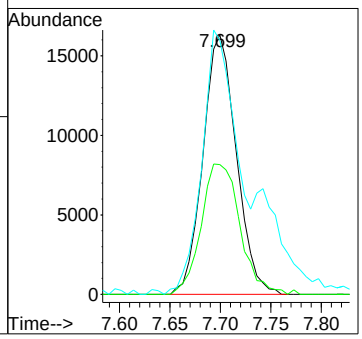


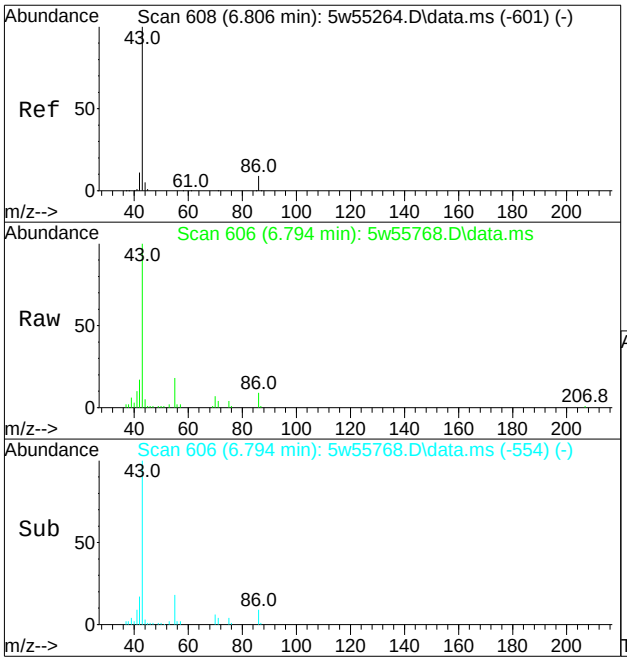


#38
HEXANE
Concen: 1.0865 PPBV
RT: 7.699 min Scan# 754
Delta R.T. -0.006 min
Lab File: 5w55768.D
Acq: 20 Dec 2024 4:13 am

Tgt Ion: 57 Resp: 37574

Ion	Ratio	Lower	Upper
57	100		
56	58.5	24.2	84.2
41	142.3	92.1	152.1

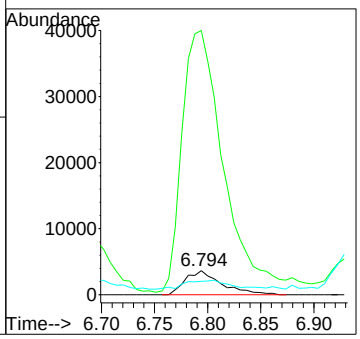


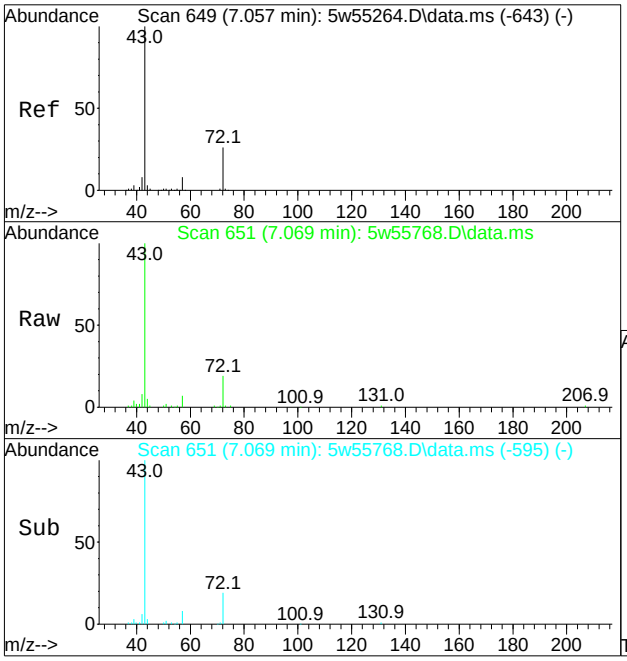


#39
VINYL ACETATE
Concen: 2.2039 PPBV
RT: 6.794 min Scan# 606
Delta R.T. -0.013 min
Lab File: 5w55768.D
Acq: 20 Dec 2024 4:13 am

Tgt Ion: 86 Resp: 8712

Ion	Ratio	Lower	Upper
86	100		
43	1258.0	1335.5	1395.5#
44	48.9	40.9	100.9

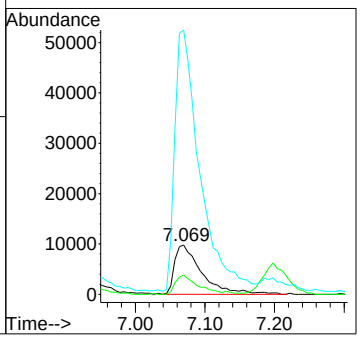


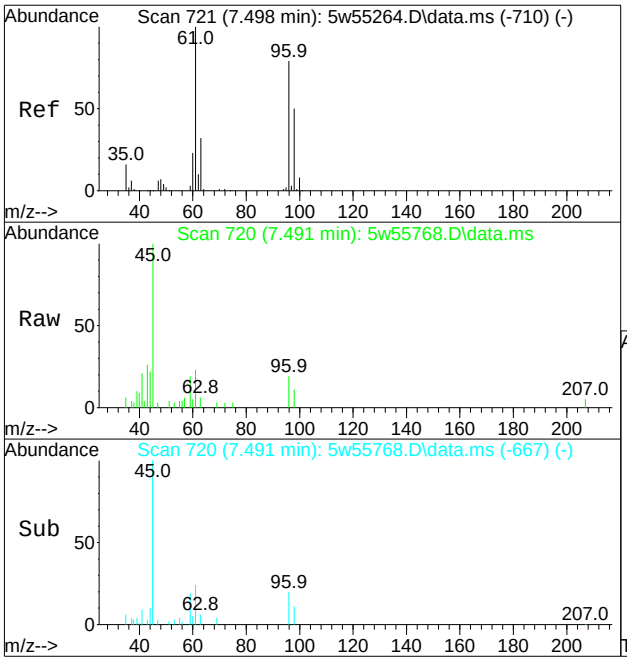


#41
METHYL ETHYL KETONE
Concen: 2.7888 PPBV
RT: 7.069 min Scan# 651
Delta R.T. 0.012 min
Lab File: 5w55768.D
Acq: 20 Dec 2024 4:13 am

Tgt Ion: 72 Resp: 26701

Ion	Ratio	Lower	Upper
72	100		
57	39.1	1.1	61.1
43	535.9	390.6	450.6#

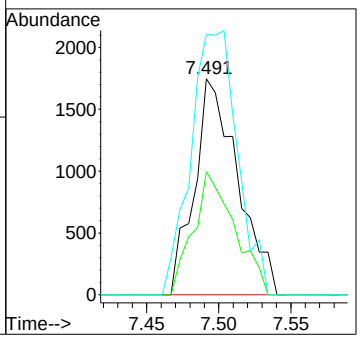


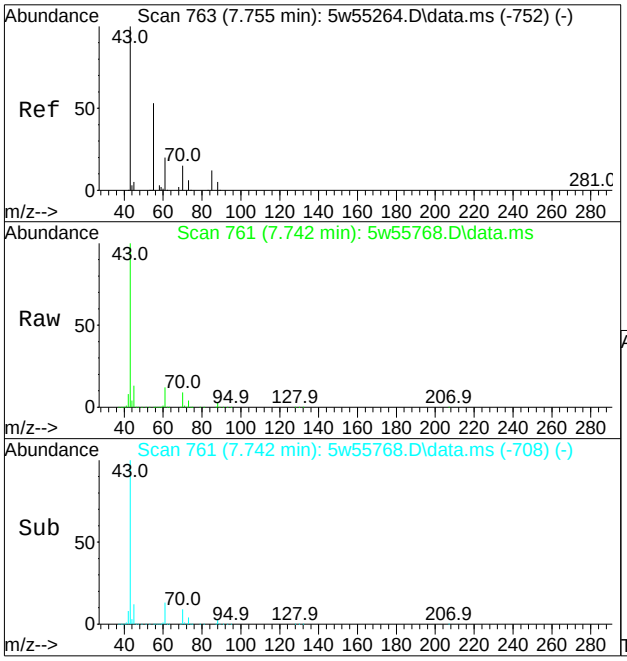


#42
cis-1,2-DICHLOROETHYLENE
Concen: 0.1451 PPBV
RT: 7.491 min Scan# 720
Delta R.T. -0.006 min
Lab File: 5w55768.D
Acq: 20 Dec 2024 4:13 am

Tgt Ion: 96 Resp: 3676

Ion	Ratio	Lower	Upper
96	100		
98	54.1	33.2	93.2
61	131.2	107.9	167.9

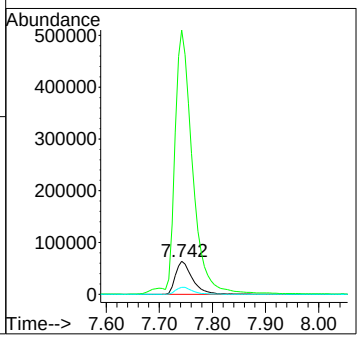


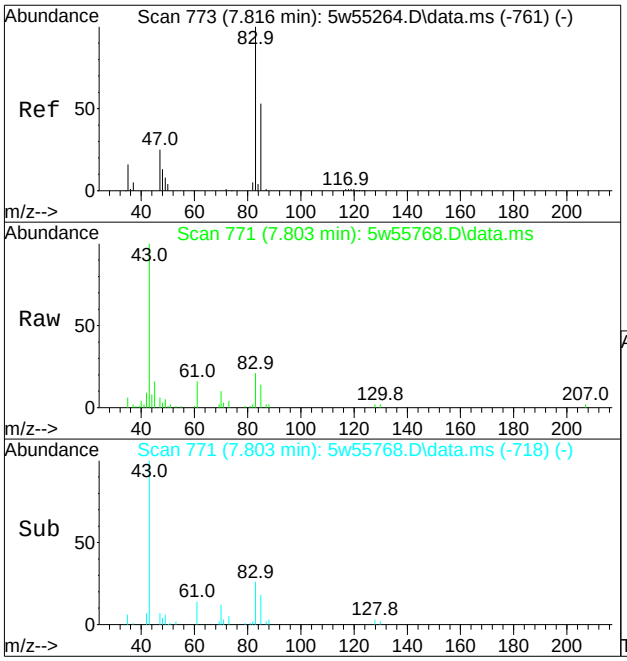


#44
ETHYL ACETATE
Concen: 20.1673 PPBV
RT: 7.742 min Scan# 761
Delta R.T. -0.006 min
Lab File: 5w55768.D
Acq: 20 Dec 2024 4:13 am

Tgt Ion: 61 Resp: 142439

Ion	Ratio	Lower	Upper
61	100		
43	839.7	0.0	30.0#
88	21.8	7.3	67.3

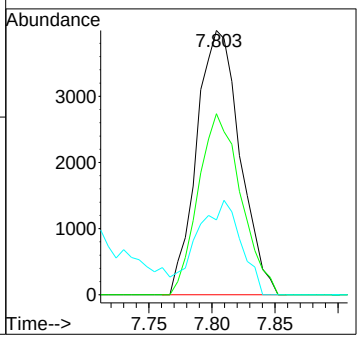


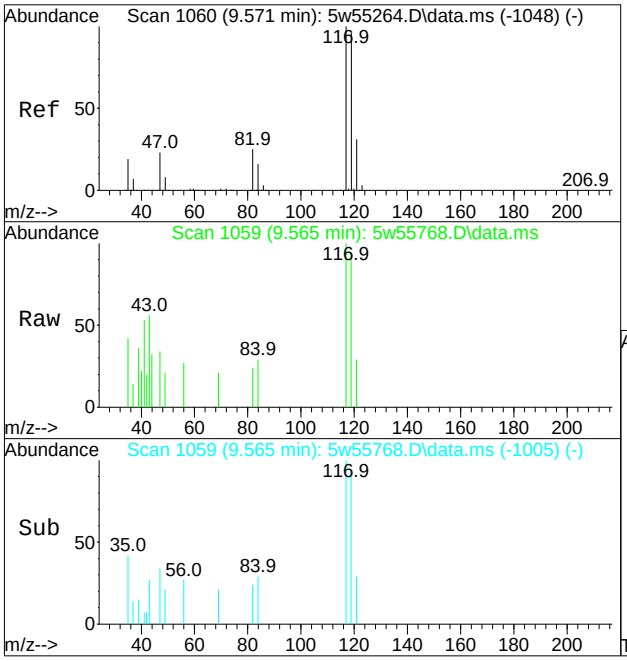


#46
CHLOROFORM
Concen: 0.1682 PPBV
RT: 7.803 min Scan# 771
Delta R.T. -0.006 min
Lab File: 5w55768.D
Acq: 20 Dec 2024 4:13 am

Tgt Ion: 83 Resp: 9529

Ion	Ratio	Lower	Upper
83	100		
85	67.7	35.5	95.5
47	36.3	0.0	56.8

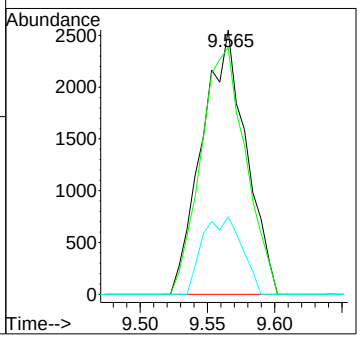


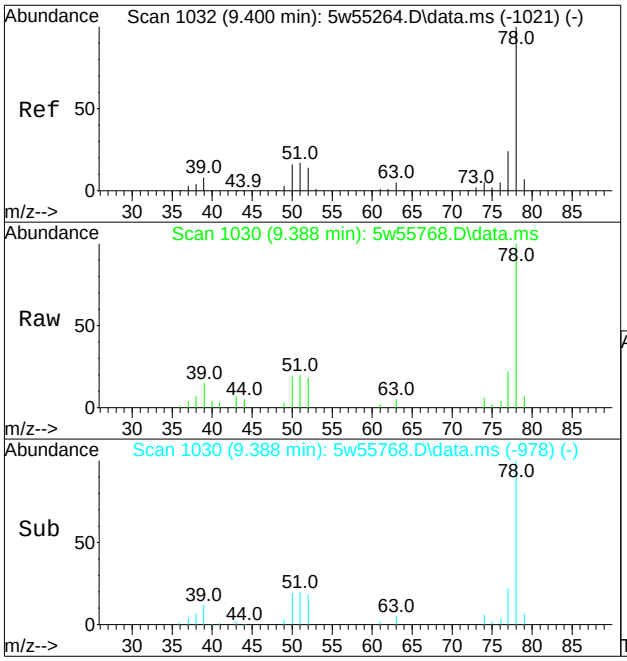


#49
CARBON TETRACHLORIDE
Concen: 0.0953 PPBV
RT: 9.565 min Scan# 1059
Delta R.T. -0.000 min
Lab File: 5w55768.D
Acq: 20 Dec 2024 4:13 am

Tgt Ion:117 Resp: 5797

Ion	Ratio	Lower	Upper
117	100		
119	95.1	65.9	125.9
121	26.3	0.7	60.7

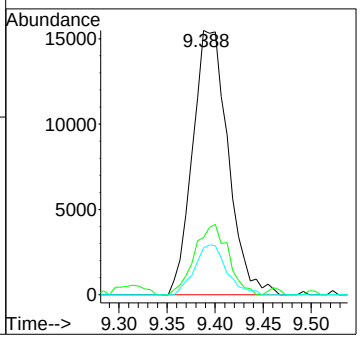


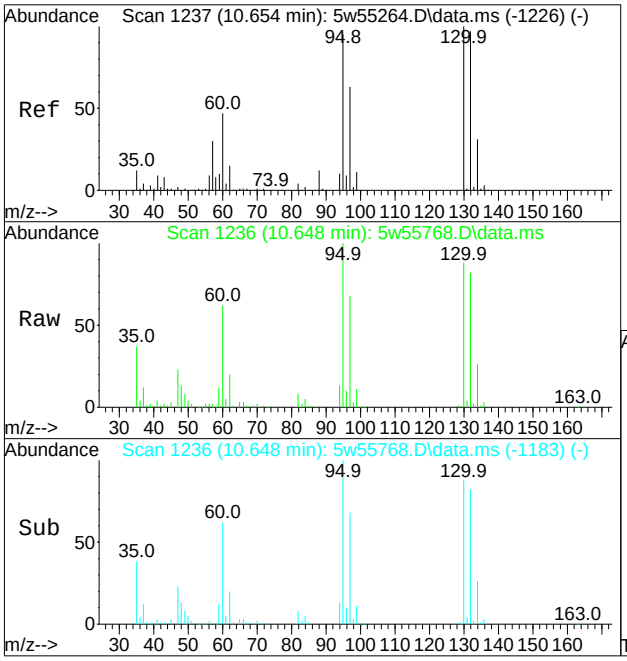


#52
BENZENE
Concen: 0.5041 PPBV
RT: 9.388 min Scan# 1030
Delta R.T. -0.012 min
Lab File: 5w55768.D
Acq: 20 Dec 2024 4:13 am

Tgt Ion: 78 Resp: 39917

Ion	Ratio	Lower	Upper
78	100		
77	25.3	0.0	54.0
52	17.0	0.0	45.6

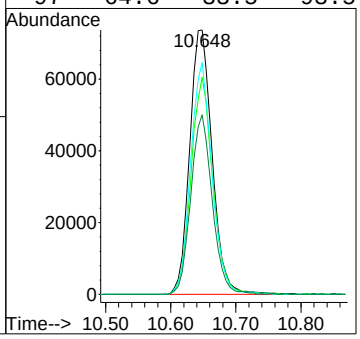


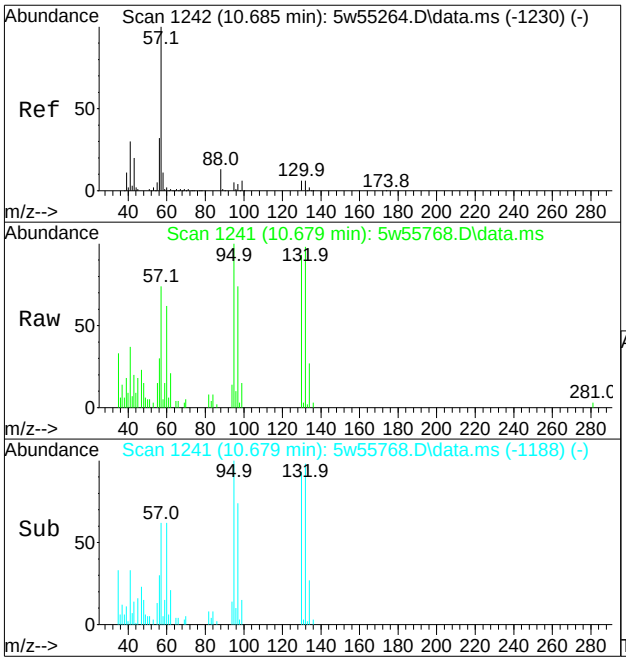


#55
TRICHLOROETHYLENE
Concen: 4.2320 PPBV
RT: 10.648 min Scan# 1236
Delta R.T. -0.006 min
Lab File: 5w55768.D
Acq: 20 Dec 2024 4:13 am

Tgt Ion: 95 Resp: 176677

Ion	Ratio	Lower	Upper
95	100		
132	79.6	60.0	120.0
130	83.5	64.1	124.1
97	64.6	33.5	93.5

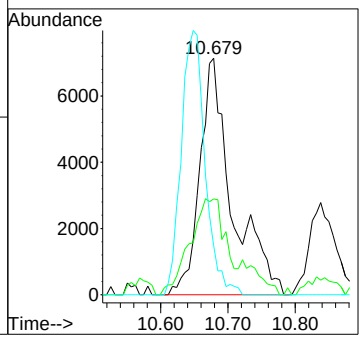


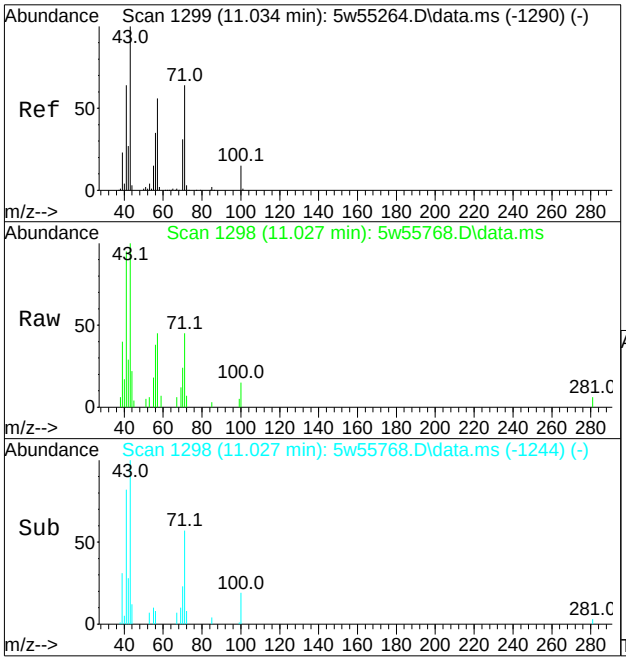


#60
2,2,4-TRIMETHYLPENTANE
Concen: 0.1981 PPBV
RT: 10.679 min Scan# 1241
Delta R.T. -0.006 min
Lab File: 5w55768.D
Acq: 20 Dec 2024 4:13 am

Tgt Ion: 57 Resp: 23824

Ion	Ratio	Lower	Upper
57	100		
56	53.5	2.2	62.2
99	0.0	0.0	37.6

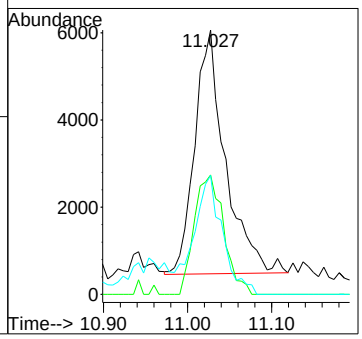


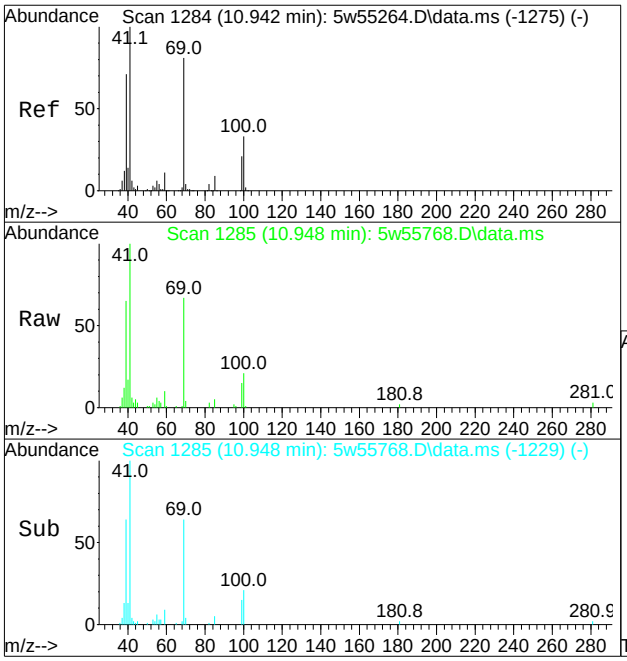


#62
HEPTANE
Concen: 0.3373 PPBV
RT: 11.027 min Scan# 1298
Delta R.T. -0.000 min
Lab File: 5w55768.D
Acq: 20 Dec 2024 4:13 am

Tgt Ion: 43 Resp: 14167

Ion	Ratio	Lower	Upper
43	100		
71	47.0	27.2	87.2
57	45.2	22.5	82.5

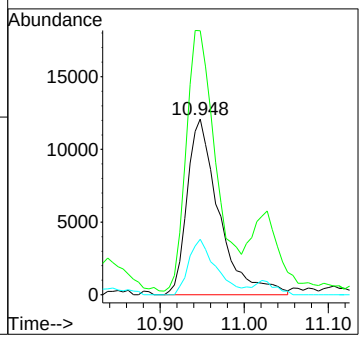


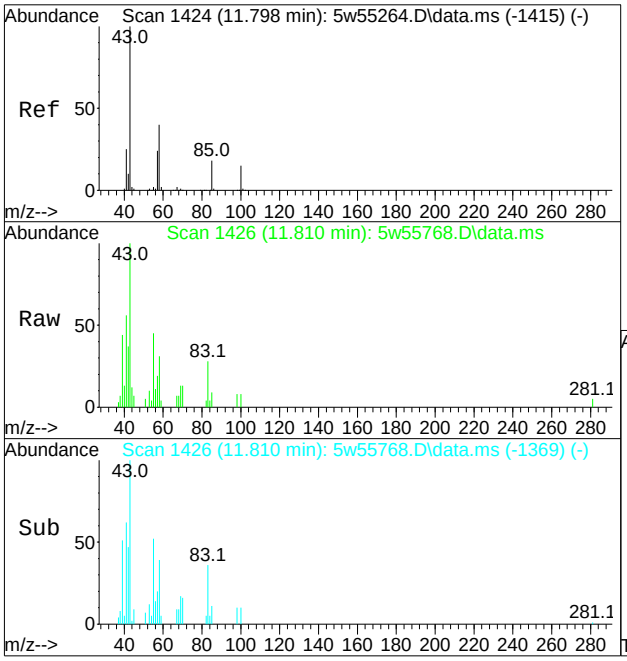


#63
METHYL METHACRYLATE
Concen: 1.2115 PPBV
RT: 10.948 min Scan# 1285
Delta R.T. 0.012 min
Lab File: 5w55768.D
Acq: 20 Dec 2024 4:13 am

Tgt Ion: 69 Resp: 31894

Ion	Ratio	Lower	Upper
69	100		
41	139.1	97.3	157.3
100	28.1	3.0	63.0

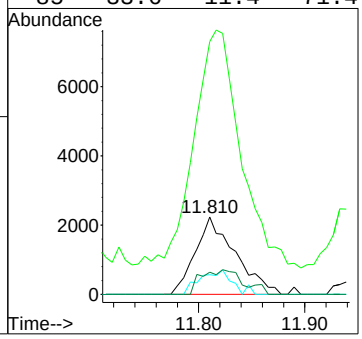


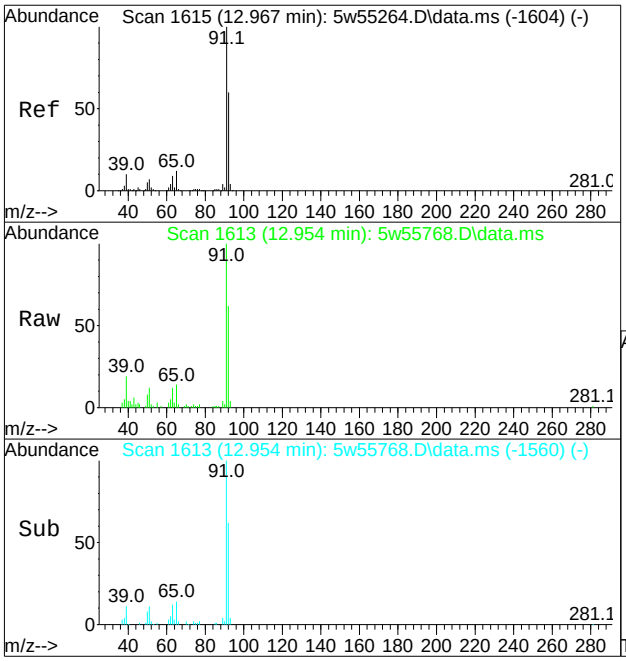


#64
METHYL ISOBUTYL KETONE
Concen: 0.2612 PPBV
RT: 11.810 min Scan# 1426
Delta R.T. 0.018 min
Lab File: 5w55768.D
Acq: 20 Dec 2024 4:13 am

Tgt Ion: 58 Resp: 5845

Ion	Ratio	Lower	Upper
58	100		
43	382.9	236.1	296.1#
100	25.4	0.7	60.7
85	33.6	11.4	71.4

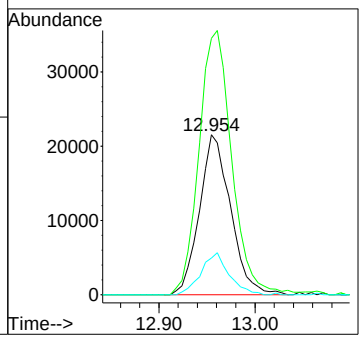


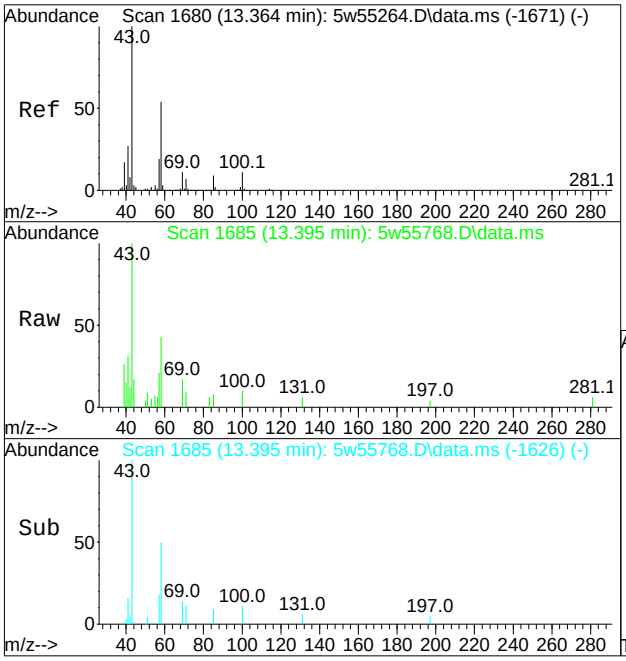


#66
TOLUENE
Concen: 0.8802 PPBV
RT: 12.954 min Scan# 1613
Delta R.T. -0.006 min
Lab File: 5w55768.D
Acq: 20 Dec 2024 4:13 am

Tgt Ion: 92 Resp: 48756

Ion	Ratio	Lower	Upper
92	100		
91	174.6	143.4	203.4
65	23.7	0.0	53.8

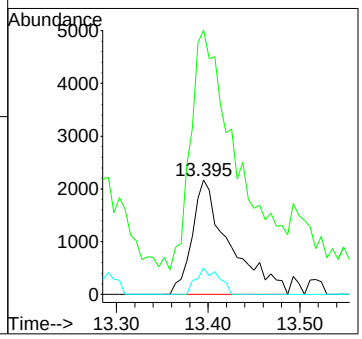


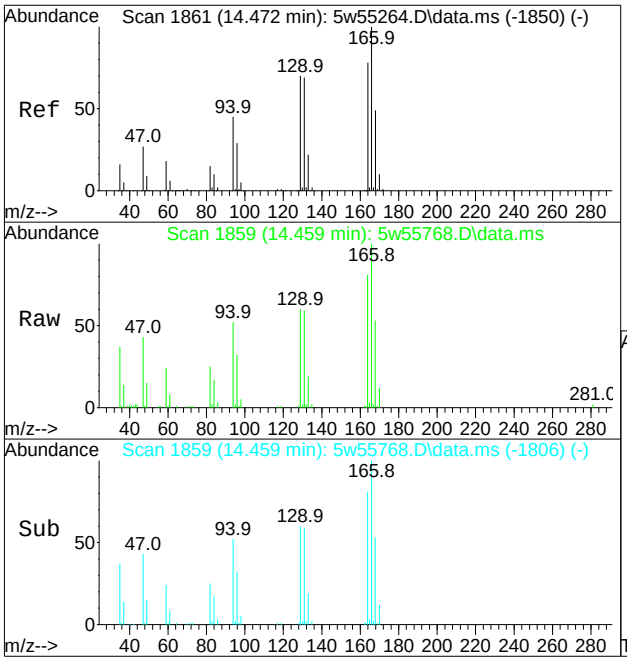


#71
2-HEXANONE
Concen: 0.2445 PPBV
RT: 13.395 min Scan# 1685
Delta R.T. 0.030 min
Lab File: 5w55768.D
Acq: 20 Dec 2024 4:13 am

Tgt Ion: 58 Resp: 6203

Ion	Ratio	Lower	Upper
58	100		
43	253.4	159.0	219.0#
100	14.0	0.0	47.8

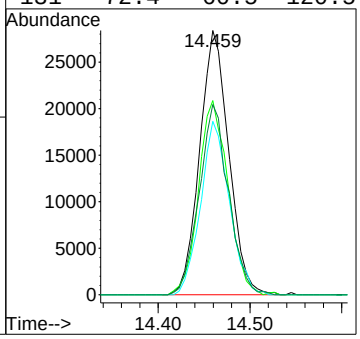


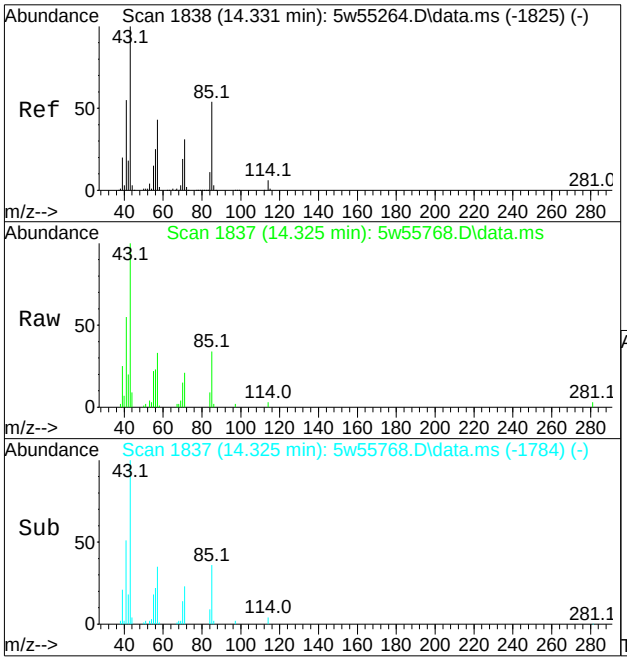


#73
TETRACHLOROETHYLENE
Concen: 1.7869 PPBV
RT: 14.459 min Scan# 1859
Delta R.T. -0.006 min
Lab File: 5w55768.D
Acq: 20 Dec 2024 4:13 am

Tgt Ion:164 Resp: 62782

Ion	Ratio	Lower	Upper
164	100		
129	74.3	64.4	124.4
168	64.7	31.2	91.2
131	72.4	60.5	120.5

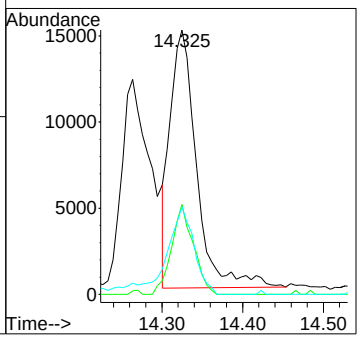


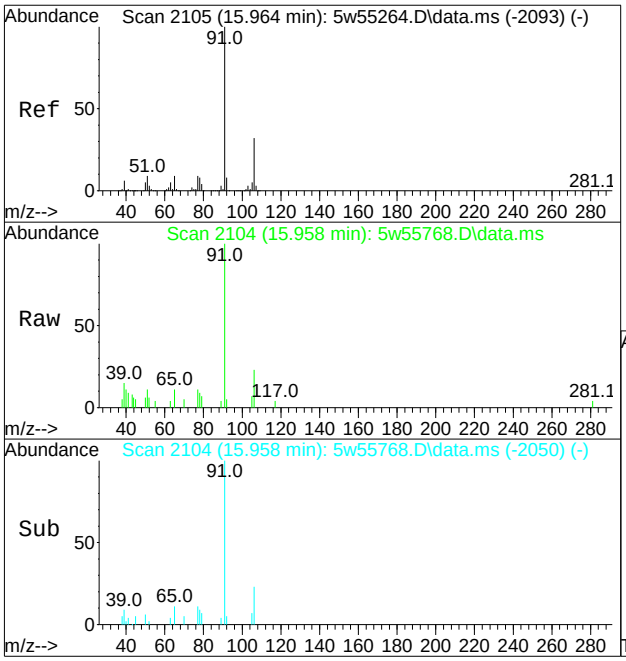


#76
OCTANE
Concen: 0.7228 PPBV
RT: 14.325 min Scan# 1837
Delta R.T. -0.006 min
Lab File: 5w55768.D
Acq: 20 Dec 2024 4:13 am

Tgt Ion: 43 Resp: 34148

Ion	Ratio	Lower	Upper
43	100		
85	28.6	13.7	73.7
57	32.4	9.9	69.9

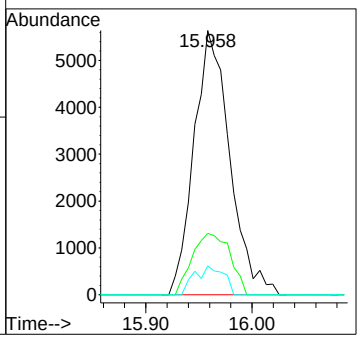


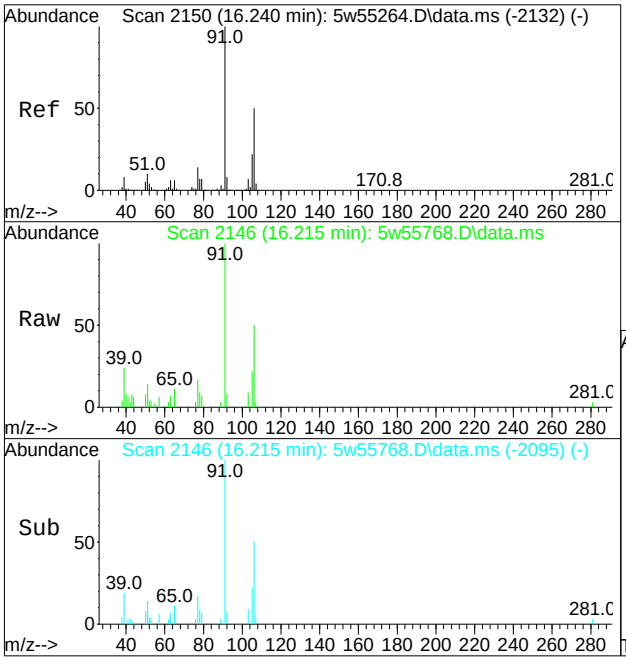


#79
ETHYLBENZENE
Concen: 0.1334 PPBV
RT: 15.958 min Scan# 2104
Delta R.T. -0.000 min
Lab File: 5w55768.D
Acq: 20 Dec 2024 4:13 am

Tgt Ion: 91 Resp: 13231

Ion	Ratio	Lower	Upper
91	100		
106	24.6	0.0	59.9
77	8.9	0.0	39.1

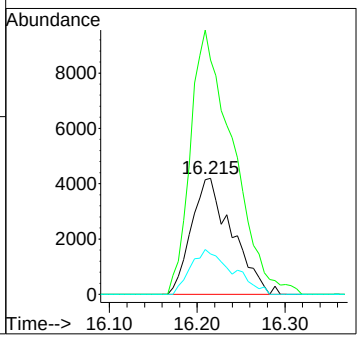


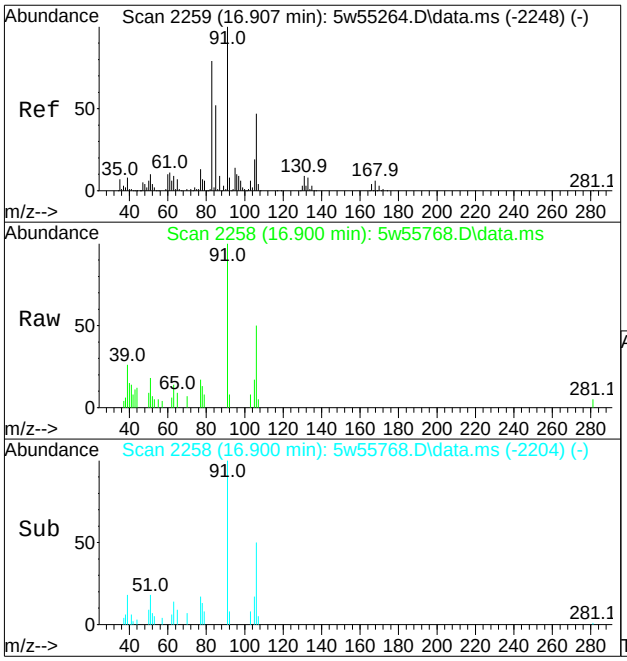


#80
m,p-XYLENE
Concen: 0.3585 PPBV
RT: 16.215 min Scan# 2146
Delta R.T. -0.019 min
Lab File: 5w55768.D
Acq: 20 Dec 2024 4:13 am

Tgt Ion:106 Resp: 13491

Ion	Ratio	Lower	Upper
106	100		
91	202.0	181.2	241.2
77	34.7	0.1	60.1

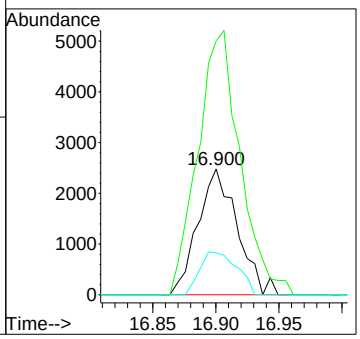


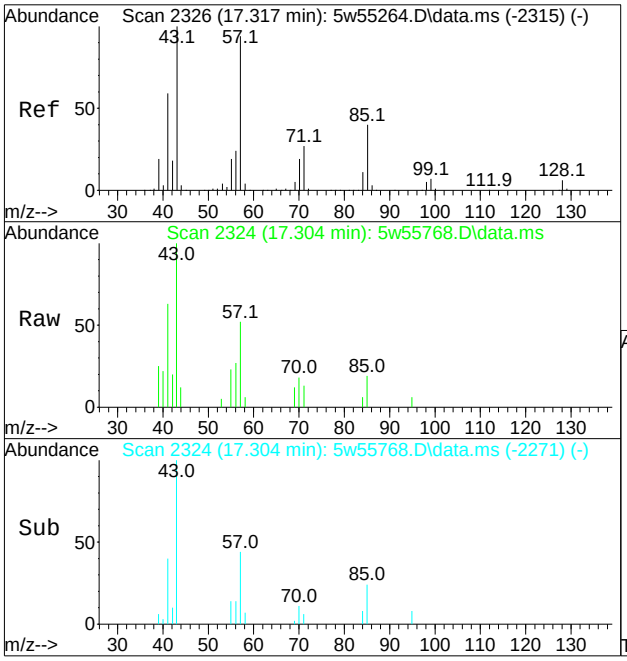


#81
o-XYLENE
Concen: 0.1473 PPBV
RT: 16.900 min Scan# 2258
Delta R.T. -0.000 min
Lab File: 5w55768.D
Acq: 20 Dec 2024 4:13 am

Tgt Ion:106 Resp: 5381

Ion	Ratio	Lower	Upper
106	100		
91	225.7	193.4	253.4
77	32.2	0.0	59.8

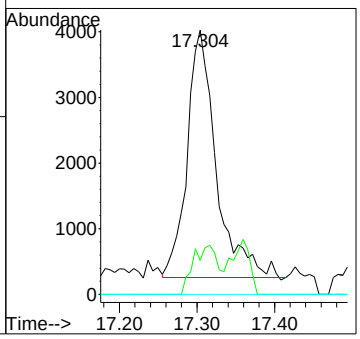


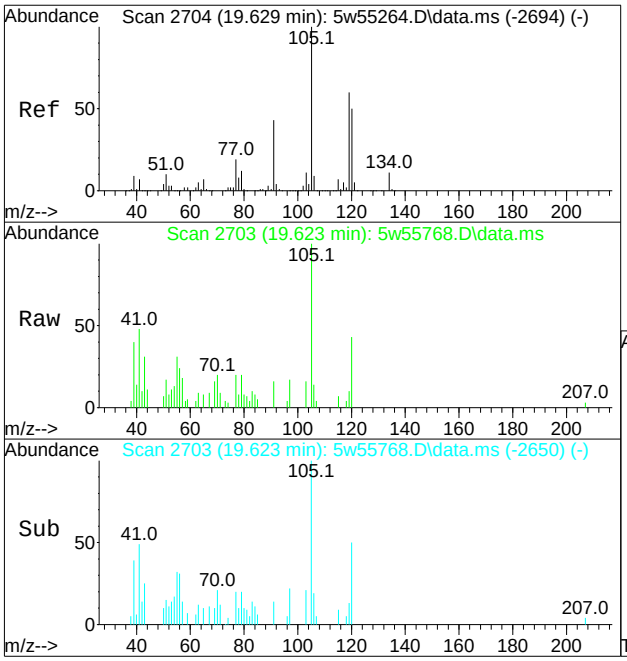


#83
NONANE
Concen: 0.1987 PPBV
RT: 17.304 min Scan# 2324
Delta R.T. -0.006 min
Lab File: 5w55768.D
Acq: 20 Dec 2024 4:13 am

Tgt Ion: 43 Resp: 9795

Ion	Ratio	Lower	Upper
43	100		
71	17.4	0.0	53.8
128	0.0	0.0	34.3

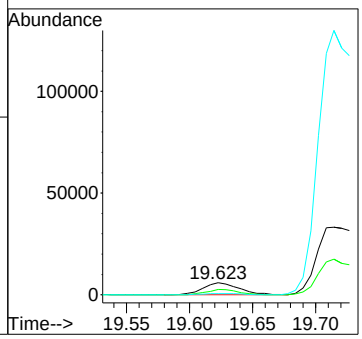


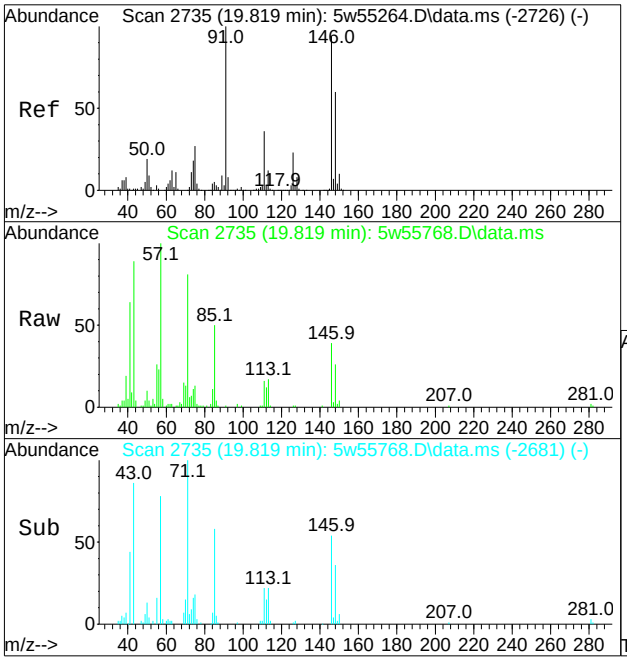


#96
1,2,4-TRIMETHYLBENZENE
Concen: 0.1265 PPBV
RT: 19.623 min Scan# 2703
Delta R.T. -0.006 min
Lab File: 5w55768.D
Acq: 20 Dec 2024 4:13 am

Tgt Ion:105 Resp: 11828

Ion	Ratio	Lower	Upper
105	100		
120	38.9	22.6	82.6
119	10.7	69.7	129.7#

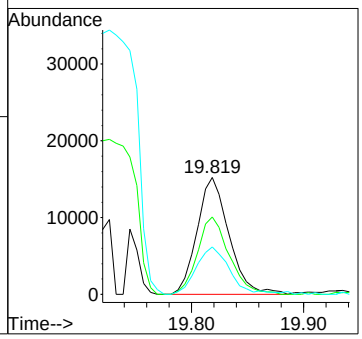




#97
m-DICHLOROBENZENE
Concen: 0.4093 PPBV
RT: 19.819 min Scan# 2735
Delta R.T. -0.000 min
Lab File: 5w55768.D
Acq: 20 Dec 2024 4:13 am

Tgt Ion:146 Resp: 30144

Ion	Ratio	Lower	Upper
146	100		
148	66.0	34.2	94.2
111	43.4	10.1	70.1



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\122424\v5w2138\
Data File : 5w55827.D
Acq On : 23 Dec 2024 4:52 pm
Operator : thomash
Sample : je2487-1 Inst : GCMS5W
Misc : MS88104,V5W2138,100,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 24 16:56:23 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

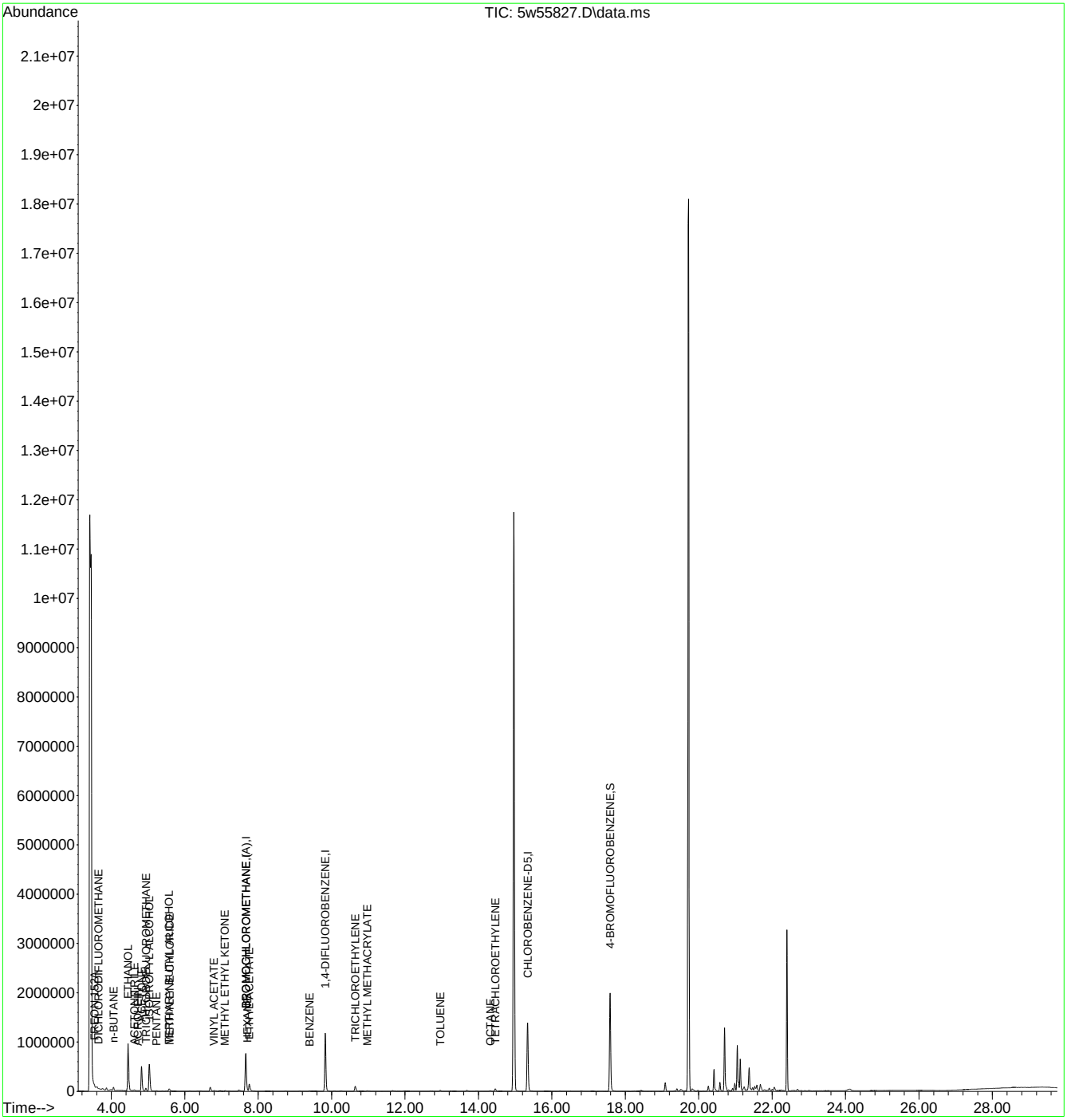
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	7.663	128	208762	10.00	PPBV	# 0.00
51) 1,4-DIFLUOROBENZENE	9.822	114	1039636	10.00	PPBV	-0.01
70) CHLOROBENZENE-D5	15.340	82	572065	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	7.663	128	208762	10.00	PPBV	# 0.00
System Monitoring Compounds						
85) 4-BROMOFLUOROBENZENE	17.586	95	711573	11.11	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 111.10%			
Target Compounds						Qvalue
3) FREON 152A	3.539	65	1658	0.1073	PPBV	# 43
6) DICHLORODIFLUOROMETHANE	3.650	85	8658	0.1135	PPBV	92
13) n-BUTANE	4.059	43	51601	1.1570	PPBV	# 93
17) ACETONITRILE	4.622	41	12317	0.4781	PPBV	87
18) ACROLEIN	4.720	56	2592	0.2304	PPBV	85
21) TRICHLOROFLUOROMETHANE	4.940	101	46510	0.6597	PPBV	99
22) ISOPROPYL ALCOHOL	5.032	45	796226	17.8247	PPBV	98
23) ACETONE	4.818	58	175950	10.4499	PPBV	93
24) PENTANE	5.228	42	4307	0.1941	PPBV	95
28) ETHANOL	4.451	45	1224023	74.7660	PPBV	100
31) METHYLENE CHLORIDE	5.589	84	6022	0.2750	PPBV	87
35) TERTIARY BUTYL ALCOHOL	5.570	59	50821	1.2094	PPBV	87
38) HEXANE	7.699	57	8423	0.2575	PPBV	85
39) VINYL ACETATE	6.794	86	1693	0.4528	PPBV	# 83
41) METHYL ETHYL KETONE	7.088	72	5292	0.5844	PPBV	# 88
44) ETHYL ACETATE	7.754	61	26541	3.9732	PPBV	# 76
52) BENZENE	9.400	78	9048	0.1201	PPBV	98
55) TRICHLOROETHYLENE	10.648	95	39658	0.9983	PPBV	94
63) METHYL METHACRYLATE	10.966	69	6324	0.2524	PPBV	# 57
66) TOLUENE	12.961	92	10321	0.1958	PPBV	92
73) TETRACHLOROETHYLENE	14.459	164	15484	0.4144	PPBV	79
76) OCTANE	14.325	43	14137	0.2813	PPBV	# 57

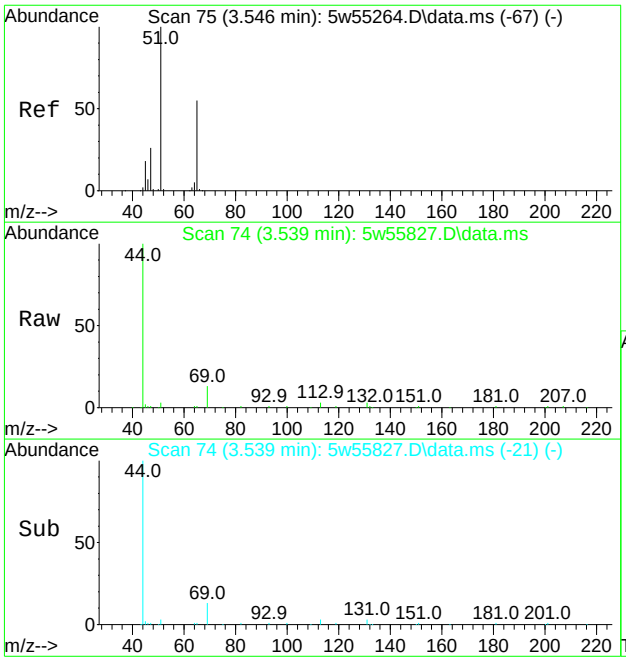
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\122424\v5w2138\
Data File : 5w55827.D
Acq On : 23 Dec 2024 4:52 pm
Operator : thomash
Sample : je2487-1 Inst : GCMS5W
Misc : MS88104,V5W2138,100,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 24 16:56:23 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

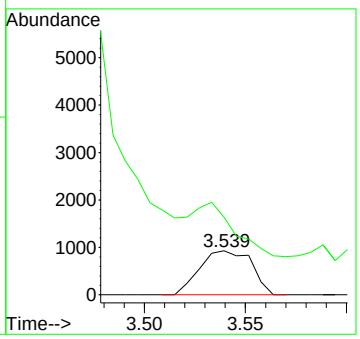


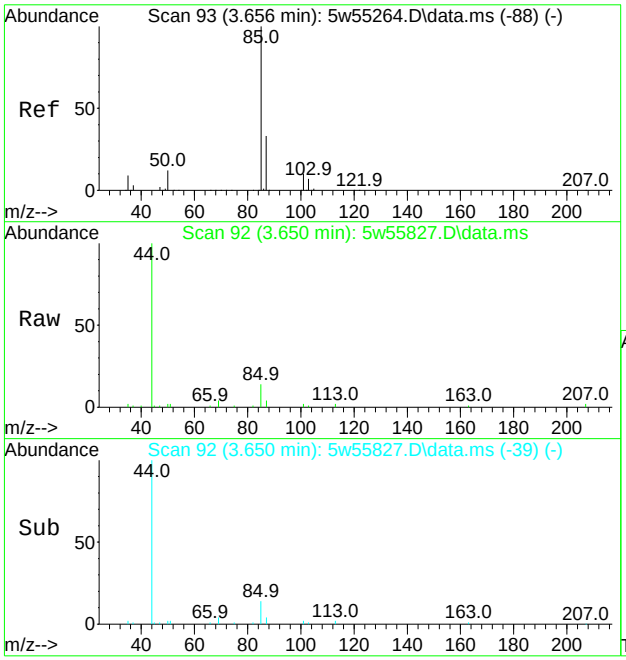


#3
FREON 152A
Concen: 0.1073 PPBV
RT: 3.539 min Scan# 74
Delta R.T. -0.006 min
Lab File: 5w55827.D
Acq: 23 Dec 2024 4:52 pm

Tgt Ion: 65 Resp: 1658

Ion	Ratio	Lower	Upper
65	100		
45	0.0	1.8	61.8#

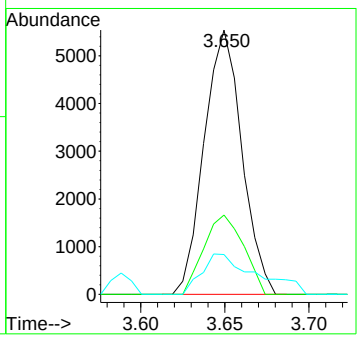


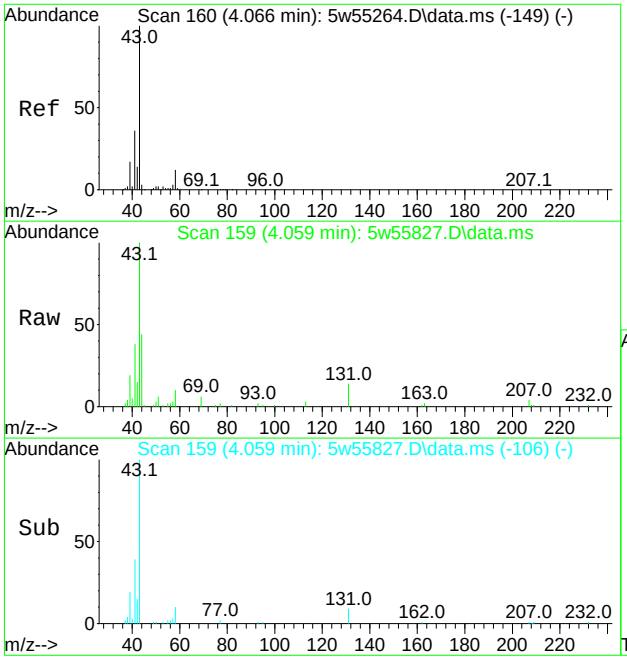


#6
DICHLORODIFLUOROMETHANE
Concen: 0.1135 PPBV
RT: 3.650 min Scan# 92
Delta R.T. -0.006 min
Lab File: 5w55827.D
Acq: 23 Dec 2024 4:52 pm

Tgt Ion: 85 Resp: 8658

Ion	Ratio	Lower	Upper
85	100		
87	31.5	2.6	62.6
50	22.0	0.0	43.0

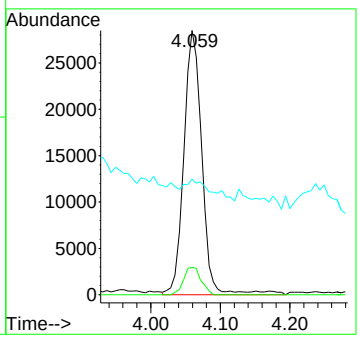


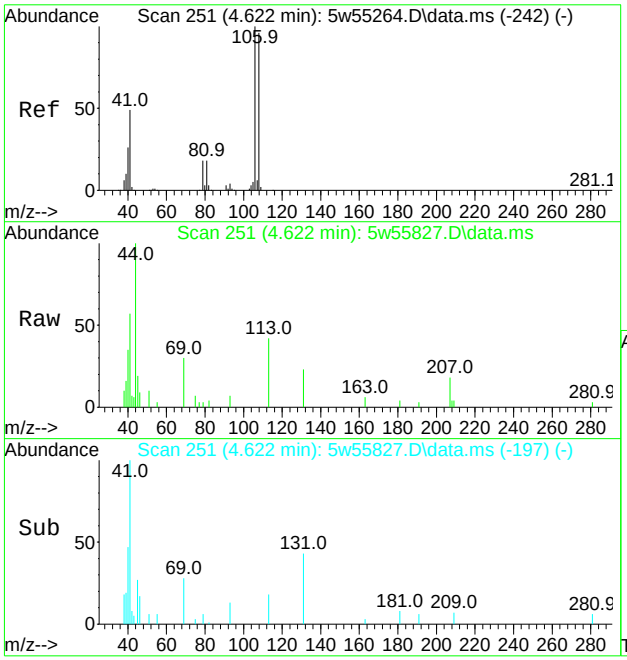


#13
n-BUTANE
Concen: 1.1570 PPBV
RT: 4.059 min Scan# 159
Delta R.T. -0.006 min
Lab File: 5w55827.D
Acq: 23 Dec 2024 4:52 pm

Tgt Ion: 43 Resp: 51601

Ion	Ratio	Lower	Upper
43	100		
58	10.1	0.0	41.6
44	0.0	0.0	34.7

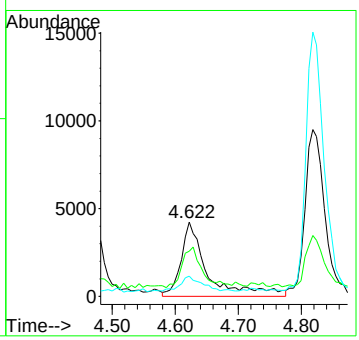


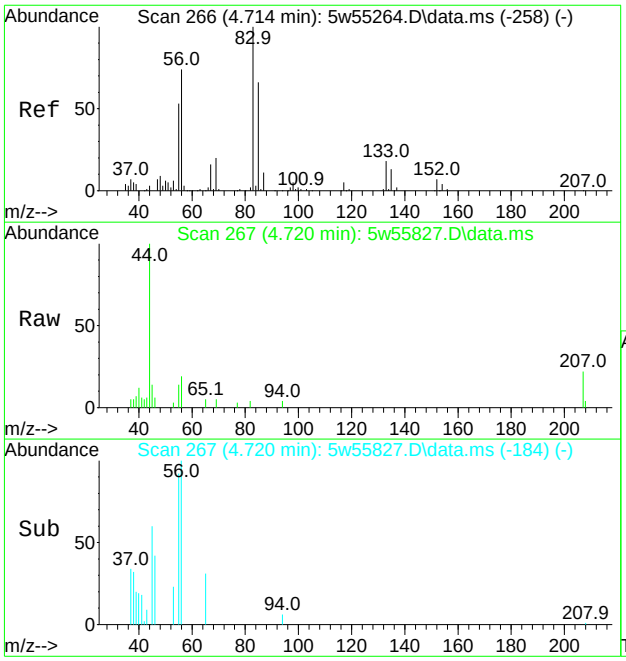


#17
ACETONITRILE
Concen: 0.4781 PPBV
RT: 4.622 min Scan# 251
Delta R.T. -0.000 min
Lab File: 5w55827.D
Acq: 23 Dec 2024 4:52 pm

Tgt Ion: 41 Resp: 12317

Ion	Ratio	Lower	Upper
41	100		
40	43.8	38.4	71.4
39	16.1	13.7	25.5

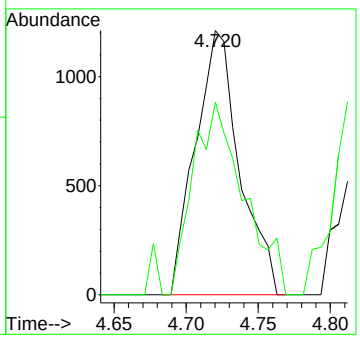


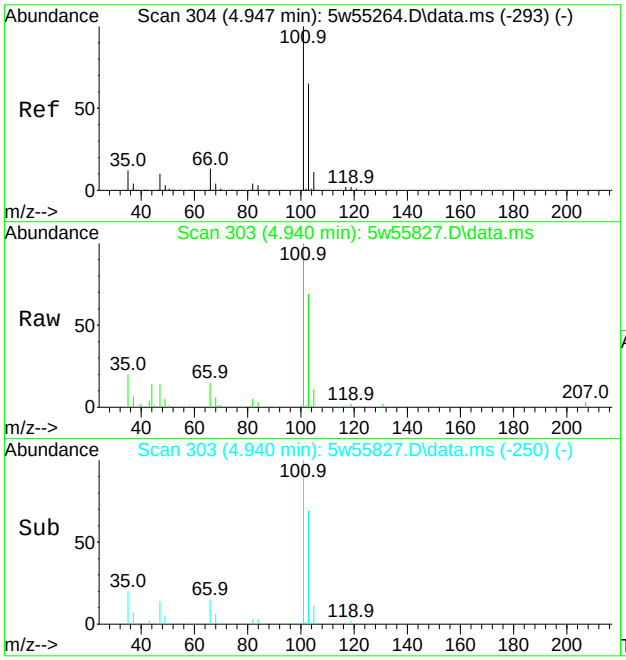


#18
ACROLEIN
Concen: 0.2304 PPBV
RT: 4.720 min Scan# 267
Delta R.T. 0.006 min
Lab File: 5w55827.D
Acq: 23 Dec 2024 4:52 pm

Tgt Ion: 56 Resp: 2592

Ion	Ratio	Lower	Upper
56	100		
55	83.7	49.8	92.6

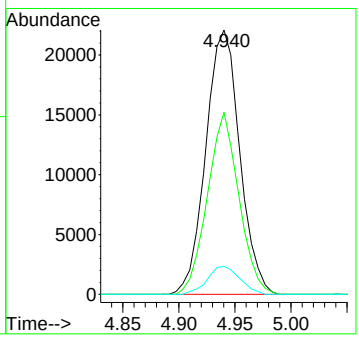


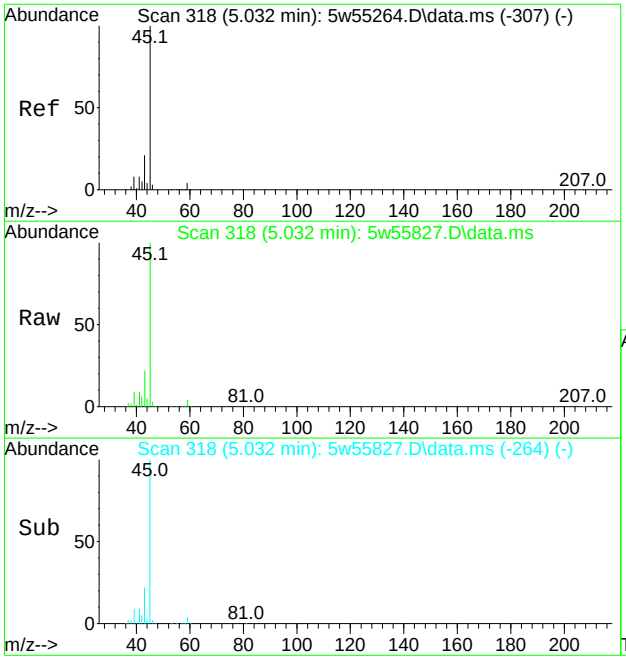


#21
TRICHLOROFLUOROMETHANE
Concen: 0.6597 PPBV
RT: 4.940 min Scan# 303
Delta R.T. -0.006 min
Lab File: 5w55827.D
Acq: 23 Dec 2024 4:52 pm

Tgt Ion:101 Resp: 46510

Ion	Ratio	Lower	Upper
101	100		
103	63.8	34.7	94.7
105	10.2	0.0	40.5

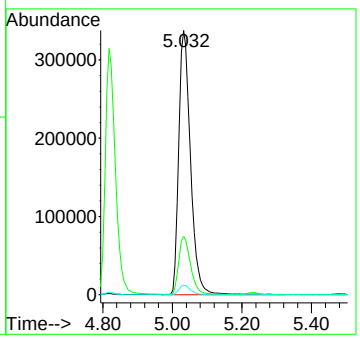


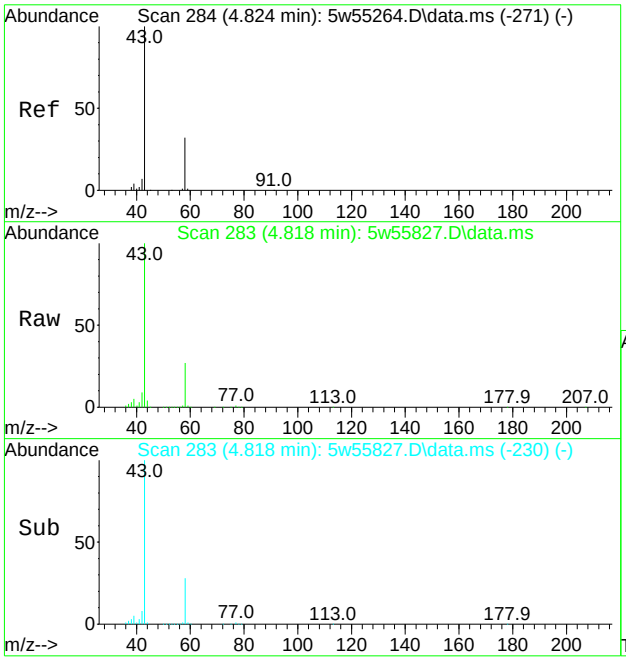


#22
ISOPROPYL ALCOHOL
Concen: 17.8247 PPBV
RT: 5.032 min Scan# 318
Delta R.T. -0.000 min
Lab File: 5w55827.D
Acq: 23 Dec 2024 4:52 pm

Tgt Ion: 45 Resp: 796226

Ion	Ratio	Lower	Upper
45	100		
43	22.1	0.0	50.8
59	3.5	0.0	33.8

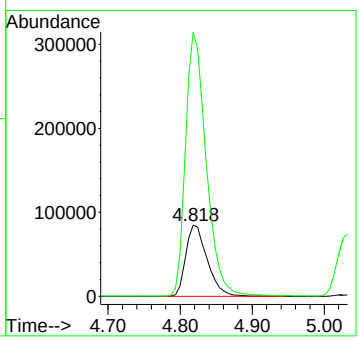


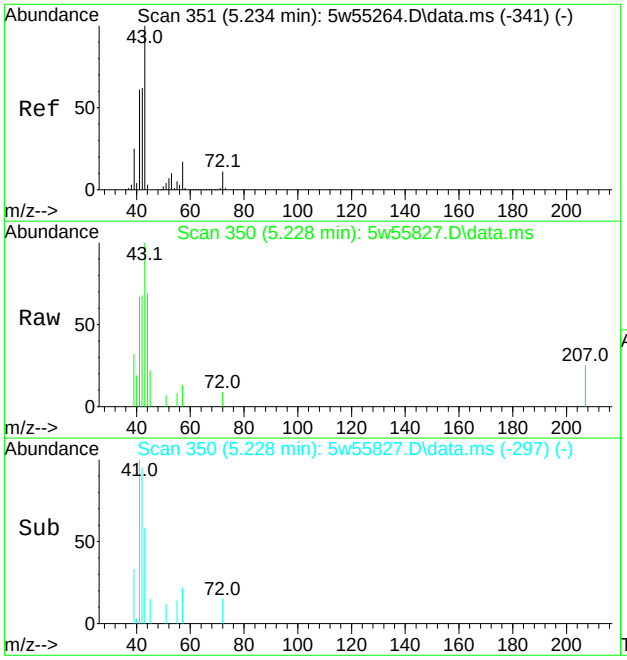


#23
ACETONE
Concen: 10.4499 PPBV
RT: 4.818 min Scan# 283
Delta R.T. -0.006 min
Lab File: 5w55827.D
Acq: 23 Dec 2024 4:52 pm

Tgt Ion: 58 Resp: 175950

Ion	Ratio	Lower	Upper
58	100		
43	356.9	312.3	372.3

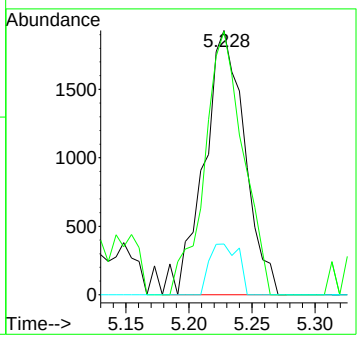


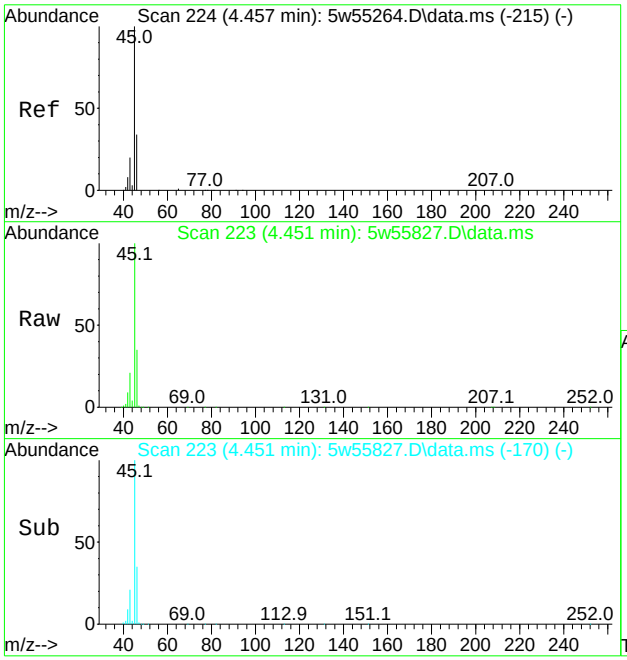


#24
PENTANE
Concen: 0.1941 PPBV
RT: 5.228 min Scan# 350
Delta R.T. -0.006 min
Lab File: 5w55827.D
Acq: 23 Dec 2024 4:52 pm

Tgt Ion: 42 Resp: 4307

Ion	Ratio	Lower	Upper
42	100		
41	94.8	64.4	124.4
57	13.8	0.0	55.0

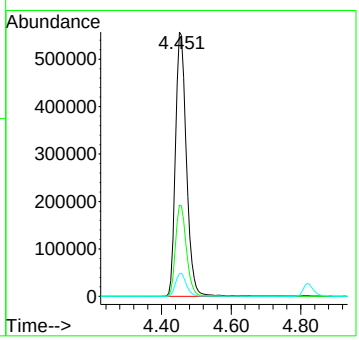


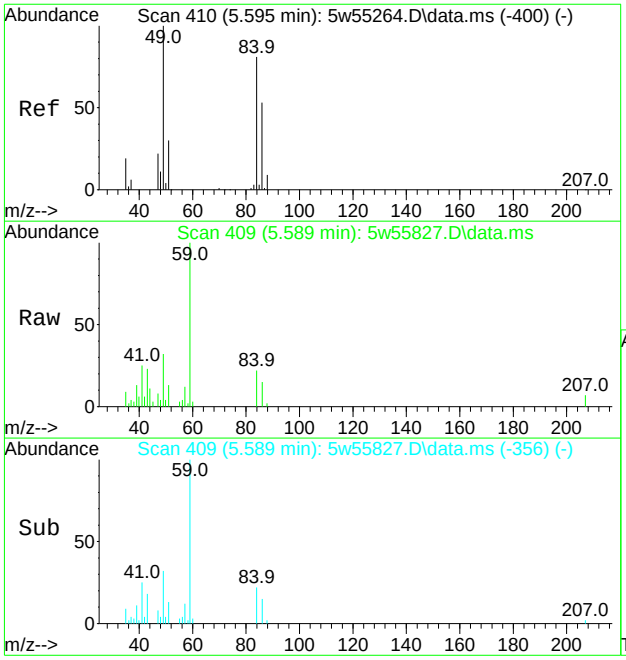


#28
ETHANOL
Concen: 74.7660 PPBV
RT: 4.451 min Scan# 223
Delta R.T. -0.006 min
Lab File: 5w55827.D
Acq: 23 Dec 2024 4:52 pm

Tgt Ion: 45 Resp: 1224023

Ion	Ratio	Lower	Upper
45	100		
46	34.6	4.5	64.5
42	9.1	0.0	38.6

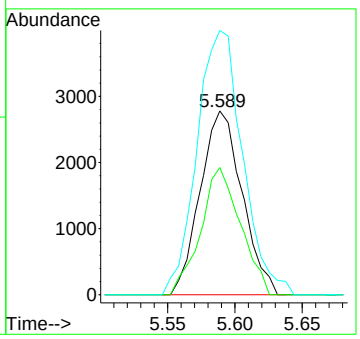


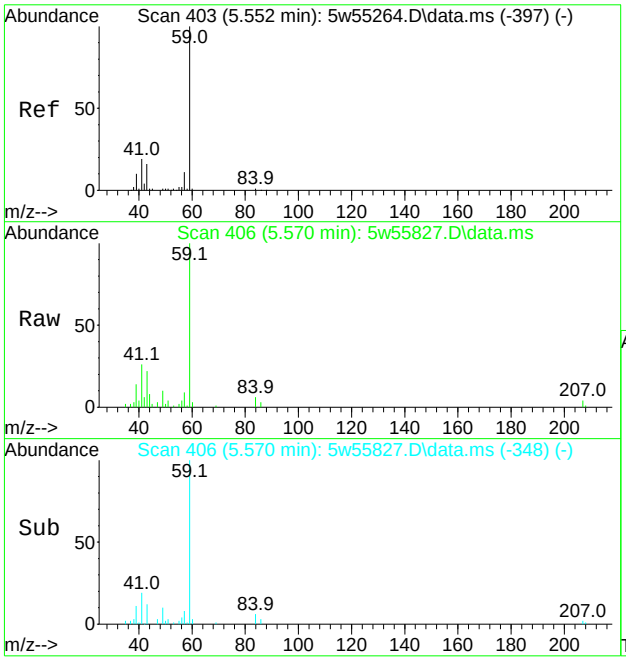


#31
METHYLENE CHLORIDE
Concen: 0.2750 PPBV
RT: 5.589 min Scan# 409
Delta R.T. -0.006 min
Lab File: 5w55827.D
Acq: 23 Dec 2024 4:52 pm

Tgt Ion: 84 Resp: 6022

Ion	Ratio	Lower	Upper
84	100		
86	65.6	34.0	94.0
49	156.6	105.8	165.8

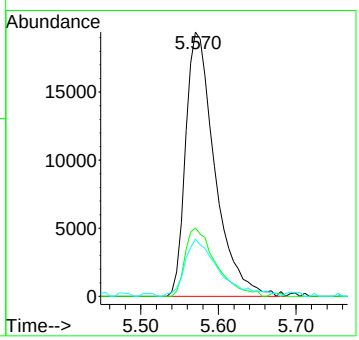


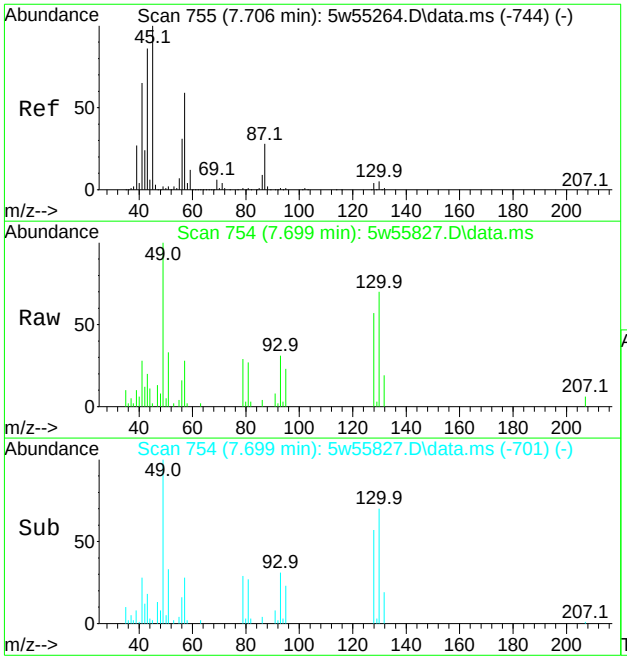


#35
TERTIARY BUTYL ALCOHOL
Concen: 1.2094 PPBV
RT: 5.570 min Scan# 406
Delta R.T. 0.024 min
Lab File: 5w55827.D
Acq: 23 Dec 2024 4:52 pm

Tgt Ion: 59 Resp: 50821

Ion	Ratio	Lower	Upper
59	100		
41	27.2	0.0	53.1
43	25.2	0.0	47.1

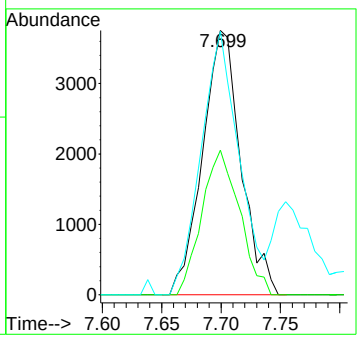


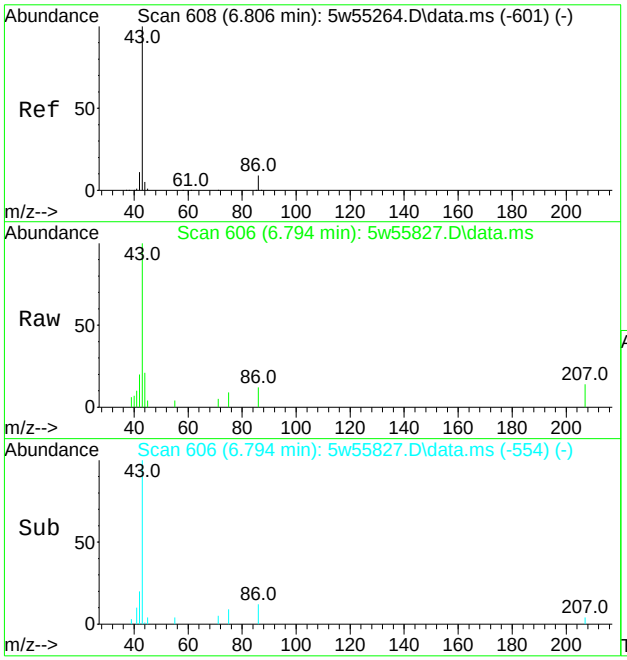


#38
HEXANE
Concen: 0.2575 PPBV
RT: 7.699 min Scan# 754
Delta R.T. -0.006 min
Lab File: 5w55827.D
Acq: 23 Dec 2024 4:52 pm

Tgt Ion: 57 Resp: 8423

Ion	Ratio	Lower	Upper
57	100		
56	53.8	24.2	84.2
41	98.6	92.1	152.1

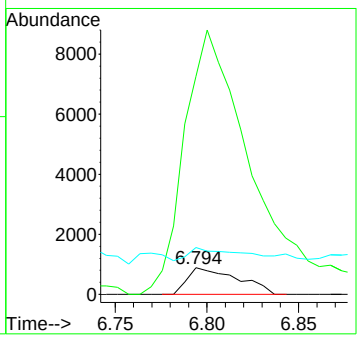


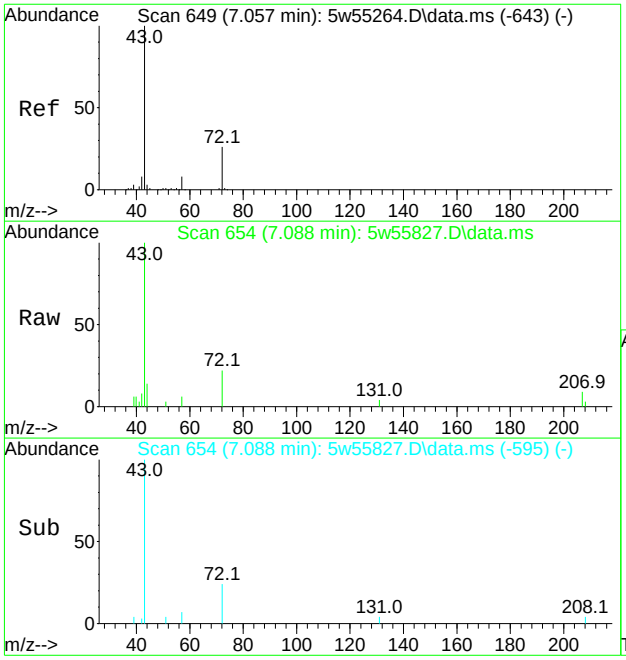


#39
VINYL ACETATE
Concen: 0.4528 PPBV
RT: 6.794 min Scan# 606
Delta R.T. -0.012 min
Lab File: 5w55827.D
Acq: 23 Dec 2024 4:52 pm

Tgt Ion: 86 Resp: 1693

Ion	Ratio	Lower	Upper
86	100		
43	1450.9	1335.5	1395.5#
44	106.7	40.9	100.9#

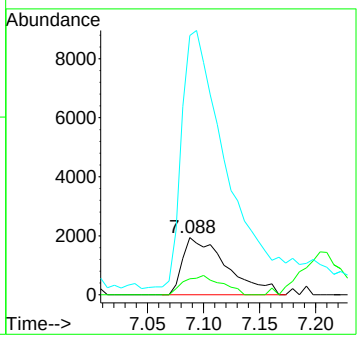


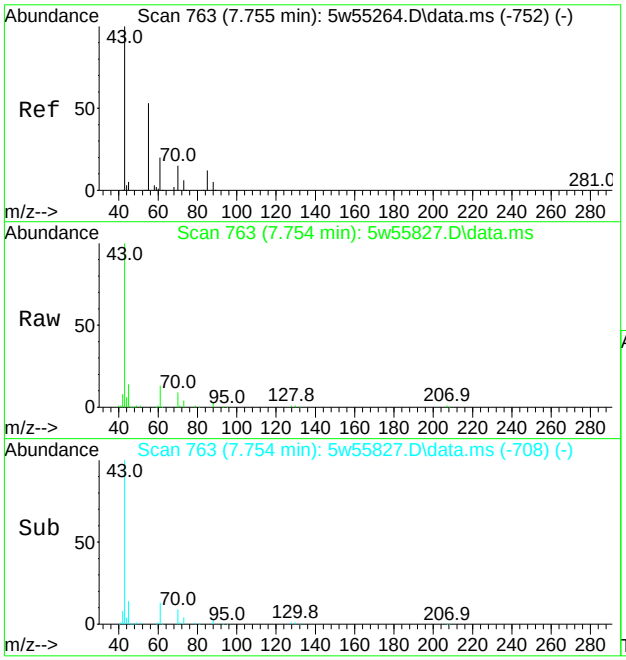


#41
METHYL ETHYL KETONE
Concen: 0.5844 PPBV
RT: 7.088 min Scan# 654
Delta R.T. 0.030 min
Lab File: 5w55827.D
Acq: 23 Dec 2024 4:52 pm

Tgt Ion: 72 Resp: 5292

Ion	Ratio	Lower	Upper
72	100		
57	27.8	1.1	61.1
43	452.3	390.6	450.6#

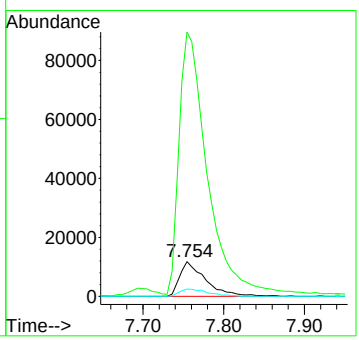


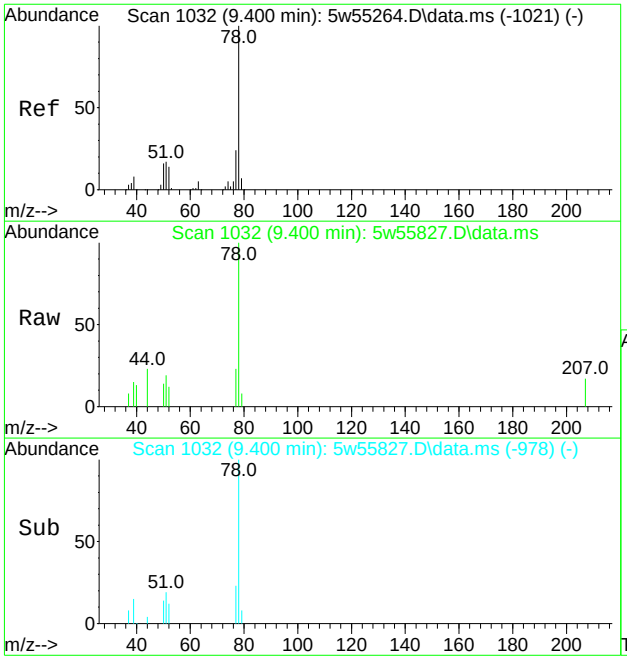


#44
ETHYL ACETATE
Concen: 3.9732 PPBV
RT: 7.754 min Scan# 763
Delta R.T. 0.006 min
Lab File: 5w55827.D
Acq: 23 Dec 2024 4:52 pm

Tgt Ion: 61 Resp: 26541

Ion	Ratio	Lower	Upper
61	100		
43	842.6	0.0	30.0#
88	23.2	7.3	67.3

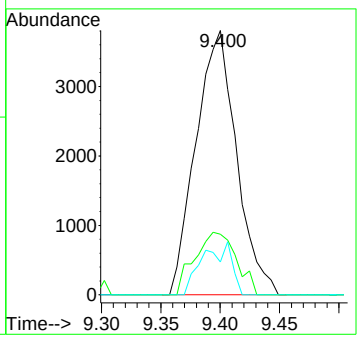


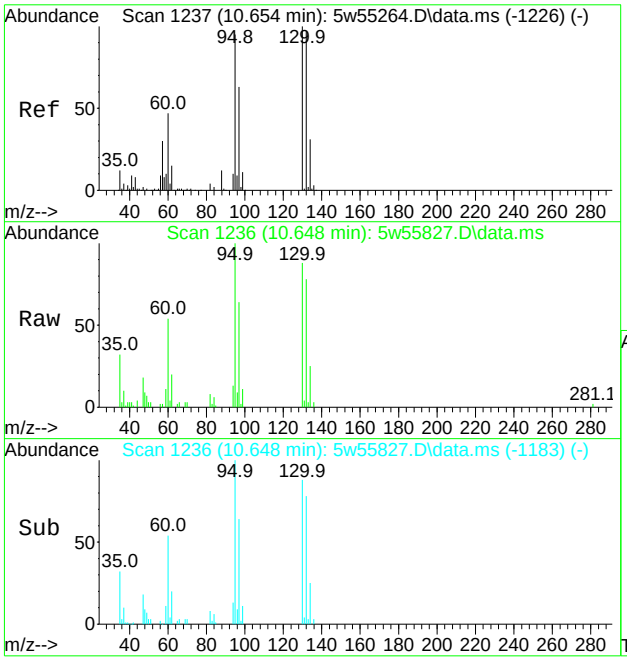


#52
BENZENE
Concen: 0.1201 PPBV
RT: 9.400 min Scan# 1032
Delta R.T. -0.000 min
Lab File: 5w55827.D
Acq: 23 Dec 2024 4:52 pm

Tgt Ion: 78 Resp: 9048

Ion	Ratio	Lower	Upper
78	100		
77	24.2	0.0	54.0
52	14.3	0.0	45.6

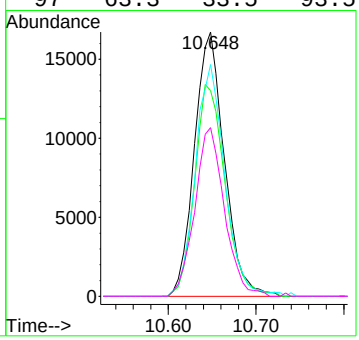


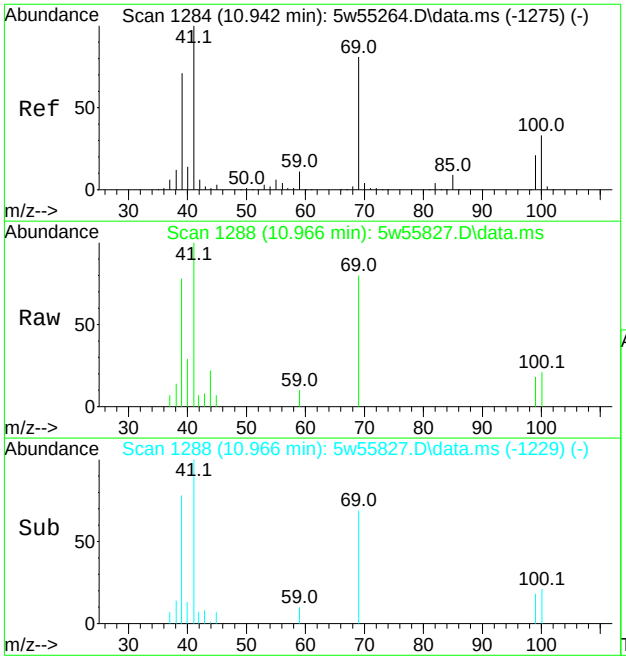


#55
TRICHLOROETHYLENE
Concen: 0.9983 PPBV
RT: 10.648 min Scan# 1236
Delta R.T. -0.006 min
Lab File: 5w55827.D
Acq: 23 Dec 2024 4:52 pm

Tgt Ion: 95 Resp: 39658

Ion	Ratio	Lower	Upper
95	100		
132	81.6	60.0	120.0
130	86.8	64.1	124.1
97	63.3	33.5	93.5

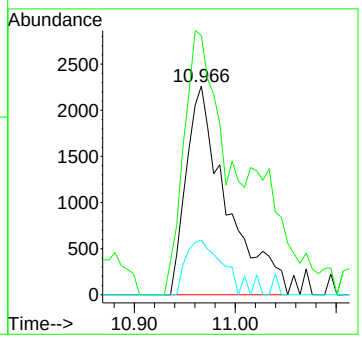


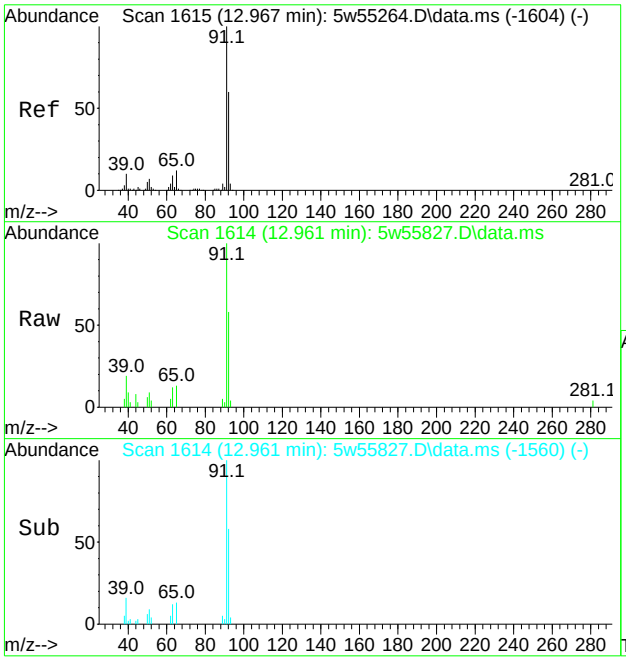


#63
METHYL METHACRYLATE
Concen: 0.2524 PPBV
RT: 10.966 min Scan# 1288
Delta R.T. 0.030 min
Lab File: 5w55827.D
Acq: 23 Dec 2024 4:52 pm

Tgt Ion: 69 Resp: 6324

Ion	Ratio	Lower	Upper
69	100		
41	185.4	97.3	157.3#
100	25.0	3.0	63.0

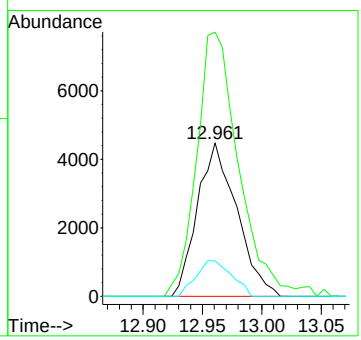


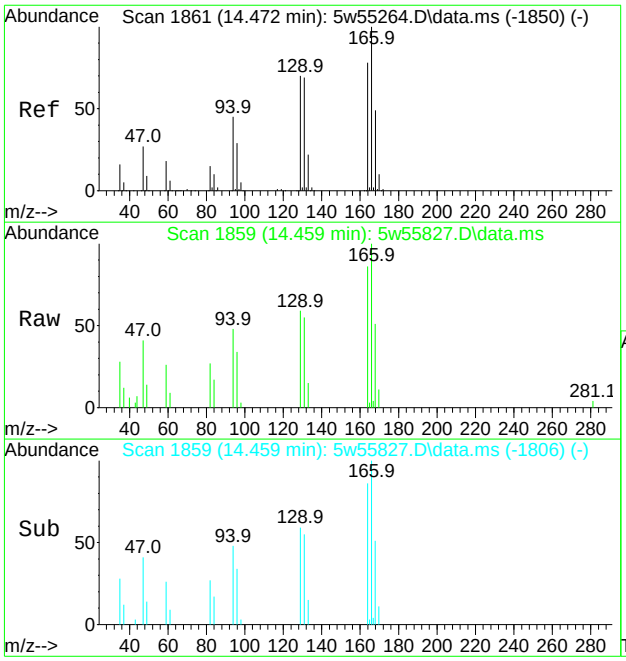


#66
TOLUENE
Concen: 0.1958 PPBV
RT: 12.961 min Scan# 1614
Delta R.T. -0.000 min
Lab File: 5w55827.D
Acq: 23 Dec 2024 4:52 pm

Tgt Ion: 92 Resp: 10321

Ion	Ratio	Lower	Upper
92	100		
91	185.3	143.4	203.4
65	21.1	0.0	53.8

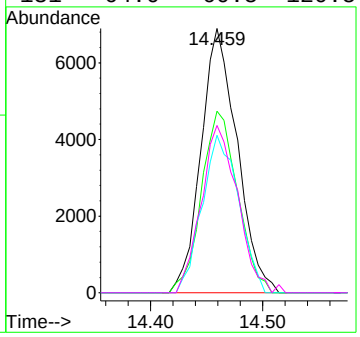


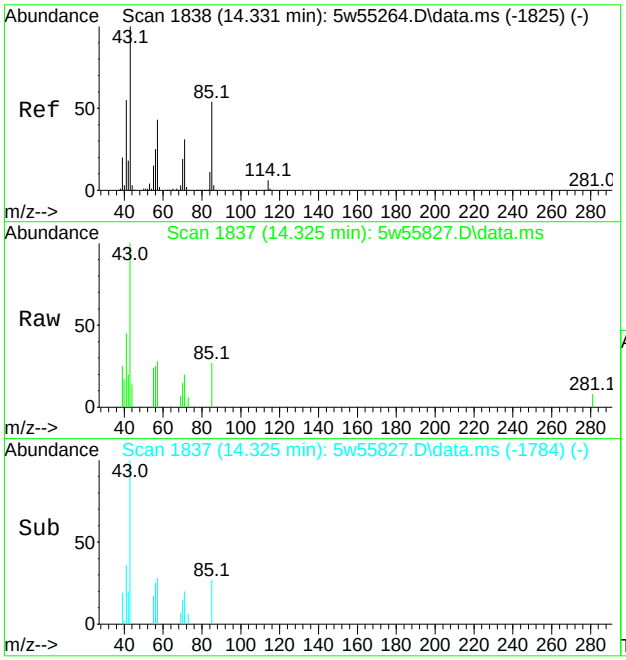


#73
TETRACHLOROETHYLENE
Concen: 0.4144 PPBV
RT: 14.459 min Scan# 1859
Delta R.T. -0.006 min
Lab File: 5w55827.D
Acq: 23 Dec 2024 4:52 pm

Tgt Ion:164 Resp: 15484

Ion	Ratio	Lower	Upper
164	100		
129	68.7	64.4	124.4
168	60.4	31.2	91.2
131	64.0	60.5	120.5

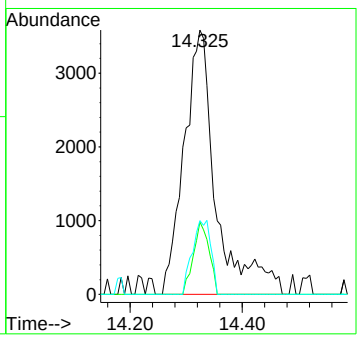




#76
OCTANE
Concen: 0.2813 PPBV
RT: 14.325 min Scan# 1837
Delta R.T. -0.006 min
Lab File: 5w55827.D
Acq: 23 Dec 2024 4:52 pm

Tgt Ion: 43 Resp: 14137

Ion	Ratio	Lower	Upper
43	100		
85	13.5	13.7	73.7#
57	16.3	9.9	69.9



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 12/18/24 22:00

Quantitation Report (QT Reviewed)

Data Path : R:\MSAIR\Done\2024\December\17 Dec 2024\v5w2132\
Data File : 5w55673.D
Acq On : 16 Dec 2024 8:57 pm
Operator : thomash
Sample : je2487-2 Inst : GCMS5W
Misc : MS88104,V5W2132,500,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 17 11:51:14 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

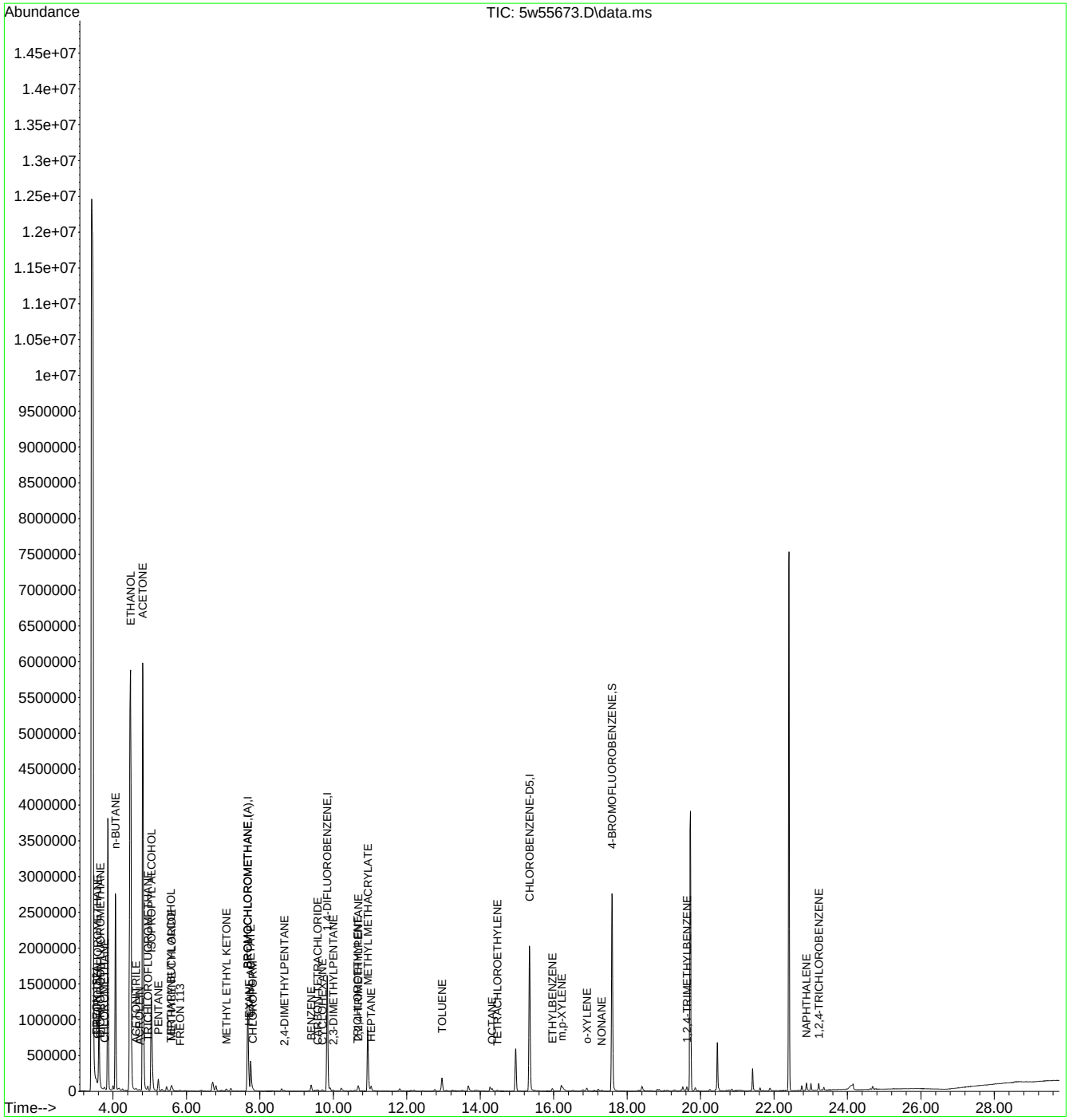
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	7.669	128	279715	10.00	PPBV	# 0.00
51) 1,4-DIFLUOROBENZENE	9.829	114	1392537	10.00	PPBV	0.00
70) CHLOROBENZENE-D5	15.341	82	858944	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	7.669	128	279715	10.00	PPBV	# 0.00
System Monitoring Compounds						
85) 4-BROMOFLUOROBENZENE	17.586	95	1057631	11.00	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 110.00%			
Target Compounds						Qvalue
3) FREON 152A	3.546	65	19833	0.9584	PPBV	55
4) CHLORODIFLUOROMETHANE	3.576	67	4425	0.4124	PPBV	94
6) DICHLORODIFLUOROMETHANE	3.656	85	63749	0.6236	PPBV	99
10) CHLOROMETHANE	3.772	52	7123	0.5404	PPBV #	80
13) n-BUTANE	4.066	43	2355567	39.4190	PPBV	99
17) ACETONITRILE	4.622	41	24049	0.6967	PPBV	94
18) ACROLEIN	4.714	56	10288	0.6826	PPBV	89
21) TRICHLOROFLUOROMETHANE	4.947	101	45850	0.4854	PPBV	99
22) ISOPROPYL ALCOHOL	5.044	45	2082444	34.7932	PPBV	98
23) ACETONE	4.806	58	2341132	103.7732	PPBV	98
24) PENTANE	5.234	42	68258	2.2957	PPBV	97
28) ETHANOL	4.476	45	9564257	436.0153	PPBV	98
31) METHYLENE CHLORIDE	5.601	84	22209	0.7570	PPBV	99
33) FREON 113	5.828	151	5043	0.1036	PPBV	90
35) TERTIARY BUTYL ALCOHOL	5.577	59	67061	1.1911	PPBV #	61
38) HEXANE	7.700	57	47907	1.0931	PPBV	93
41) METHYL ETHYL KETONE	7.088	72	12758	1.0515	PPBV	90
44) ETHYL ACETATE	7.748	61	80032	8.9417	PPBV #	75
46) CHLOROFORM	7.804	83	12160	0.1693	PPBV	98
47) 2,4-DIMETHYLPENTANE	8.666	57	5420	0.1131	PPBV	95
49) CARBON TETRACHLORIDE	9.572	117	8867	0.1151	PPBV	99
52) BENZENE	9.400	78	91003	0.9016	PPBV	99
53) CYCLOHEXANE	9.700	84	8506	0.2243	PPBV	81
54) 2,3-DIMETHYLPENTANE	9.994	71	3422	0.1672	PPBV	98
55) TRICHLOROETHYLENE	10.661	95	3652	0.0686	PPBV	89
60) 2,2,4-TRIMETHYLPENTANE	10.679	57	69286	0.4520	PPBV	86
62) HEPTANE	11.028	43	28874	0.5393	PPBV	97
63) METHYL METHACRYLATE	10.936	69	406504	12.1146	PPBV	96
66) TOLUENE	12.961	92	93494	1.3243	PPBV	97
73) TETRACHLOROETHYLENE	14.472	164	3242	0.0578	PPBV	87
76) OCTANE	14.325	43	24399m	0.3234	PPBV	
79) ETHYLBENZENE	15.965	91	39230	0.2477	PPBV	93
80) m,p-XYLENE	16.215	106	38407	0.6392	PPBV	97
81) o-XYLENE	16.907	106	14108	0.2419	PPBV	87
83) NONANE	17.304	43	9357	0.1188	PPBV #	90
96) 1,2,4-TRIMETHYLBENZENE	19.629	105	31869	0.2134	PPBV #	41
107) 1,2,4-TRICHLOROBENZENE	23.220	180	30260	0.3181	PPBV	97
108) NAPHTHALENE	22.884	128	69916	0.3348	PPBV	99

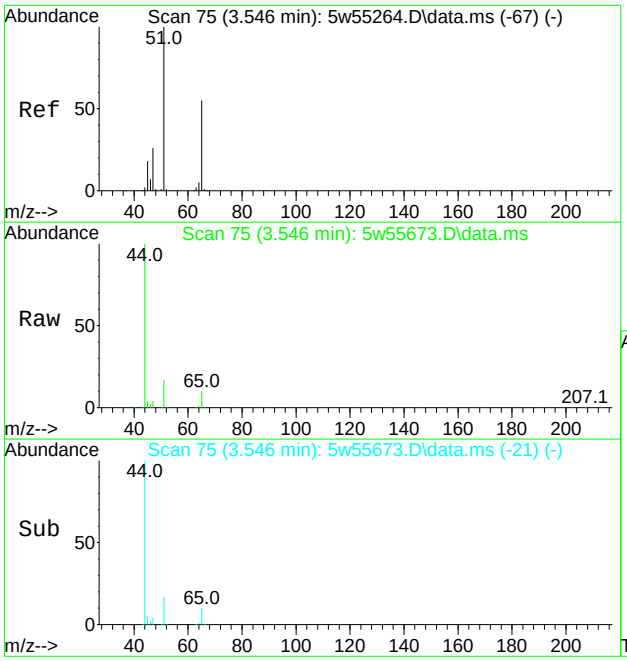
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : R:\MSAIR\Done\2024\December\17 Dec 2024\v5w2132\
Data File : 5w55673.D
Acq On : 16 Dec 2024 8:57 pm
Operator : thomash
Sample : je2487-2 Inst : GCMS5W
Misc : MS88104,V5W2132,500,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 17 11:51:14 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

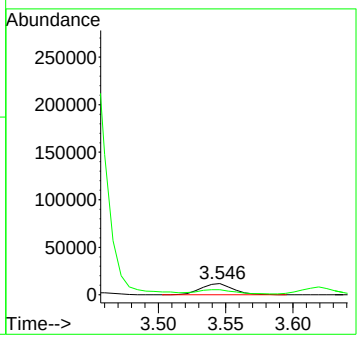


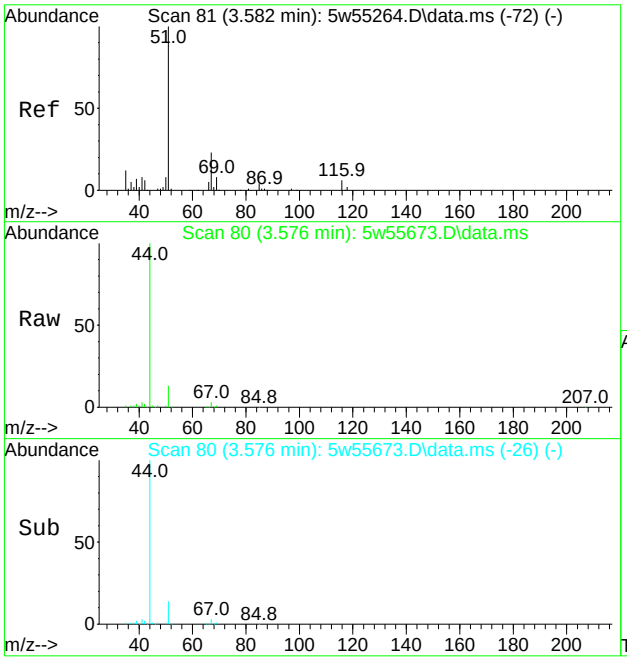


#3
FREON 152A
Concen: 0.9584 PPBV
RT: 3.546 min Scan# 75
Delta R.T. -0.000 min
Lab File: 5w55673.D
Acq: 16 Dec 2024 8:57 pm

Tgt Ion: 65 Resp: 19833

Ion	Ratio	Lower	Upper
65	100		
45	56.9	1.8	61.8

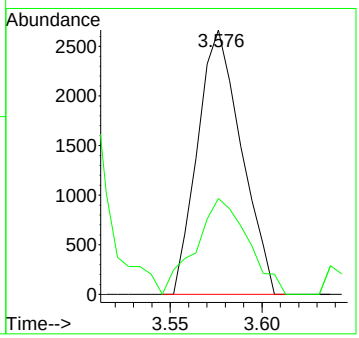


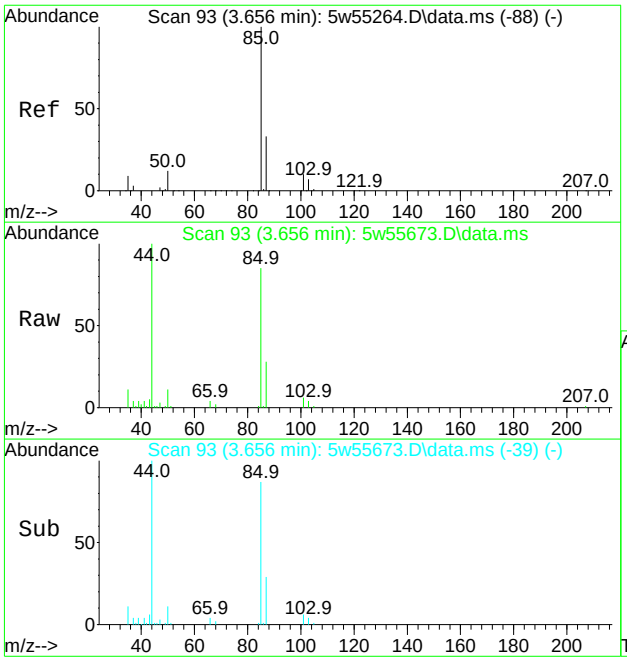


#4
CHLORODIFLUOROMETHANE
Concen: 0.4124 PPBV
RT: 3.576 min Scan# 80
Delta R.T. -0.000 min
Lab File: 5w55673.D
Acq: 16 Dec 2024 8:57 pm

Tgt Ion: 67 Resp: 4425

Ion	Ratio	Lower	Upper
67	100		
69	36.3	2.9	62.9

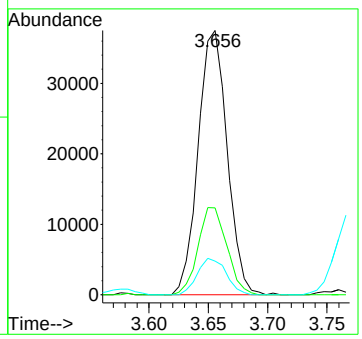


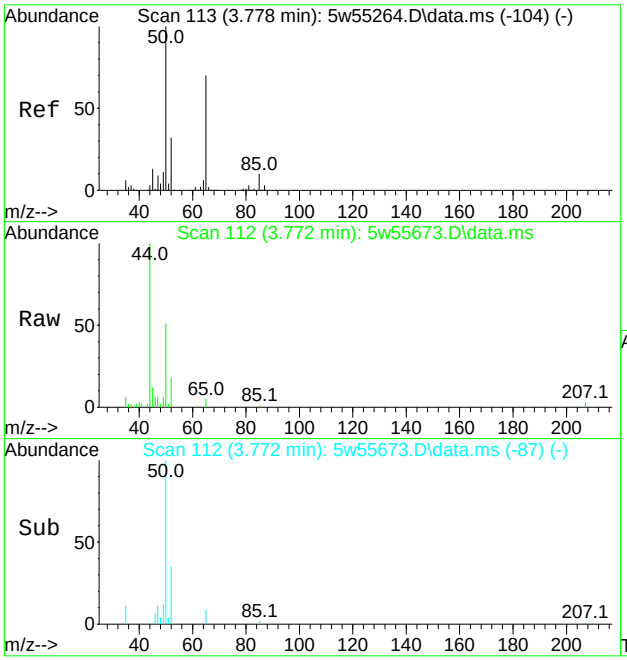


#6
DICHLORODIFLUOROMETHANE
Concen: 0.6236 PPBV
RT: 3.656 min Scan# 93
Delta R.T. -0.000 min
Lab File: 5w55673.D
Acq: 16 Dec 2024 8:57 pm

Tgt Ion: 85 Resp: 63749

Ion	Ratio	Lower	Upper
85	100		
87	32.7	2.6	62.6
50	13.7	0.0	43.0

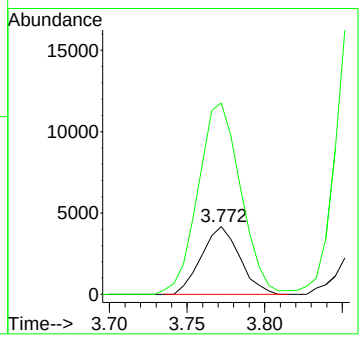


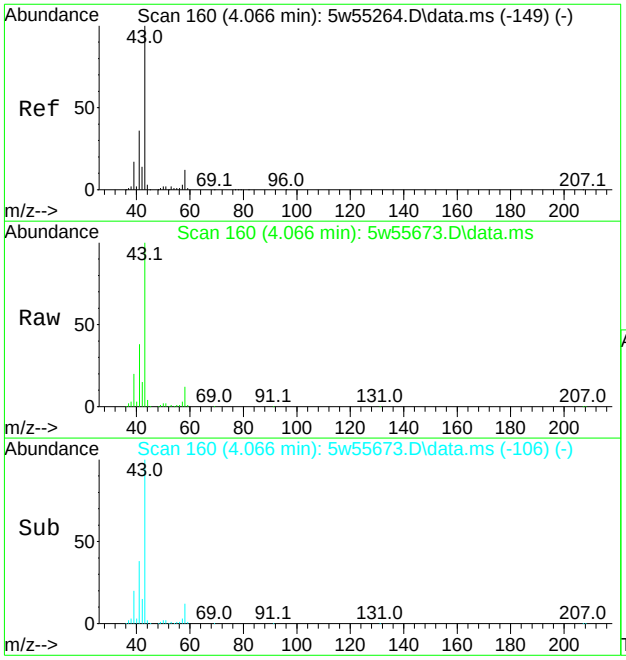


#10
CHLOROMETHANE
Concen: 0.5404 PPBV
RT: 3.772 min Scan# 112
Delta R.T. -0.000 min
Lab File: 5w55673.D
Acq: 16 Dec 2024 8:57 pm

Tgt Ion: 52 Resp: 7123

Ion	Ratio	Lower	Upper
52	100		
50	276.4	287.9	347.9#

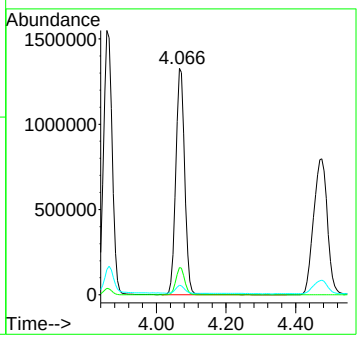


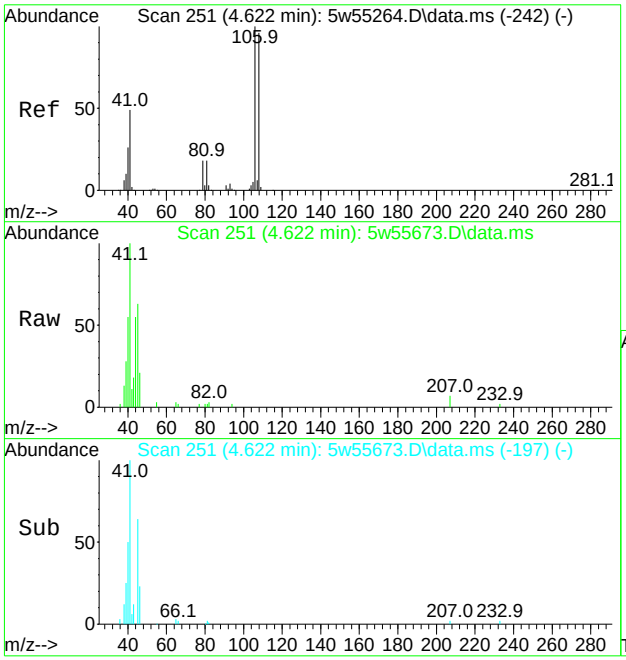


#13
n-BUTANE
Concen: 39.4190 PPBV
RT: 4.066 min Scan# 160
Delta R.T. -0.000 min
Lab File: 5w55673.D
Acq: 16 Dec 2024 8:57 pm

Tgt Ion: 43 Resp: 2355567

Ion	Ratio	Lower	Upper
43	100		
58	11.8	0.0	41.6
44	5.4	0.0	34.7

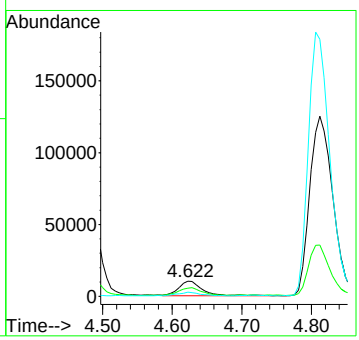


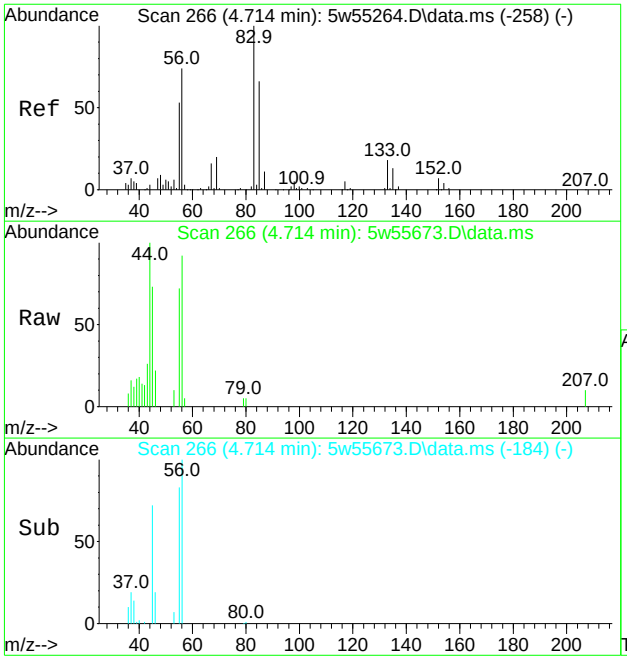


#17
ACETONITRILE
Concen: 0.6967 PPBV
RT: 4.622 min Scan# 251
Delta R.T. -0.000 min
Lab File: 5w55673.D
Acq: 16 Dec 2024 8:57 pm

Tgt Ion: 41 Resp: 24049

Ion	Ratio	Lower	Upper
41	100		
40	51.4	38.4	71.4
39	24.5	13.7	25.5

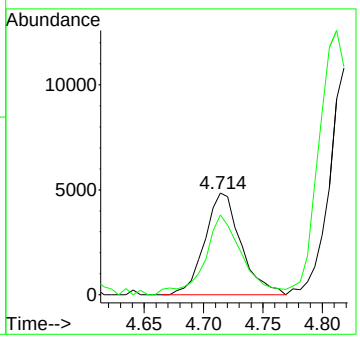


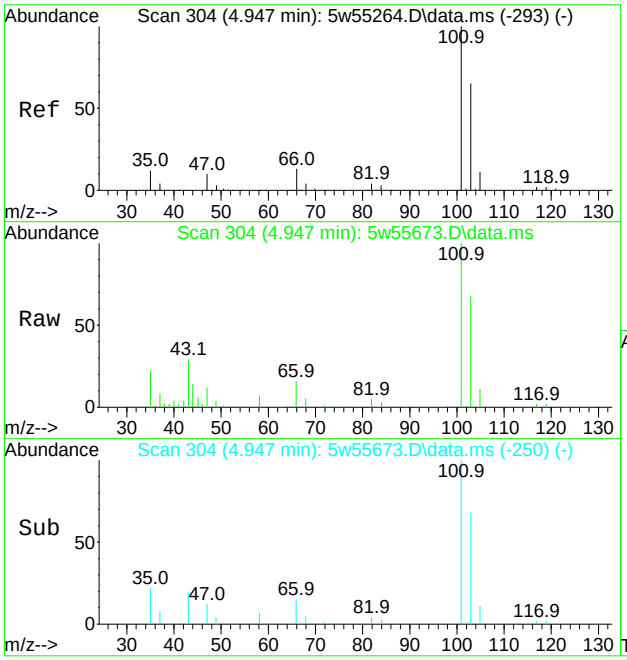


#18
ACROLEIN
Concen: 0.6826 PPBV
RT: 4.714 min Scan# 266
Delta R.T. -0.000 min
Lab File: 5w55673.D
Acq: 16 Dec 2024 8:57 pm

Tgt Ion: 56 Resp: 10288

Ion	Ratio	Lower	Upper
56	100		
55	80.6	49.8	92.6

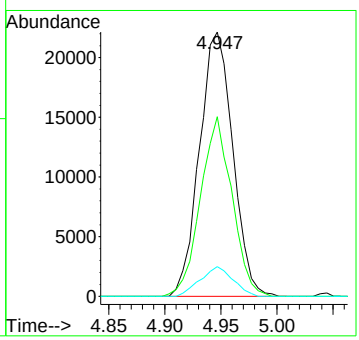


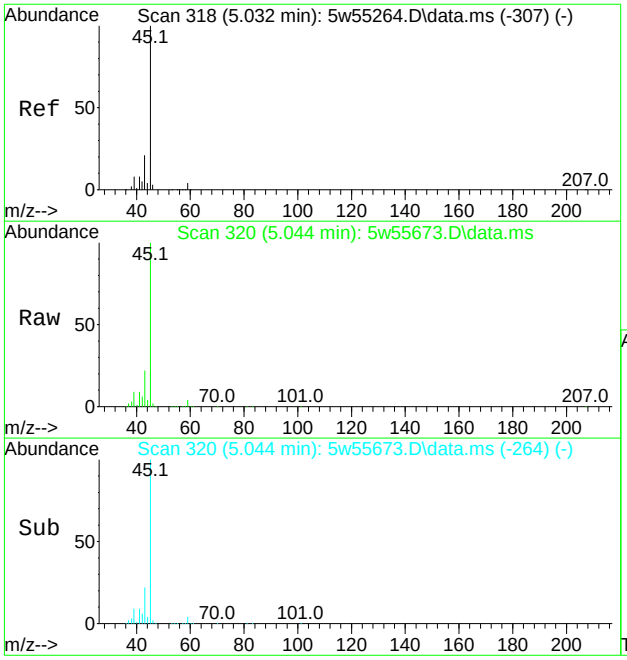


#21
TRICHLOROFLUOROMETHANE
Concen: 0.4854 PPBV
RT: 4.947 min Scan# 304
Delta R.T. -0.000 min
Lab File: 5w55673.D
Acq: 16 Dec 2024 8:57 pm

Tgt Ion:101 Resp: 45850

Ion	Ratio	Lower	Upper
101	100		
103	64.3	34.7	94.7
105	11.0	0.0	40.5

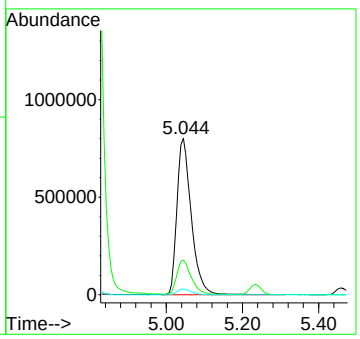


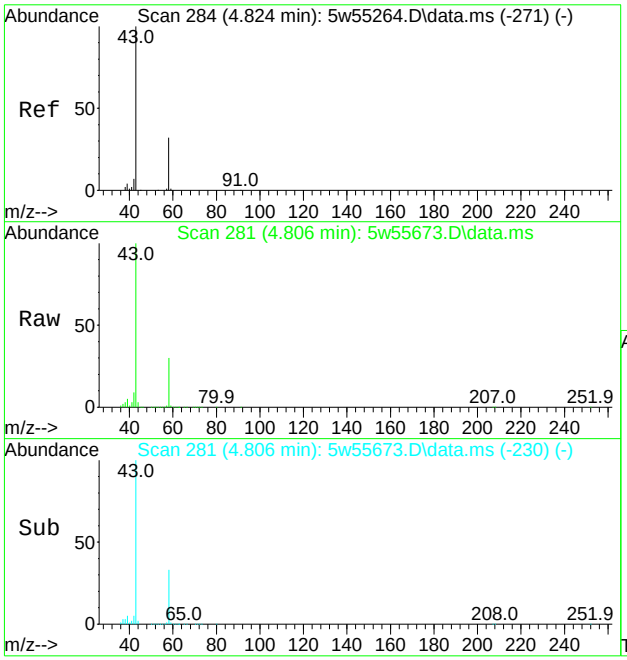


#22
ISOPROPYL ALCOHOL
Concen: 34.7932 PPBV
RT: 5.044 min Scan# 320
Delta R.T. 0.012 min
Lab File: 5w55673.D
Acq: 16 Dec 2024 8:57 pm

Tgt Ion: 45 Resp: 2082444

Ion	Ratio	Lower	Upper
45	100		
43	22.0	0.0	50.8
59	3.6	0.0	33.8

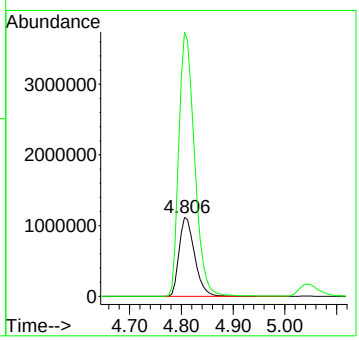


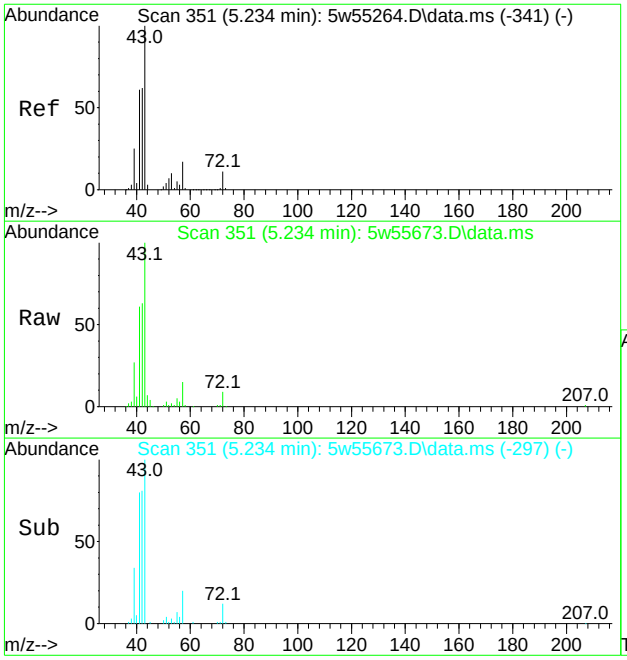


#23
ACETONE
Concen: 103.7732 PPBV
RT: 4.806 min Scan# 281
Delta R.T. -0.018 min
Lab File: 5w55673.D
Acq: 16 Dec 2024 8:57 pm

Tgt Ion: 58 Resp: 2341132

Ion	Ratio	Lower	Upper
58	100		
43	338.7	312.3	372.3

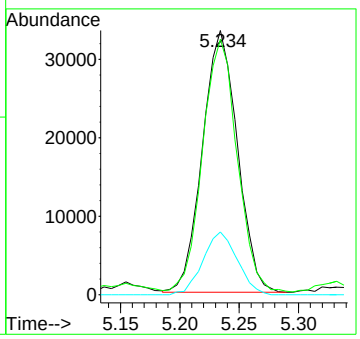


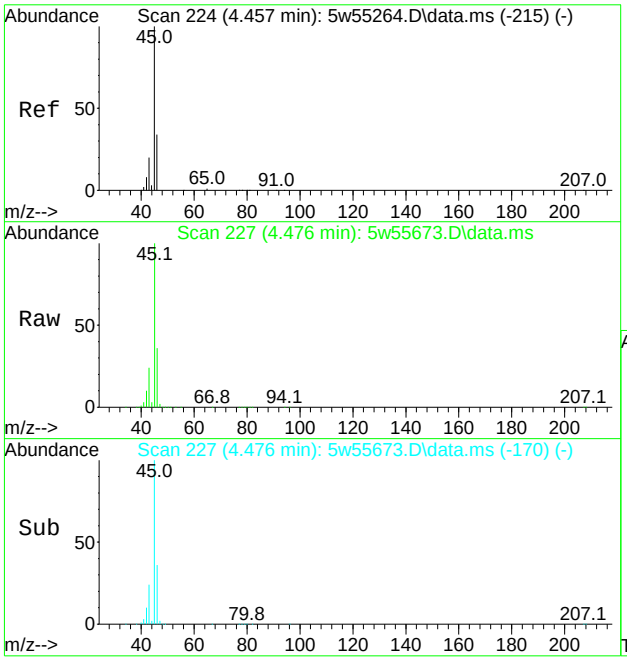


#24
PENTANE
Concen: 2.2957 PPBV
RT: 5.234 min Scan# 351
Delta R.T. -0.000 min
Lab File: 5w55673.D
Acq: 16 Dec 2024 8:57 pm

Tgt Ion: 42 Resp: 68258

Ion	Ratio	Lower	Upper
42	100		
41	96.7	64.4	124.4
57	23.5	0.0	55.0

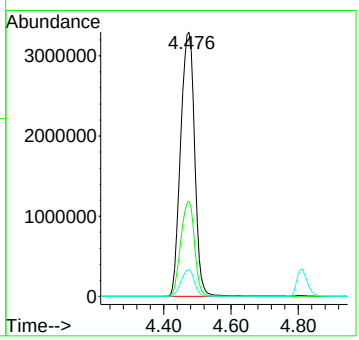


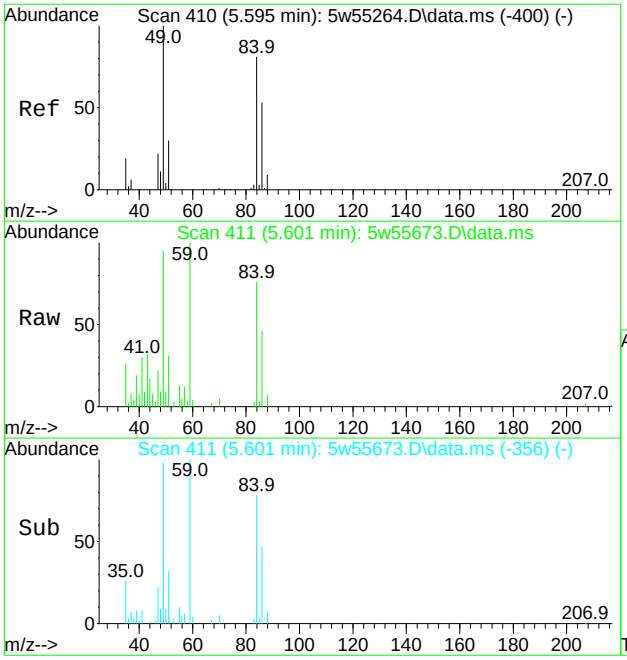


#28
ETHANOL
Concen: 436.0153 PPBV
RT: 4.476 min Scan# 227
Delta R.T. 0.018 min
Lab File: 5w55673.D
Acq: 16 Dec 2024 8:57 pm

Tgt Ion: 45 Resp: 9564257

Ion	Ratio	Lower	Upper
45	100		
46	35.4	4.5	64.5
42	9.6	0.0	38.6

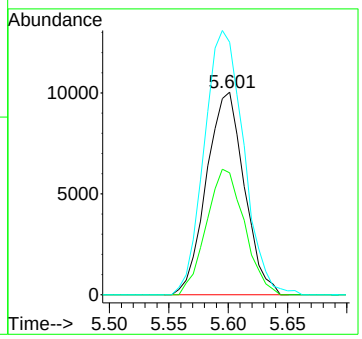


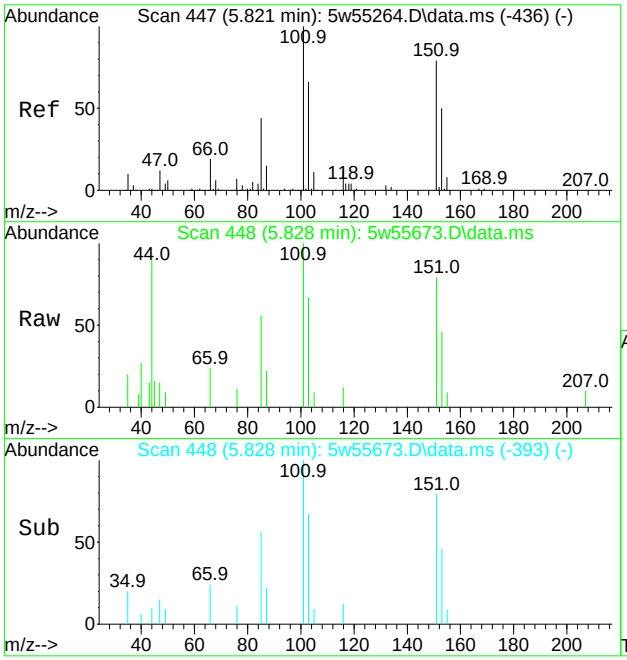


#31
METHYLENE CHLORIDE
Concen: 0.7570 PPBV
RT: 5.601 min Scan# 411
Delta R.T. 0.006 min
Lab File: 5w55673.D
Acq: 16 Dec 2024 8:57 pm

Tgt Ion: 84 Resp: 22209

Ion	Ratio	Lower	Upper
84	100		
86	62.3	34.0	94.0
49	136.1	105.8	165.8

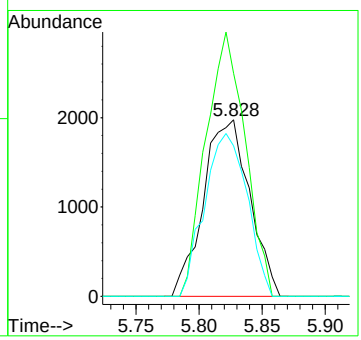


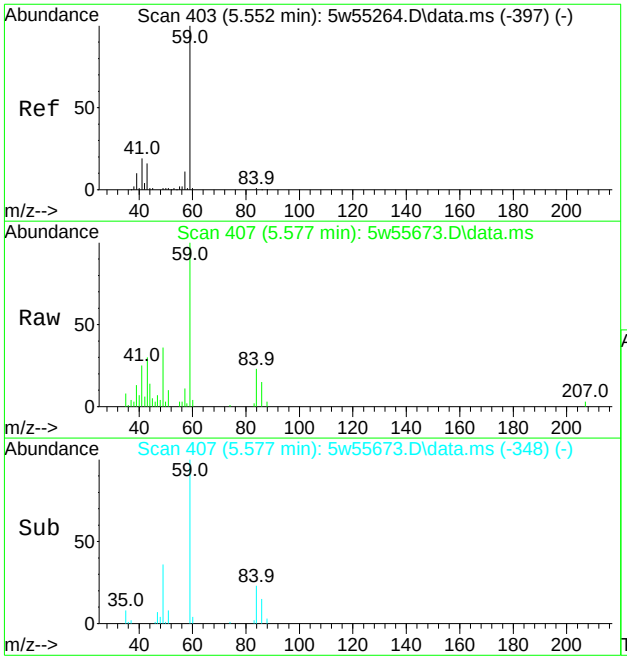


#33
FREON 113
Concen: 0.1036 PPBV
RT: 5.828 min Scan# 448
Delta R.T. 0.006 min
Lab File: 5w55673.D
Acq: 16 Dec 2024 8:57 pm

Tgt Ion:151 Resp: 5043

Ion	Ratio	Lower	Upper
151	100		
101	127.2	112.2	172.2
103	84.8	62.0	122.0

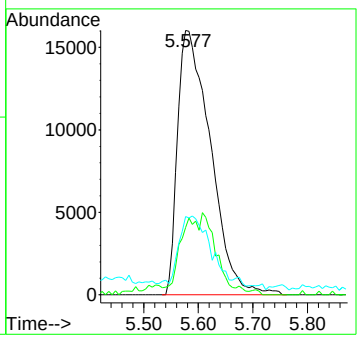


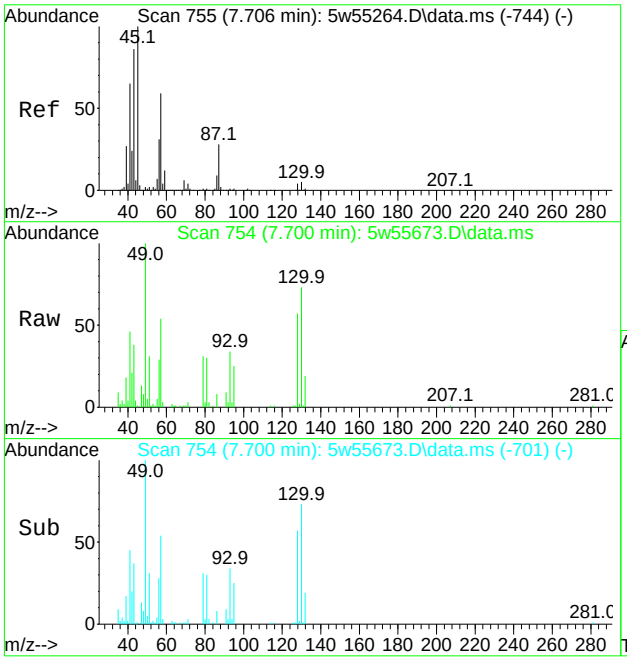


#35
TERTIARY BUTYL ALCOHOL
Concen: 1.1911 PPBV
RT: 5.577 min Scan# 407
Delta R.T. 0.030 min
Lab File: 5w55673.D
Acq: 16 Dec 2024 8:57 pm

Tgt Ion: 59 Resp: 67061

Ion	Ratio	Lower	Upper
59	100		
41	0.0	0.0	53.1
43	28.9	0.0	47.1

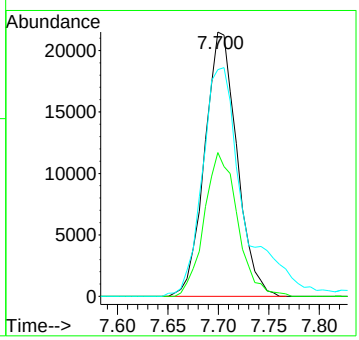


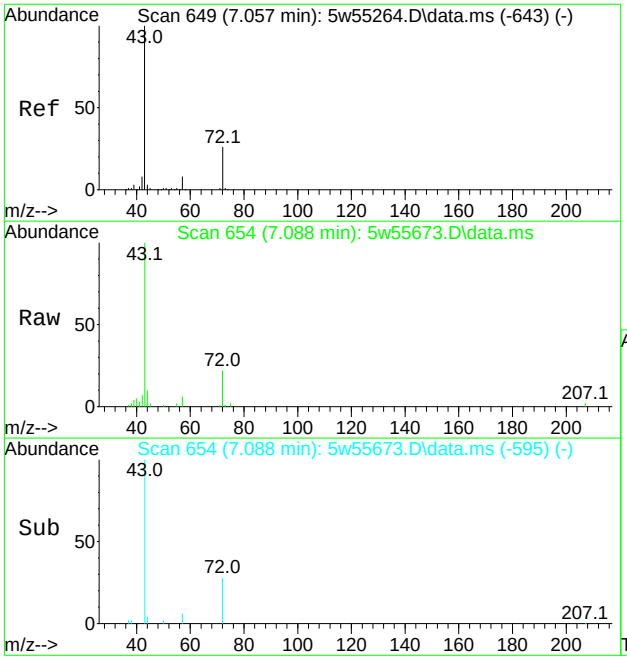


#38
HEXANE
Concen: 1.0931 PPBV
RT: 7.700 min Scan# 754
Delta R.T. -0.006 min
Lab File: 5w55673.D
Acq: 16 Dec 2024 8:57 pm

Tgt Ion: 57 Resp: 47907

Ion	Ratio	Lower	Upper
57	100		
56	56.2	24.2	84.2
41	112.1	92.1	152.1

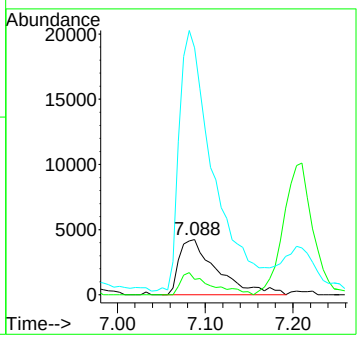


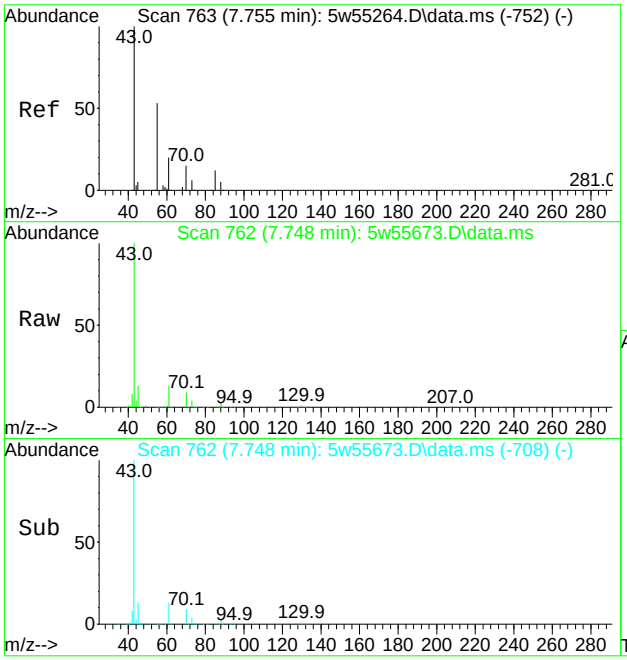


#41
METHYL ETHYL KETONE
Concen: 1.0515 PPBV
RT: 7.088 min Scan# 654
Delta R.T. 0.030 min
Lab File: 5w55673.D
Acq: 16 Dec 2024 8:57 pm

Tgt Ion: 72 Resp: 12758

Ion	Ratio	Lower	Upper
72	100		
57	28.2	1.1	61.1
43	446.9	390.6	450.6

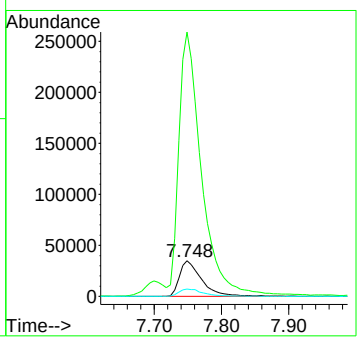


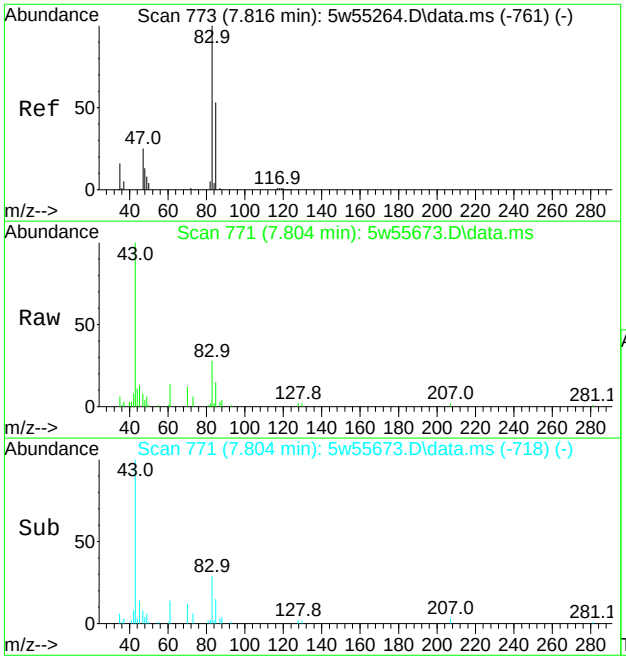


#44
ETHYL ACETATE
Concen: 8.9417 PPBV
RT: 7.748 min Scan# 762
Delta R.T. -0.000 min
Lab File: 5w55673.D
Acq: 16 Dec 2024 8:57 pm

Tgt Ion: 61 Resp: 80032

Ion	Ratio	Lower	Upper
61	100		
43	763.0	0.0	30.0#
88	22.5	7.3	67.3

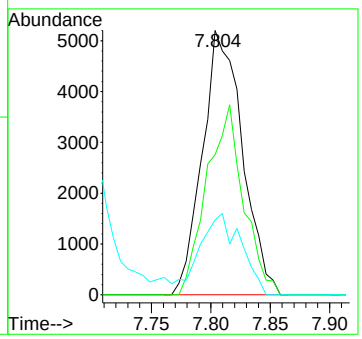


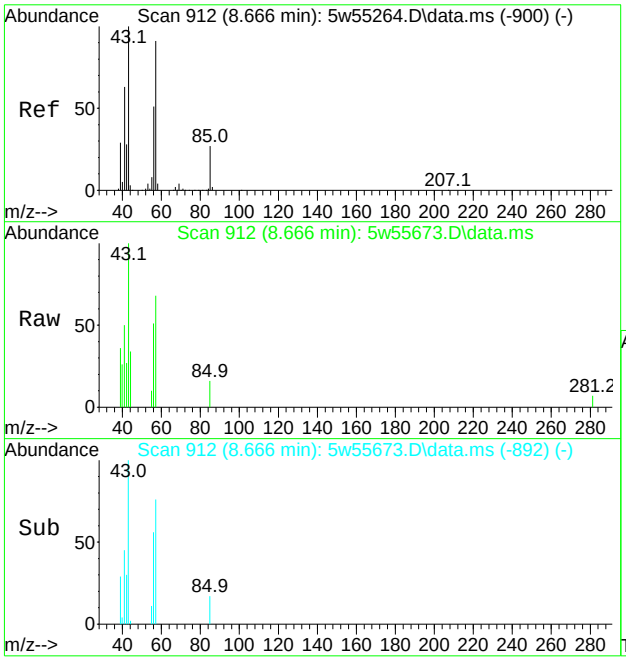


#46
CHLOROFORM
Concen: 0.1693 PPBV
RT: 7.804 min Scan# 771
Delta R.T. -0.006 min
Lab File: 5w55673.D
Acq: 16 Dec 2024 8:57 pm

Tgt Ion: 83 Resp: 12160

Ion	Ratio	Lower	Upper
83	100		
85	66.0	35.5	95.5
47	30.1	0.0	56.8

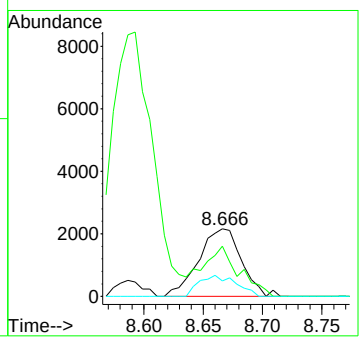


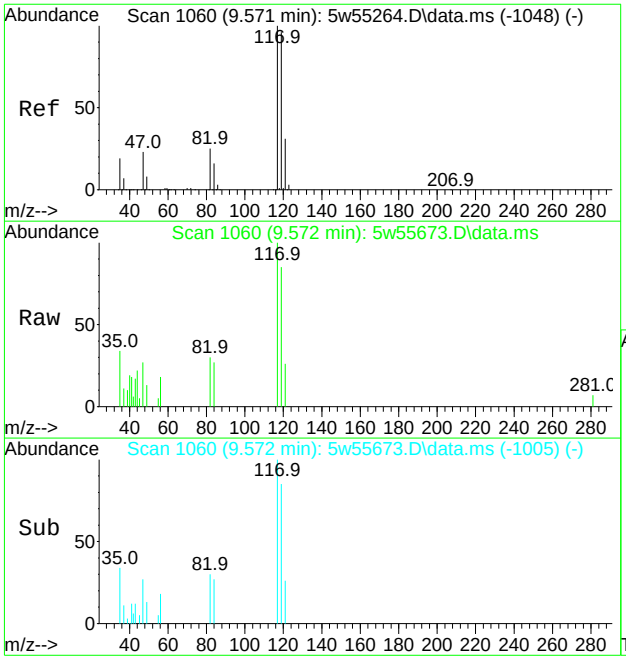


#47
2,4-DIMETHYLPENTANE
Concen: 0.1131 PPBV
RT: 8.666 min Scan# 912
Delta R.T. -0.000 min
Lab File: 5w55673.D
Acq: 16 Dec 2024 8:57 pm

Tgt Ion: 57 Resp: 5420

Ion	Ratio	Lower	Upper
57	100		
56	52.0	26.4	86.4
85	27.1	0.0	56.0

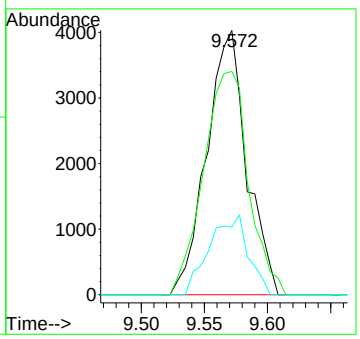


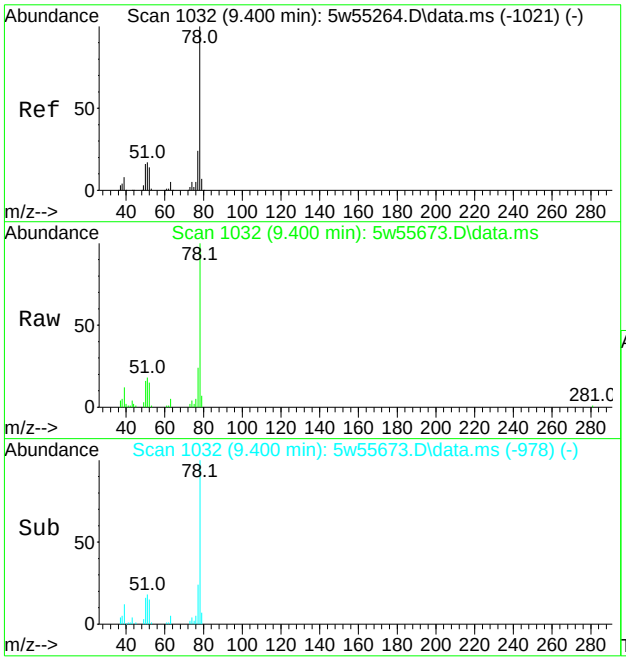


#49
CARBON TETRACHLORIDE
Concen: 0.1151 PPBV
RT: 9.572 min Scan# 1060
Delta R.T. 0.006 min
Lab File: 5w55673.D
Acq: 16 Dec 2024 8:57 pm

Tgt Ion:117 Resp: 8867

Ion	Ratio	Lower	Upper
117	100		
119	95.3	65.9	125.9
121	29.2	0.7	60.7

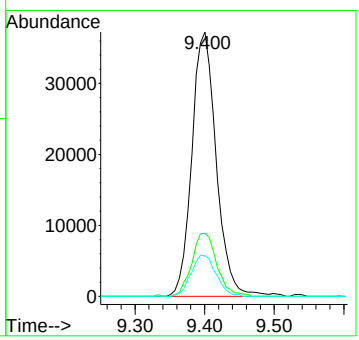


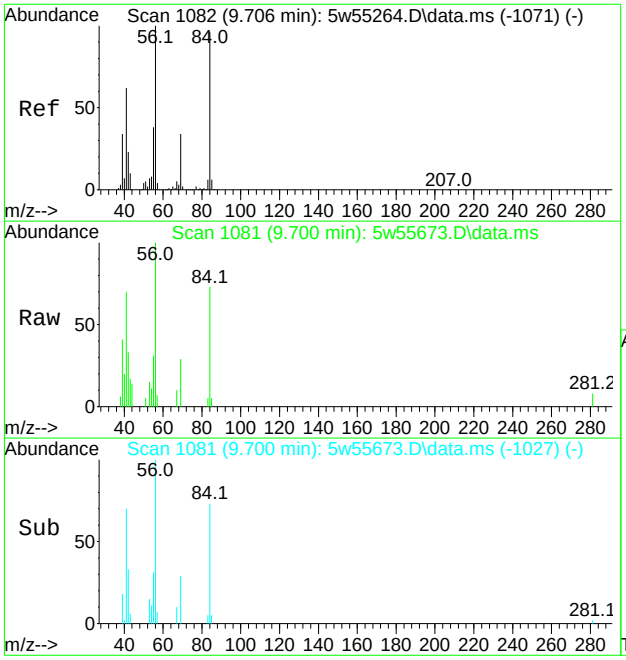


#52
BENZENE
Concen: 0.9016 PPBV
RT: 9.400 min Scan# 1032
Delta R.T. -0.000 min
Lab File: 5w55673.D
Acq: 16 Dec 2024 8:57 pm

Tgt Ion: 78 Resp: 91003

Ion	Ratio	Lower	Upper
78	100		
77	24.5	0.0	54.0
52	16.0	0.0	45.6

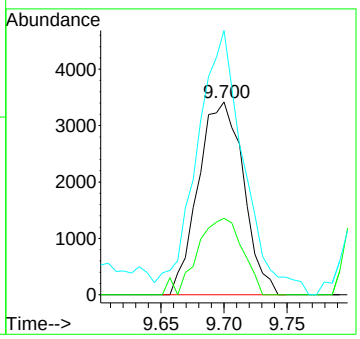


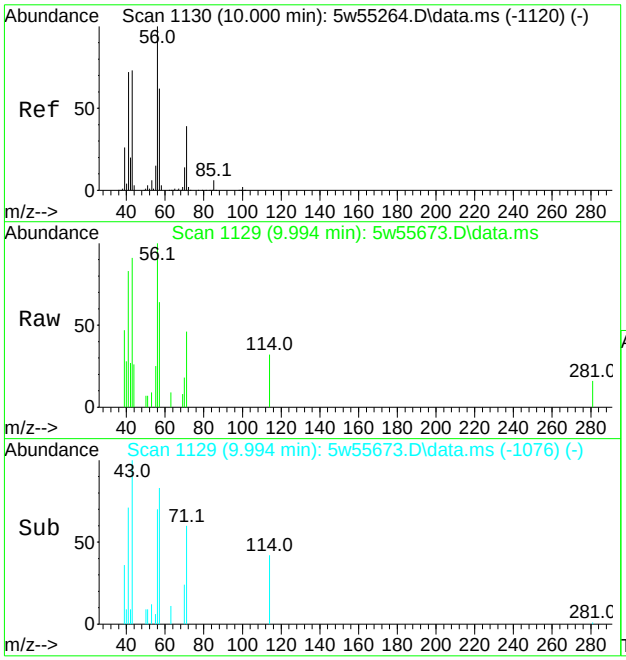


#53
CYCLOHEXANE
Concen: 0.2243 PPBV
RT: 9.700 min Scan# 1081
Delta R.T. -0.000 min
Lab File: 5w55673.D
Acq: 16 Dec 2024 8:57 pm

Tgt Ion: 84 Resp: 8506

Ion	Ratio	Lower	Upper
84	100		
69	39.7	7.0	67.0
56	142.2	86.5	146.5

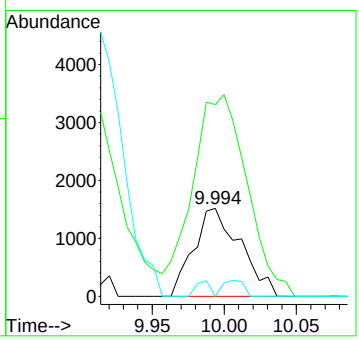


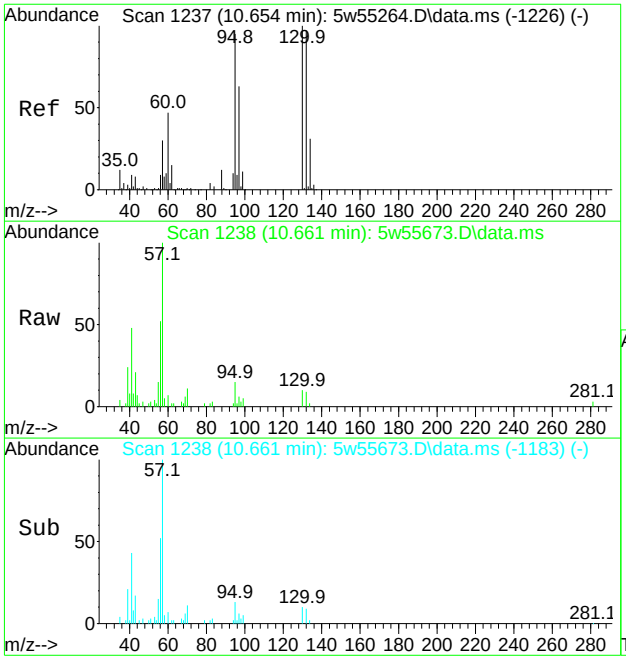


#54
2,3-DIMETHYLPENTANE
Concen: 0.1672 PPBV
RT: 9.994 min Scan# 1129
Delta R.T. -0.006 min
Lab File: 5w55673.D
Acq: 16 Dec 2024 8:57 pm

Tgt Ion: 71 Resp: 3422

Ion	Ratio	Lower	Upper
71	100		
56	267.8	235.4	295.4
85	8.2	0.0	45.3

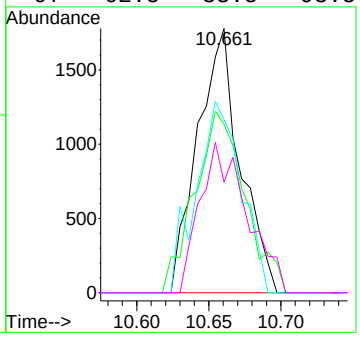


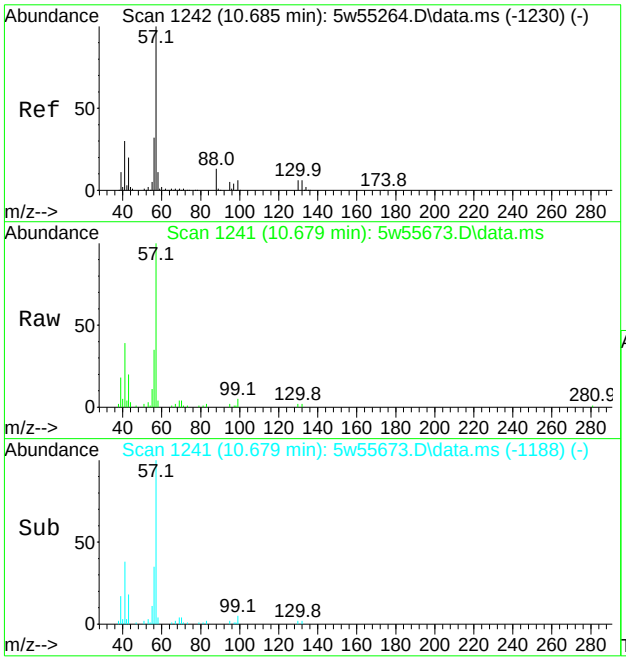


#55
TRICHLOROETHYLENE
Concen: 0.0686 PPBV
RT: 10.661 min Scan# 1238
Delta R.T. 0.006 min
Lab File: 5w55673.D
Acq: 16 Dec 2024 8:57 pm

Tgt Ion: 95 Resp: 3652

Ion	Ratio	Lower	Upper
95	100		
132	80.8	60.0	120.0
130	76.4	64.1	124.1
97	62.5	33.5	93.5

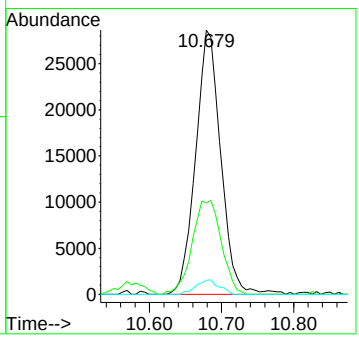


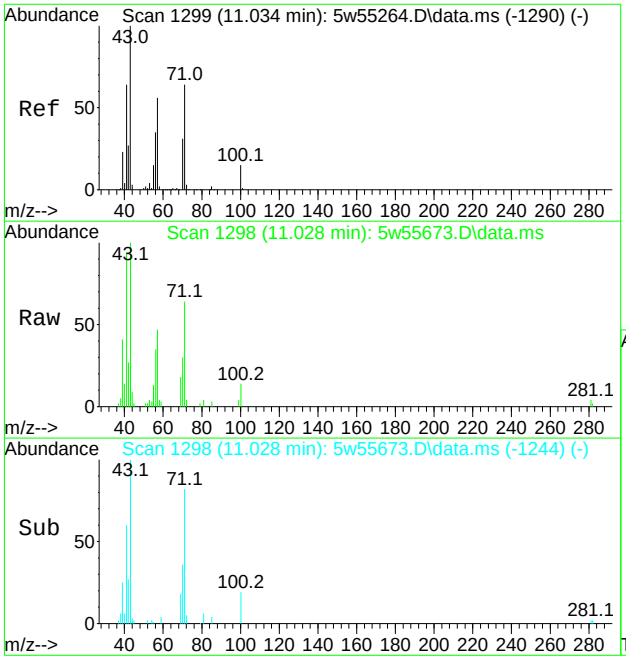


#60
2,2,4-TRIMETHYLPENTANE
Concen: 0.4520 PPBV
RT: 10.679 min Scan# 1241
Delta R.T. -0.006 min
Lab File: 5w55673.D
Acq: 16 Dec 2024 8:57 pm

Tgt Ion: 57 Resp: 69286

Ion	Ratio	Lower	Upper
57	100		
56	41.2	2.2	62.2
99	5.1	0.0	37.6

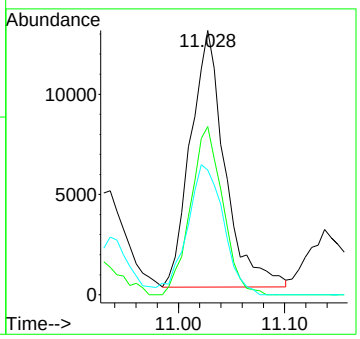


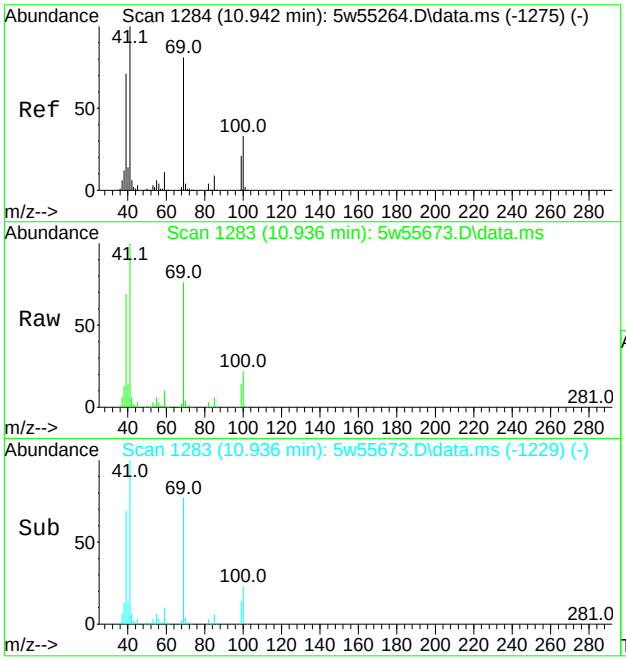


#62
HEPTANE
Concen: 0.5393 PPBV
RT: 11.028 min Scan# 1298
Delta R.T. -0.000 min
Lab File: 5w55673.D
Acq: 16 Dec 2024 8:57 pm

Tgt Ion: 43 Resp: 28874

Ion	Ratio	Lower	Upper
43	100		
71	61.0	27.2	87.2
57	53.2	22.5	82.5

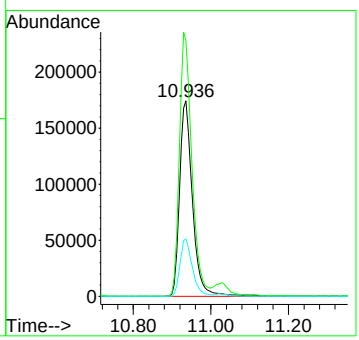


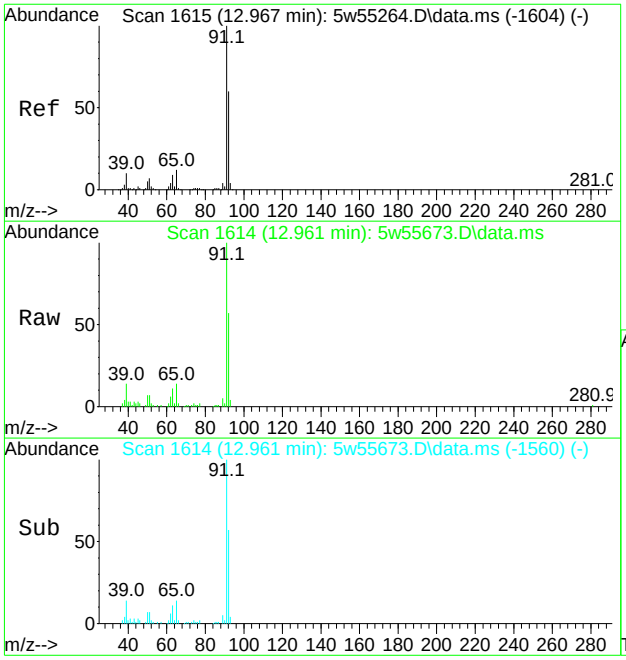


#63
METHYL METHACRYLATE
Concen: 12.1146 PPBV
RT: 10.936 min Scan# 1283
Delta R.T. -0.000 min
Lab File: 5w55673.D
Acq: 16 Dec 2024 8:57 pm

Tgt Ion: 69 Resp: 406504

Ion	Ratio	Lower	Upper
69	100		
41	130.0	97.3	157.3
100	28.1	3.0	63.0

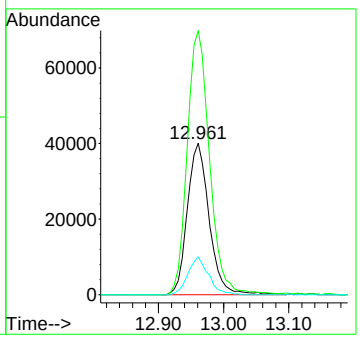


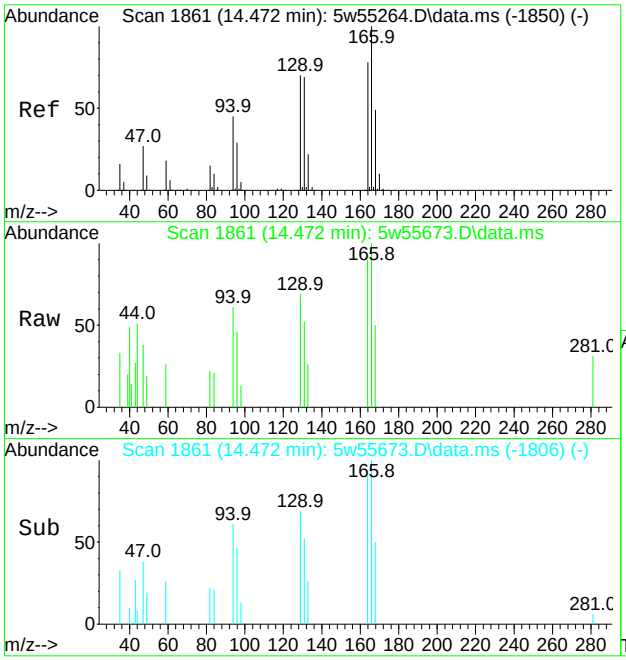


#66
TOLUENE
Concen: 1.3243 PPBV
RT: 12.961 min Scan# 1614
Delta R.T. -0.000 min
Lab File: 5w55673.D
Acq: 16 Dec 2024 8:57 pm

Tgt Ion: 92 Resp: 93494

Ion	Ratio	Lower	Upper
92	100		
91	178.1	143.4	203.4
65	23.6	0.0	53.8

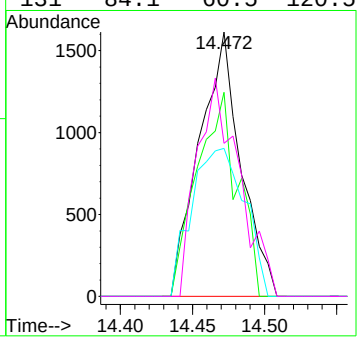


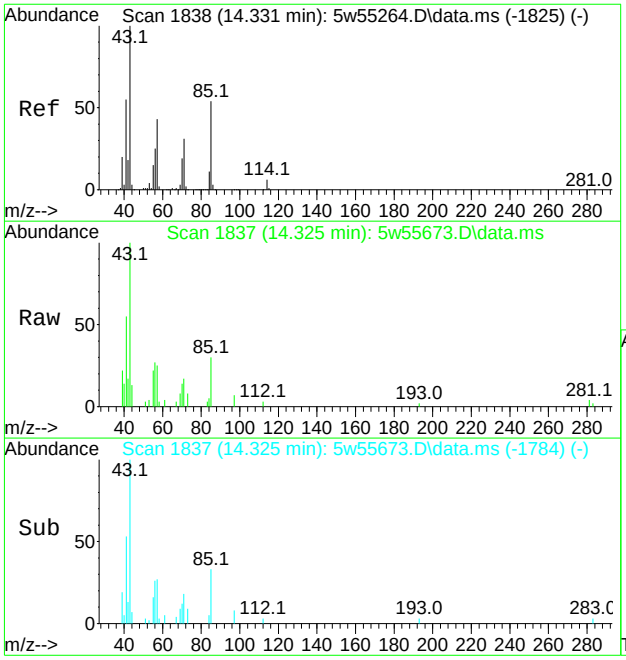


#73
TETRACHLOROETHYLENE
Concen: 0.0578 PPBV
RT: 14.472 min Scan# 1861
Delta R.T. 0.006 min
Lab File: 5w55673.D
Acq: 16 Dec 2024 8:57 pm

Tgt Ion:164 Resp: 3242

Ion	Ratio	Lower	Upper
164	100		
129	76.0	64.4	124.4
168	71.6	31.2	91.2
131	84.1	60.5	120.5

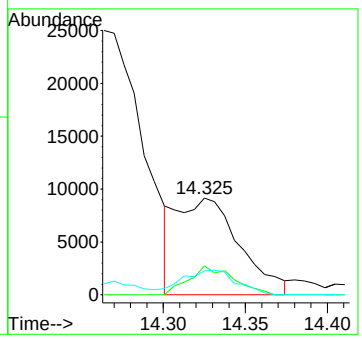


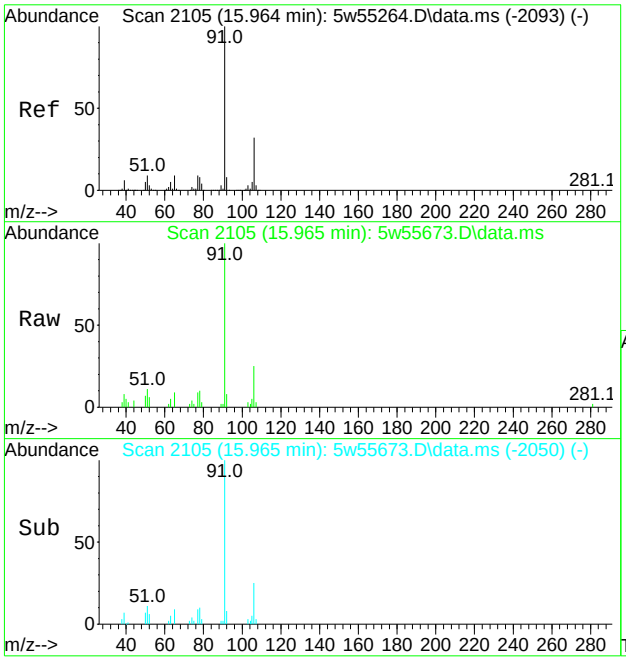


#76
OCTANE
Concen: 0.3234 PPBV m
RT: 14.325 min Scan# 1837
Delta R.T. -0.006 min
Lab File: 5w55673.D
Acq: 16 Dec 2024 8:57 pm

Tgt Ion: 43 Resp: 24399

Ion	Ratio	Lower	Upper
43	100		
85	0.0	13.7	73.7#
57	10.0	9.9	69.9

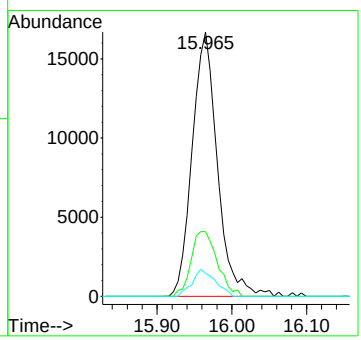


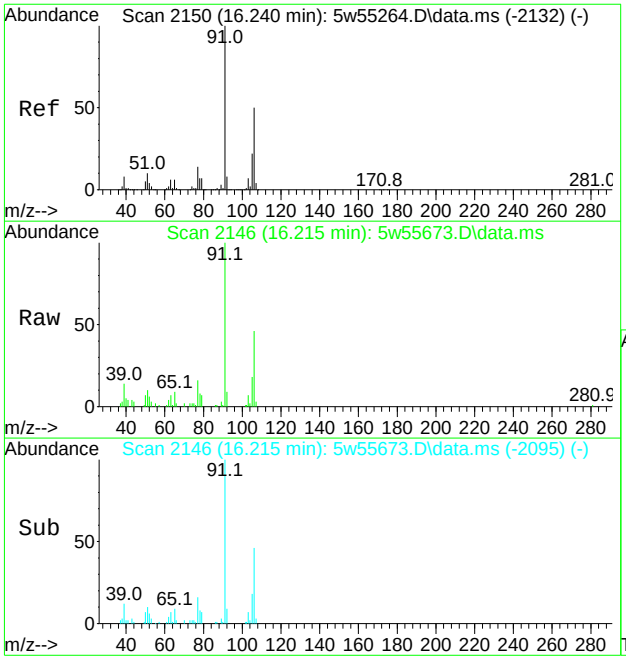


#79
ETHYLBENZENE
Concen: 0.2477 PPBV
RT: 15.965 min Scan# 2105
Delta R.T. 0.006 min
Lab File: 5w55673.D
Acq: 16 Dec 2024 8:57 pm

Tgt Ion: 91 Resp: 39230

Ion	Ratio	Lower	Upper
91	100		
106	25.4	0.0	59.9
77	9.4	0.0	39.1

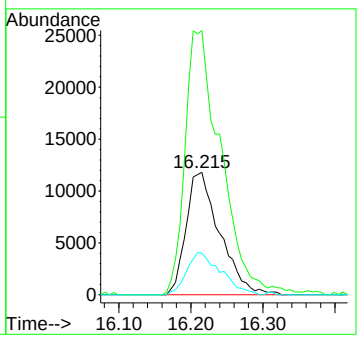


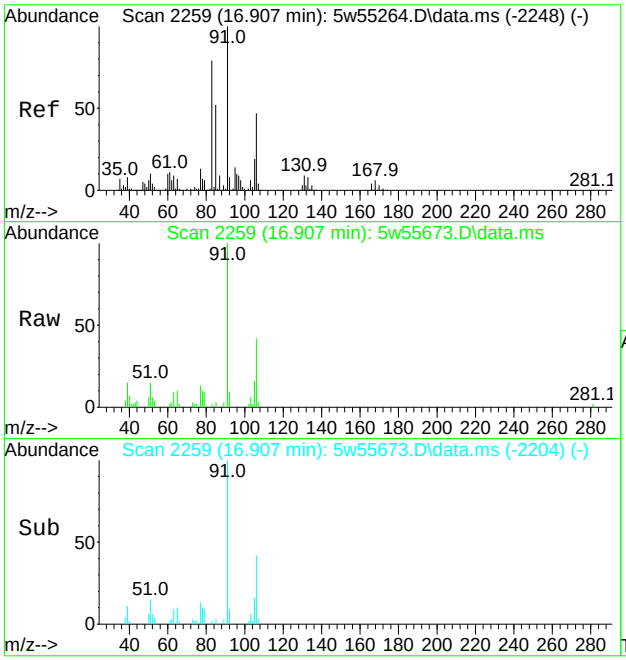


#80
m,p-XYLENE
Concen: 0.6392 PPBV
RT: 16.215 min Scan# 2146
Delta R.T. -0.018 min
Lab File: 5w55673.D
Acq: 16 Dec 2024 8:57 pm

Tgt Ion:106 Resp: 38407

Ion	Ratio	Lower	Upper
106	100		
91	215.7	181.2	241.2
77	33.8	0.1	60.1

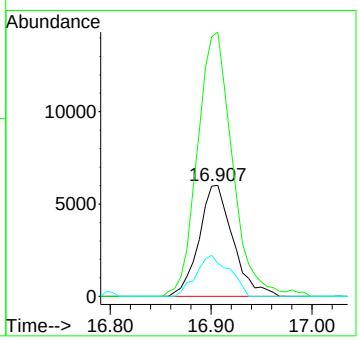


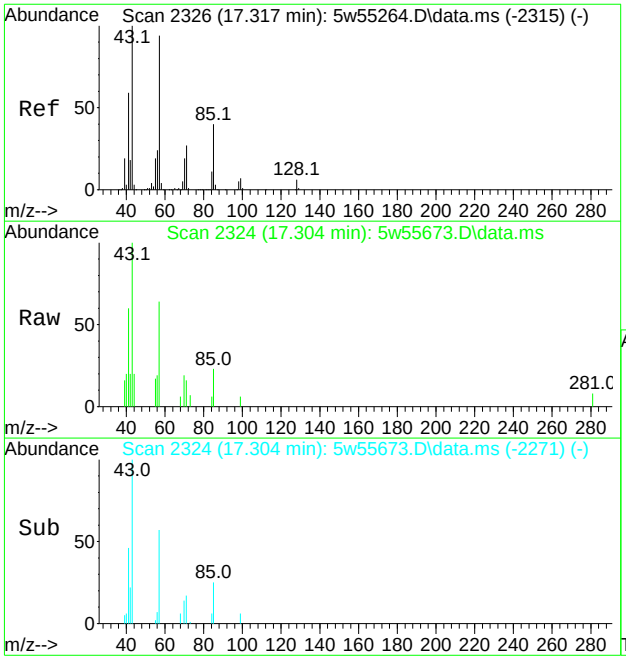


#81
o-XYLENE
Concen: 0.2419 PPBV
RT: 16.907 min Scan# 2259
Delta R.T. 0.006 min
Lab File: 5w55673.D
Acq: 16 Dec 2024 8:57 pm

Tgt Ion:106 Resp: 14108

Ion	Ratio	Lower	Upper
106	100		
91	245.3	193.4	253.4
77	36.6	0.0	59.8

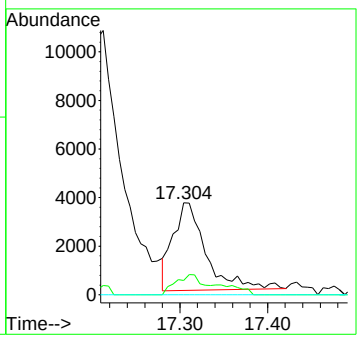


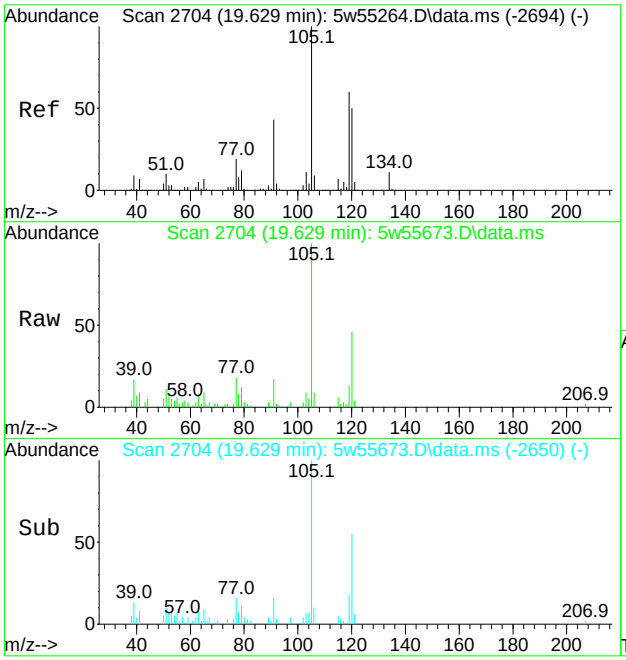


#83
NONANE
Concen: 0.1188 PPBV
RT: 17.304 min Scan# 2324
Delta R.T. -0.006 min
Lab File: 5w55673.D
Acq: 16 Dec 2024 8:57 pm

Tgt Ion: 43 Resp: 9357

Ion	Ratio	Lower	Upper
43	100		
71	28.2	0.0	53.8
128	0.0	0.0	34.3

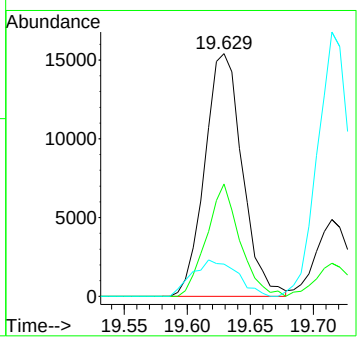


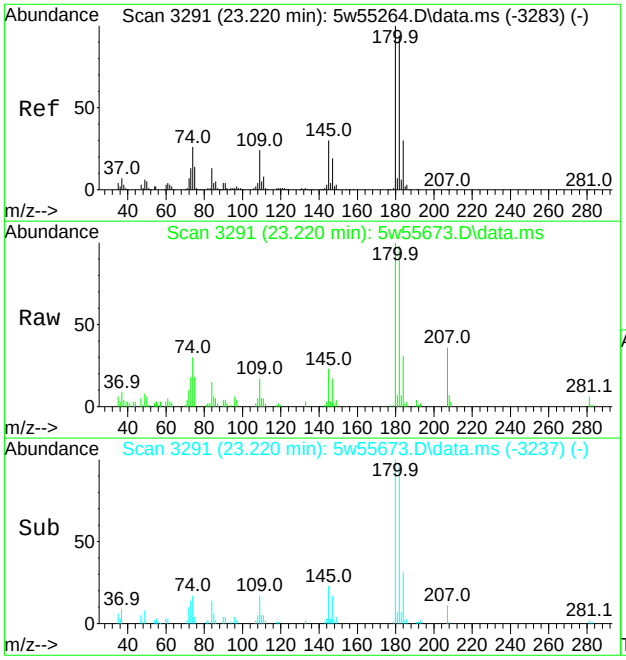


#96
1,2,4-TRIMETHYLBENZENE
Concen: 0.2134 PPBV
RT: 19.629 min Scan# 2704
Delta R.T. -0.000 min
Lab File: 5w55673.D
Acq: 16 Dec 2024 8:57 pm

Tgt Ion:105 Resp: 31869

Ion	Ratio	Lower	Upper
105	100		
120	40.9	22.6	82.6
119	18.0	69.7	129.7#

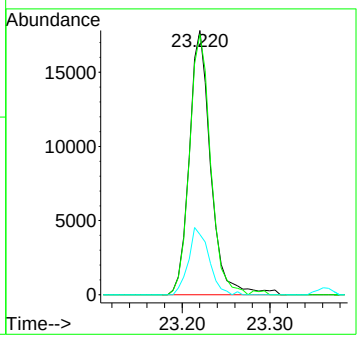


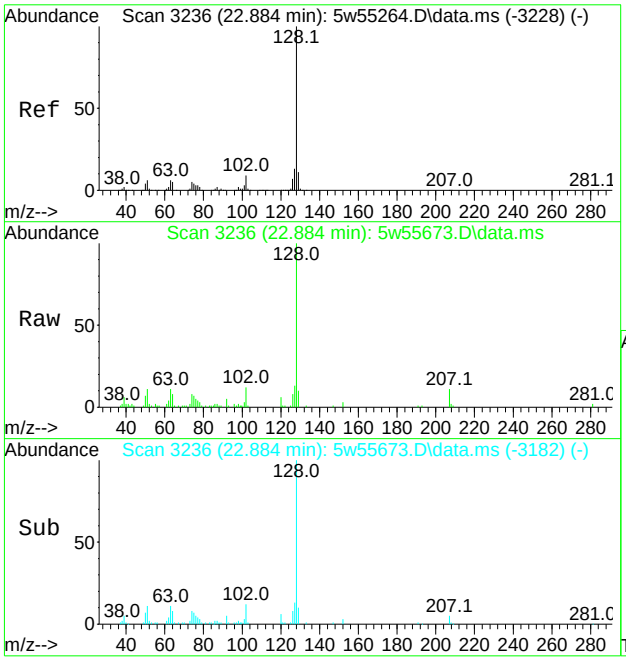


#107
1,2,4-TRICHLOROBENZENE
Concen: 0.3181 PPBV
RT: 23.220 min Scan# 3291
Delta R.T. 0.000 min
Lab File: 5w55673.D
Acq: 16 Dec 2024 8:57 pm

Tgt Ion:180 Resp: 30260

Ion	Ratio	Lower	Upper
180	100		
182	97.2	66.4	126.4
145	24.4	0.2	60.2

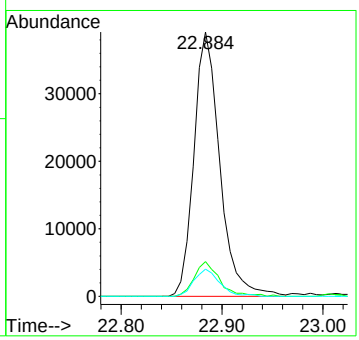




#108
NAPHTHALENE
Concen: 0.3348 PPBV
RT: 22.884 min Scan# 3236
Delta R.T. -0.000 min
Lab File: 5w55673.D
Acq: 16 Dec 2024 8:57 pm

Tgt Ion:128 Resp: 69916

Ion	Ratio	Lower	Upper
128	100		
127	12.9	0.0	43.1
129	10.3	0.0	41.1



Manual Integration Approval Summary

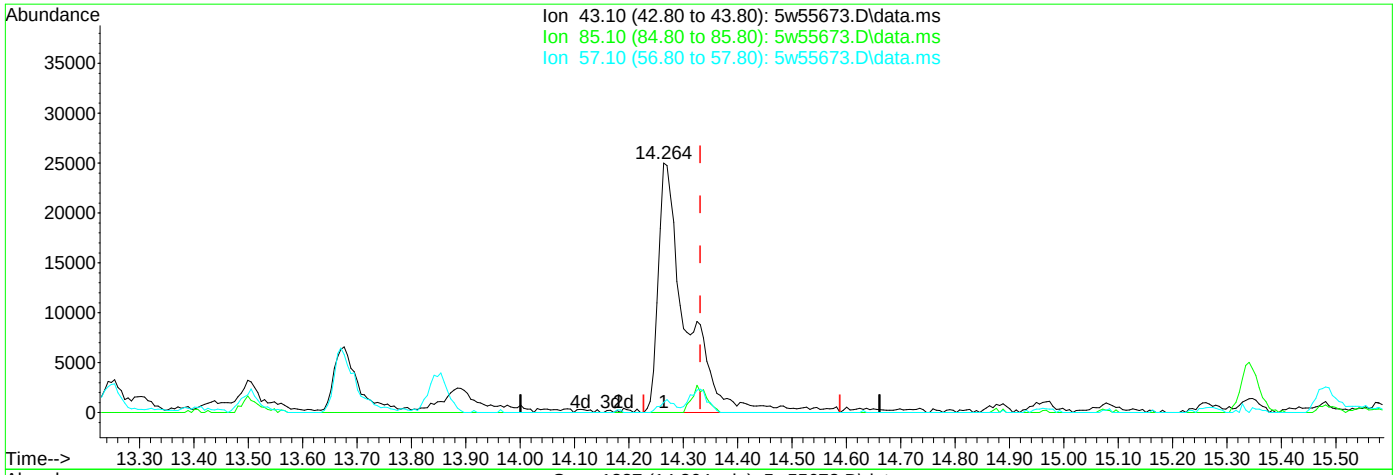
Sample Number:	JE2487-2	**Method:**	TO-15
Lab FileID:	5W55673.D	**Analyst approved:**	12/17/24 19:19 Kristel Valladolid
Injection Time:	12/16/24 20:57	**Supervisor approved:**	12/18/24 22:00 Kanya Veerawat

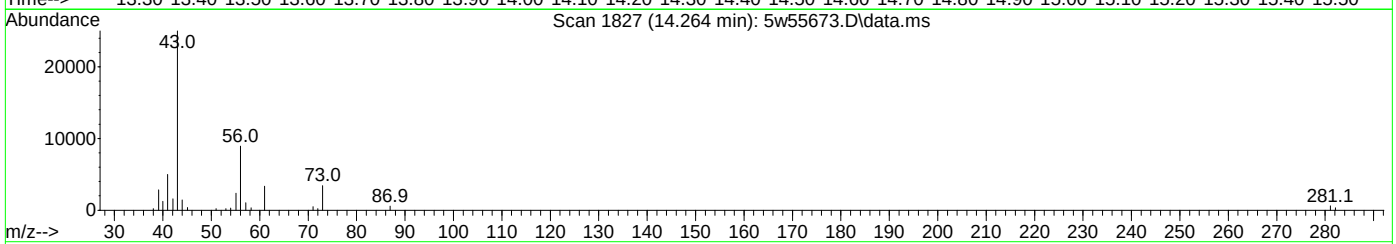
Parameter	CAS	Sig#	R.T. (min.)	Reason
Octane	111-65-9		14.33	Overlapping peak

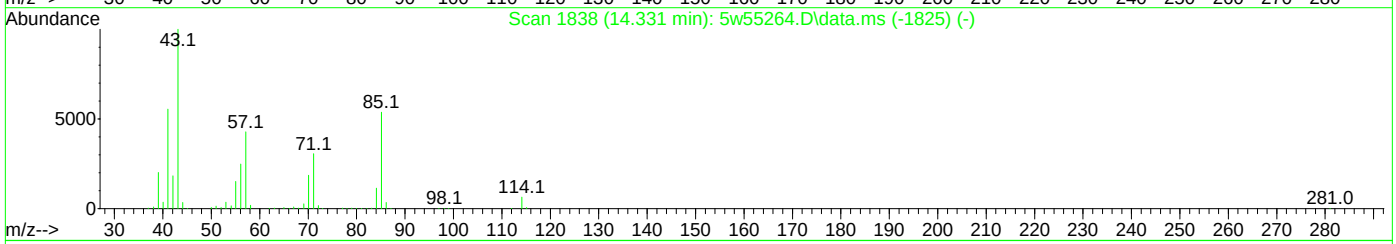
Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\luckyc\17 December 2024\v5w2132\
Data File : 5w55673.D
Acq On : 16 Dec 2024 8:57 pm
Operator : thomash
Sample : scc(a343),cp12944 Inst : GCMS5W
Misc : MS87926,V5W2132,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 17 11:44:57 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration







TIC: 5w55673.D\data.ms

(76) OCTANE

14.264min (-0.067) 1.20PPBV

response 90212

Ion	Exp%	Act%
43.10	100	100
85.10	43.70	0.00#
57.10	39.90	2.71#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\121924\v5w2133\
Data File : 5w55724.D
Acq On : 18 Dec 2024 2:59 pm
Operator : thomash
Sample : je2487-2 Inst : GCMS5W
Misc : MS88104,V5W2133,100,,,,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 19 00:26:27 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

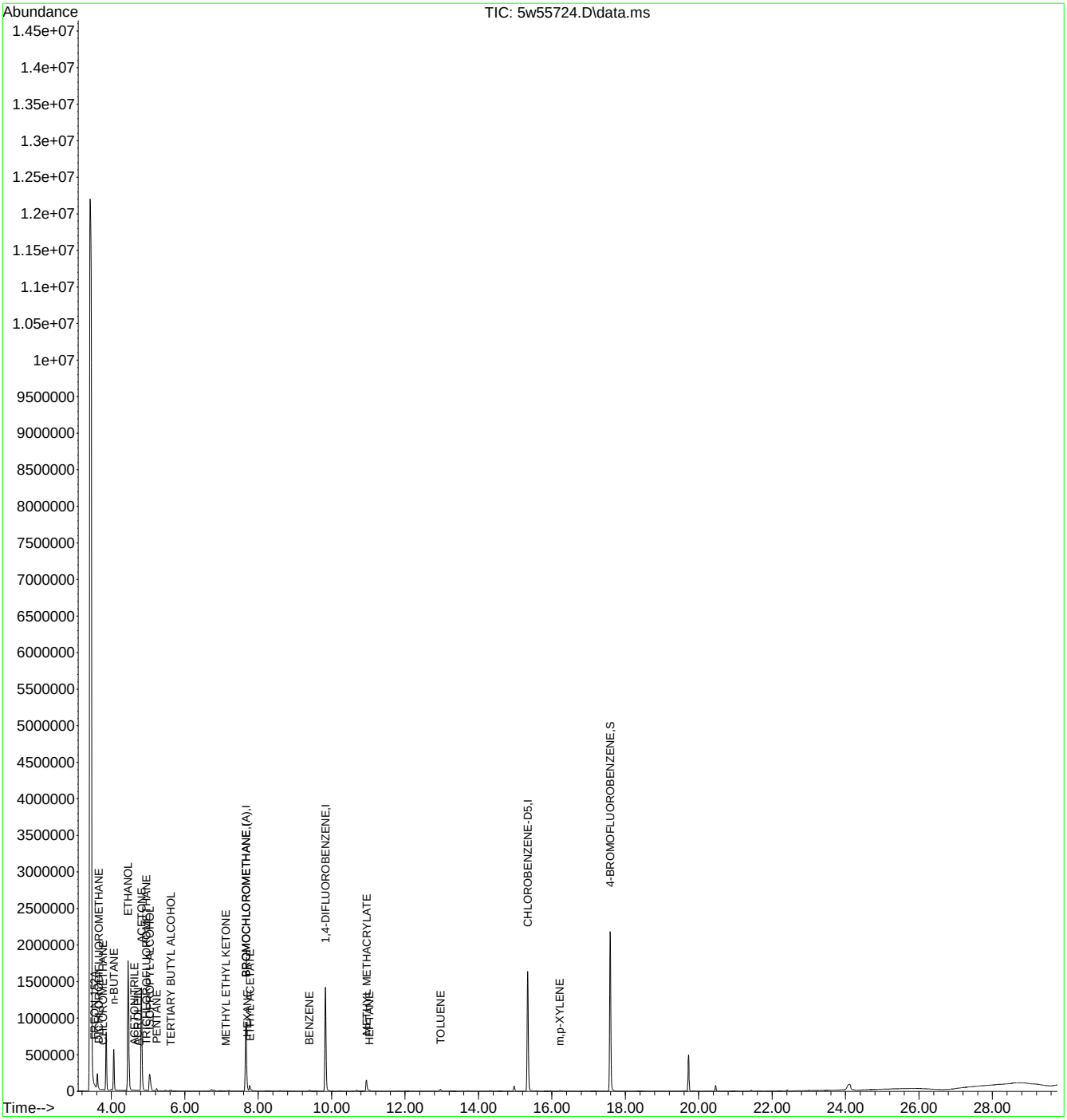
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	7.663	128	245099	10.00	PPBV	# 0.00
51) 1,4-DIFLUOROBENZENE	9.829	114	1200195	10.00	PPBV	0.00
70) CHLOROBENZENE-D5	15.341	82	651740	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	7.663	128	245099	10.00	PPBV	# 0.00
System Monitoring Compounds						
85) 4-BROMOFLUOROBENZENE	17.586	95	799365	10.96	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 109.60%			
Target Compounds						Qvalue
3) FREON 152A	3.540	65	3788	0.2089	PPBV	# 43
6) DICHLORODIFLUOROMETHANE	3.656	85	12089	0.1350	PPBV	99
10) CHLOROMETHANE	3.772	52	1726	0.1494	PPBV	# 50
13) n-BUTANE	4.066	43	477495	9.1191	PPBV	99
17) ACETONITRILE	4.622	41	5053	0.1671	PPBV	# 89
18) ACROLEIN	4.714	56	2563	0.1941	PPBV	# 60
21) TRICHLOROFLUOROMETHANE	4.947	101	8326	0.1006	PPBV	95
22) ISOPROPYL ALCOHOL	5.044	45	423278	8.0709	PPBV	95
23) ACETONE	4.818	58	482987	24.4326	PPBV	# 78
24) PENTANE	5.234	42	14749	0.5661	PPBV	96
28) ETHANOL	4.457	45	2337853	121.6303	PPBV	99
35) TERTIARY BUTYL ALCOHOL	5.620	59	11638	0.2359	PPBV	54
38) HEXANE	7.700	57	9357	0.2437	PPBV	83
41) METHYL ETHYL KETONE	7.112	72	1789	0.1683	PPBV	# 79
44) ETHYL ACETATE	7.773	61	14802	1.8873	PPBV	# 72
52) BENZENE	9.394	78	16019	0.1841	PPBV	98
62) HEPTANE	11.028	43	5764	0.1249	PPBV	90
63) METHYL METHACRYLATE	10.948	69	74272	2.5682	PPBV	81
66) TOLUENE	12.967	92	14009	0.2302	PPBV	95
80) m,p-XYLENE	16.209	106	5033	0.1104	PPBV	91

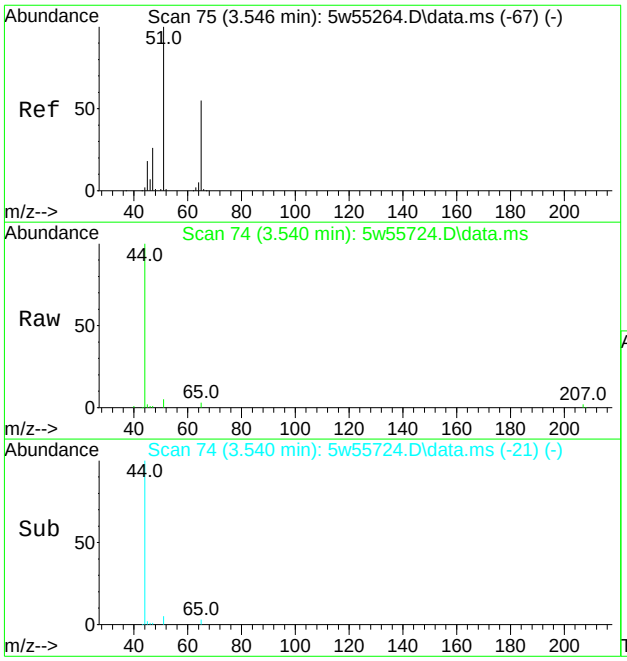
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\121924\v5w2133\
Data File : 5w55724.D
Acq On : 18 Dec 2024 2:59 pm
Operator : thomash
Sample : je2487-2 Inst : GCMS5W
Misc : MS88104,V5W2133,100,,,,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 19 00:26:27 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

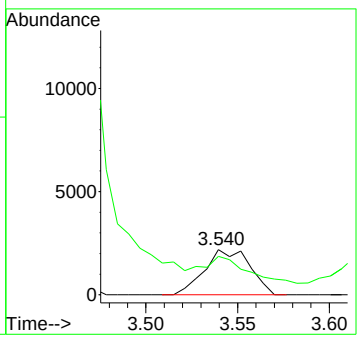


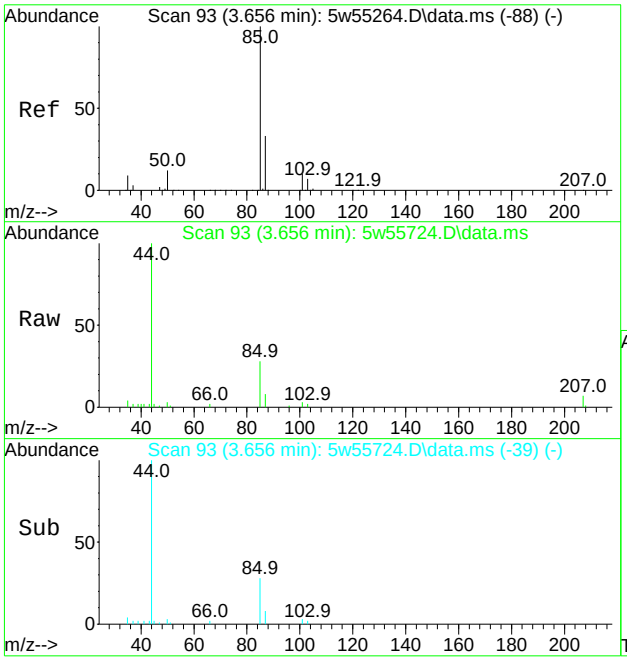


#3
FREON 152A
Concen: 0.2089 PPBV
RT: 3.540 min Scan# 74
Delta R.T. -0.006 min
Lab File: 5w55724.D
Acq: 18 Dec 2024 2:59 pm

Tgt Ion: 65 Resp: 3788

Ion	Ratio	Lower	Upper
65	100		
45	0.0	1.8	61.8#

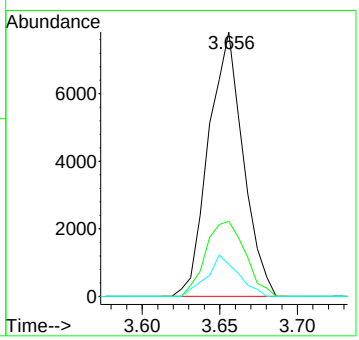


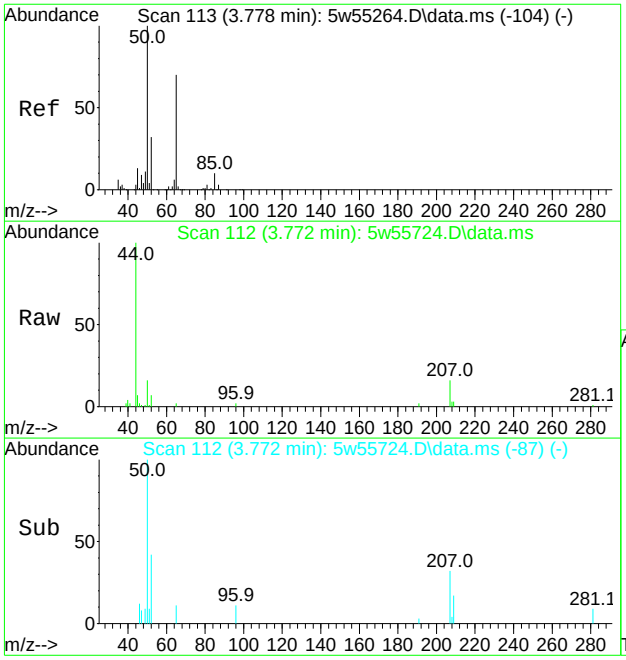


#6
DICHLORODIFLUOROMETHANE
Concen: 0.1350 PPBV
RT: 3.656 min Scan# 93
Delta R.T. -0.000 min
Lab File: 5w55724.D
Acq: 18 Dec 2024 2:59 pm

Tgt Ion: 85 Resp: 12089

Ion	Ratio	Lower	Upper
85	100		
87	32.5	2.6	62.6
50	14.2	0.0	43.0

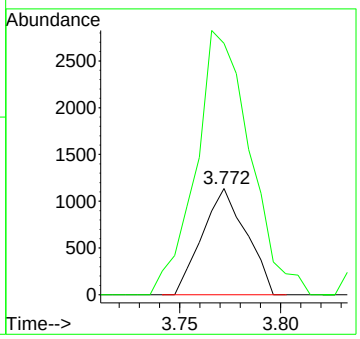


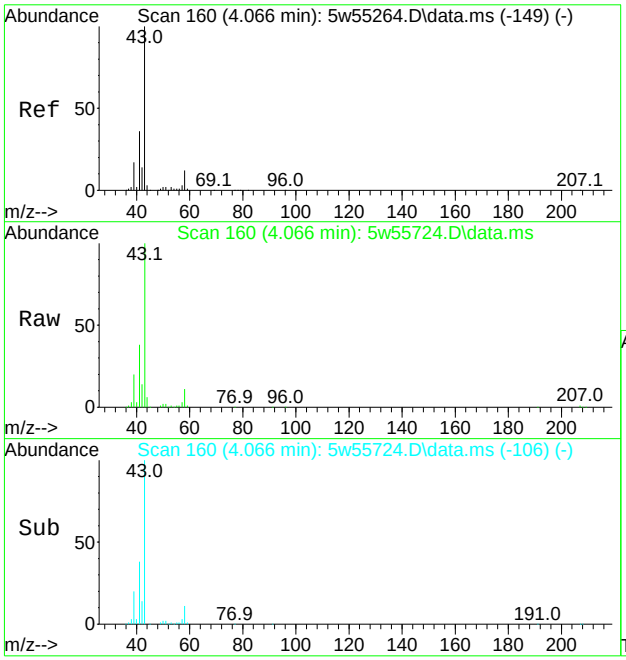


#10
CHLOROMETHANE
Concen: 0.1494 PPBV
RT: 3.772 min Scan# 112
Delta R.T. -0.000 min
Lab File: 5w55724.D
Acq: 18 Dec 2024 2:59 pm

Tgt Ion: 52 Resp: 1726

Ion	Ratio	Lower	Upper
52	100		
50	215.8	287.9	347.9#

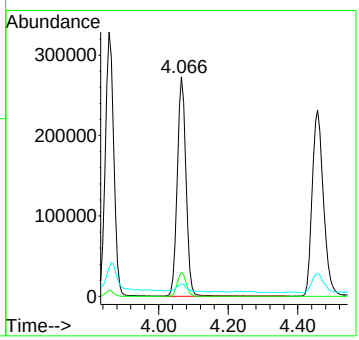


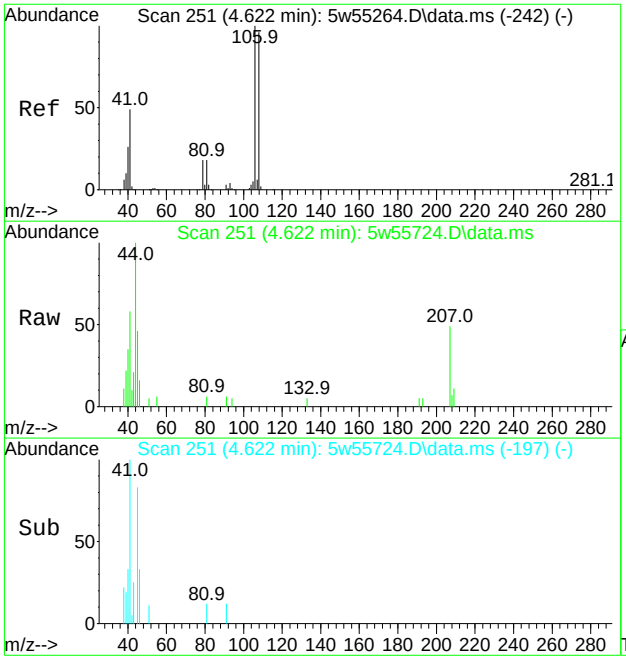


#13
n-BUTANE
Concen: 9.1191 PPBV
RT: 4.066 min Scan# 160
Delta R.T. -0.000 min
Lab File: 5w55724.D
Acq: 18 Dec 2024 2:59 pm

Tgt Ion: 43 Resp: 477495

Ion	Ratio	Lower	Upper
43	100		
58	11.0	0.0	41.6
44	4.9	0.0	34.7

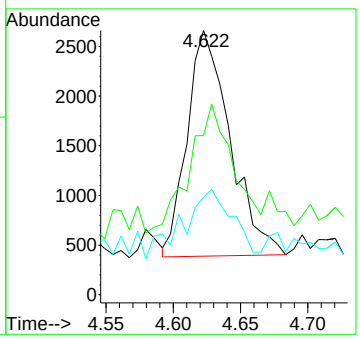


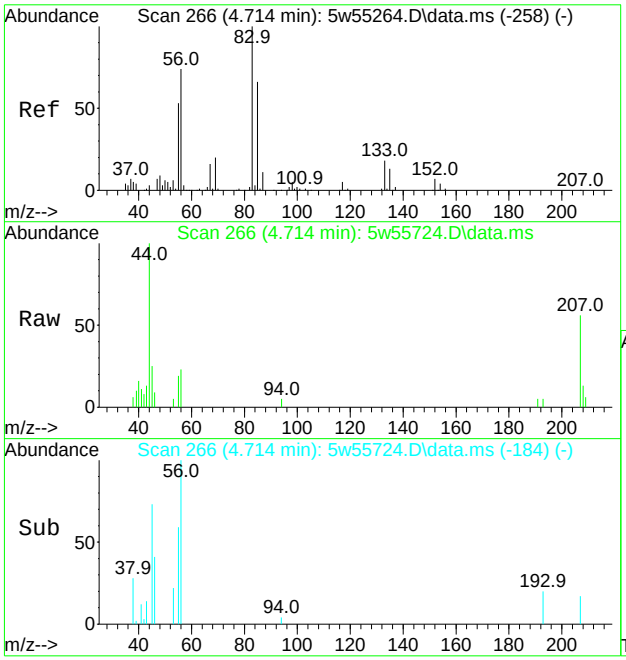


#17
ACETONITRILE
Concen: 0.1671 PPBV
RT: 4.622 min Scan# 251
Delta R.T. -0.000 min
Lab File: 5w55724.D
Acq: 18 Dec 2024 2:59 pm

Tgt Ion: 41 Resp: 5053

Ion	Ratio	Lower	Upper
41	100		
40	58.8	38.4	71.4
39	31.1	13.7	25.5#

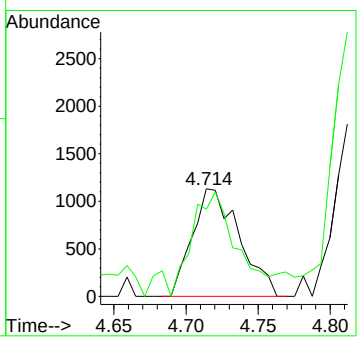


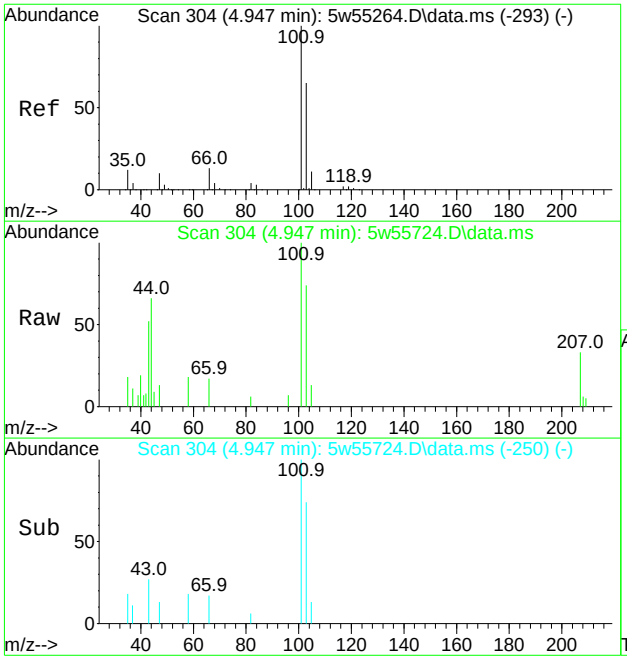


#18
ACROLEIN
Concen: 0.1941 PPBV
RT: 4.714 min Scan# 266
Delta R.T. -0.000 min
Lab File: 5w55724.D
Acq: 18 Dec 2024 2:59 pm

Tgt Ion: 56 Resp: 2563

Ion	Ratio	Lower	Upper
56	100		
55	104.6	49.8	92.6#

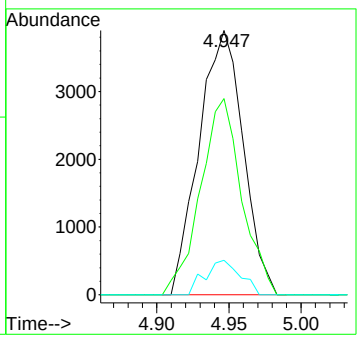


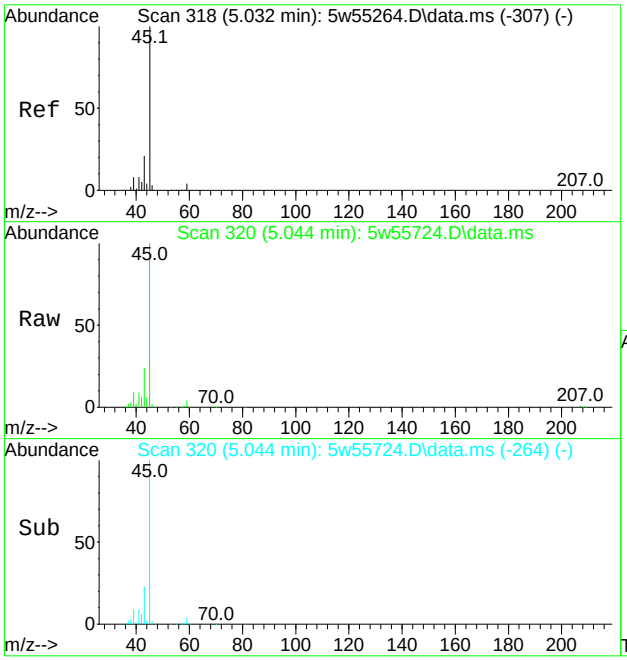


#21
TRICHLOROFLUOROMETHANE
Concen: 0.1006 PPBV
RT: 4.947 min Scan# 304
Delta R.T. -0.000 min
Lab File: 5w55724.D
Acq: 18 Dec 2024 2:59 pm

Tgt Ion:101 Resp: 8326

Ion	Ratio	Lower	Upper
101	100		
103	69.0	34.7	94.7
105	10.4	0.0	40.5

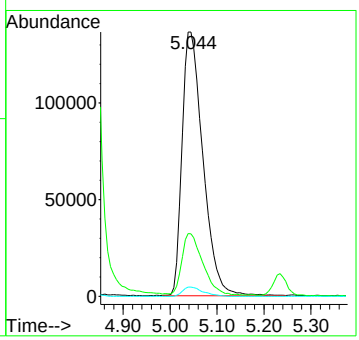


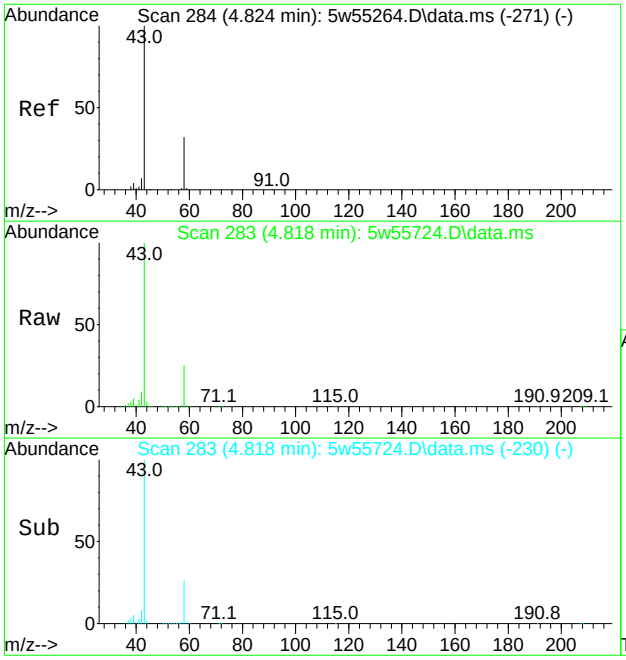


#22
ISOPROPYL ALCOHOL
Concen: 8.0709 PPBV
RT: 5.044 min Scan# 320
Delta R.T. 0.012 min
Lab File: 5w55724.D
Acq: 18 Dec 2024 2:59 pm

Tgt Ion: 45 Resp: 423278

Ion	Ratio	Lower	Upper
45	100		
43	23.7	0.0	50.8
59	3.6	0.0	33.8

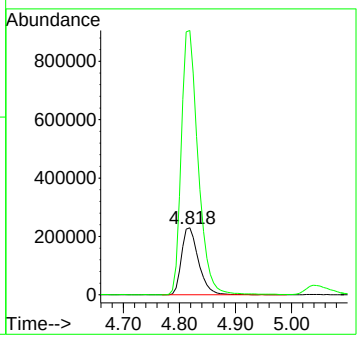


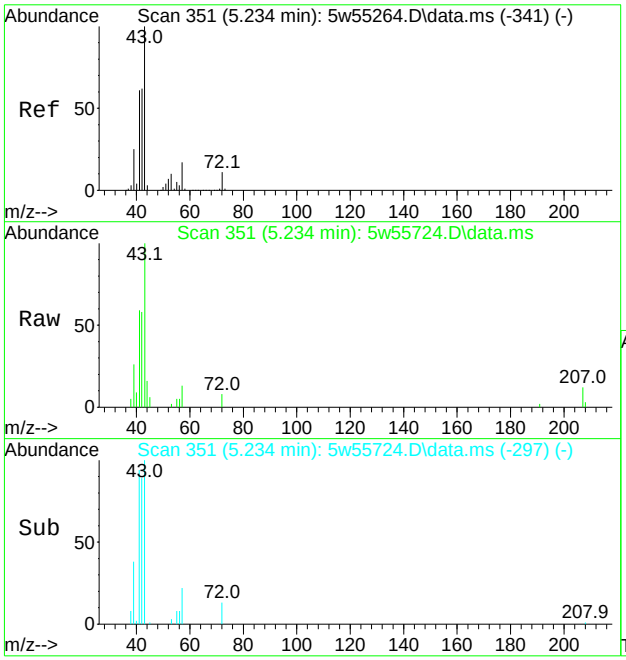


#23
ACETONE
Concen: 24.4326 PPBV
RT: 4.818 min Scan# 283
Delta R.T. -0.006 min
Lab File: 5w55724.D
Acq: 18 Dec 2024 2:59 pm

Tgt Ion: 58 Resp: 482987

Ion	Ratio	Lower	Upper
58	100		
43	390.2	312.3	372.3#

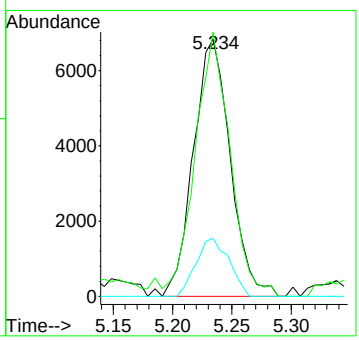


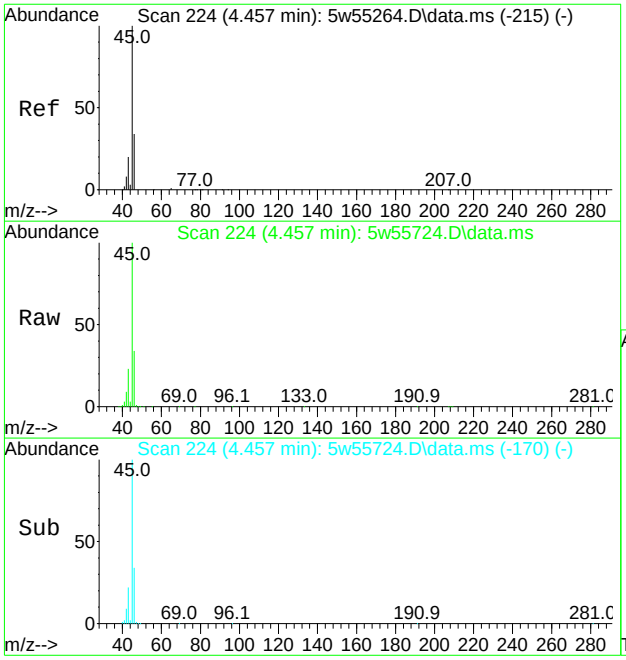


#24
PENTANE
Concen: 0.5661 PPBV
RT: 5.234 min Scan# 351
Delta R.T. -0.000 min
Lab File: 5w55724.D
Acq: 18 Dec 2024 2:59 pm

Tgt Ion: 42 Resp: 14749

Ion	Ratio	Lower	Upper
42	100		
41	97.3	64.4	124.4
57	20.2	0.0	55.0

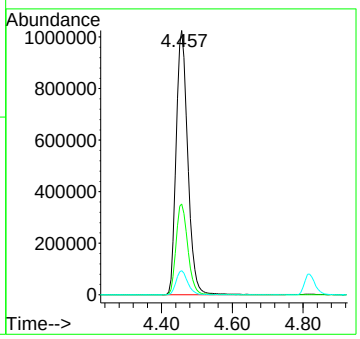


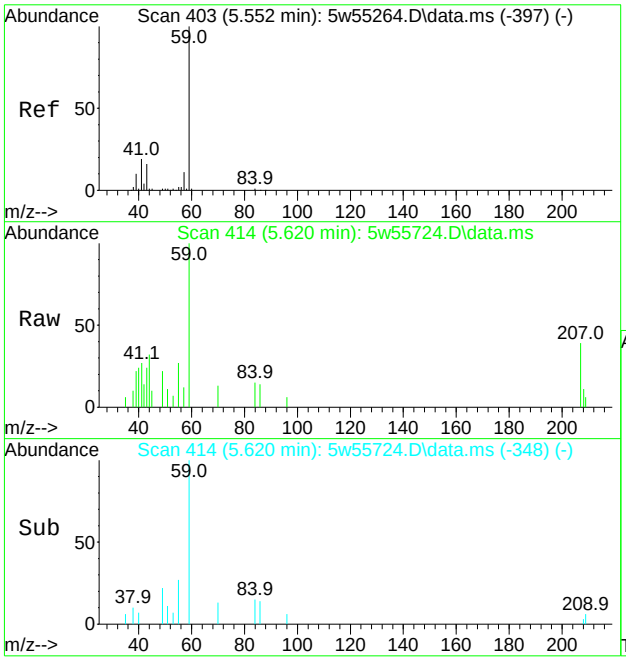


#28
ETHANOL
Concen: 121.6303 PPBV
RT: 4.457 min Scan# 224
Delta R.T. -0.000 min
Lab File: 5w55724.D
Acq: 18 Dec 2024 2:59 pm

Tgt Ion: 45 Resp: 2337853

Ion	Ratio	Lower	Upper
45	100		
46	34.8	4.5	64.5
42	9.1	0.0	38.6

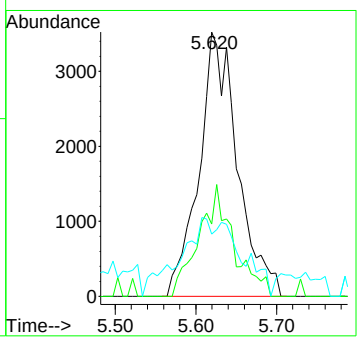


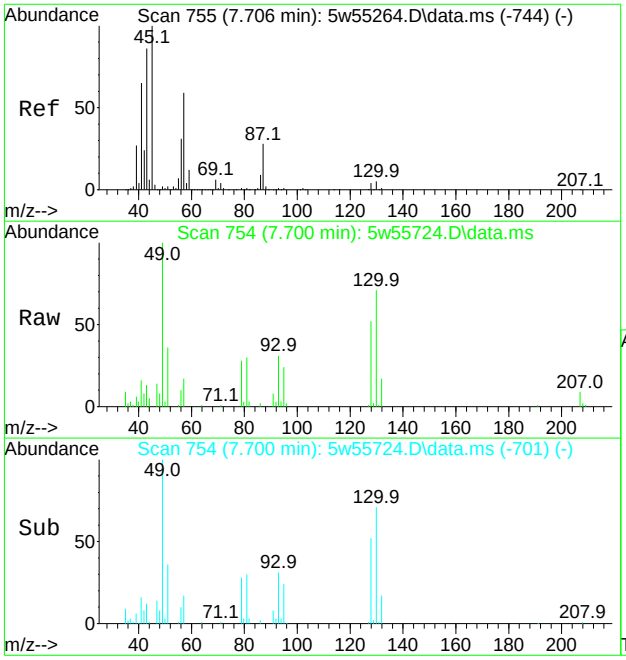


#35
TERTIARY BUTYL ALCOHOL
Concen: 0.2359 PPBV
RT: 5.620 min Scan# 414
Delta R.T. 0.073 min
Lab File: 5w55724.D
Acq: 18 Dec 2024 2:59 pm

Tgt Ion: 59 Resp: 11638

Ion	Ratio	Lower	Upper
59	100		
41	38.1	0.0	53.1
43	46.2	0.0	47.1

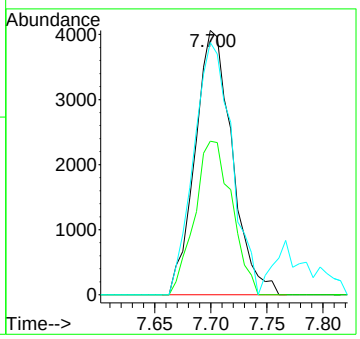


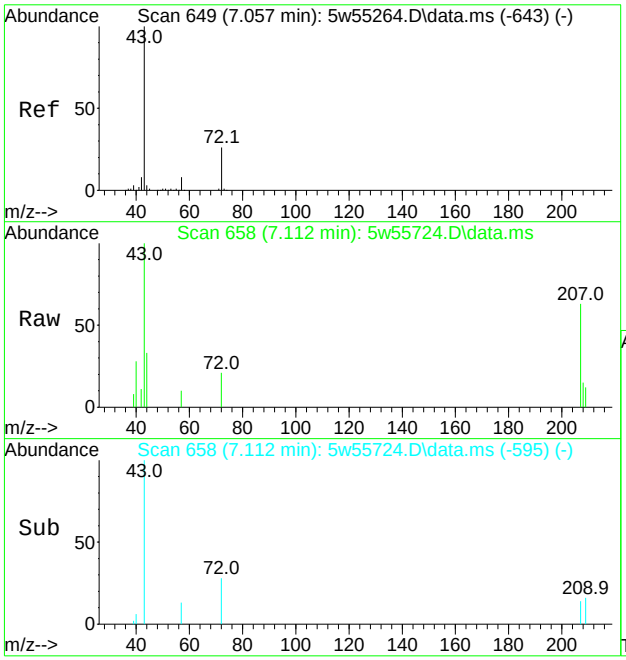


#38
HEXANE
Concen: 0.2437 PPBV
RT: 7.700 min Scan# 754
Delta R.T. -0.006 min
Lab File: 5w55724.D
Acq: 18 Dec 2024 2:59 pm

Tgt Ion: 57 Resp: 9357

Ion	Ratio	Lower	Upper
57	100		
56	58.3	24.2	84.2
41	97.6	92.1	152.1

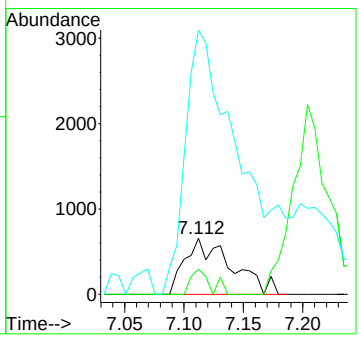


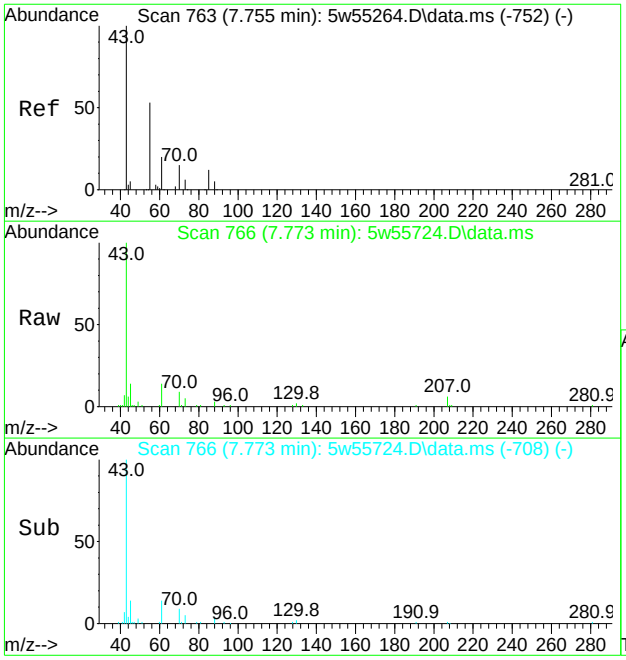


#41
METHYL ETHYL KETONE
Concen: 0.1683 PPBV
RT: 7.112 min Scan# 658
Delta R.T. 0.055 min
Lab File: 5w55724.D
Acq: 18 Dec 2024 2:59 pm

Tgt Ion: 72 Resp: 1789

Ion	Ratio	Lower	Upper
72	100		
57	45.0	1.1	61.1
43	470.8	390.6	450.6#

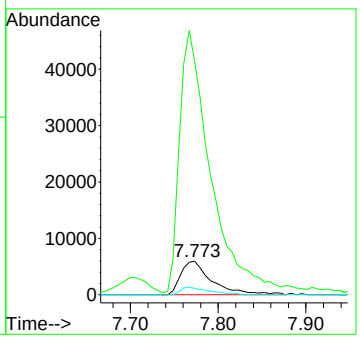


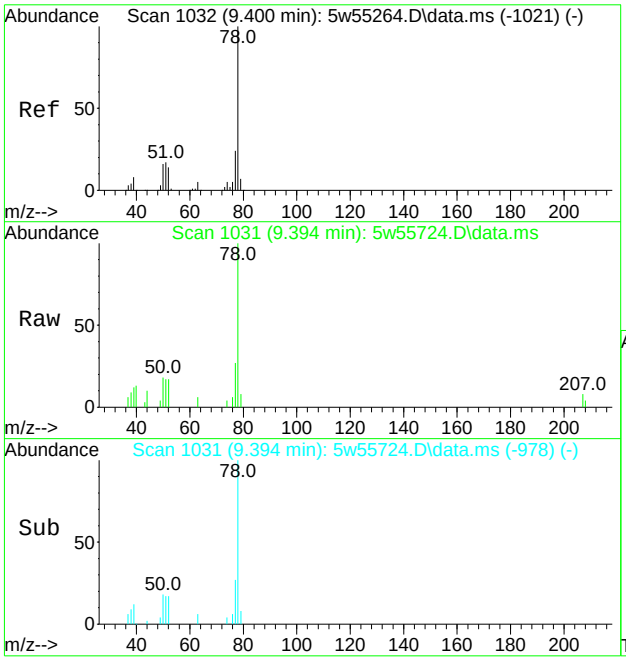


#44
ETHYL ACETATE
Concen: 1.8873 PPBV
RT: 7.773 min Scan# 766
Delta R.T. 0.024 min
Lab File: 5w55724.D
Acq: 18 Dec 2024 2:59 pm

Tgt Ion: 61 Resp: 14802

Ion	Ratio	Lower	Upper
61	100		
43	796.8	0.0	30.0#
88	20.7	7.3	67.3

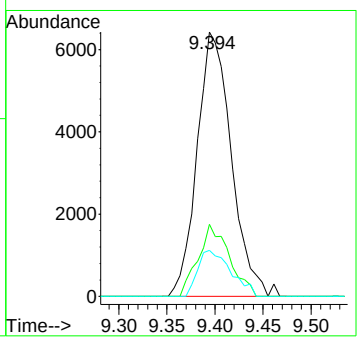


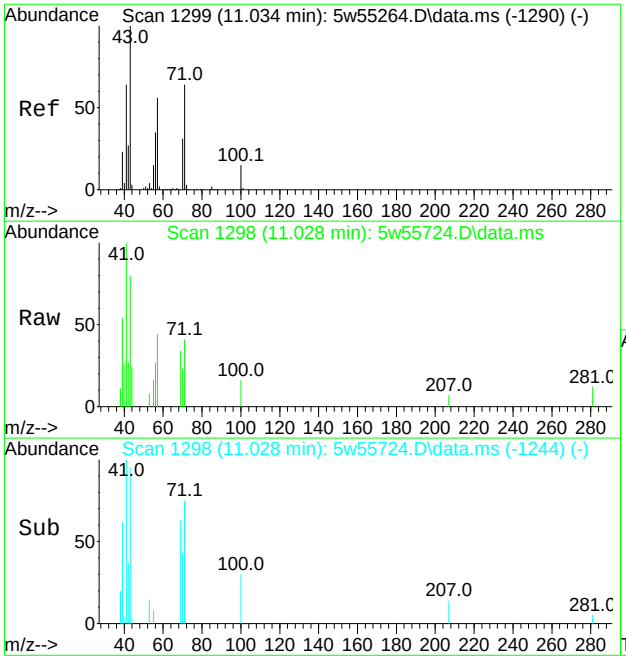


#52
BENZENE
Concen: 0.1841 PPBV
RT: 9.394 min Scan# 1031
Delta R.T. -0.006 min
Lab File: 5w55724.D
Acq: 18 Dec 2024 2:59 pm

Tgt Ion: 78 Resp: 16019

Ion	Ratio	Lower	Upper
78	100		
77	24.8	0.0	54.0
52	16.7	0.0	45.6

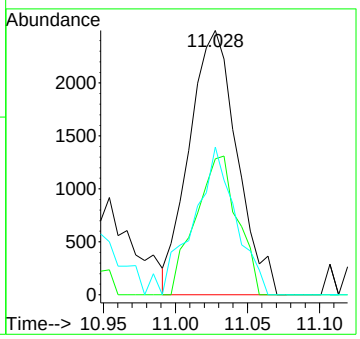


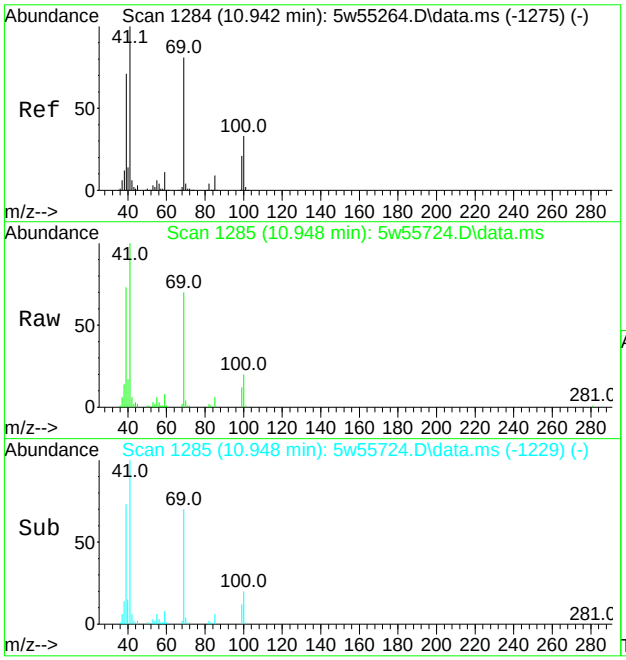


#62
HEPTANE
Concen: 0.1249 PPBV
RT: 11.028 min Scan# 1298
Delta R.T. -0.000 min
Lab File: 5w55724.D
Acq: 18 Dec 2024 2:59 pm

Tgt Ion: 43 Resp: 5764

Ion	Ratio	Lower	Upper
43	100		
71	46.1	27.2	87.2
57	48.7	22.5	82.5

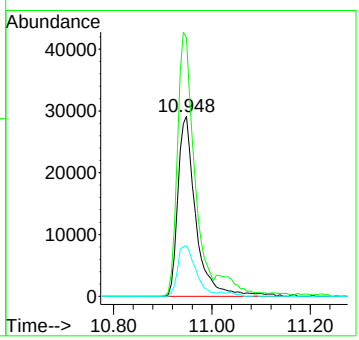


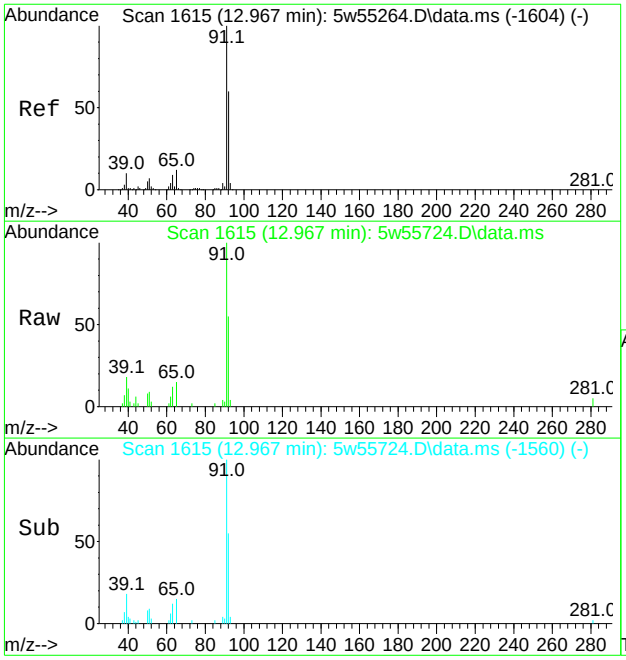


#63
METHYL METHACRYLATE
Concen: 2.5682 PPBV
RT: 10.948 min Scan# 1285
Delta R.T. 0.012 min
Lab File: 5w55724.D
Acq: 18 Dec 2024 2:59 pm

Tgt Ion: 69 Resp: 74272

Ion	Ratio	Lower	Upper
69	100		
41	153.4	97.3	157.3
100	30.5	3.0	63.0

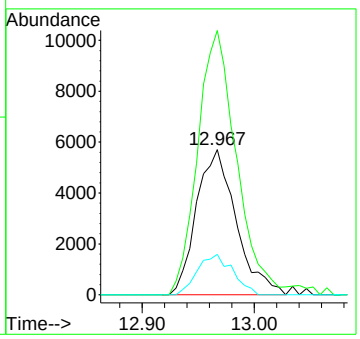


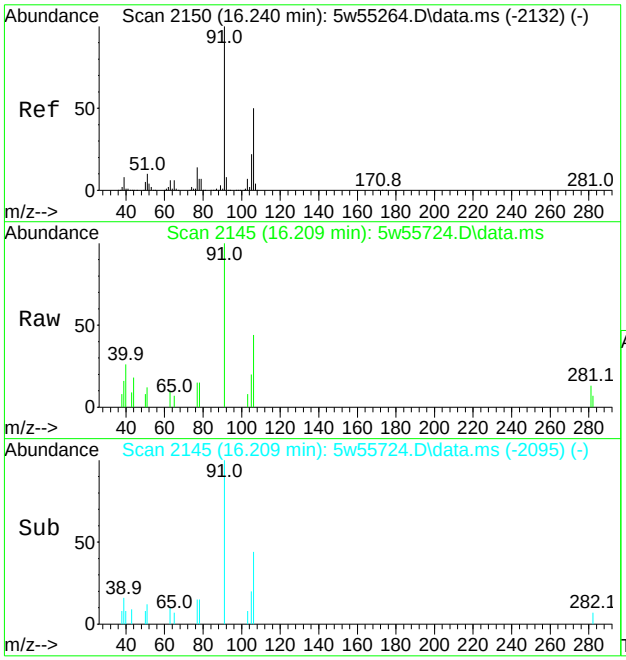


#66
TOLUENE
Concen: 0.2302 PPBV
RT: 12.967 min Scan# 1615
Delta R.T. 0.006 min
Lab File: 5w55724.D
Acq: 18 Dec 2024 2:59 pm

Tgt Ion: 92 Resp: 14009

Ion	Ratio	Lower	Upper
92	100		
91	181.5	143.4	203.4
65	24.7	0.0	53.8

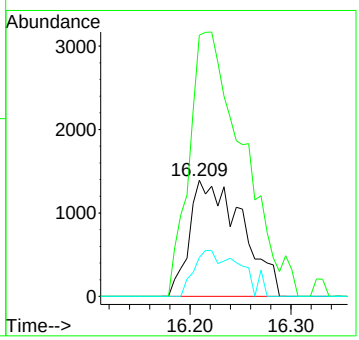




#80
m,p-XYLENE
Concen: 0.1104 PPBV
RT: 16.209 min Scan# 2145
Delta R.T. -0.025 min
Lab File: 5w55724.D
Acq: 18 Dec 2024 2:59 pm

Tgt Ion:106 Resp: 5033

Ion	Ratio	Lower	Upper
106	100		
91	225.0	181.2	241.2
77	33.6	0.1	60.1



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-20-2024\V5w2135\
Data File : 5w55769.D
Acq On : 20 Dec 2024 4:55 am
Operator : thomash
Sample : je2487-3 Inst : GCMS5W
Misc : MS88104,V5W2135,100,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 20 17:14:25 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

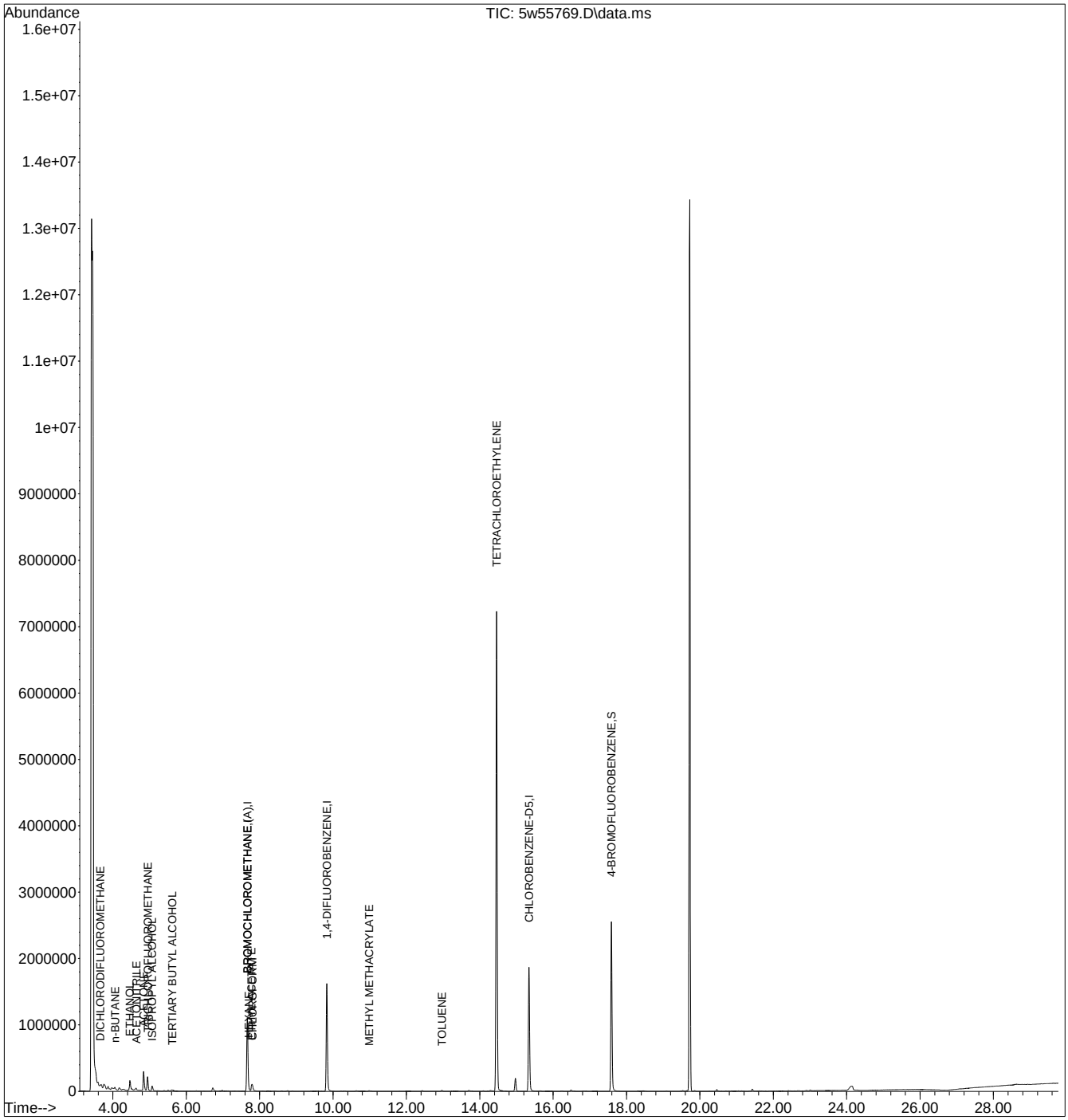
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	7.663	128	291529	10.00	PPBV	# 0.00
51) 1,4-DIFLUOROBENZENE	9.828	114	1382771	10.00	PPBV	0.00
70) CHLOROBENZENE-D5	15.341	82	744927	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	7.663	128	291529	10.00	PPBV	# 0.00
System Monitoring Compounds						
85) 4-BROMOFLUOROBENZENE	17.586	95	917294	11.00	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 110.00%			
Target Compounds						Qvalue
6) DICHLORODIFLUOROMETHANE	3.656	85	15191	0.1426	PPBV	88
13) n-BUTANE	4.059	43	7010	0.1126	PPBV #	94
17) ACETONITRILE	4.635	41	7267	0.2020	PPBV	98
21) TRICHLOROFLUOROMETHANE	4.947	101	171748	1.7445	PPBV	100
22) ISOPROPYL ALCOHOL	5.069	45	111217	1.7829	PPBV	93
23) ACETONE	4.836	58	99409	4.2278	PPBV #	83
28) ETHANOL	4.463	45	181581	7.9425	PPBV	99
35) TERTIARY BUTYL ALCOHOL	5.620	59	14579	0.2484	PPBV	79
38) HEXANE	7.700	57	5644	0.1236	PPBV	90
44) ETHYL ACETATE	7.779	61	17270	1.8513	PPBV #	74
46) CHLOROFORM	7.804	83	38727	0.5175	PPBV	96
63) METHYL METHACRYLATE	10.979	69	6386	0.1917	PPBV #	74
66) TOLUENE	12.967	92	8276	0.1181	PPBV	99
73) TETRACHLOROETHYLENE	14.460	164	1863187	38.2926	PPBV	84

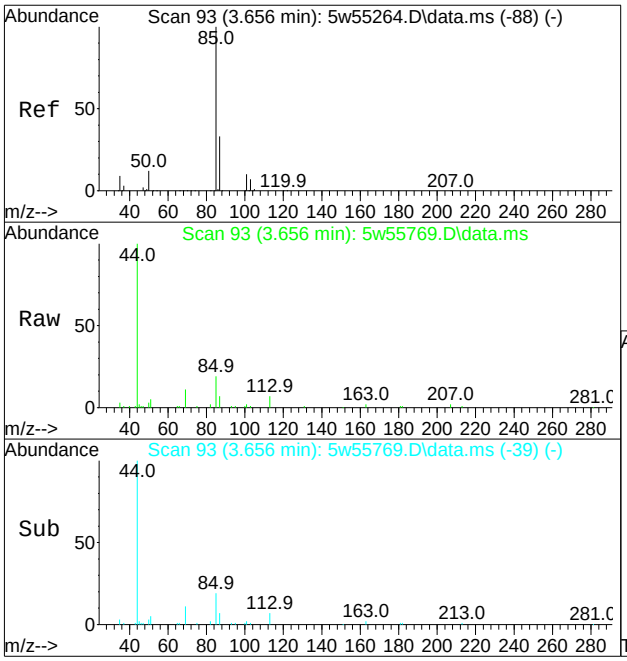
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-20-2024\V5w2135\
Data File : 5w55769.D
Acq On : 20 Dec 2024 4:55 am
Operator : thomash
Sample : je2487-3 Inst : GCMS5W
Misc : MS88104,V5W2135,100,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 20 17:14:25 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

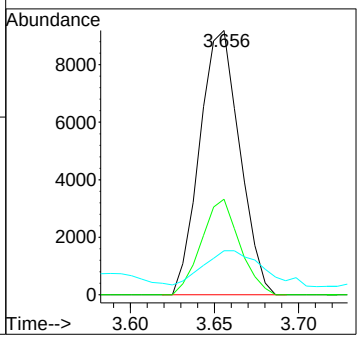


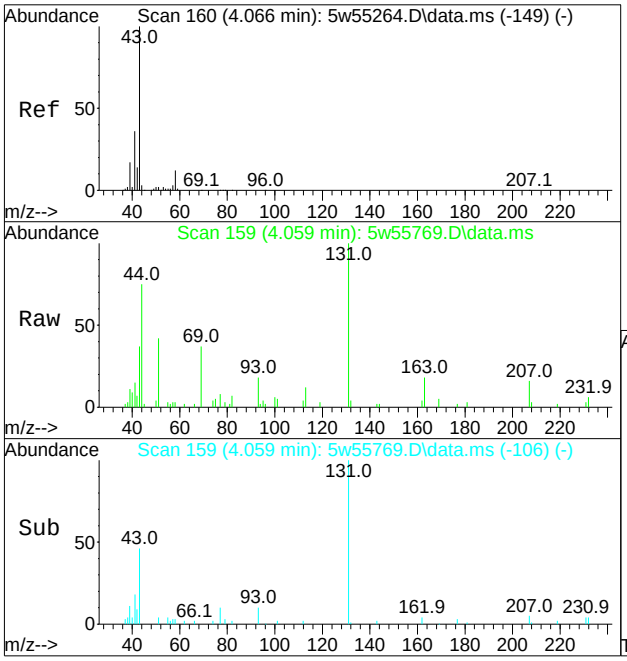


#6
DICHLORODIFLUOROMETHANE
Concen: 0.1426 PPBV
RT: 3.656 min Scan# 93
Delta R.T. -0.000 min
Lab File: 5w55769.D
Acq: 20 Dec 2024 4:55 am

Tgt Ion: 85 Resp: 15191

Ion	Ratio	Lower	Upper
85	100		
87	34.6	2.6	62.6
50	26.1	0.0	43.0

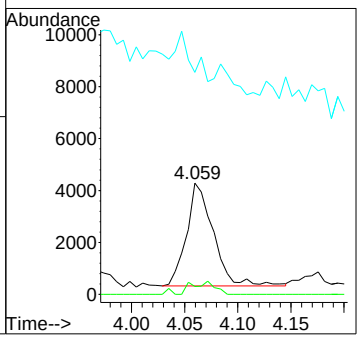


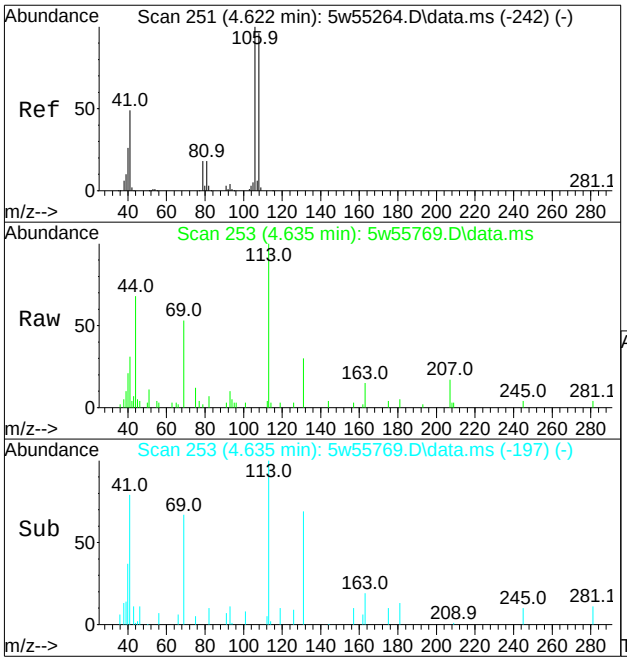


#13
n-BUTANE
Concen: 0.1126 PPBV
RT: 4.059 min Scan# 159
Delta R.T. -0.006 min
Lab File: 5w55769.D
Acq: 20 Dec 2024 4:55 am

Tgt Ion: 43 Resp: 7010

Ion	Ratio	Lower	Upper
43	100		
58	10.8	0.0	41.6
44	0.0	0.0	34.7

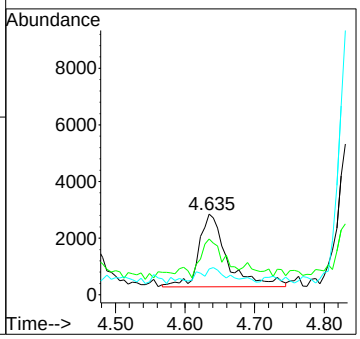


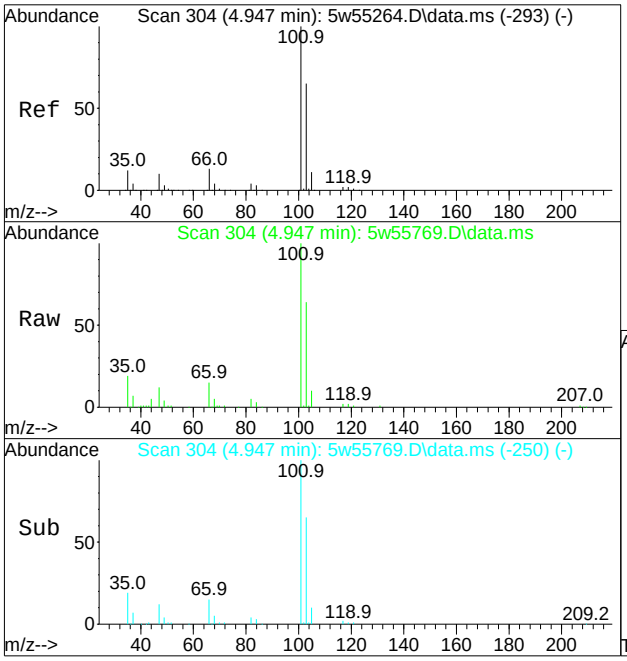


#17
ACETONITRILE
Concen: 0.2020 PPBV
RT: 4.635 min Scan# 253
Delta R.T. 0.012 min
Lab File: 5w55769.D
Acq: 20 Dec 2024 4:55 am

Tgt Ion: 41 Resp: 7267

Ion	Ratio	Lower	Upper
41	100		
40	55.2	38.4	71.4
39	22.4	13.7	25.5

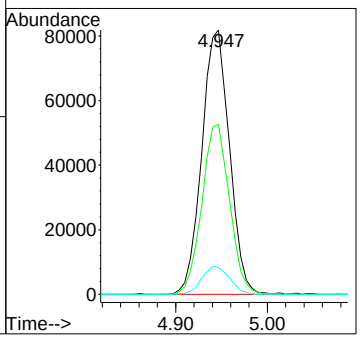


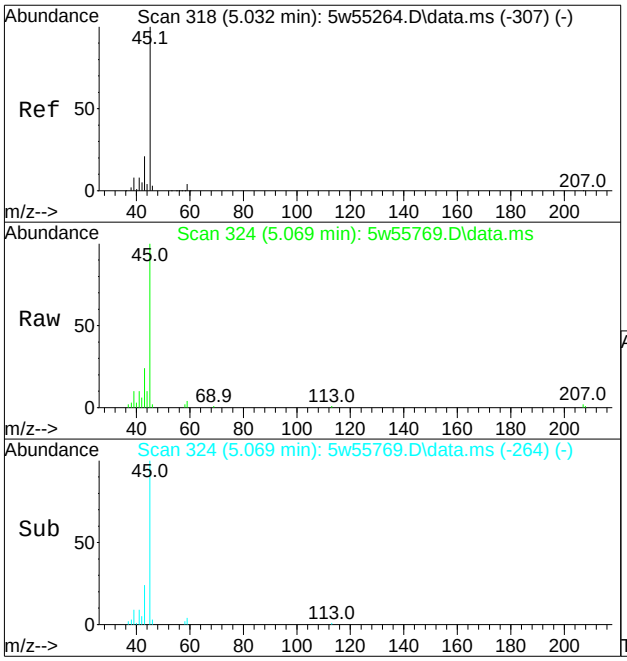


#21
TRICHLOROFLUOROMETHANE
Concen: 1.7445 PPBV
RT: 4.947 min Scan# 304
Delta R.T. -0.000 min
Lab File: 5w55769.D
Acq: 20 Dec 2024 4:55 am

Tgt Ion:101 Resp: 171748

Ion	Ratio	Lower	Upper
101	100		
103	64.4	34.7	94.7
105	10.7	0.0	40.5

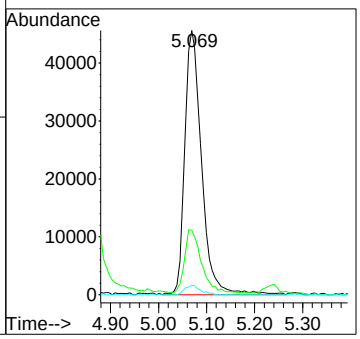


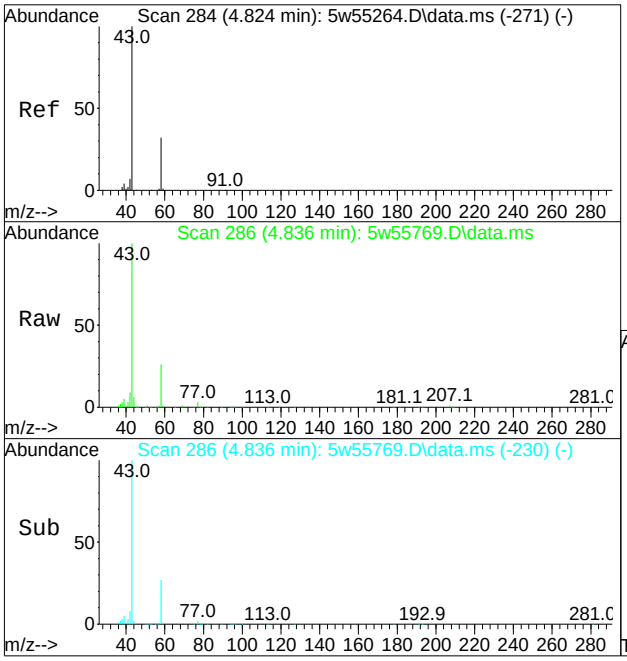


#22
ISOPROPYL ALCOHOL
Concen: 1.7829 PPBV
RT: 5.069 min Scan# 324
Delta R.T. 0.037 min
Lab File: 5w55769.D
Acq: 20 Dec 2024 4:55 am

Tgt Ion: 45 Resp: 111217

Ion	Ratio	Lower	Upper
45	100		
43	24.4	0.0	50.8
59	3.6	0.0	33.8

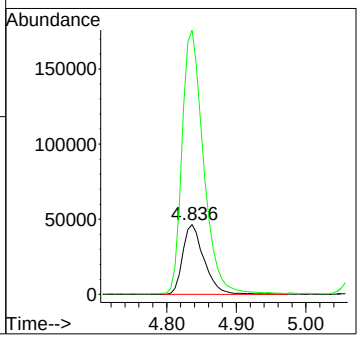


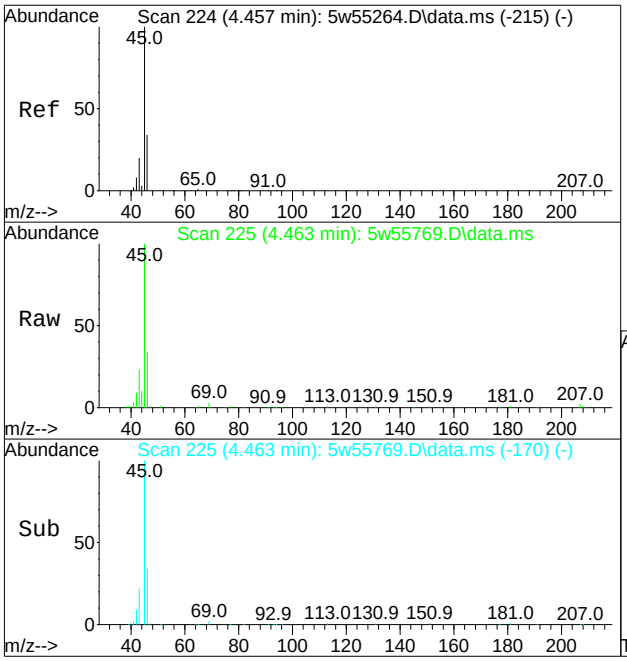


#23
ACETONE
Concen: 4.2278 PPBV
RT: 4.836 min Scan# 286
Delta R.T. 0.012 min
Lab File: 5w55769.D
Acq: 20 Dec 2024 4:55 am

Tgt Ion: 58 Resp: 99409

Ion	Ratio	Lower	Upper
58	100		
43	378.8	312.3	372.3#

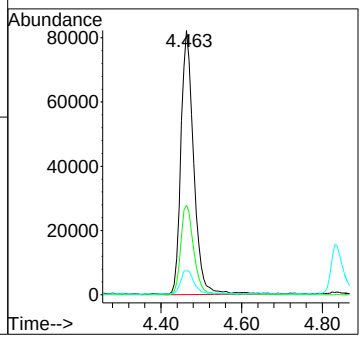


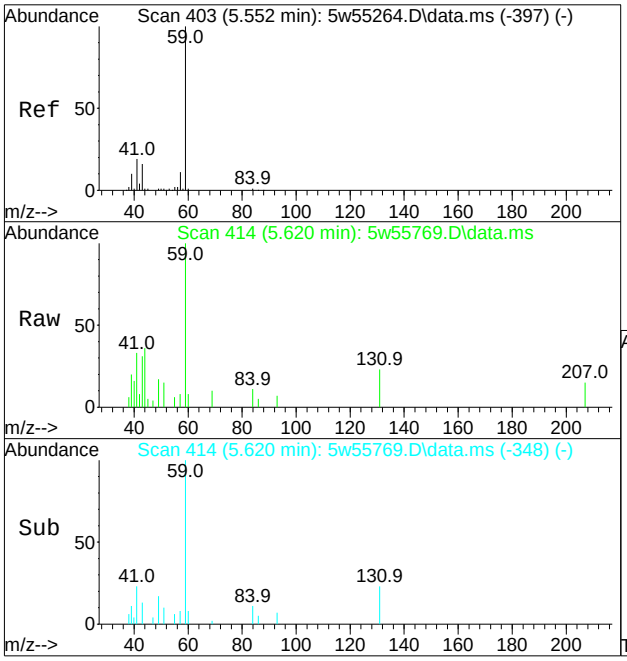


#28
ETHANOL
Concen: 7.9425 PPBV
RT: 4.463 min Scan# 225
Delta R.T. 0.006 min
Lab File: 5w55769.D
Acq: 20 Dec 2024 4:55 am

Tgt Ion: 45 Resp: 181581

Ion	Ratio	Lower	Upper
45	100		
46	34.5	4.5	64.5
42	10.0	0.0	38.6

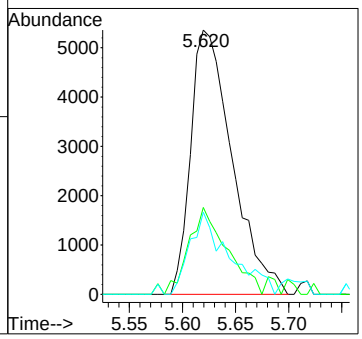


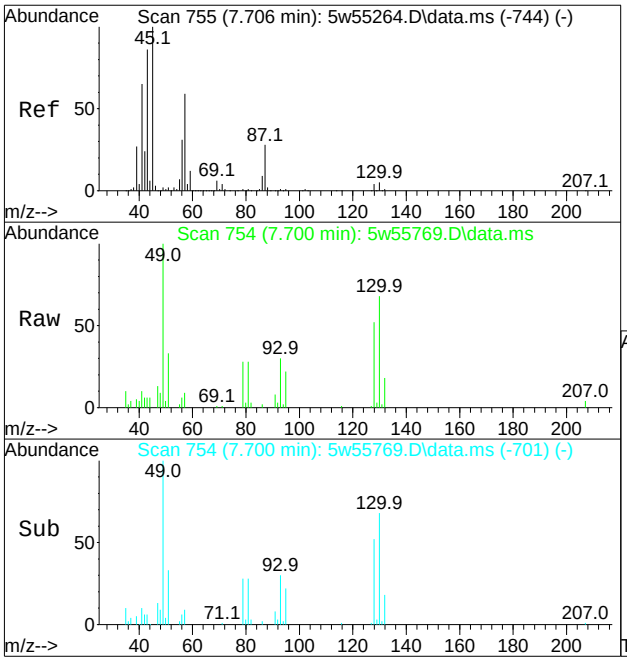


#35
TERTIARY BUTYL ALCOHOL
Concen: 0.2484 PPBV
RT: 5.620 min Scan# 414
Delta R.T. 0.073 min
Lab File: 5w55769.D
Acq: 20 Dec 2024 4:55 am

Tgt Ion: 59 Resp: 14579

Ion	Ratio	Lower	Upper
59	100		
41	30.6	0.0	53.1
43	29.4	0.0	47.1

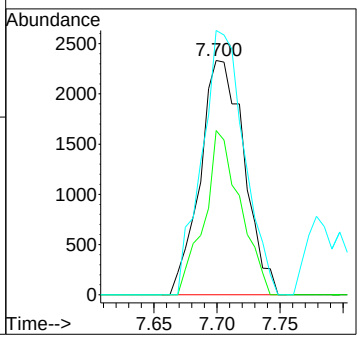


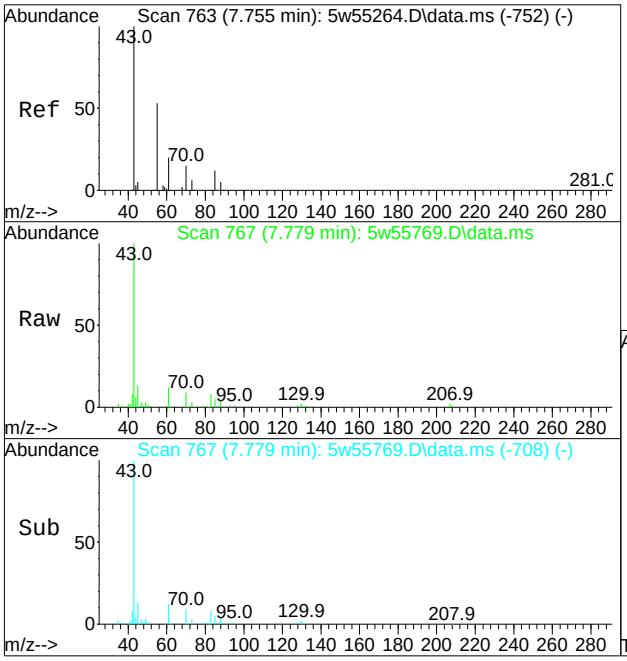


#38
HEXANE
Concen: 0.1236 PPBV
RT: 7.700 min Scan# 754
Delta R.T. -0.006 min
Lab File: 5w55769.D
Acq: 20 Dec 2024 4:55 am

Tgt Ion: 57 Resp: 5644

Ion	Ratio	Lower	Upper
57	100		
56	57.1	24.2	84.2
41	108.5	92.1	152.1

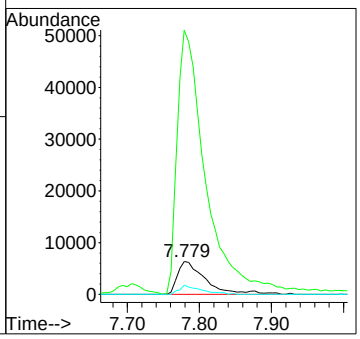


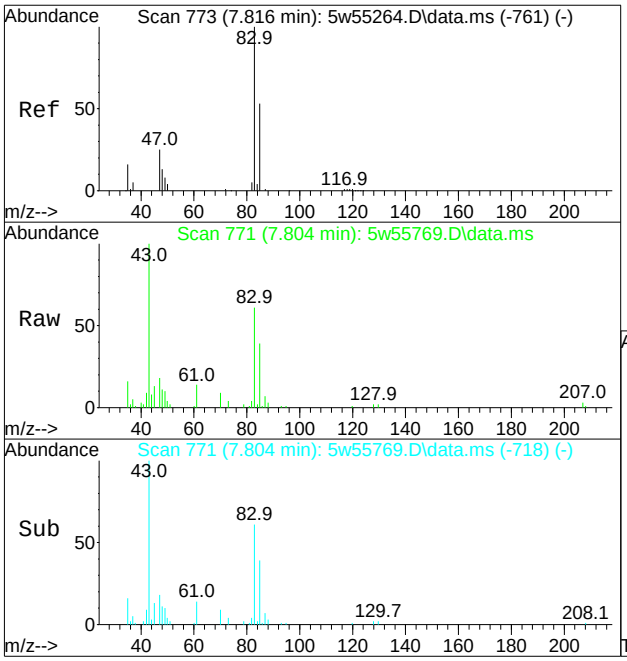


#44
ETHYL ACETATE
Concen: 1.8513 PPBV
RT: 7.779 min Scan# 767
Delta R.T. 0.030 min
Lab File: 5w55769.D
Acq: 20 Dec 2024 4:55 am

Tgt Ion: 61 Resp: 17270

Ion	Ratio	Lower	Upper
61	100		
43	848.5	0.0	30.0#
88	21.7	7.3	67.3

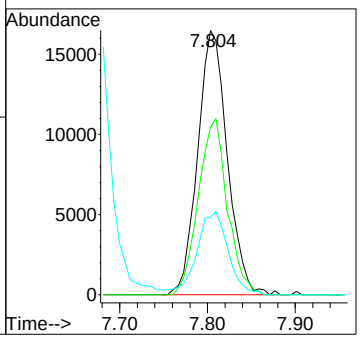


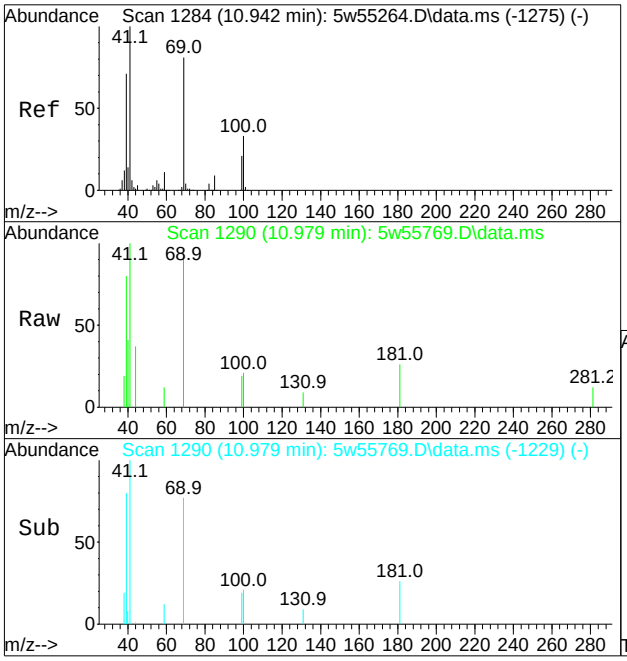


#46
CHLOROFORM
Concen: 0.5175 PPBV
RT: 7.804 min Scan# 771
Delta R.T. -0.006 min
Lab File: 5w55769.D
Acq: 20 Dec 2024 4:55 am

Tgt Ion: 83 Resp: 38727

Ion	Ratio	Lower	Upper
83	100		
85	65.3	35.5	95.5
47	33.1	0.0	56.8

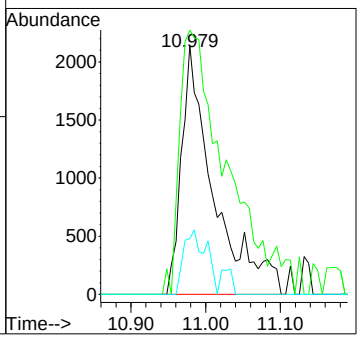


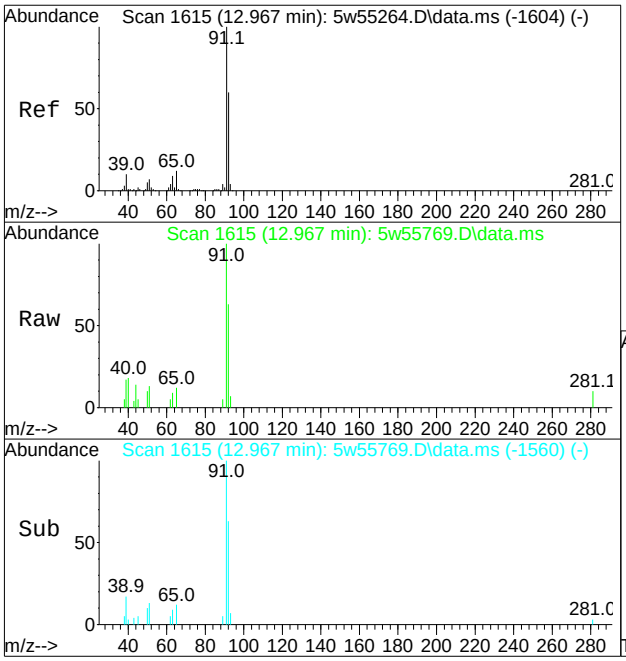


#63
METHYL METHACRYLATE
Concen: 0.1917 PPBV
RT: 10.979 min Scan# 1290
Delta R.T. 0.043 min
Lab File: 5w55769.D
Acq: 20 Dec 2024 4:55 am

Tgt Ion: 69 Resp: 6386

Ion	Ratio	Lower	Upper
69	100		
41	157.6	97.3	157.3#
100	18.0	3.0	63.0

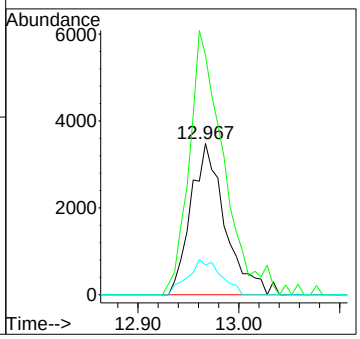


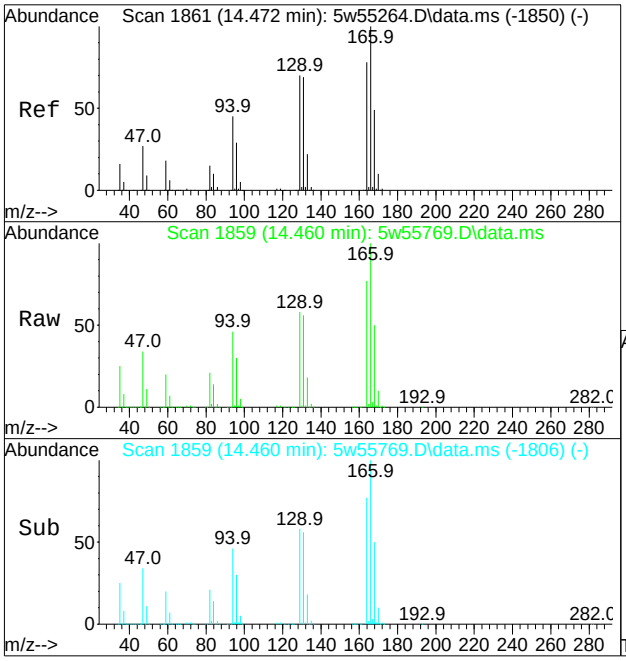


#66
TOLUENE
Concen: 0.1181 PPBV
RT: 12.967 min Scan# 1615
Delta R.T. 0.006 min
Lab File: 5w55769.D
Acq: 20 Dec 2024 4:55 am

Tgt Ion: 92 Resp: 8276

Ion	Ratio	Lower	Upper
92	100		
91	173.0	143.4	203.4
65	22.3	0.0	53.8

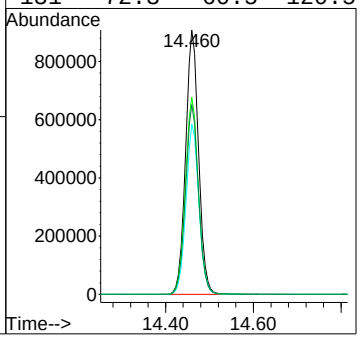




#73
TETRACHLOROETHYLENE
Concen: 38.2926 PPBV
RT: 14.460 min Scan# 1859
Delta R.T. -0.006 min
Lab File: 5w55769.D
Acq: 20 Dec 2024 4:55 am

Tgt Ion:164 Resp: 1863187

Ion	Ratio	Lower	Upper
164	100		
129	75.3	64.4	124.4
168	64.4	31.2	91.2
131	72.3	60.5	120.5



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 12/18/24 22:00

Quantitation Report (QT Reviewed)

Data Path : R:\MSAIR\Done\2024\December\17 Dec 2024\v5w2132\
Data File : 5w55674.D
Acq On : 16 Dec 2024 9:45 pm
Operator : thomash
Sample : je2487-4 Inst : GCMS5W
Misc : MS88104,V5W2132,500,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 17 12:03:41 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

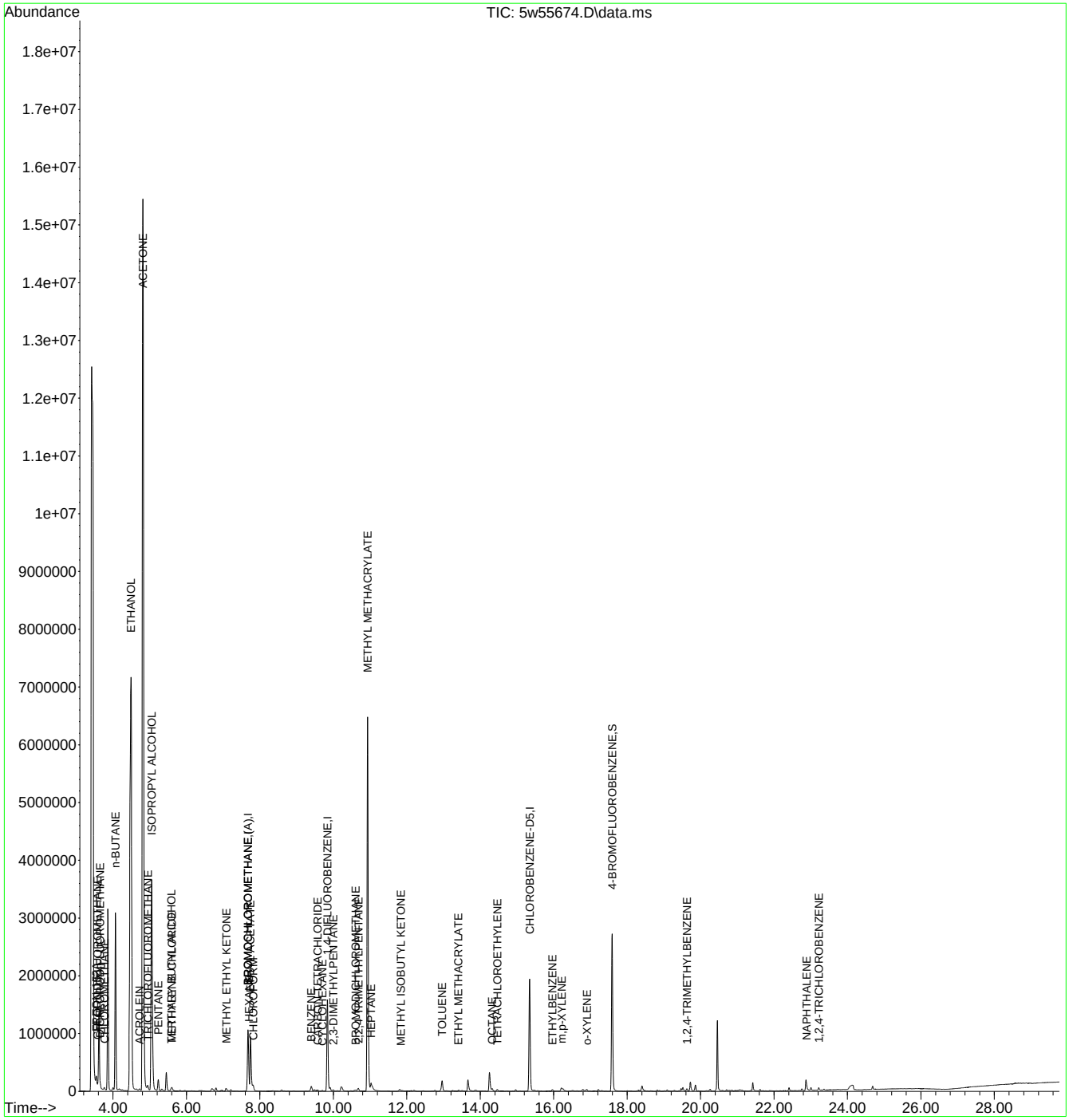
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	7.675	128	277269	10.00	PPBV	# 0.00
51) 1,4-DIFLUOROBENZENE	9.835	114	1350782	10.00	PPBV	0.00
70) CHLOROBENZENE-D5	15.347	82	827218	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	7.675	128	277269	10.00	PPBV	# 0.00
System Monitoring Compounds						
85) 4-BROMOFLUOROBENZENE	17.592	95	1045427	11.29	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 112.90%			
Target Compounds						Qvalue
3) FREON 152A	3.546	65	63466	3.0938	PPBV	86
4) CHLORODIFLUOROMETHANE	3.576	67	5096	0.4791	PPBV	96
6) DICHLORODIFLUOROMETHANE	3.650	85	63095	0.6227	PPBV	99
10) CHLOROMETHANE	3.772	52	7222	0.5527	PPBV	88
13) n-BUTANE	4.066	43	2604382	43.9673	PPBV	99
18) ACROLEIN	4.720	56	25510	1.7074	PPBV	99
21) TRICHLOROFLUOROMETHANE	4.947	101	55541	0.5932	PPBV	99
22) ISOPROPYL ALCOHOL	5.051	45	5756907	97.0343	PPBV	98
23) ACETONE	4.812	58	8184668	365.9946	PPBV #	73
24) PENTANE	5.234	42	80963	2.7471	PPBV	95
28) ETHANOL	4.488	45	13201208	607.1257	PPBV	98
31) METHYLENE CHLORIDE	5.607	84	15914	0.5472	PPBV	97
35) TERTIARY BUTYL ALCOHOL	5.589	59	56106	1.0053	PPBV	69
38) HEXANE	7.699	57	30364	0.6989	PPBV	81
41) METHYL ETHYL KETONE	7.082	72	20117	1.6726	PPBV	90
44) ETHYL ACETATE	7.742	61	186824	21.0573	PPBV #	75
46) CHLOROFORM	7.816	83	69915	0.9823	PPBV	98
49) CARBON TETRACHLORIDE	9.572	117	11292	0.1478	PPBV	95
52) BENZENE	9.400	78	85439	0.8727	PPBV	98
53) CYCLOHEXANE	9.700	84	6341	0.1724	PPBV	88
54) 2,3-DIMETHYLPENTANE	10.000	71	4599	0.2316	PPBV	99
59) BROMODICHLOROMETHANE	10.611	83	10522	0.1167	PPBV	85
60) 2,2,4-TRIMETHYLPENTANE	10.685	57	44694	0.3006	PPBV	79
62) HEPTANE	11.028	43	57270m	1.1028	PPBV	
63) METHYL METHACRYLATE	10.930	69	2816198	86.5222	PPBV	95
64) METHYL ISOBUTYL KETONE	11.841	58	3788	0.1369	PPBV #	62
66) TOLUENE	12.961	92	94499	1.3799	PPBV	100
72) ETHYL METHACRYLATE	13.407	69	12381	0.2167	PPBV #	78
73) TETRACHLOROETHYLENE	14.472	164	7408	0.1371	PPBV	87
76) OCTANE	14.325	43	30796m	0.4238	PPBV	
79) ETHYLBENZENE	15.964	91	27663	0.1814	PPBV	95
80) m,p-XYLENE	16.215	106	25356	0.4382	PPBV #	78
81) o-XYLENE	16.907	106	9583	0.1706	PPBV #	77
96) 1,2,4-TRIMETHYLBENZENE	19.629	105	20263	0.1409	PPBV #	42
107) 1,2,4-TRICHLOROBENZENE	23.220	180	13984	0.1526	PPBV	95
108) NAPHTHALENE	22.890	128	37367	0.1858	PPBV	99

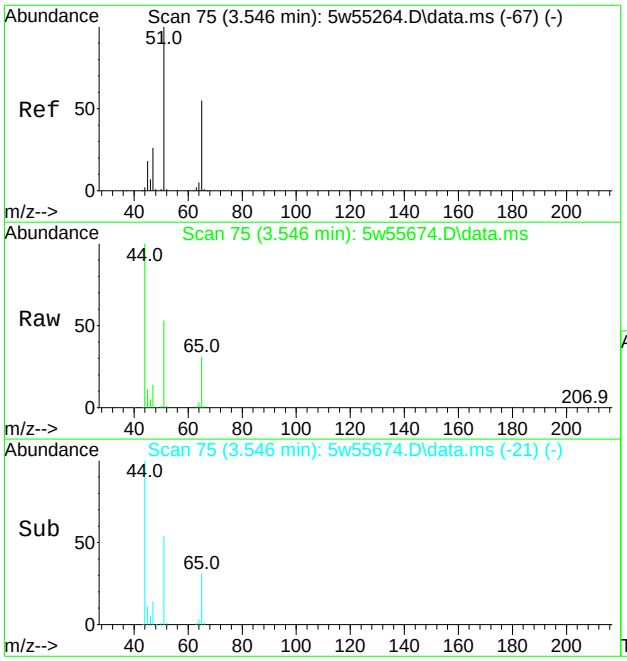
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : R:\MSAIR\Done\2024\December\17 Dec 2024\v5w2132\
Data File : 5w55674.D
Acq On : 16 Dec 2024 9:45 pm
Operator : thomash
Sample : je2487-4 Inst : GCMS5W
Misc : MS88104,V5W2132,500,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 17 12:03:41 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

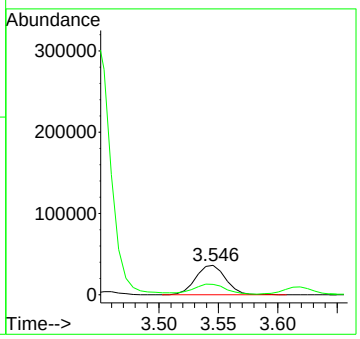


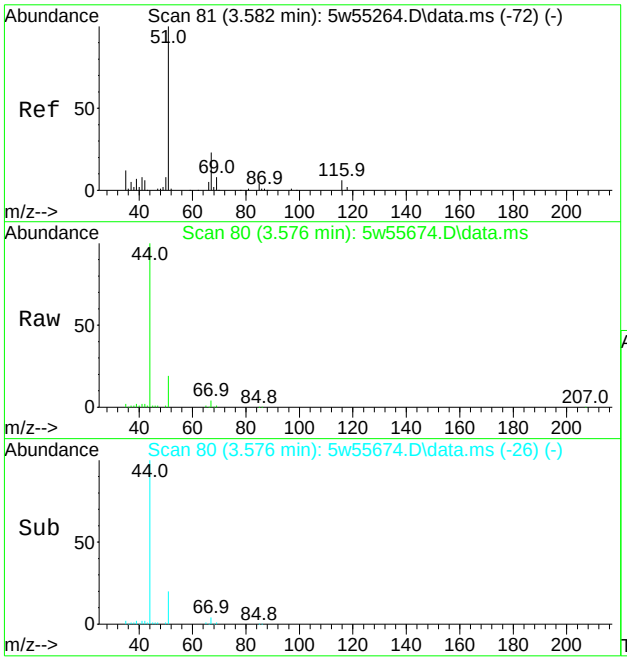


#3
FREON 152A
Concen: 3.0938 PPBV
RT: 3.546 min Scan# 75
Delta R.T. -0.000 min
Lab File: 5w55674.D
Acq: 16 Dec 2024 9:45 pm

Tgt Ion: 65 Resp: 63466

Ion	Ratio	Lower	Upper
65	100		
45	39.8	1.8	61.8

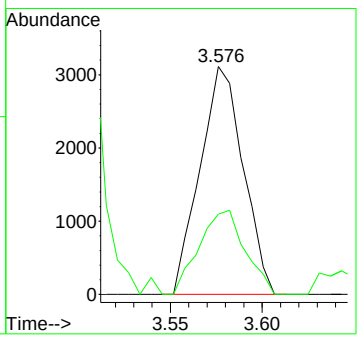


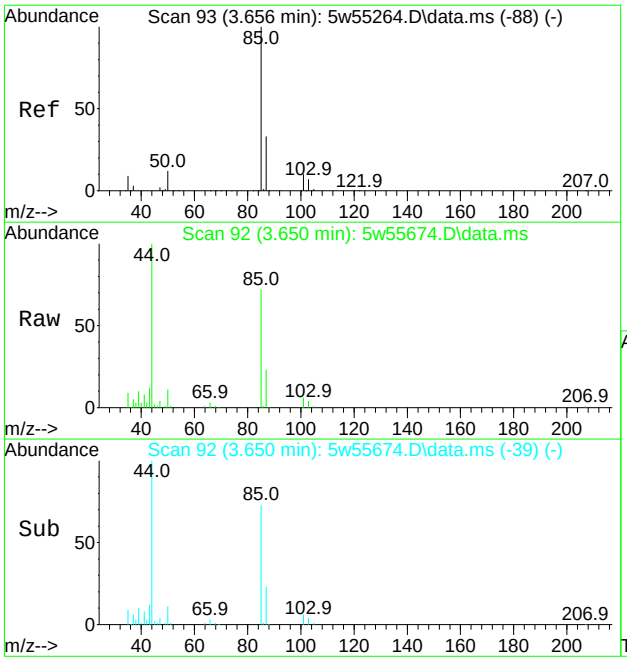


#4
CHLORODIFLUOROMETHANE
Concen: 0.4791 PPBV
RT: 3.576 min Scan# 80
Delta R.T. -0.000 min
Lab File: 5w55674.D
Acq: 16 Dec 2024 9:45 pm

Tgt Ion: 67 Resp: 5096

Ion	Ratio	Lower	Upper
67	100		
69	35.2	2.9	62.9

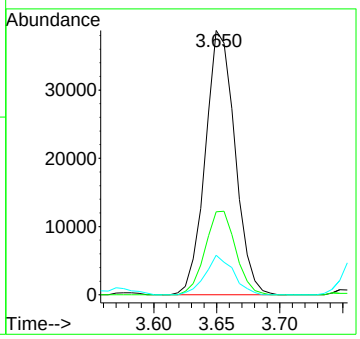


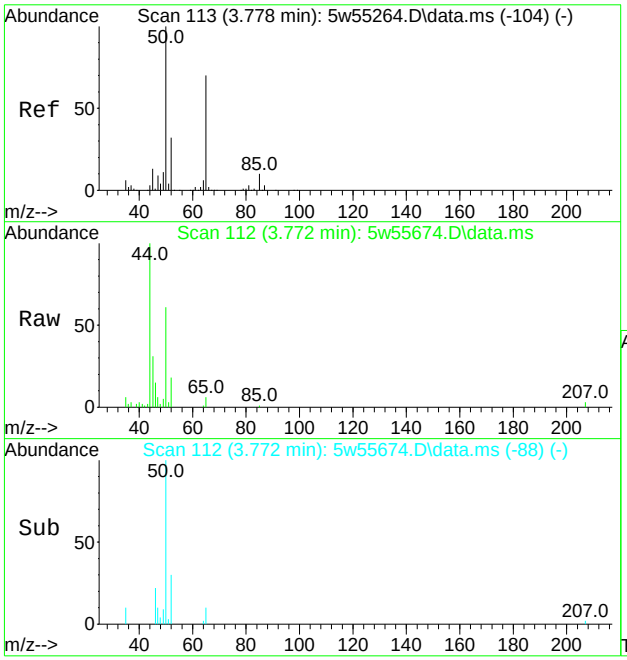


#6
DICHLORODIFLUOROMETHANE
Concen: 0.6227 PPBV
RT: 3.650 min Scan# 92
Delta R.T. -0.006 min
Lab File: 5w55674.D
Acq: 16 Dec 2024 9:45 pm

Tgt Ion: 85 Resp: 63095

Ion	Ratio	Lower	Upper
85	100		
87	32.5	2.6	62.6
50	14.2	0.0	43.0

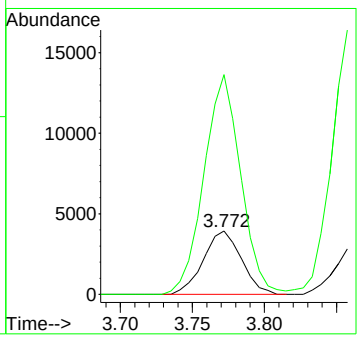


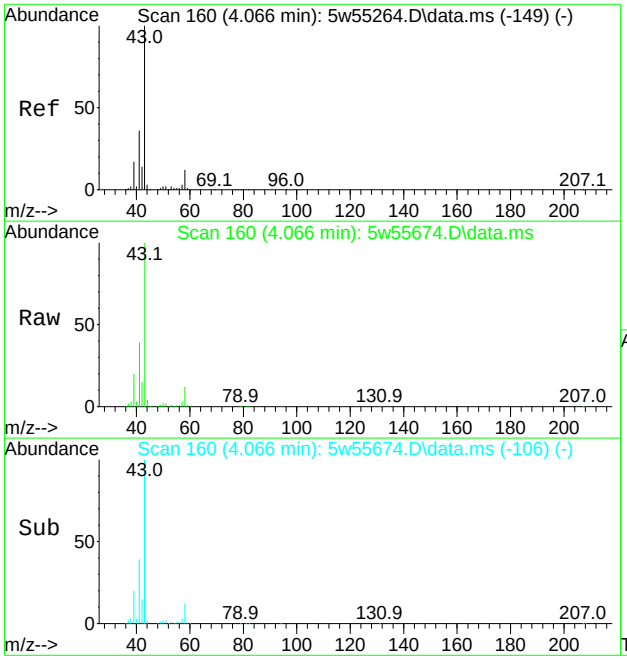


#10
CHLOROMETHANE
Concen: 0.5527 PPBV
RT: 3.772 min Scan# 112
Delta R.T. -0.000 min
Lab File: 5w55674.D
Acq: 16 Dec 2024 9:45 pm

Tgt Ion: 52 Resp: 7222

Ion	Ratio	Lower	Upper
52	100		
50	343.3	287.9	347.9

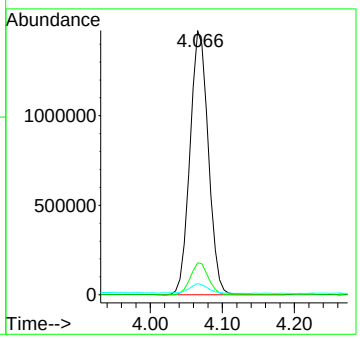


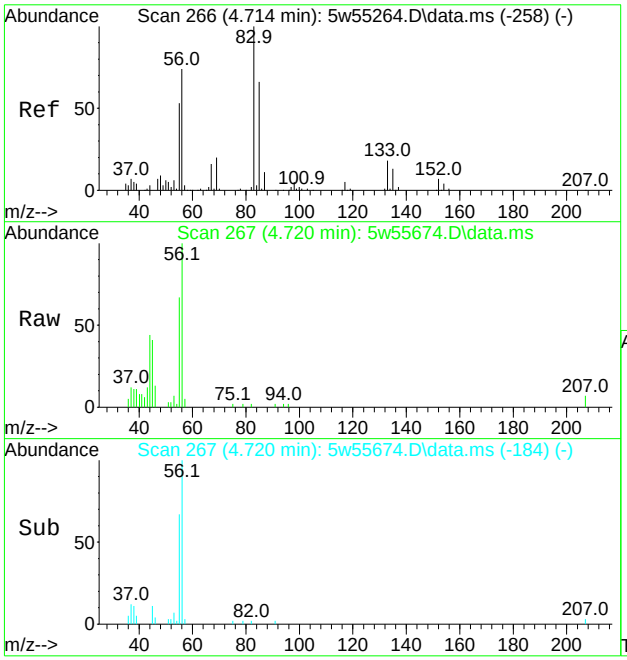


#13
n-BUTANE
Concen: 43.9673 PPBV
RT: 4.066 min Scan# 160
Delta R.T. -0.000 min
Lab File: 5w55674.D
Acq: 16 Dec 2024 9:45 pm

Tgt Ion: 43 Resp: 2604382

Ion	Ratio	Lower	Upper
43	100		
58	11.9	0.0	41.6
44	4.1	0.0	34.7

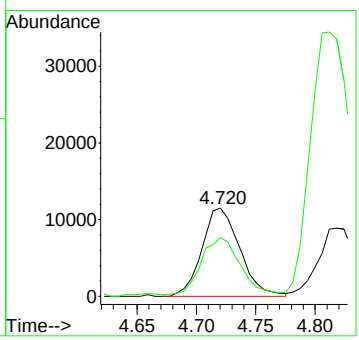


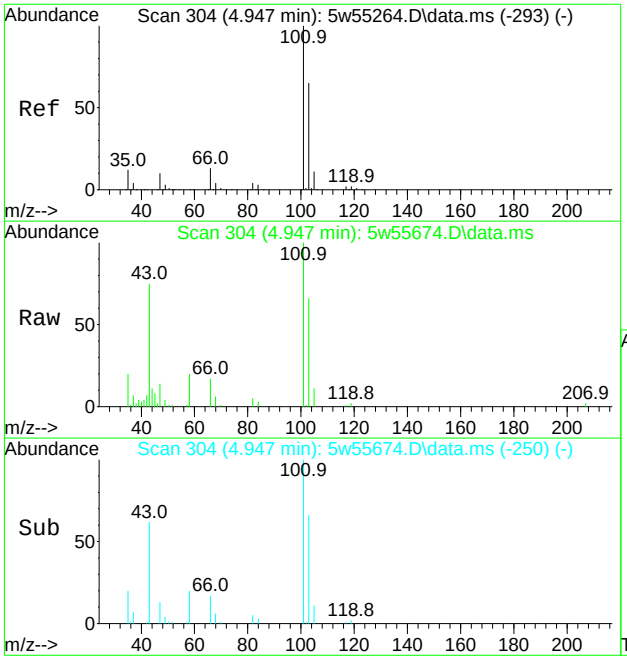


#18
ACROLEIN
Concen: 1.7074 PPBV
RT: 4.720 min Scan# 267
Delta R.T. 0.006 min
Lab File: 5w55674.D
Acq: 16 Dec 2024 9:45 pm

Tgt Ion: 56 Resp: 25510

Ion	Ratio	Lower	Upper
56	100		
55	70.4	49.8	92.6

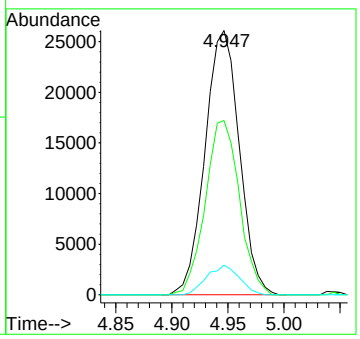


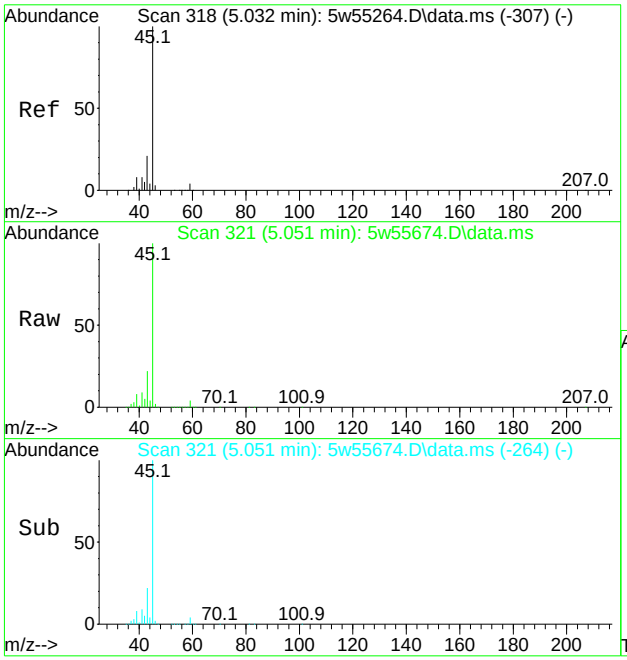


#21
TRICHLOROFLUOROMETHANE
Concen: 0.5932 PPBV
RT: 4.947 min Scan# 304
Delta R.T. -0.000 min
Lab File: 5w55674.D
Acq: 16 Dec 2024 9:45 pm

Tgt Ion:101 Resp: 55541

Ion	Ratio	Lower	Upper
101	100		
103	65.5	34.7	94.7
105	10.6	0.0	40.5

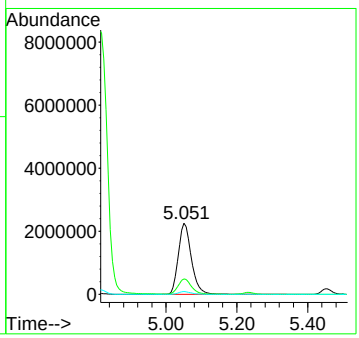


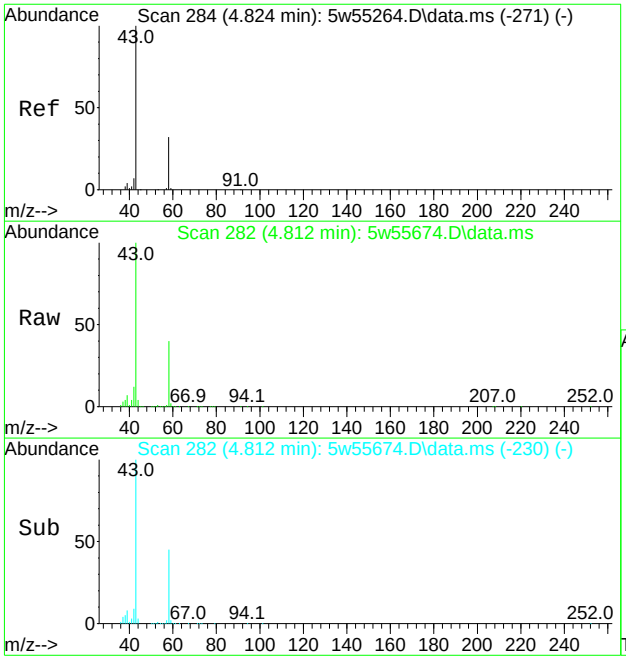


#22
ISOPROPYL ALCOHOL
Concen: 97.0343 PPBV
RT: 5.051 min Scan# 321
Delta R.T. 0.018 min
Lab File: 5w55674.D
Acq: 16 Dec 2024 9:45 pm

Tgt Ion: 45 Resp: 5756907

Ion	Ratio	Lower	Upper
45	100		
43	21.9	0.0	50.8
59	3.9	0.0	33.8

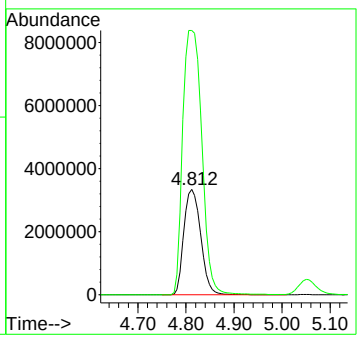


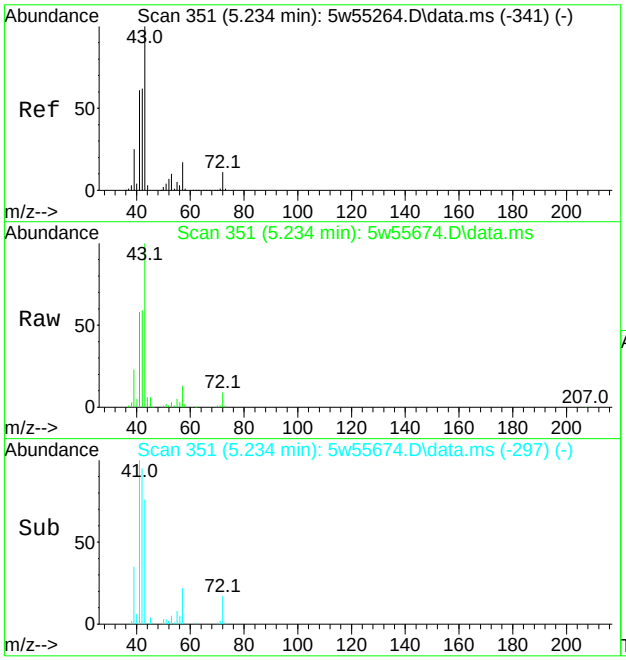


#23
ACETONE
Concen: 365.9946 PPBV
RT: 4.812 min Scan# 282
Delta R.T. -0.012 min
Lab File: 5w55674.D
Acq: 16 Dec 2024 9:45 pm

Tgt Ion: 58 Resp: 8184668

Ion	Ratio	Lower	Upper
58	100		
43	284.4	312.3	372.3#

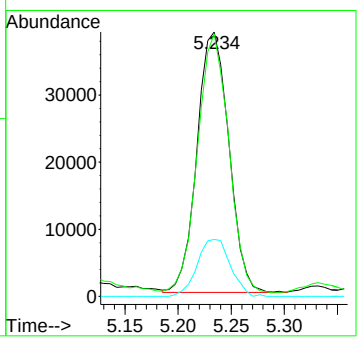


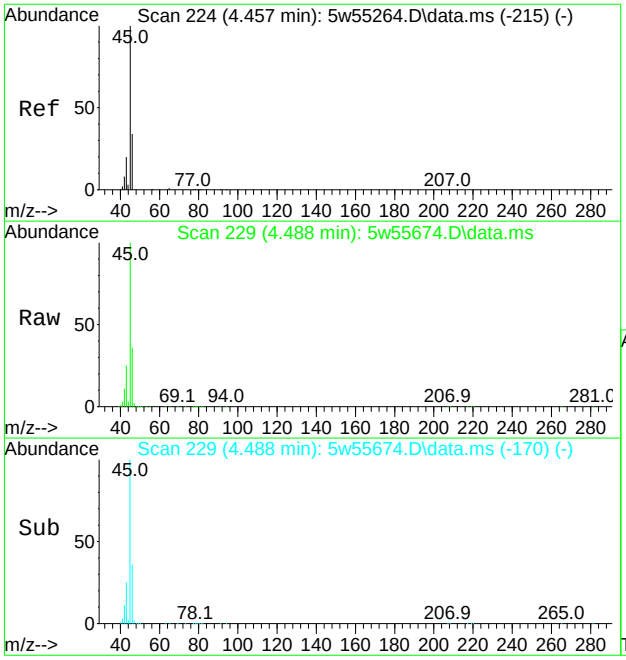


#24
PENTANE
Concen: 2.7471 PPBV
RT: 5.234 min Scan# 351
Delta R.T. -0.000 min
Lab File: 5w55674.D
Acq: 16 Dec 2024 9:45 pm

Tgt Ion: 42 Resp: 80963

Ion	Ratio	Lower	Upper
42	100		
41	99.2	64.4	124.4
57	22.8	0.0	55.0

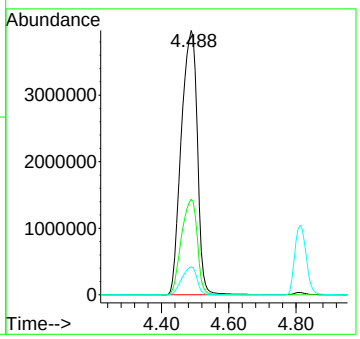


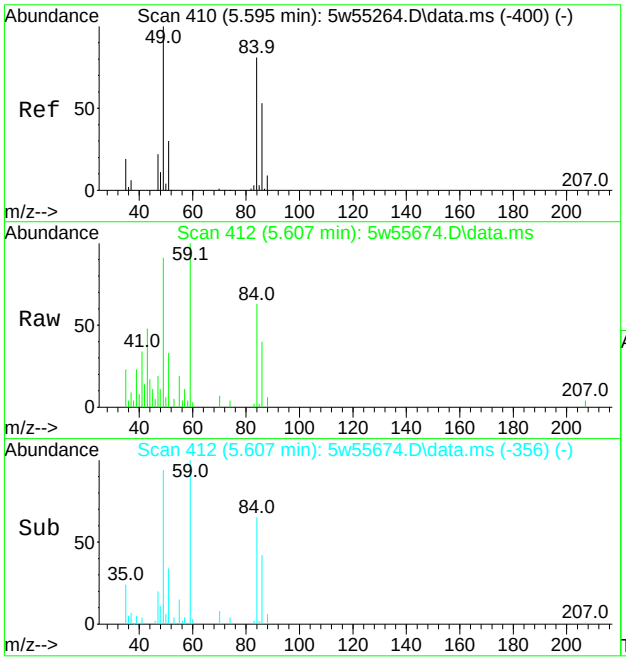


#28
ETHANOL
Concen: 607.1257 PPBV
RT: 4.488 min Scan# 229
Delta R.T. 0.030 min
Lab File: 5w55674.D
Acq: 16 Dec 2024 9:45 pm

Tgt Ion: 45 Resp:13201208

Ion	Ratio	Lower	Upper
45	100		
46	35.7	4.5	64.5
42	10.0	0.0	38.6

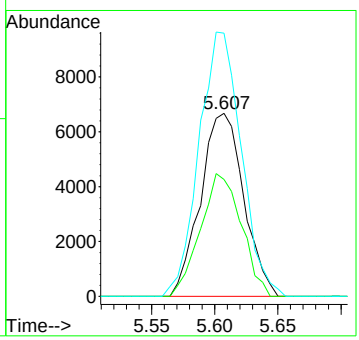


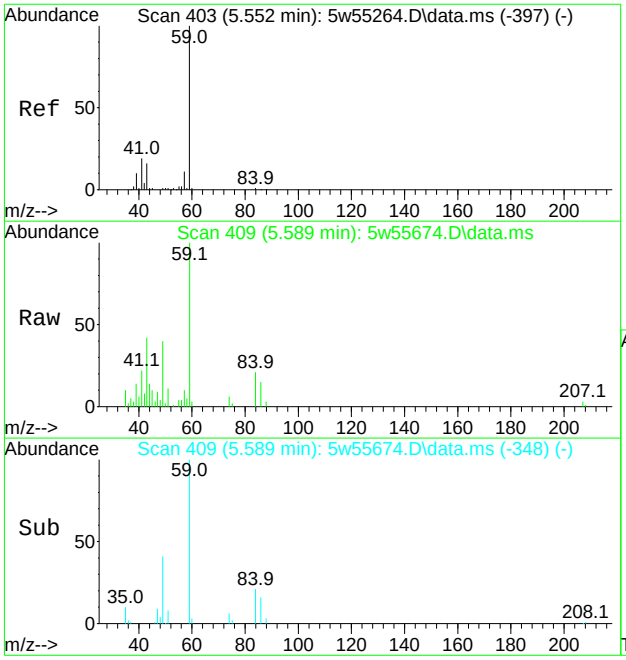


#31
METHYLENE CHLORIDE
Concen: 0.5472 PPBV
RT: 5.607 min Scan# 412
Delta R.T. 0.012 min
Lab File: 5w55674.D
Acq: 16 Dec 2024 9:45 pm

Tgt Ion: 84 Resp: 15914

Ion	Ratio	Lower	Upper
84	100		
86	63.3	34.0	94.0
49	140.9	105.8	165.8

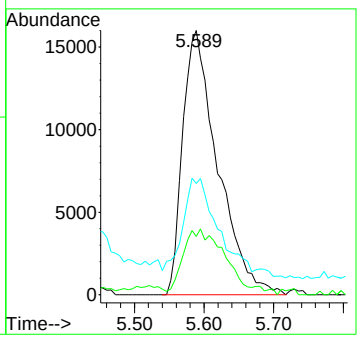


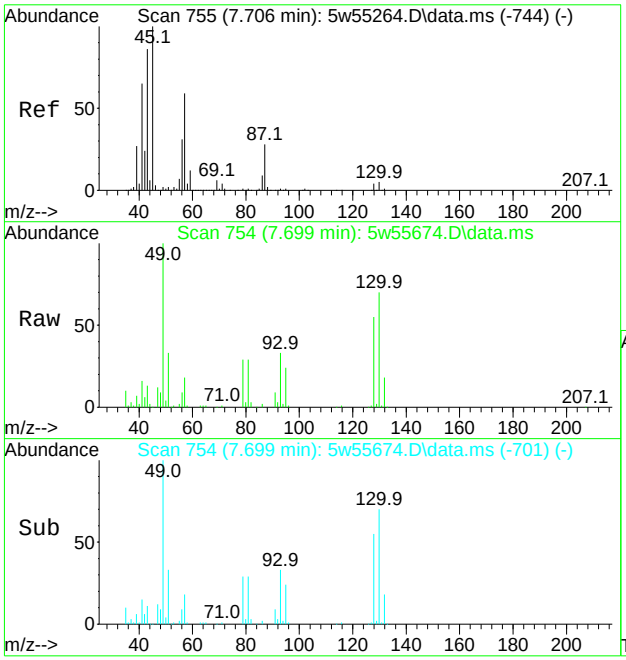


#35
TERTIARY BUTYL ALCOHOL
Concen: 1.0053 PPBV
RT: 5.589 min Scan# 409
Delta R.T. 0.043 min
Lab File: 5w55674.D
Acq: 16 Dec 2024 9:45 pm

Tgt Ion: 59 Resp: 56106

Ion	Ratio	Lower	Upper
59	100		
41	30.3	0.0	53.1
43	39.9	0.0	47.1

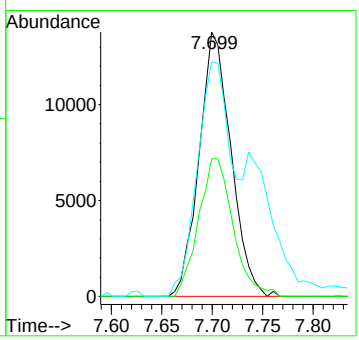


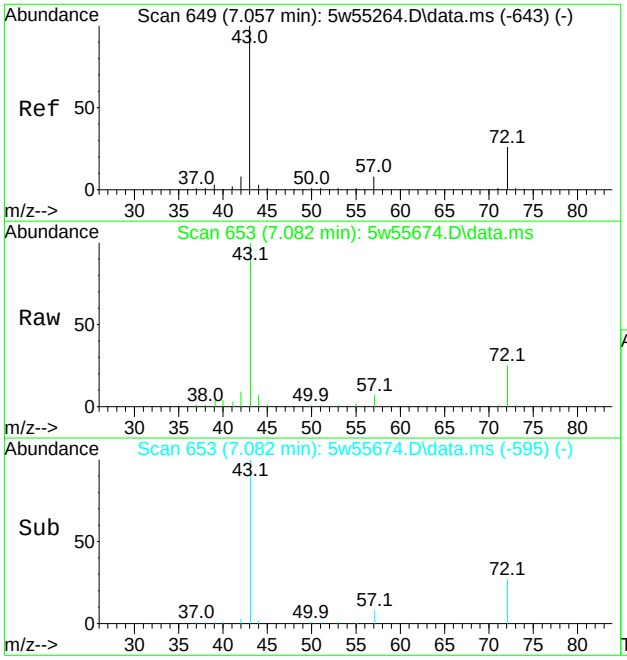


#38
HEXANE
Concen: 0.6989 PPBV
RT: 7.699 min Scan# 754
Delta R.T. -0.006 min
Lab File: 5w55674.D
Acq: 16 Dec 2024 9:45 pm

Tgt Ion: 57 Resp: 30364

Ion	Ratio	Lower	Upper
57	100		
56	56.3	24.2	84.2
41	151.3	92.1	152.1

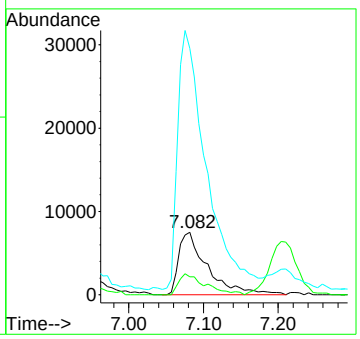


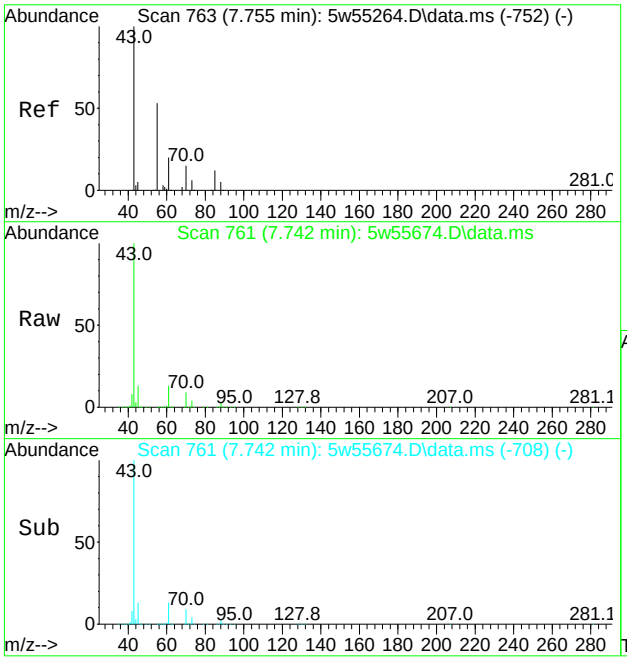


#41
METHYL ETHYL KETONE
Concen: 1.6726 PPBV
RT: 7.082 min Scan# 653
Delta R.T. 0.024 min
Lab File: 5w55674.D
Acq: 16 Dec 2024 9:45 pm

Tgt Ion: 72 Resp: 20117

Ion	Ratio	Lower	Upper
72	100		
57	28.8	1.1	61.1
43	394.6	390.6	450.6

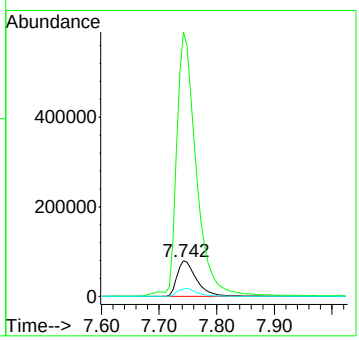


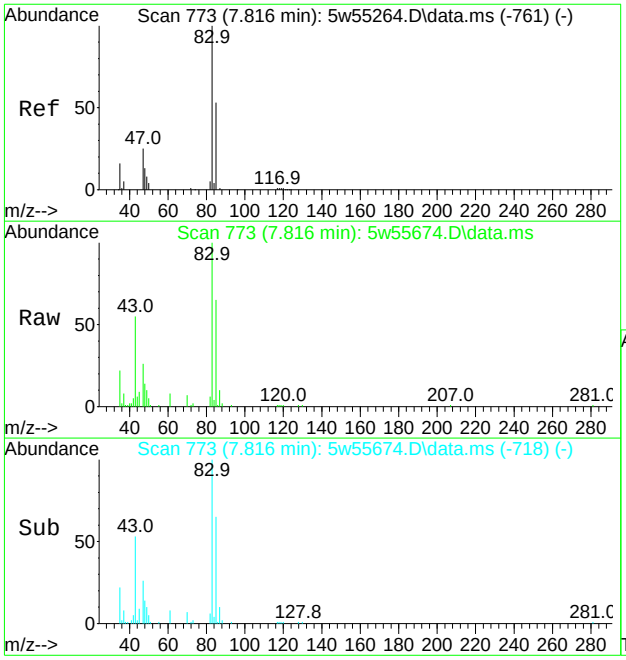


#44
ETHYL ACETATE
Concen: 21.0573 PPBV
RT: 7.742 min Scan# 761
Delta R.T. -0.006 min
Lab File: 5w55674.D
Acq: 16 Dec 2024 9:45 pm

Tgt Ion: 61 Resp: 186824

Ion	Ratio	Lower	Upper
61	100		
43	752.9	0.0	30.0#
88	22.4	7.3	67.3

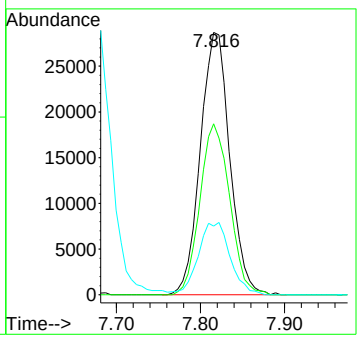


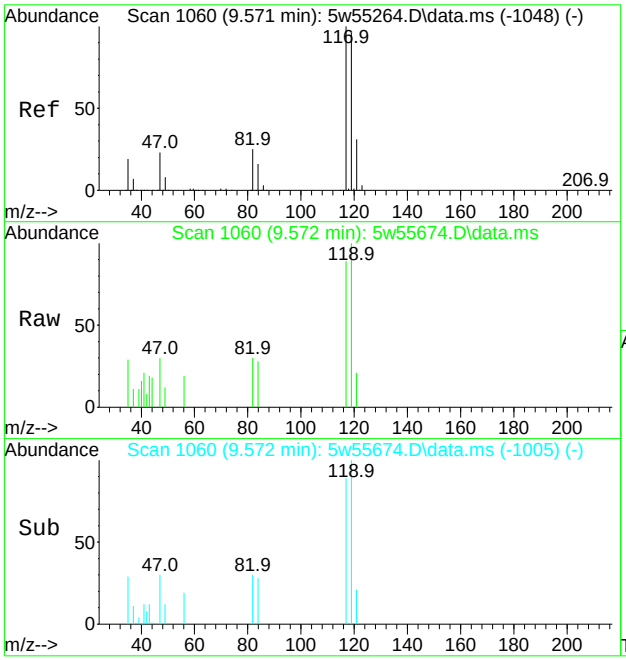


#46
CHLOROFORM
Concen: 0.9823 PPBV
RT: 7.816 min Scan# 773
Delta R.T. 0.006 min
Lab File: 5w55674.D
Acq: 16 Dec 2024 9:45 pm

Tgt Ion: 83 Resp: 69915

Ion	Ratio	Lower	Upper
83	100		
85	65.8	35.5	95.5
47	29.8	0.0	56.8

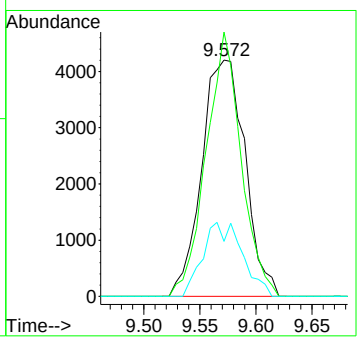


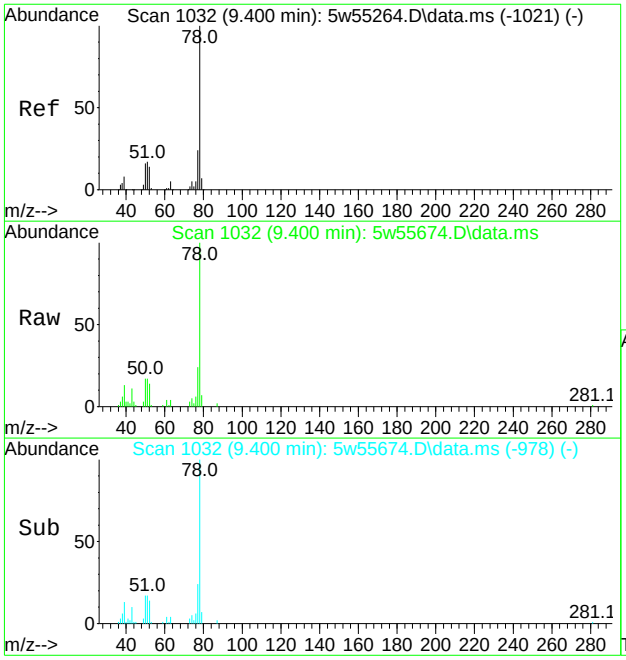


#49
CARBON TETRACHLORIDE
Concen: 0.1478 PPBV
RT: 9.572 min Scan# 1060
Delta R.T. 0.006 min
Lab File: 5w55674.D
Acq: 16 Dec 2024 9:45 pm

Tgt Ion:117 Resp: 11292

Ion	Ratio	Lower	Upper
117	100		
119	90.4	65.9	125.9
121	28.5	0.7	60.7

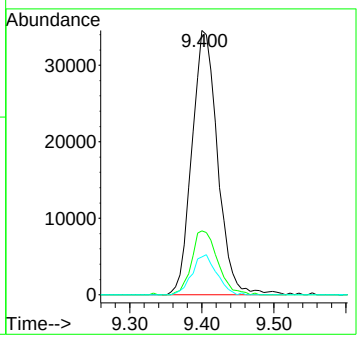


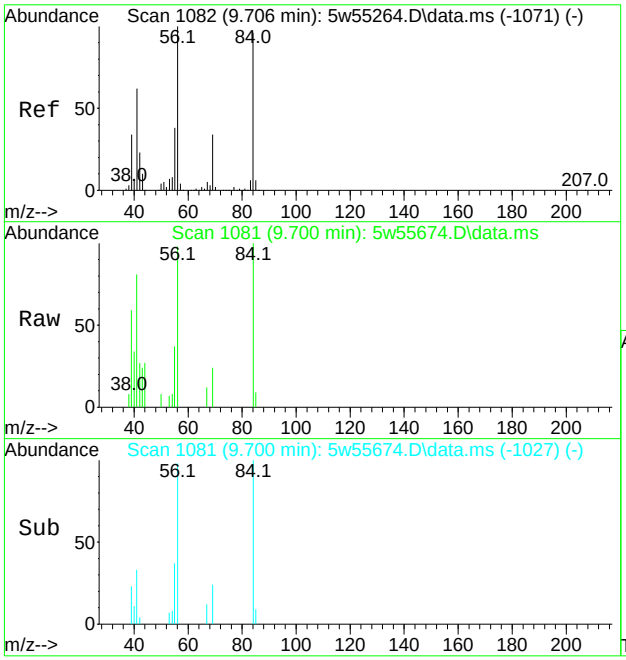


#52
BENZENE
Concen: 0.8727 PPBV
RT: 9.400 min Scan# 1032
Delta R.T. -0.000 min
Lab File: 5w55674.D
Acq: 16 Dec 2024 9:45 pm

Tgt Ion: 78 Resp: 85439

Ion	Ratio	Lower	Upper
78	100		
77	24.5	0.0	54.0
52	14.5	0.0	45.6

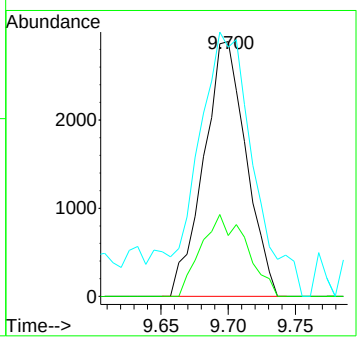


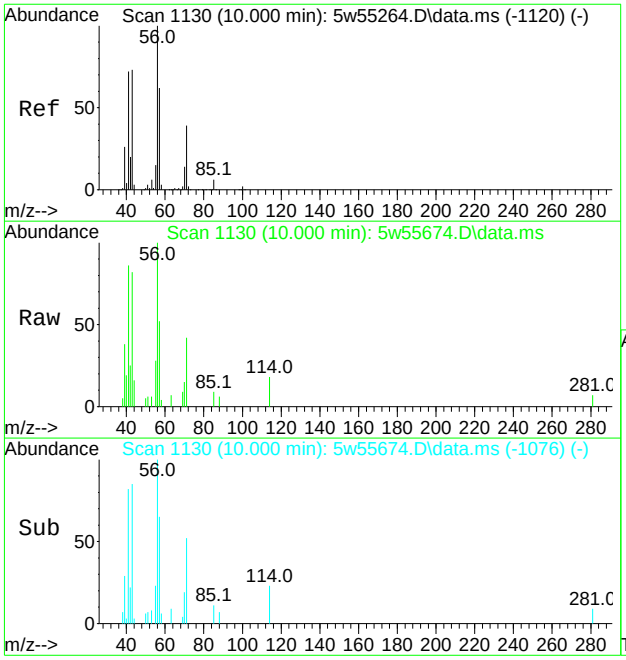


#53
CYCLOHEXANE
Concen: 0.1724 PPBV
RT: 9.700 min Scan# 1081
Delta R.T. -0.000 min
Lab File: 5w55674.D
Acq: 16 Dec 2024 9:45 pm

Tgt Ion: 84 Resp: 6341

Ion	Ratio	Lower	Upper
84	100		
69	34.5	7.0	67.0
56	132.3	86.5	146.5

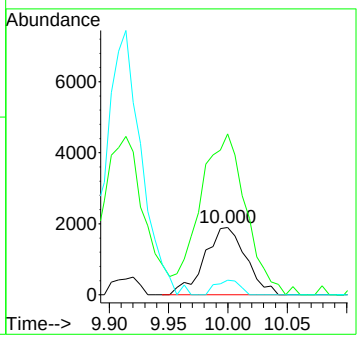


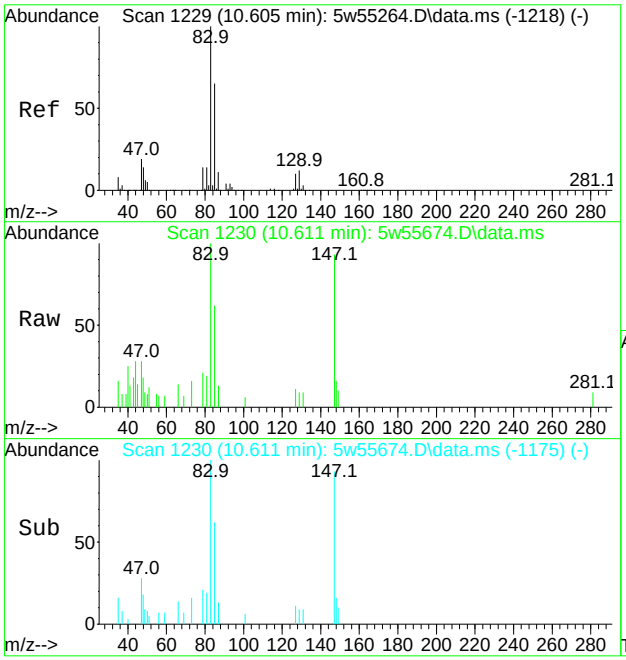


#54
2,3-DIMETHYLPENTANE
Concen: 0.2316 PPBV
RT: 10.000 min Scan# 1130
Delta R.T. -0.000 min
Lab File: 5w55674.D
Acq: 16 Dec 2024 9:45 pm

Tgt Ion: 71 Resp: 4599

Ion	Ratio	Lower	Upper
71	100		
56	266.4	235.4	295.4
85	12.7	0.0	45.3

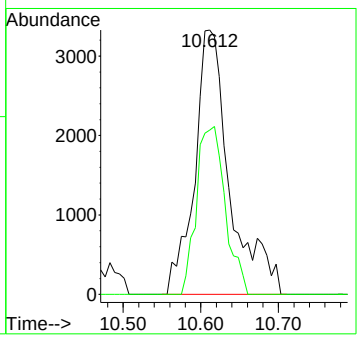


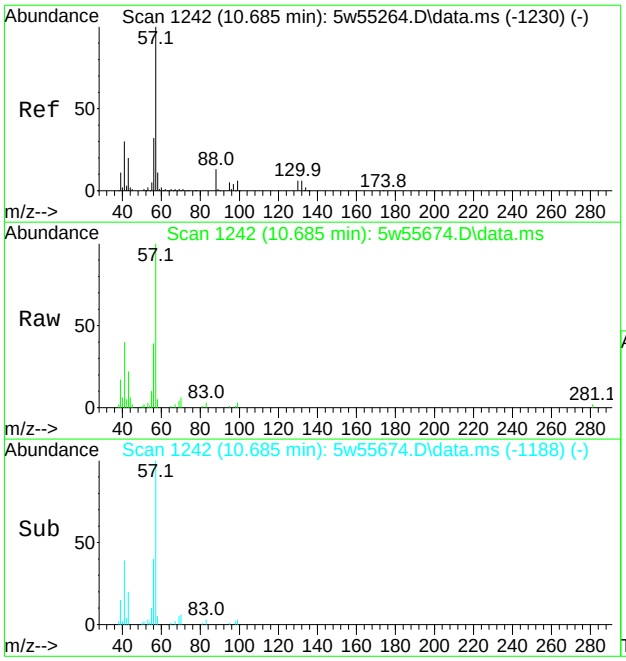


#59
BROMODICHLOROMETHANE
Concen: 0.1167 PPBV
RT: 10.611 min Scan# 1230
Delta R.T. 0.006 min
Lab File: 5w55674.D
Acq: 16 Dec 2024 9:45 pm

Tgt Ion: 83 Resp: 10522

Ion	Ratio	Lower	Upper
83	100		
85	51.4	33.2	93.2

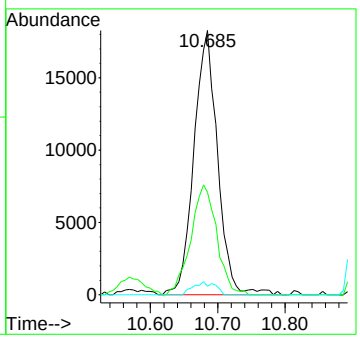


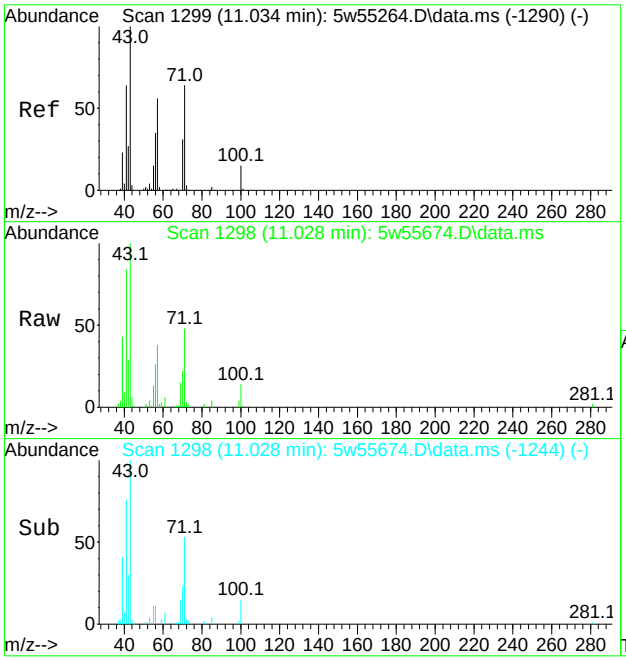


#60
2,2,4-TRIMETHYLPENTANE
Concen: 0.3006 PPBV
RT: 10.685 min Scan# 1242
Delta R.T. -0.000 min
Lab File: 5w55674.D
Acq: 16 Dec 2024 9:45 pm

Tgt Ion: 57 Resp: 44694

Ion	Ratio	Lower	Upper
57	100		
56	45.6	2.2	62.2
99	4.5	0.0	37.6

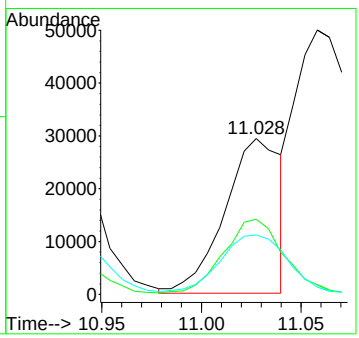


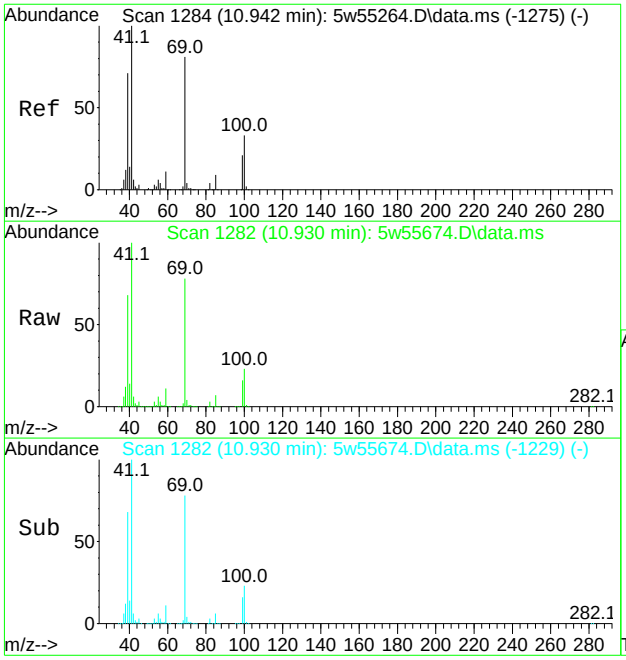


#62
HEPTANE
Concen: 1.1028 PPBV m
RT: 11.028 min Scan# 1298
Delta R.T. -0.000 min
Lab File: 5w55674.D
Acq: 16 Dec 2024 9:45 pm

Tgt Ion: 43 Resp: 57270

Ion	Ratio	Lower	Upper
43	100		
71	41.2	27.2	87.2
57	72.9	22.5	82.5

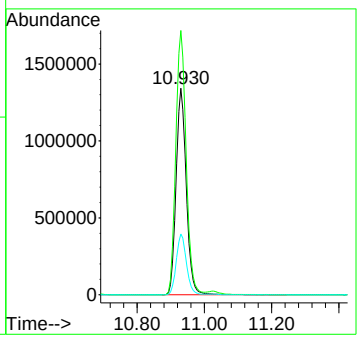


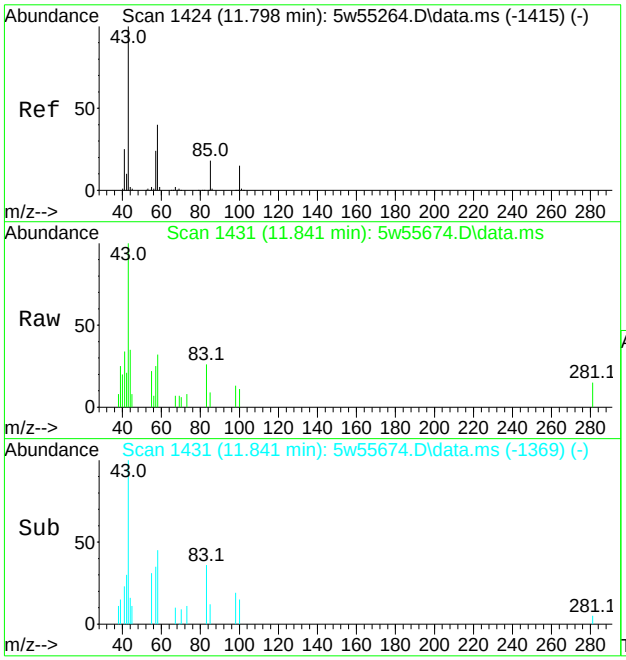


#63
METHYL METHACRYLATE
Concen: 86.5222 PPBV
RT: 10.930 min Scan# 1282
Delta R.T. -0.006 min
Lab File: 5w55674.D
Acq: 16 Dec 2024 9:45 pm

Tgt Ion: 69 Resp: 2816198

Ion	Ratio	Lower	Upper
69	100		
41	132.6	97.3	157.3
100	29.7	3.0	63.0

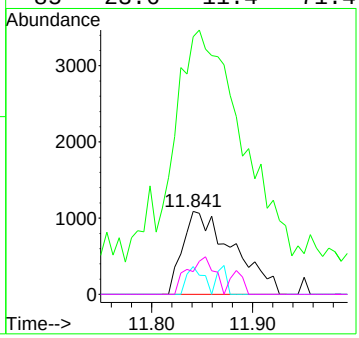


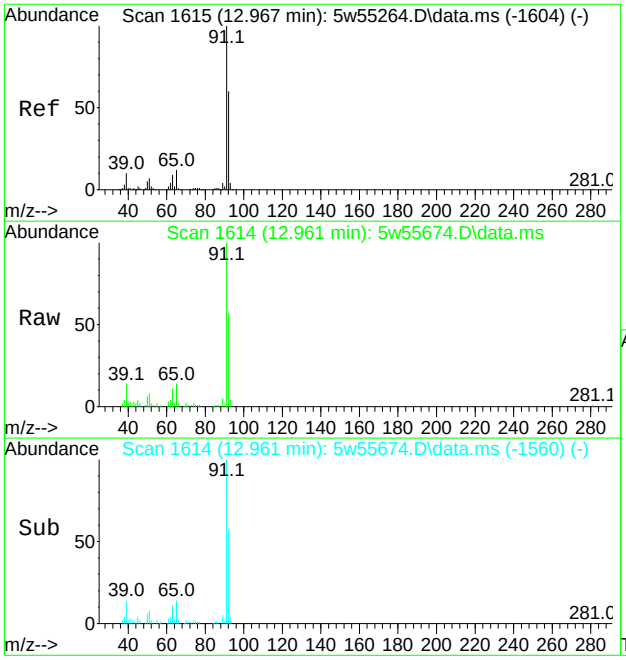


#64
METHYL ISOBUTYL KETONE
Concen: 0.1369 PPBV
RT: 11.841 min Scan# 1431
Delta R.T. 0.049 min
Lab File: 5w55674.D
Acq: 16 Dec 2024 9:45 pm

Tgt Ion: 58 Resp: 3788

Ion	Ratio	Lower	Upper
58	100		
43	338.9	236.1	296.1#
100	10.9	0.7	60.7
85	23.6	11.4	71.4

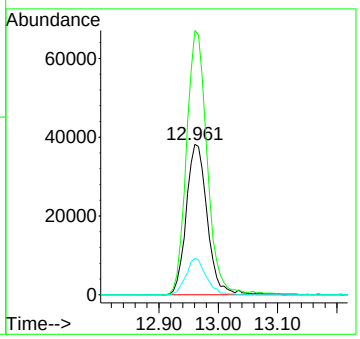


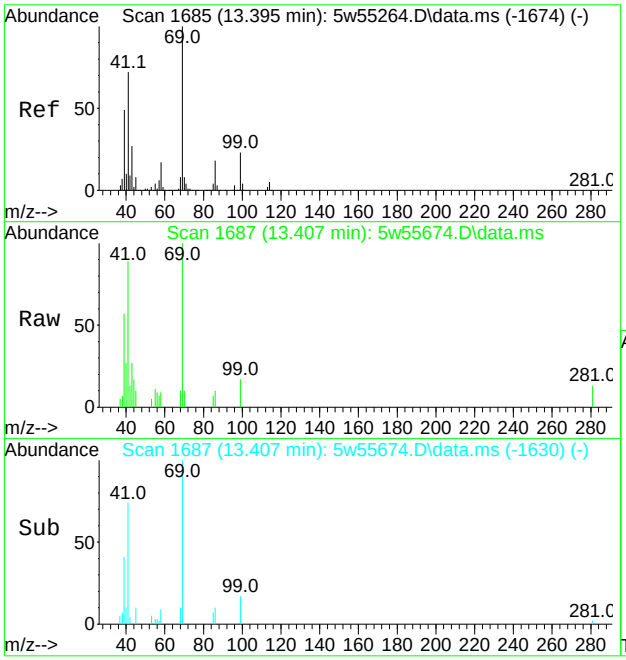


#66
TOLUENE
Concen: 1.3799 PPBV
RT: 12.961 min Scan# 1614
Delta R.T. -0.000 min
Lab File: 5w55674.D
Acq: 16 Dec 2024 9:45 pm

Tgt Ion: 92 Resp: 94499

Ion	Ratio	Lower	Upper
92	100		
91	173.2	143.4	203.4
65	23.2	0.0	53.8

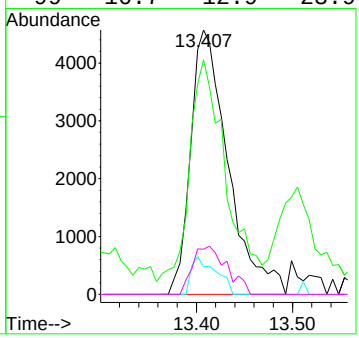


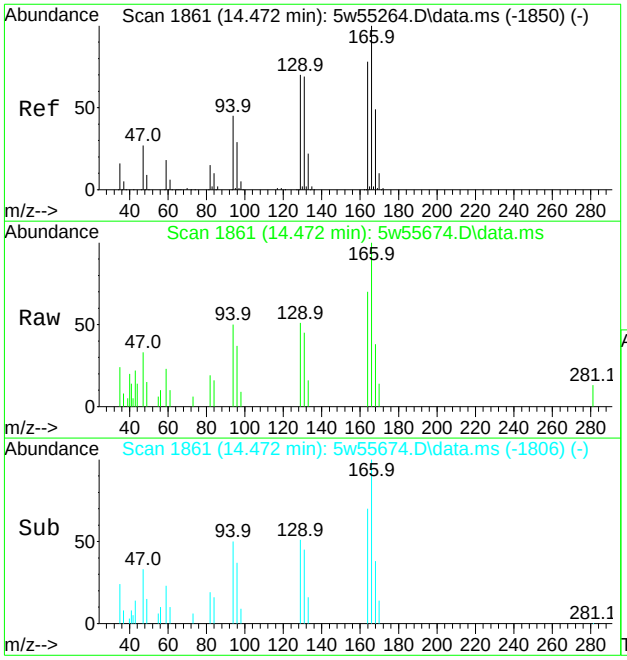


#72
ETHYL METHACRYLATE
Concen: 0.2167 PPBV
RT: 13.407 min Scan# 1687
Delta R.T. 0.018 min
Lab File: 5w55674.D
Acq: 16 Dec 2024 9:45 pm

Tgt Ion: 69 Resp: 12381

Ion	Ratio	Lower	Upper
69	100		
41	71.3	67.8	125.8
86	9.3	11.3	20.9#
99	16.7	12.9	23.9

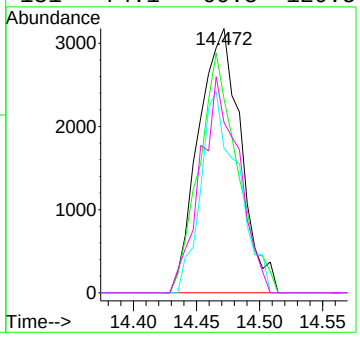


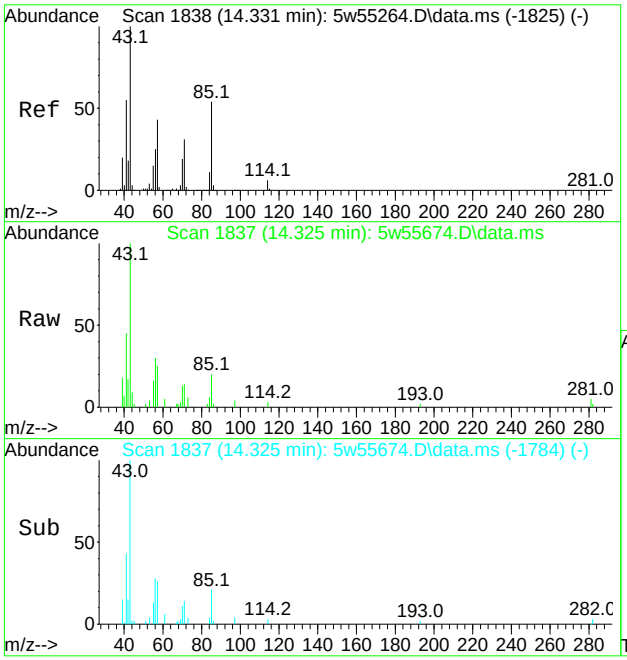


#73
TETRACHLOROETHYLENE
Concen: 0.1371 PPBV
RT: 14.472 min Scan# 1861
Delta R.T. 0.006 min
Lab File: 5w55674.D
Acq: 16 Dec 2024 9:45 pm

Tgt Ion:164 Resp: 7408

Ion	Ratio	Lower	Upper
164	100		
129	82.4	64.4	124.4
168	67.0	31.2	91.2
131	74.1	60.5	120.5

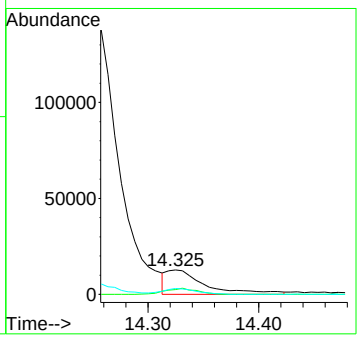


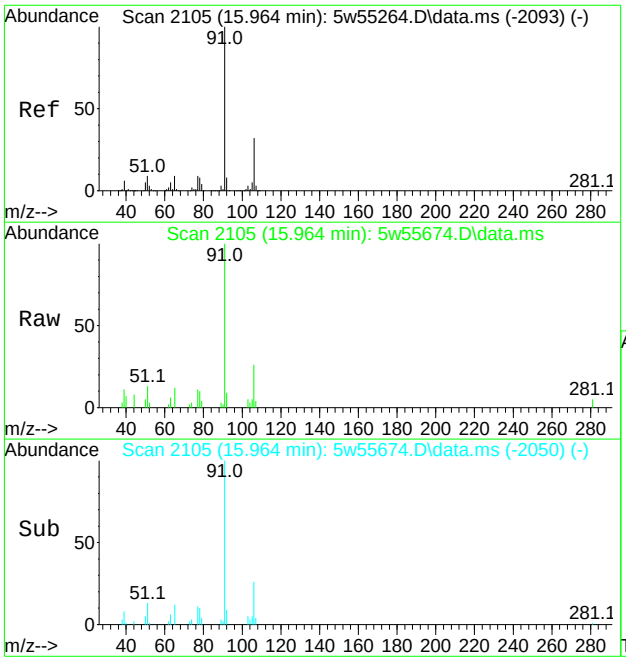


#76
OCTANE
Concen: 0.4238 PPBV m
RT: 14.325 min Scan# 1837
Delta R.T. -0.006 min
Lab File: 5w55674.D
Acq: 16 Dec 2024 9:45 pm

Tgt Ion: 43 Resp: 30796

Ion	Ratio	Lower	Upper
43	100		
85	0.0	13.7	73.7#
57	45.1	9.9	69.9

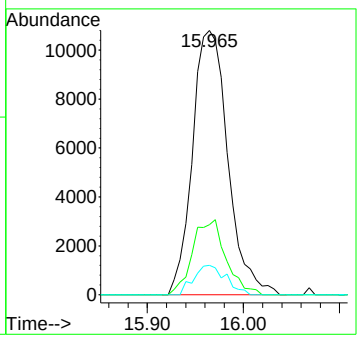


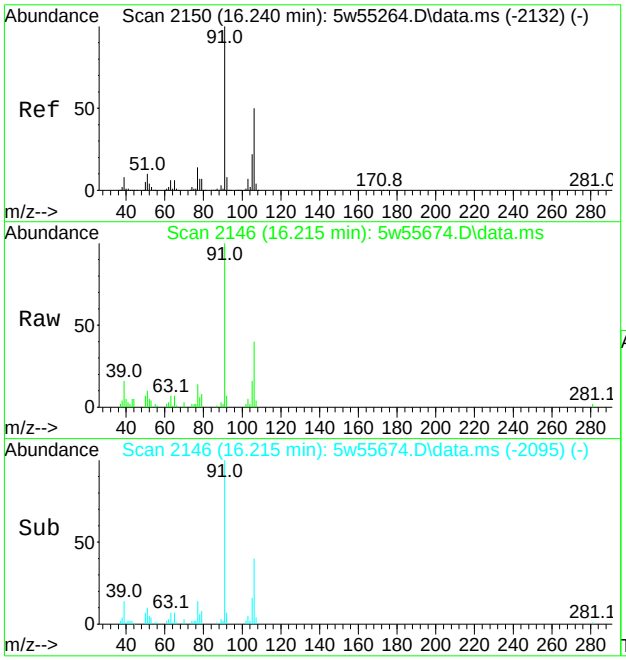


#79
ETHYLBENZENE
Concen: 0.1814 PPBV
RT: 15.964 min Scan# 2105
Delta R.T. 0.006 min
Lab File: 5w55674.D
Acq: 16 Dec 2024 9:45 pm

Tgt Ion: 91 Resp: 27663

Ion	Ratio	Lower	Upper
91	100		
106	26.7	0.0	59.9
77	10.2	0.0	39.1

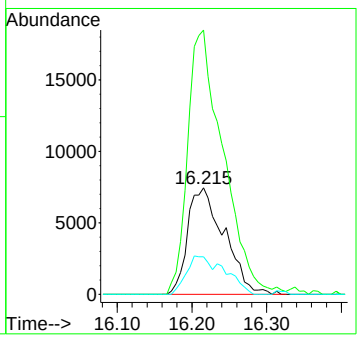


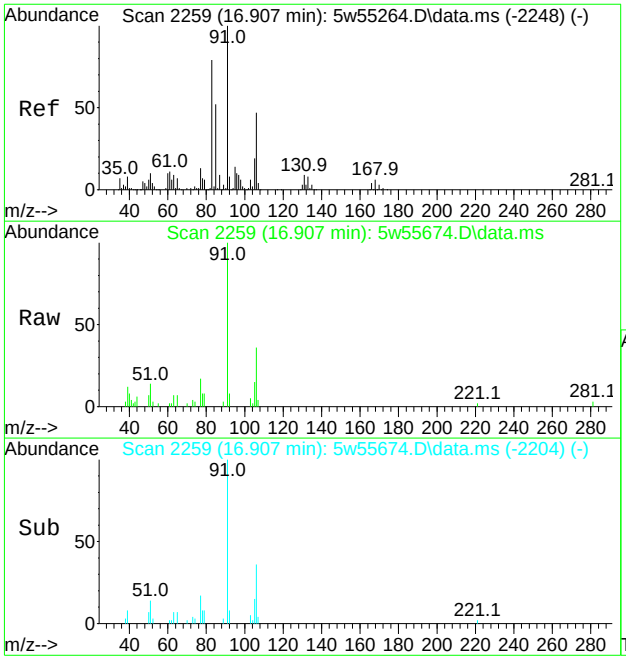


#80
m,p-XYLENE
Concen: 0.4382 PPBV
RT: 16.215 min Scan# 2146
Delta R.T. -0.019 min
Lab File: 5w55674.D
Acq: 16 Dec 2024 9:45 pm

Tgt Ion:106 Resp: 25356

Ion	Ratio	Lower	Upper
106	100		
91	248.2	181.2	241.2#
77	35.2	0.1	60.1

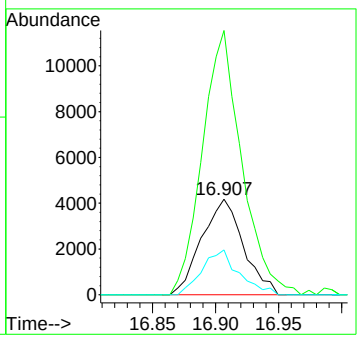


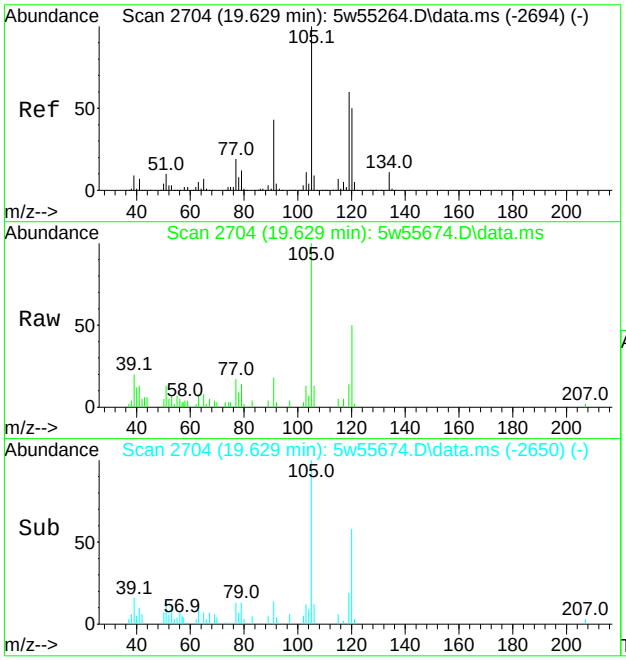


#81
o-XYLENE
Concen: 0.1706 PPBV
RT: 16.907 min Scan# 2259
Delta R.T. 0.006 min
Lab File: 5w55674.D
Acq: 16 Dec 2024 9:45 pm

Tgt Ion:106 Resp: 9583

Ion	Ratio	Lower	Upper
106	100		
91	260.6	193.4	253.4#
77	41.3	0.0	59.8

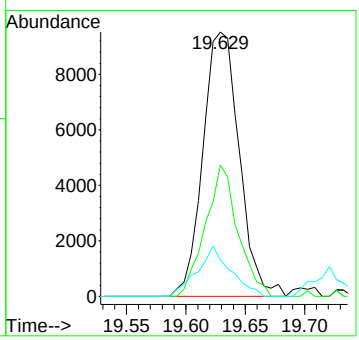


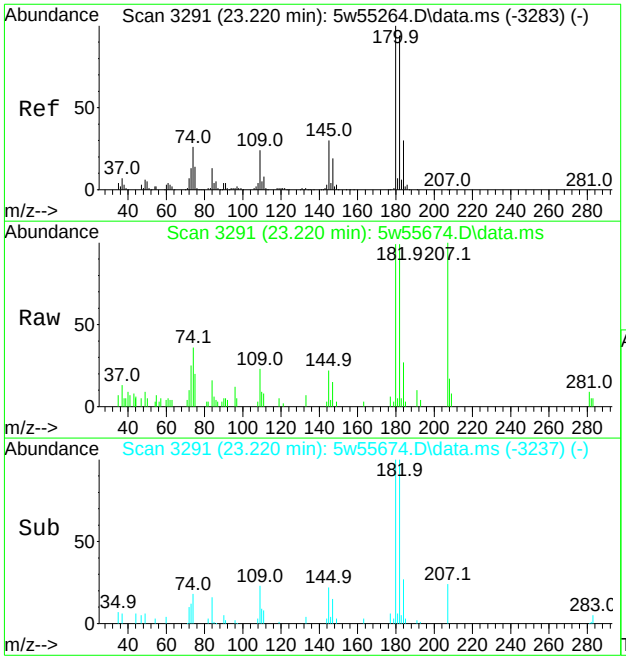


#96
1,2,4-TRIMETHYLBENZENE
Concen: 0.1409 PPBV
RT: 19.629 min Scan# 2704
Delta R.T. -0.000 min
Lab File: 5w55674.D
Acq: 16 Dec 2024 9:45 pm

Tgt Ion:105 Resp: 20263

Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.6	82.6
119	17.5	69.7	129.7#

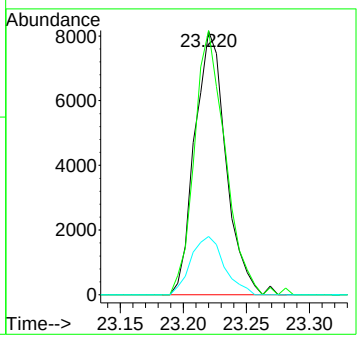


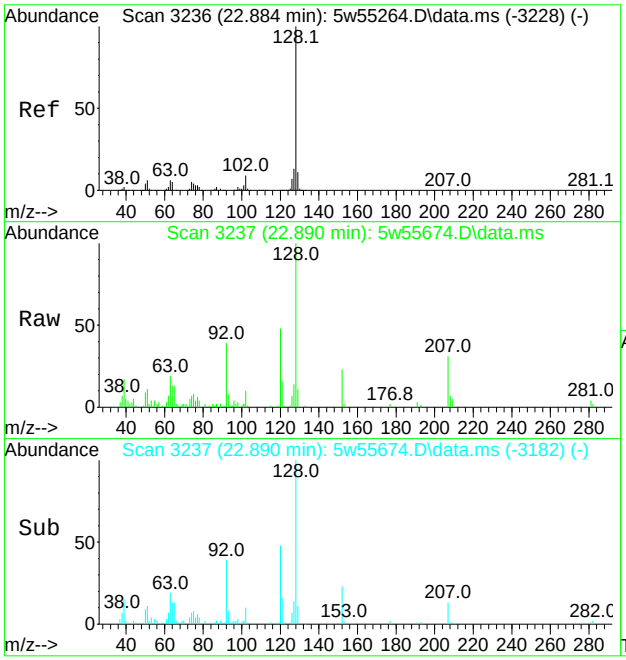


#107
1,2,4-TRICHLOROBENZENE
Concen: 0.1526 PPBV
RT: 23.220 min Scan# 3291
Delta R.T. 0.000 min
Lab File: 5w55674.D
Acq: 16 Dec 2024 9:45 pm

Tgt Ion:180 Resp: 13984

Ion	Ratio	Lower	Upper
180	100		
182	99.0	66.4	126.4
145	23.6	0.2	60.2

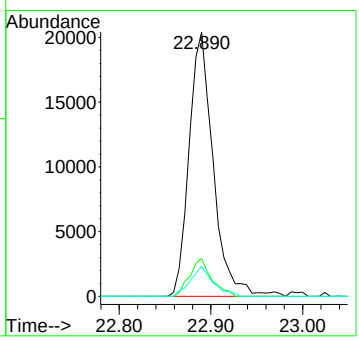




#108
NAPHTHALENE
Concen: 0.1858 PPBV
RT: 22.890 min Scan# 3237
Delta R.T. 0.006 min
Lab File: 5w55674.D
Acq: 16 Dec 2024 9:45 pm

Tgt Ion:128 Resp: 37367

Ion	Ratio	Lower	Upper
128	100		
127	13.1	0.0	43.1
129	10.7	0.0	41.1



Manual Integration Approval Summary

Sample Number: JE2487-4
Lab FileID: 5W55674.D
Injection Time: 12/16/24 21:45

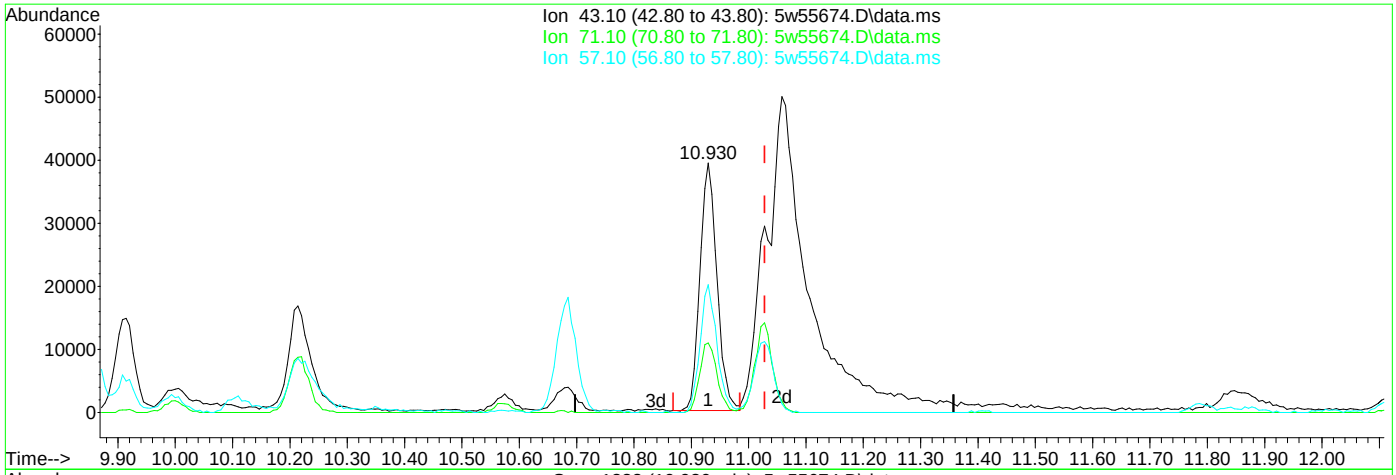
Method: TO-15
Analyst approved: 12/17/24 19:19 Kristel Valladolid
Supervisor approved: 12/18/24 22:00 Kanya Veerawat

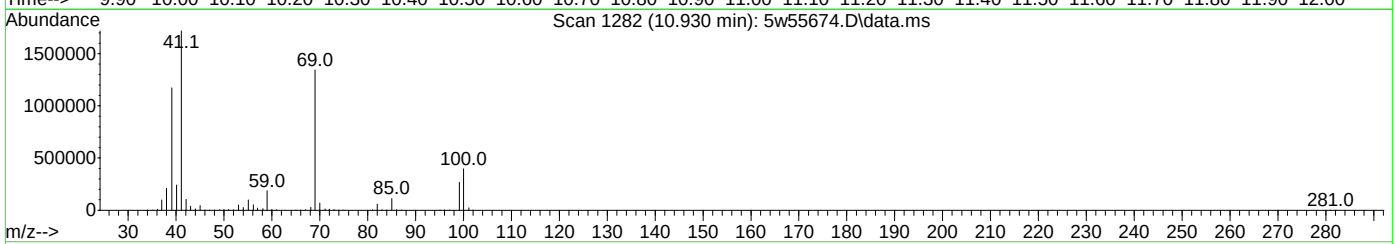
Parameter	CAS	Sig#	R.T. (min.)	Reason
Heptane	142-82-5		11.03	Overlapping peak
Octane	111-65-9		14.32	Overlapping peak

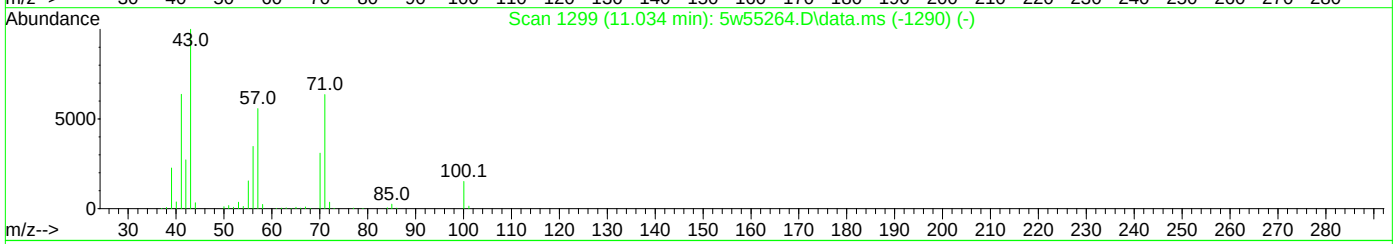
Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\luckyc\17 December 2024\v5w2132\
Data File : 5w55674.D
Acq On : 16 Dec 2024 9:45 pm
Operator : thomash
Sample : je2487-2 Inst : GCMS5W
Misc : MS88104,V5W2132,500,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 17 11:31:01 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration







TIC: 5w55674.D\data.ms

(62) HEPTANE

10.930min (-0.098) 1.56PPBV

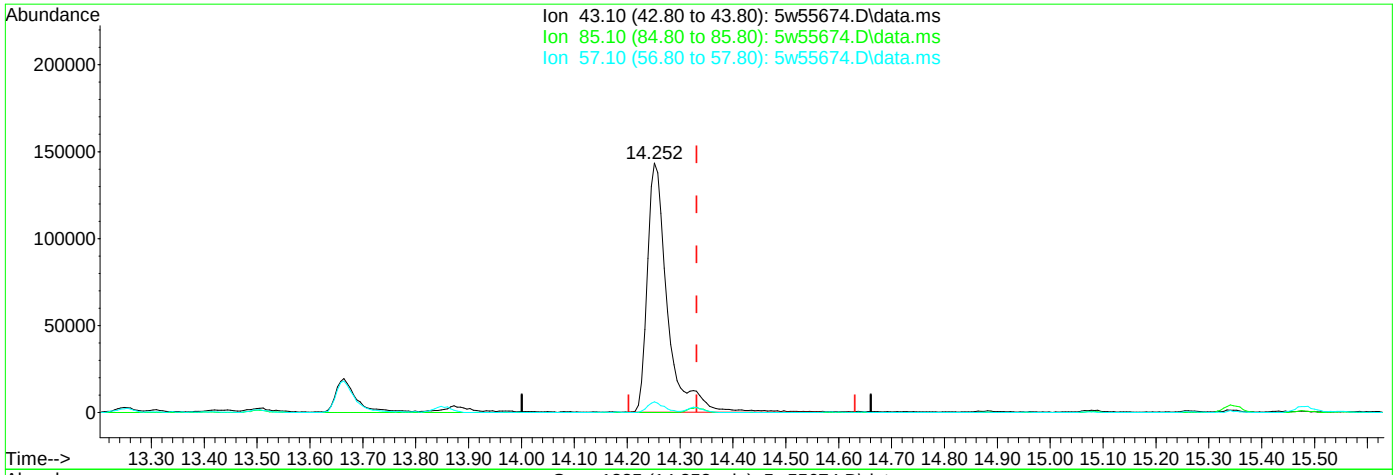
response 80893

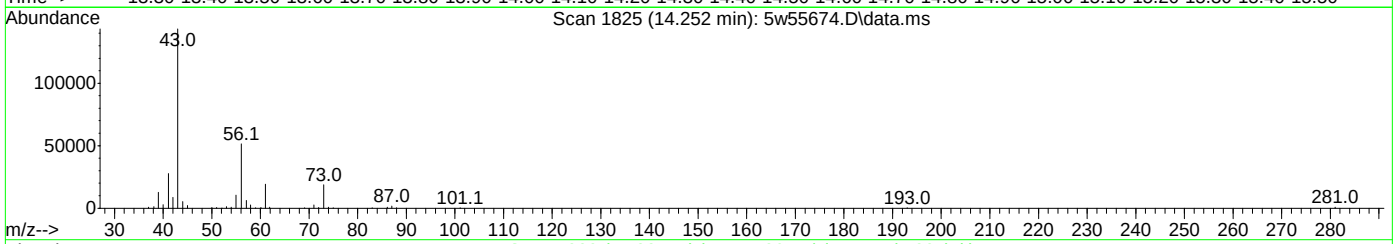
Ion	Exp%	Act%
43.10	100	100
71.10	57.20	29.16
57.10	52.50	51.59
0.00	0.00	0.00

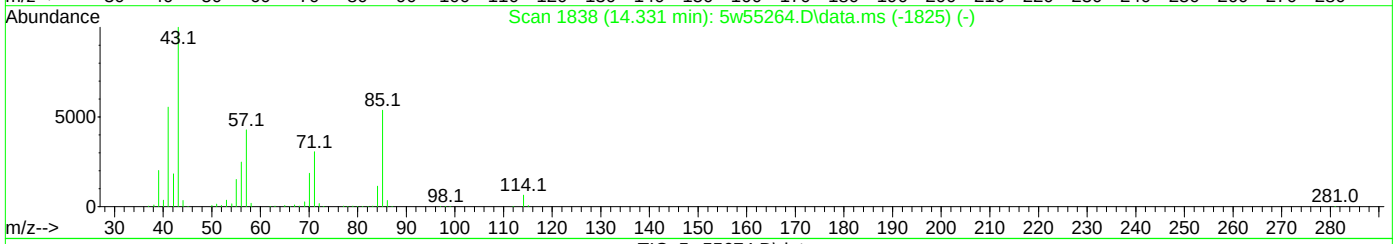
Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\luckyc\17 December 2024\v5w2132\
Data File : 5w55674.D
Acq On : 16 Dec 2024 9:45 pm
Operator : thomash
Sample : je2487-2 Inst : GCMS5W
Misc : MS88104,V5W2132,500,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 17 11:57:17 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration







TIC: 5w55674.D\data.ms

(76) OCTANE

14.252min (-0.080) 5.24PPBV

response 380832

Ion	Exp%	Act%
43.10	100	100
85.10	43.70	0.00#
57.10	39.90	3.64#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\121924\v5w2133\
Data File : 5w55725.D
Acq On : 18 Dec 2024 3:40 pm
Operator : thomash
Sample : je2487-4 Inst : GCMS5W
Misc : MS88104,V5W2133,20,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 19 00:30:27 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

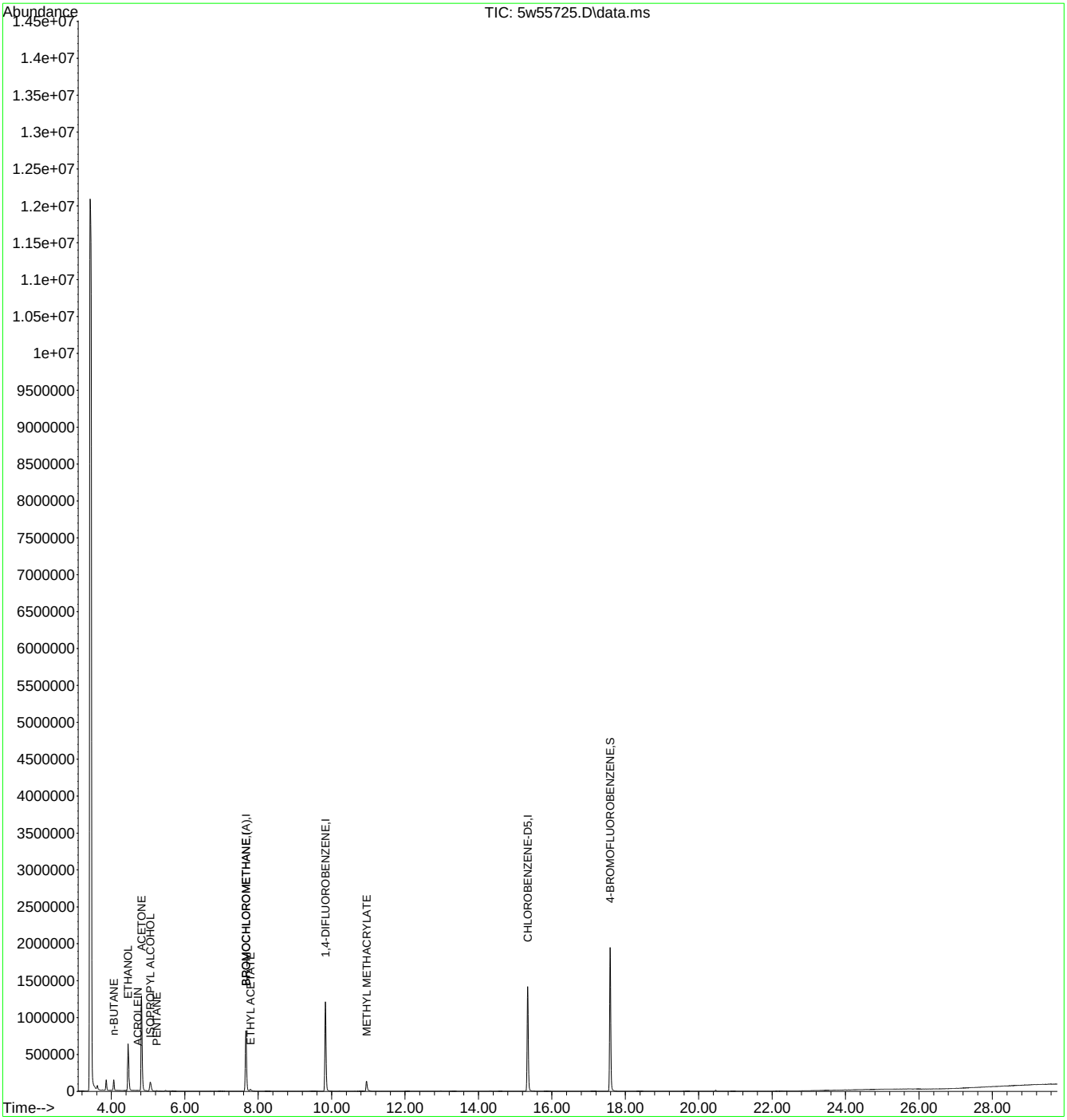
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	7.663	128	201759	10.00	PPBV	# 0.00
51) 1,4-DIFLUOROBENZENE	9.829	114	999601	10.00	PPBV	0.00
70) CHLOROBENZENE-D5	15.341	82	548542	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	7.663	128	201759	10.00	PPBV	# 0.00
System Monitoring Compounds						
85) 4-BROMOFLUOROBENZENE	17.586	95	675004	11.00	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 110.00%			
Target Compounds						Qvalue
13) n-BUTANE	4.066	43	123936	2.8754	PPBV	96
18) ACROLEIN	4.720	56	1412	0.1299	PPBV #	37
22) ISOPROPYL ALCOHOL	5.057	45	228742	5.2985	PPBV	94
23) ACETONE	4.818	58	449914	27.6485	PPBV #	78
24) PENTANE	5.234	42	4068	0.1897	PPBV	91
28) ETHANOL	4.457	45	823764	52.0638	PPBV	99
44) ETHYL ACETATE	7.791	61	4921	0.7622	PPBV #	64
63) METHYL METHACRYLATE	10.948	69	66791	2.7729	PPBV	81

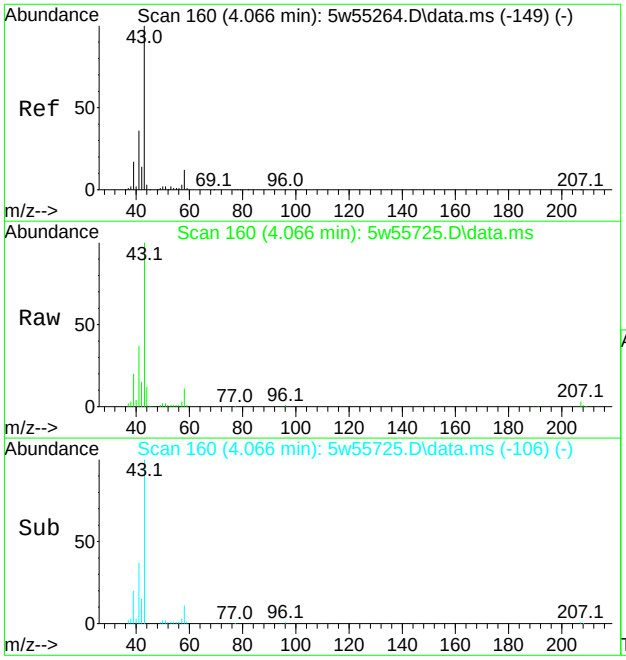
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\121924\v5w2133\
Data File : 5w55725.D
Acq On : 18 Dec 2024 3:40 pm
Operator : thomash
Sample : je2487-4 Inst : GCMS5W
Misc : MS88104,V5W2133,20,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 19 00:30:27 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

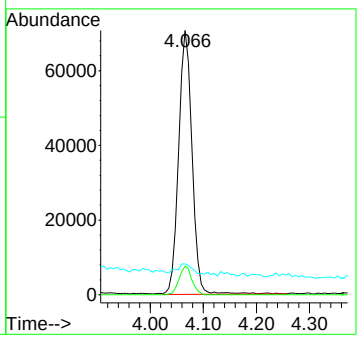


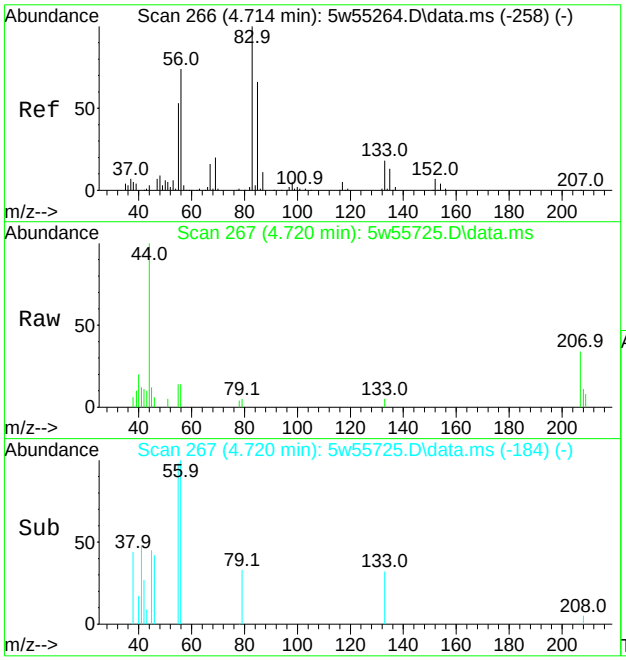


#13
n-BUTANE
Concen: 2.8754 PPBV
RT: 4.066 min Scan# 160
Delta R.T. -0.000 min
Lab File: 5w55725.D
Acq: 18 Dec 2024 3:40 pm

Tgt Ion: 43 Resp: 123936

Ion	Ratio	Lower	Upper
43	100		
58	10.4	0.0	41.6
44	6.9	0.0	34.7

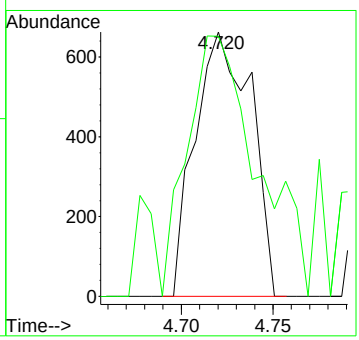


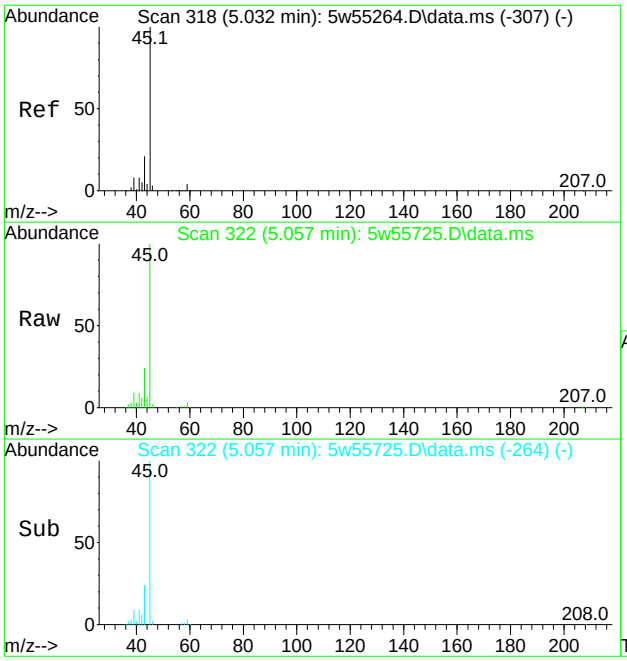


#18
ACROLEIN
Concen: 0.1299 PPBV
RT: 4.720 min Scan# 267
Delta R.T. 0.006 min
Lab File: 5w55725.D
Acq: 18 Dec 2024 3:40 pm

Tgt Ion: 56 Resp: 1412

Ion	Ratio	Lower	Upper
56	100		
55	123.4	49.8	92.6#

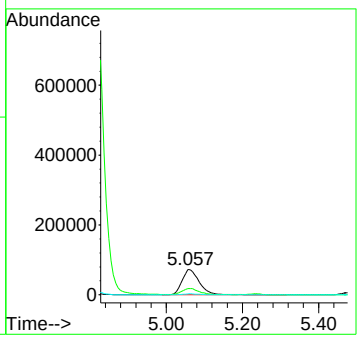


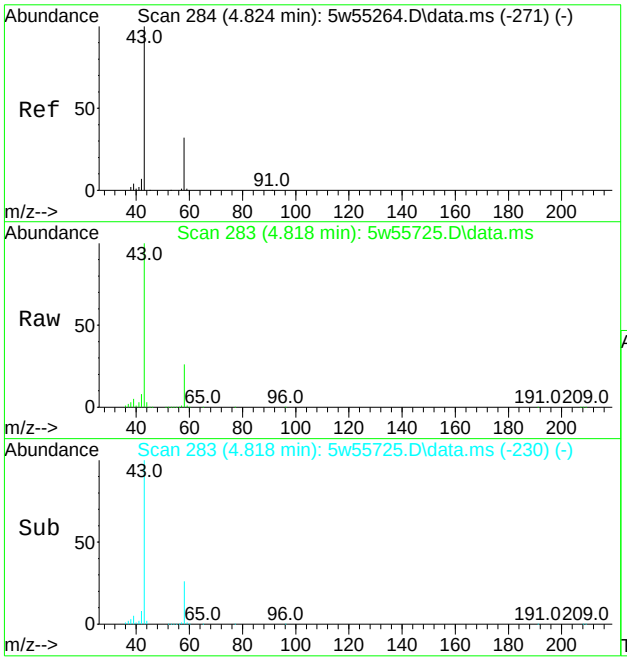


#22
ISOPROPYL ALCOHOL
Concen: 5.2985 PPBV
RT: 5.057 min Scan# 322
Delta R.T. 0.024 min
Lab File: 5w55725.D
Acq: 18 Dec 2024 3:40 pm

Tgt Ion: 45 Resp: 228742

Ion	Ratio	Lower	Upper
45	100		
43	24.1	0.0	50.8
59	3.3	0.0	33.8

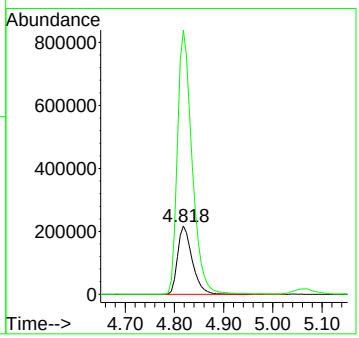


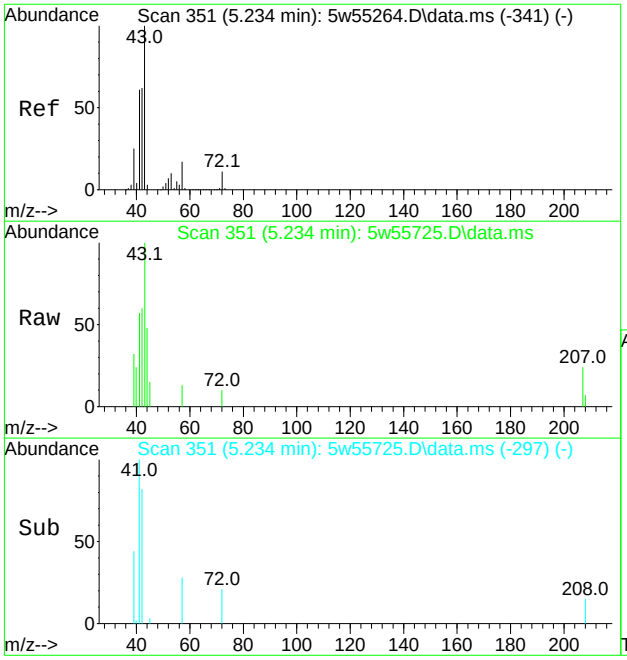


#23
ACETONE
Concen: 27.6485 PPBV
RT: 4.818 min Scan# 283
Delta R.T. -0.006 min
Lab File: 5w55725.D
Acq: 18 Dec 2024 3:40 pm

Tgt Ion: 58 Resp: 449914

Ion	Ratio	Lower	Upper
58	100		
43	388.5	312.3	372.3#

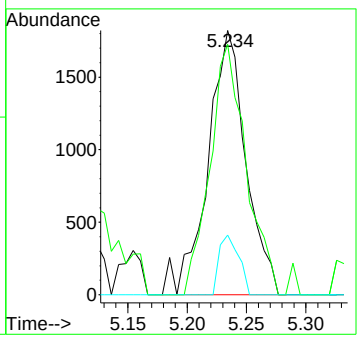


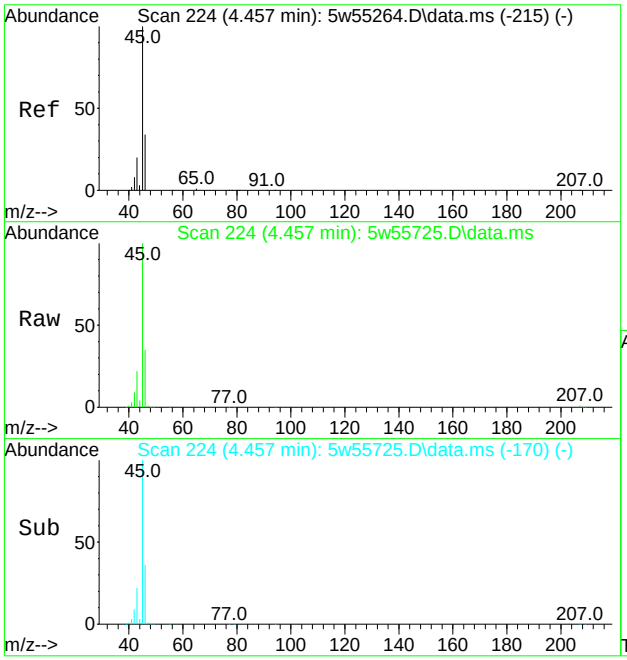


#24
PENTANE
Concen: 0.1897 PPBV
RT: 5.234 min Scan# 351
Delta R.T. -0.000 min
Lab File: 5w55725.D
Acq: 18 Dec 2024 3:40 pm

Tgt Ion: 42 Resp: 4068

Ion	Ratio	Lower	Upper
42	100		
41	89.9	64.4	124.4
57	11.7	0.0	55.0

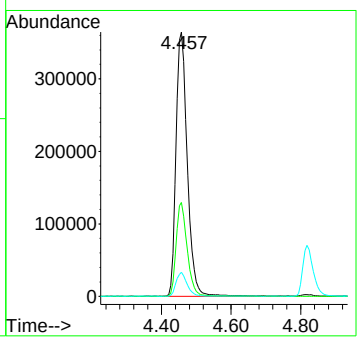


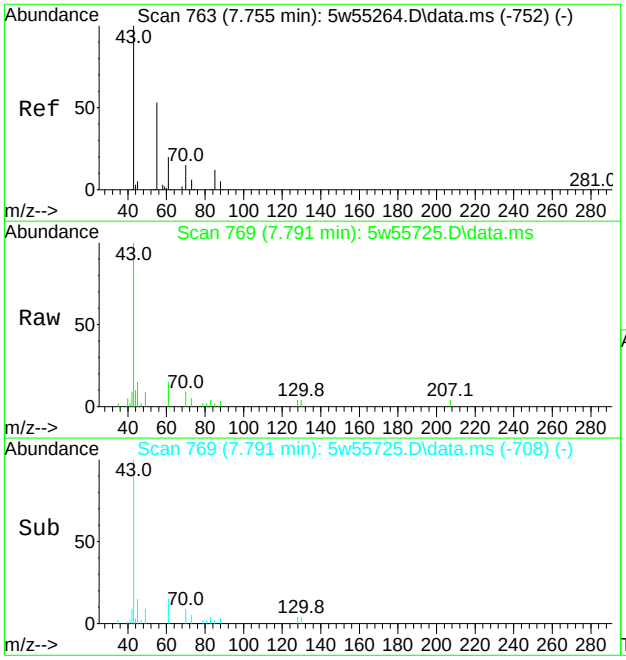


#28
ETHANOL
Concen: 52.0638 PPBV
RT: 4.457 min Scan# 224
Delta R.T. -0.000 min
Lab File: 5w55725.D
Acq: 18 Dec 2024 3:40 pm

Tgt Ion: 45 Resp: 823764

Ion	Ratio	Lower	Upper
45	100		
46	34.8	4.5	64.5
42	8.9	0.0	38.6

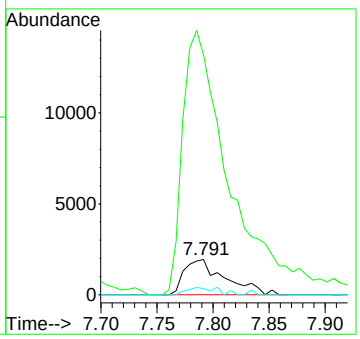


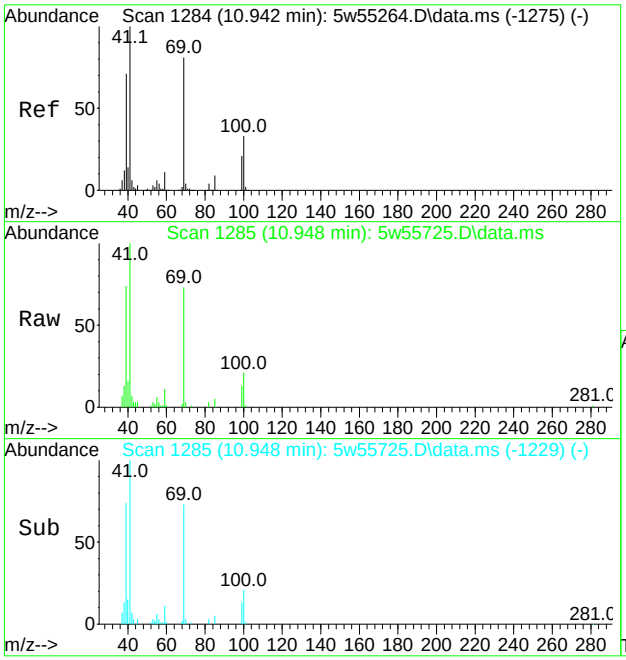


#44
ETHYL ACETATE
Concen: 0.7622 PPBV
RT: 7.791 min Scan# 769
Delta R.T. 0.043 min
Lab File: 5w55725.D
Acq: 18 Dec 2024 3:40 pm

Tgt Ion: 61 Resp: 4921

Ion	Ratio	Lower	Upper
61	100		
43	928.7	0.0	30.0#
88	15.9	7.3	67.3

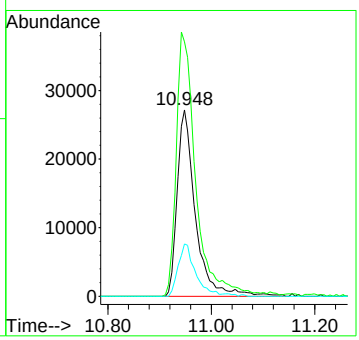




#63
METHYL METHACRYLATE
Concen: 2.7729 PPBV
RT: 10.948 min Scan# 1285
Delta R.T. 0.012 min
Lab File: 5w55725.D
Acq: 18 Dec 2024 3:40 pm

Tgt Ion: 69 Resp: 66791

Ion	Ratio	Lower	Upper
69	100		
41	151.7	97.3	157.3
100	27.3	3.0	63.0



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-20-2024\V5w2135\
Data File : 5w55770.D
Acq On : 20 Dec 2024 5:43 am
Operator : thomash
Sample : je2487-5 Inst : GCMS5W
Misc : MS88104,V5W2135,400,,,,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 20 17:22:07 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

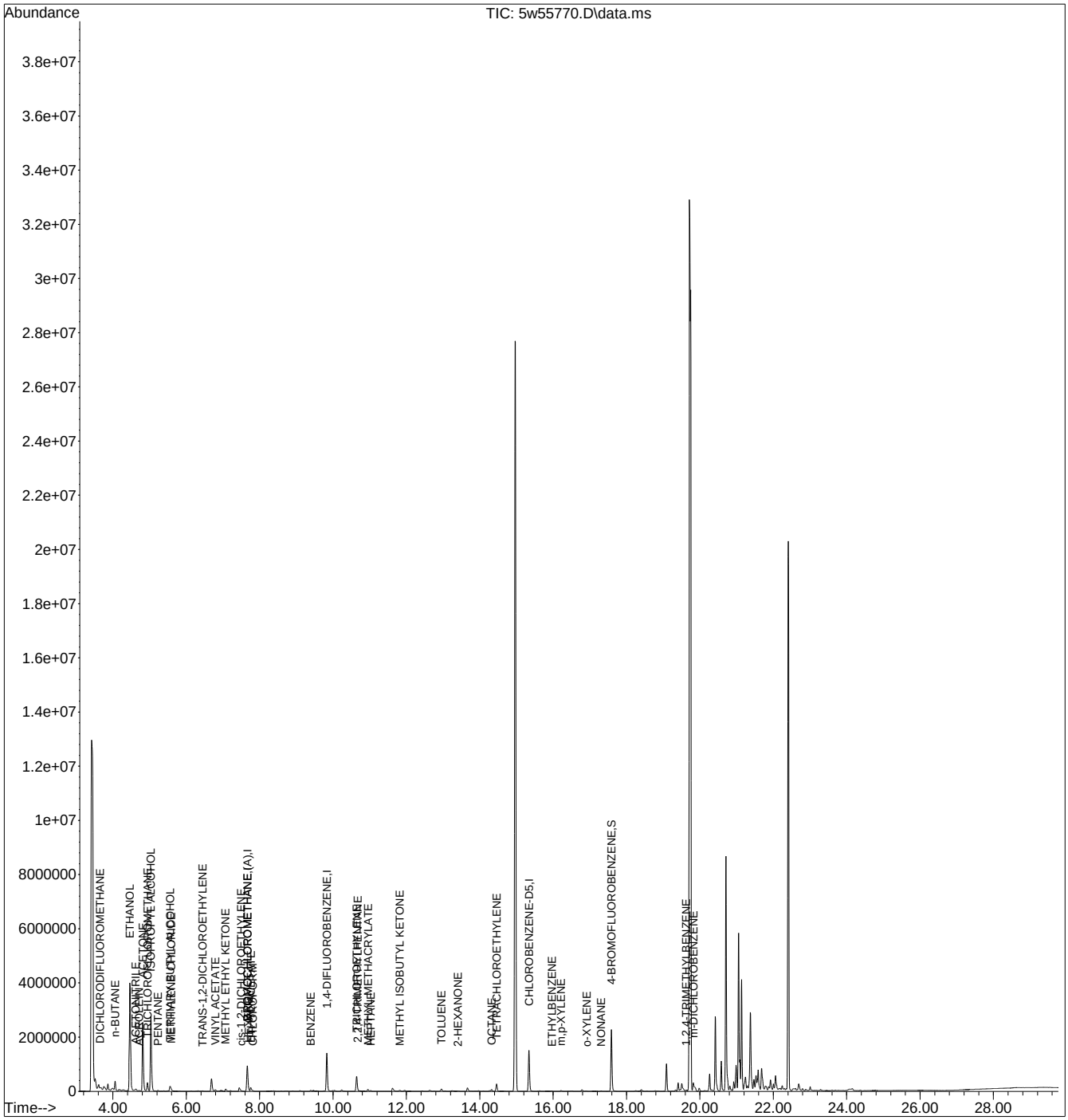
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	7.663	128	240627	10.00	PPBV	# 0.00
51) 1,4-DIFLUOROBENZENE	9.828	114	1181267	10.00	PPBV	0.00
70) CHLOROBENZENE-D5	15.340	82	594136	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	7.663	128	240627	10.00	PPBV	# 0.00
System Monitoring Compounds						
85) 4-BROMOFLUOROBENZENE	17.586	95	797543	11.99	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 119.90%			
Target Compounds						Qvalue
6) DICHLORODIFLUOROMETHANE	3.650	85	48186	0.5480	PPBV	91
13) n-BUTANE	4.059	43	248057	4.8254	PPBV	87
17) ACETONITRILE	4.616	41	9061	0.3052	PPBV #	75
18) ACROLEIN	4.708	56	11016	0.8496	PPBV	88
21) TRICHLOROFLUOROMETHANE	4.940	101	246371	3.0318	PPBV	99
22) ISOPROPYL ALCOHOL	5.032	45	3869747	75.1581	PPBV	99
23) ACETONE	4.812	58	882766	45.4858	PPBV #	80
24) PENTANE	5.228	42	15033	0.5877	PPBV	97
28) ETHANOL	4.463	45	5395490	285.9254	PPBV	99
31) METHYLENE CHLORIDE	5.589	84	15065	0.5969	PPBV	84
34) TRANS-1,2-DICHLOROETHY...	6.445	96	5405	0.2031	PPBV	92
35) TERTIARY BUTYL ALCOHOL	5.558	59	236516	4.8833	PPBV	89
38) HEXANE	7.699	57	22592	0.5992	PPBV	95
39) VINYL ACETATE	6.794	86	4388	1.0182	PPBV #	71
41) METHYL ETHYL KETONE	7.069	72	29718	2.8472	PPBV	89
42) cis-1,2-DICHLOROETHYLENE	7.491	96	3914	0.1417	PPBV	93
44) ETHYL ACETATE	7.761	61	24335	3.1605	PPBV #	74
46) CHLOROFORM	7.810	83	10426	0.1688	PPBV	94
52) BENZENE	9.394	78	40168	0.4691	PPBV	99
55) TRICHLOROETHYLENE	10.642	95	202867	4.4944	PPBV	91
60) 2,2,4-TRIMETHYLPENTANE	10.673	57	22283	0.1714	PPBV #	65
62) HEPTANE	11.028	43	16496	0.3632	PPBV	79
63) METHYL METHACRYLATE	10.948	69	36780	1.2922	PPBV	97
64) METHYL ISOBUTYL KETONE	11.817	58	5226	0.2160	PPBV #	46
66) TOLUENE	12.955	92	39365	0.6573	PPBV	95
71) 2-HEXANONE	13.401	58	5974	0.2131	PPBV #	26
73) TETRACHLOROETHYLENE	14.460	164	69908	1.8014	PPBV	85
76) OCTANE	14.325	43	35057	0.6718	PPBV	89
79) ETHYLBENZENE	15.964	91	12211	0.1115	PPBV	93
80) m,p-XYLENE	16.209	106	12437	0.2992	PPBV	95
81) o-XYLENE	16.913	106	4832	0.1198	PPBV	86
83) NONANE	17.304	43	11816	0.2170	PPBV #	91
96) 1,2,4-TRIMETHYLBENZENE	19.623	105	10674	0.1033	PPBV #	34
97) m-DICHLOROBENZENE	19.819	146	36355	0.4469	PPBV	99

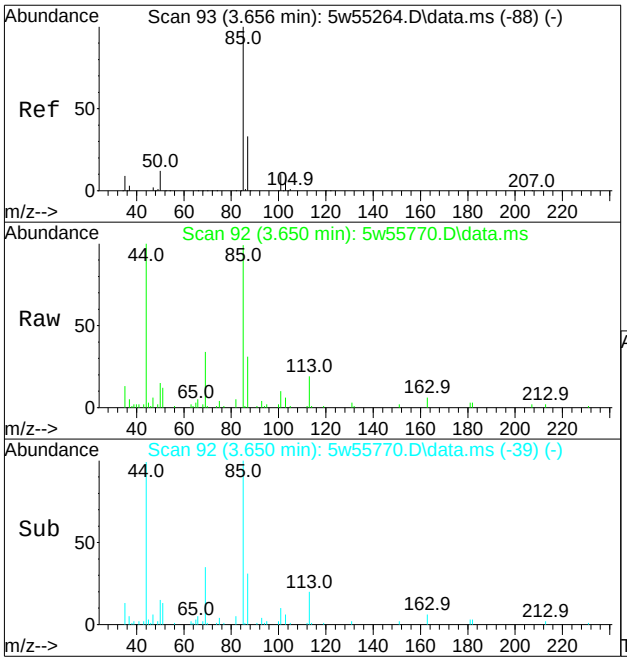
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-20-2024\V5w2135\
Data File : 5w55770.D
Acq On : 20 Dec 2024 5:43 am
Operator : thomash
Sample : je2487-5 Inst : GCMS5W
Misc : MS88104,V5W2135,400,,,,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 20 17:22:07 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

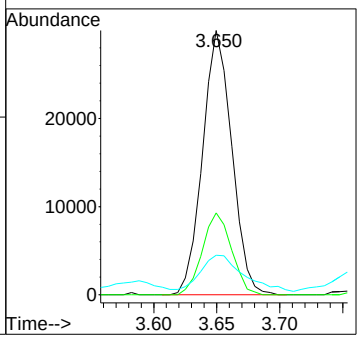


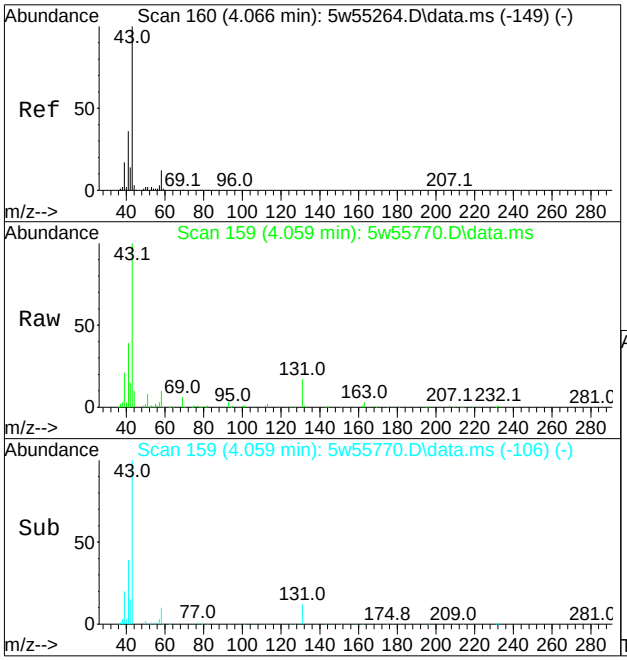


#6
DICHLORODIFLUOROMETHANE
Concen: 0.5480 PPBV
RT: 3.650 min Scan# 92
Delta R.T. -0.006 min
Lab File: 5w55770.D
Acq: 20 Dec 2024 5:43 am

Tgt Ion: 85 Resp: 48186

Ion	Ratio	Lower	Upper
85	100		
87	30.8	2.6	62.6
50	22.2	0.0	43.0

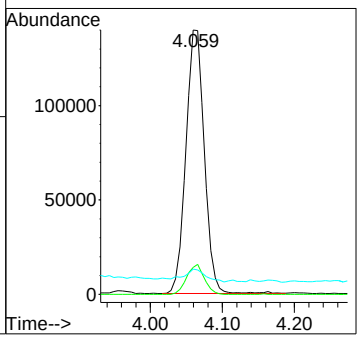


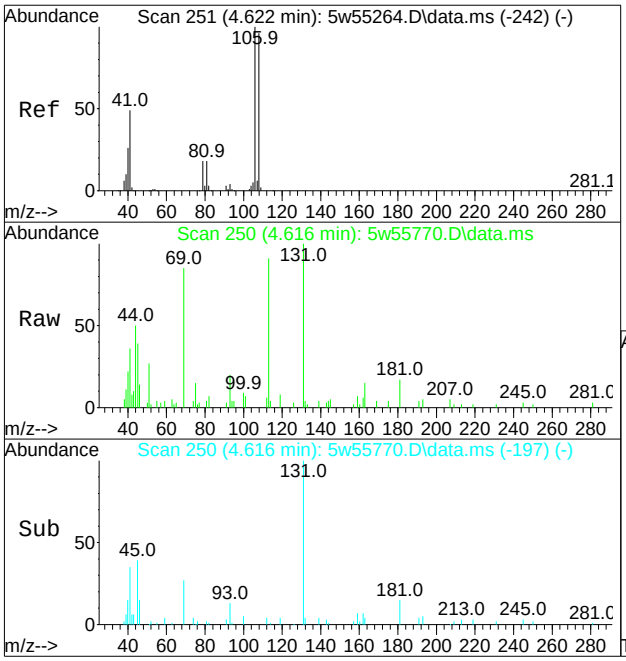


#13
n-BUTANE
Concen: 4.8254 PPBV
RT: 4.059 min Scan# 159
Delta R.T. -0.006 min
Lab File: 5w55770.D
Acq: 20 Dec 2024 5:43 am

Tgt Ion: 43 Resp: 248057

Ion	Ratio	Lower	Upper
43	100		
58	10.9	0.0	41.6
44	17.8	0.0	34.7

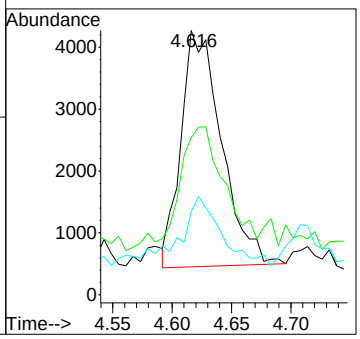


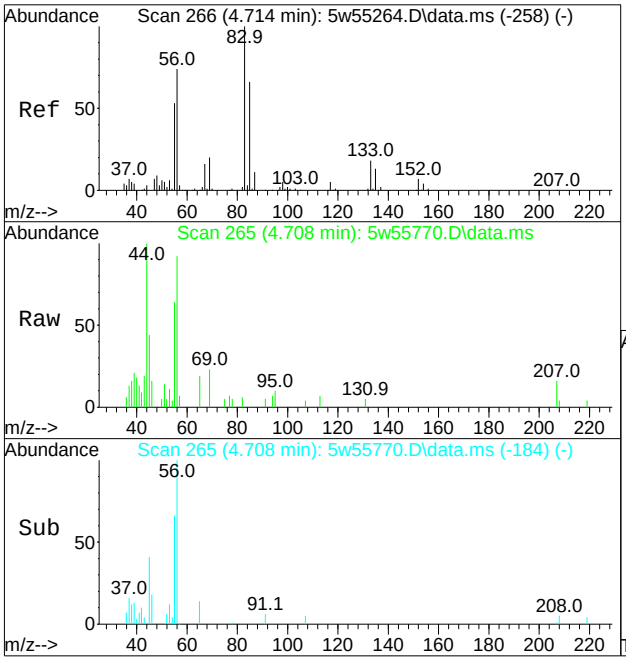


#17
ACETONITRILE
Concen: 0.3052 PPBV
RT: 4.616 min Scan# 250
Delta R.T. -0.006 min
Lab File: 5w55770.D
Acq: 20 Dec 2024 5:43 am

Tgt Ion: 41 Resp: 9061

Ion	Ratio	Lower	Upper
41	100		
40	72.7	38.4	71.4#
39	32.0	13.7	25.5#

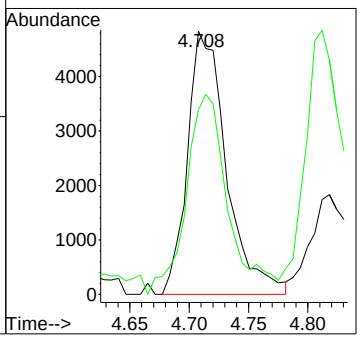


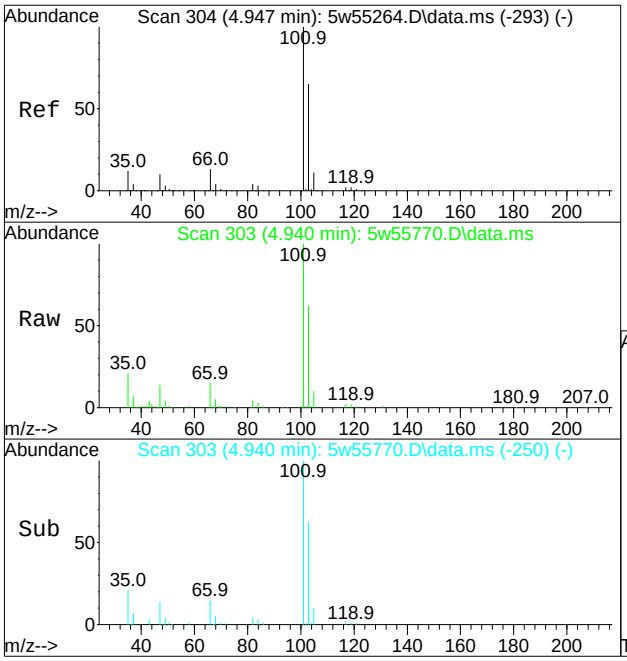


#18
ACROLEIN
Concen: 0.8496 PPBV
RT: 4.708 min Scan# 265
Delta R.T. -0.006 min
Lab File: 5w55770.D
Acq: 20 Dec 2024 5:43 am

Tgt Ion: 56 Resp: 11016

Ion	Ratio	Lower	Upper
56	100		
55	81.2	49.8	92.6

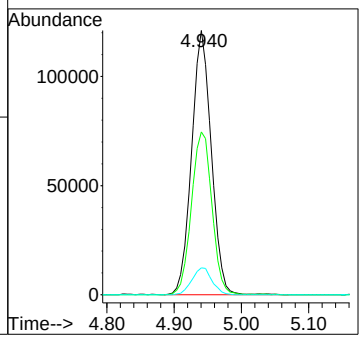


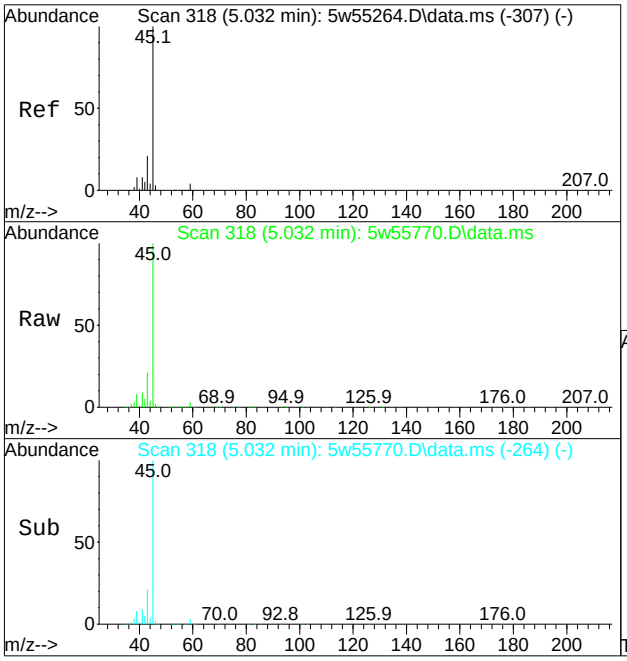


#21
TRICHLOROFLUOROMETHANE
Concen: 3.0318 PPBV
RT: 4.940 min Scan# 303
Delta R.T. -0.006 min
Lab File: 5w55770.D
Acq: 20 Dec 2024 5:43 am

Tgt Ion:101 Resp: 246371

Ion	Ratio	Lower	Upper
101	100		
103	64.2	34.7	94.7
105	10.4	0.0	40.5

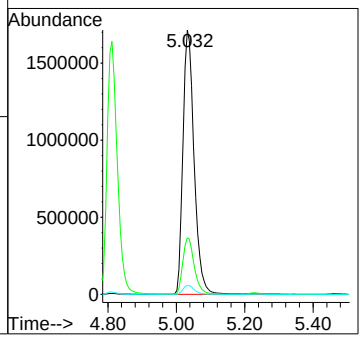


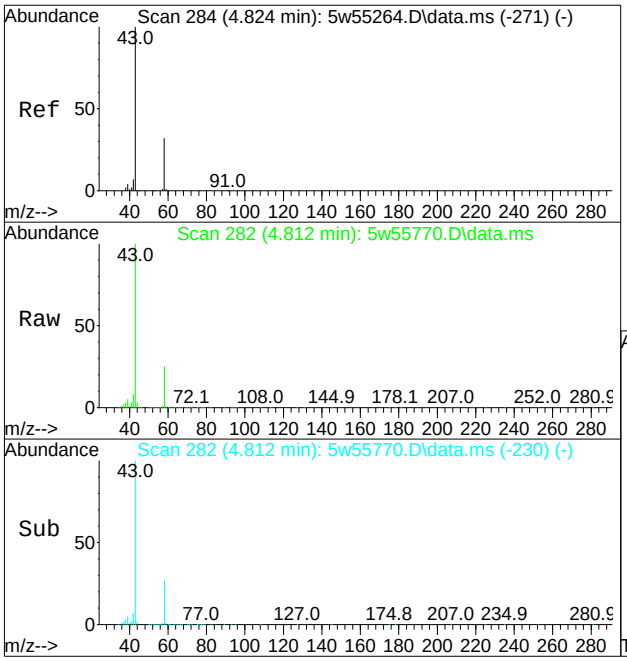


#22
ISOPROPYL ALCOHOL
Concen: 75.1581 PPBV
RT: 5.032 min Scan# 318
Delta R.T. -0.000 min
Lab File: 5w55770.D
Acq: 20 Dec 2024 5:43 am

Tgt Ion: 45 Resp: 3869747

Ion	Ratio	Lower	Upper
45	100		
43	21.4	0.0	50.8
59	3.4	0.0	33.8

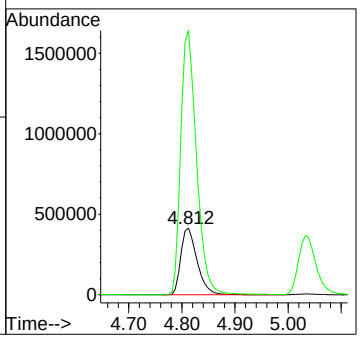


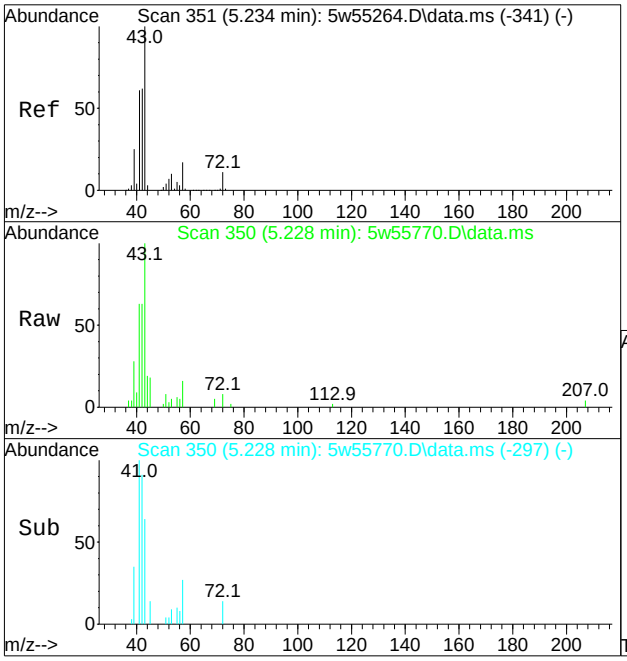


#23
ACETONE
Concen: 45.4858 PPBV
RT: 4.812 min Scan# 282
Delta R.T. -0.012 min
Lab File: 5w55770.D
Acq: 20 Dec 2024 5:43 am

Tgt Ion: 58 Resp: 882766

Ion	Ratio	Lower	Upper
58	100		
43	384.7	312.3	372.3#

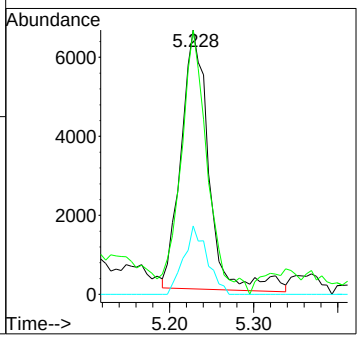


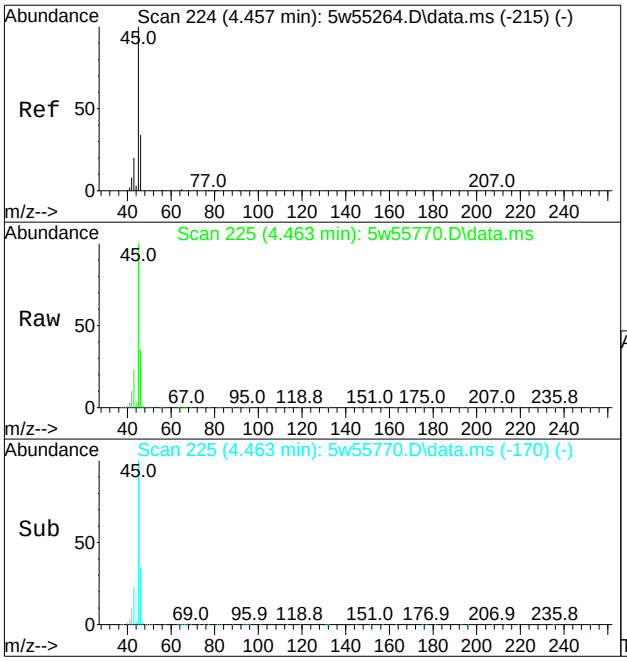


#24
PENTANE
Concen: 0.5877 PPBV
RT: 5.228 min Scan# 350
Delta R.T. -0.006 min
Lab File: 5w55770.D
Acq: 20 Dec 2024 5:43 am

Tgt Ion: 42 Resp: 15033

Ion	Ratio	Lower	Upper
42	100		
41	96.9	64.4	124.4
57	22.2	0.0	55.0

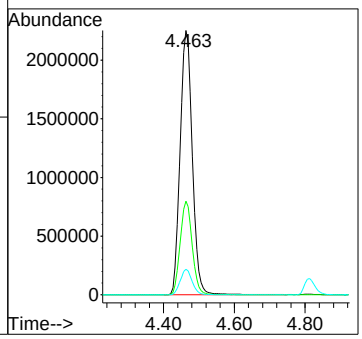


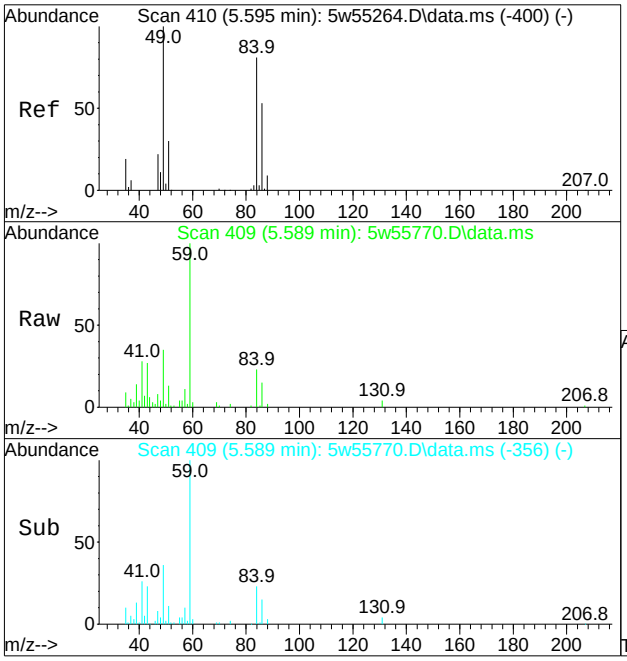


#28
ETHANOL
Concen: 285.9254 PPBV
RT: 4.463 min Scan# 225
Delta R.T. 0.006 min
Lab File: 5w55770.D
Acq: 20 Dec 2024 5:43 am

Tgt Ion: 45 Resp: 5395490

Ion	Ratio	Lower	Upper
45	100		
46	35.1	4.5	64.5
42	9.5	0.0	38.6

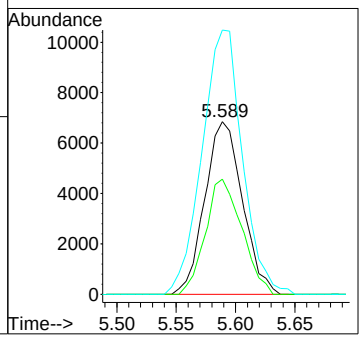


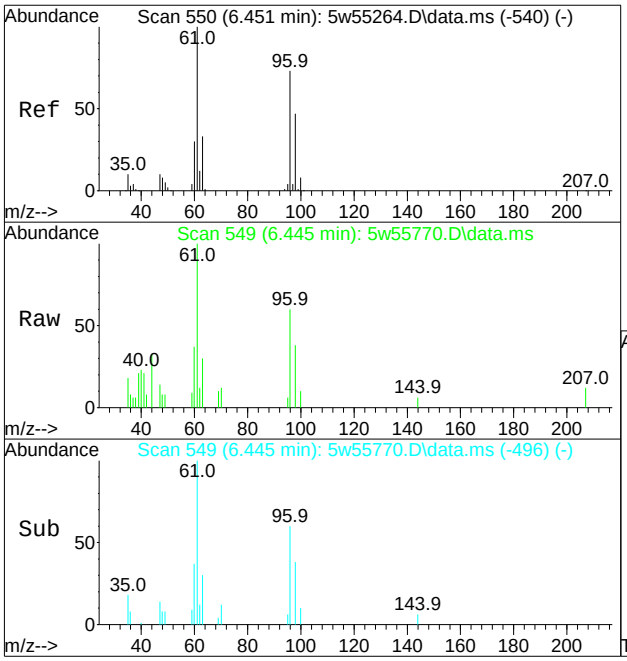


#31
METHYLENE CHLORIDE
Concen: 0.5969 PPBV
RT: 5.589 min Scan# 409
Delta R.T. -0.006 min
Lab File: 5w55770.D
Acq: 20 Dec 2024 5:43 am

Tgt Ion: 84 Resp: 15065

Ion	Ratio	Lower	Upper
84	100		
86	64.6	34.0	94.0
49	164.4	105.8	165.8

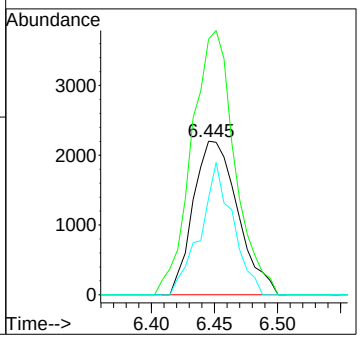


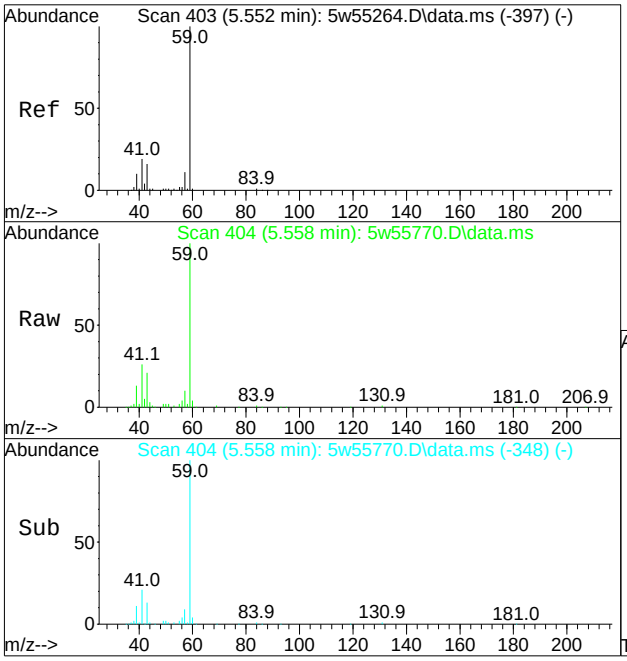


#34
TRANS-1,2-DICHLOROETHYLENE
Concen: 0.2031 PPBV
RT: 6.445 min Scan# 549
Delta R.T. -0.006 min
Lab File: 5w55770.D
Acq: 20 Dec 2024 5:43 am

Tgt Ion: 96 Resp: 5405

Ion	Ratio	Lower	Upper
96	100		
61	166.2	121.7	181.7
98	62.6	32.8	92.8

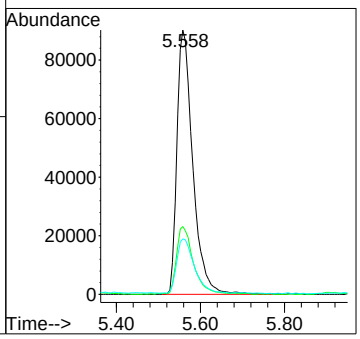


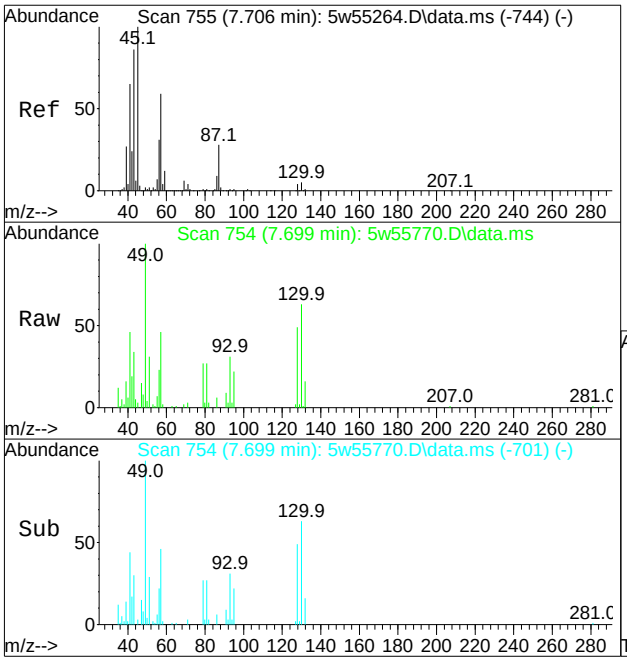


#35
TERTIARY BUTYL ALCOHOL
Concen: 4.8833 PPBV
RT: 5.558 min Scan# 404
Delta R.T. 0.012 min
Lab File: 5w55770.D
Acq: 20 Dec 2024 5:43 am

Tgt Ion: 59 Resp: 236516

Ion	Ratio	Lower	Upper
59	100		
41	27.6	0.0	53.1
43	22.4	0.0	47.1

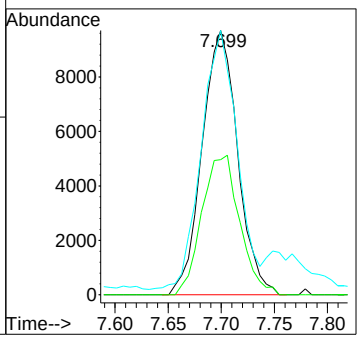


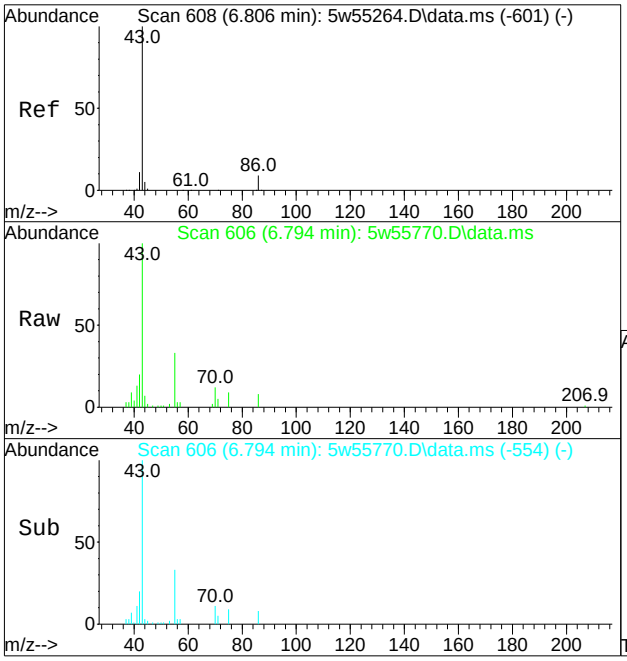


#38
HEXANE
Concen: 0.5992 PPBV
RT: 7.699 min Scan# 754
Delta R.T. -0.006 min
Lab File: 5w55770.D
Acq: 20 Dec 2024 5:43 am

Tgt Ion: 57 Resp: 22592

Ion	Ratio	Lower	Upper
57	100		
56	56.0	24.2	84.2
41	114.8	92.1	152.1

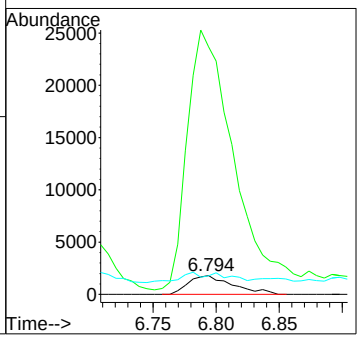


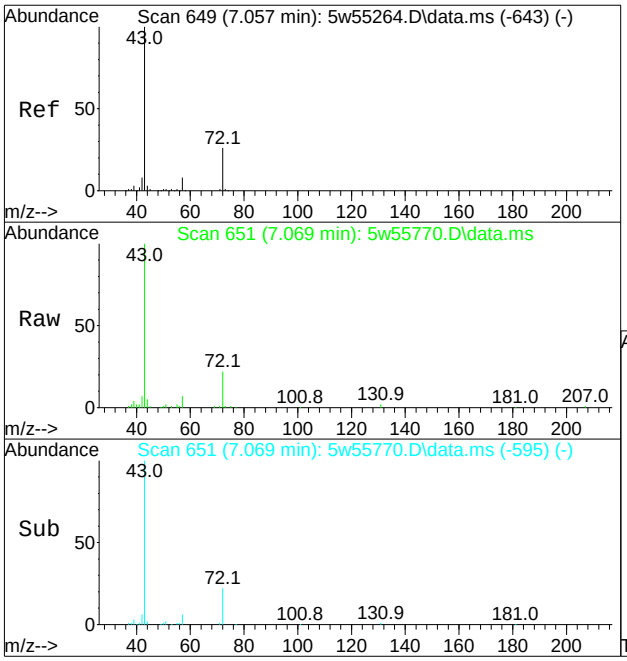


#39
VINYL ACETATE
Concen: 1.0182 PPBV
RT: 6.794 min Scan# 606
Delta R.T. -0.012 min
Lab File: 5w55770.D
Acq: 20 Dec 2024 5:43 am

Tgt Ion: 86 Resp: 4388

Ion	Ratio	Lower	Upper
86	100		
43	1531.2	1335.5	1395.5#
44	78.1	40.9	100.9

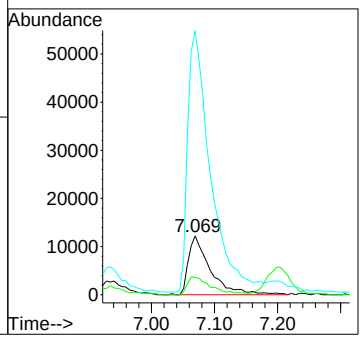


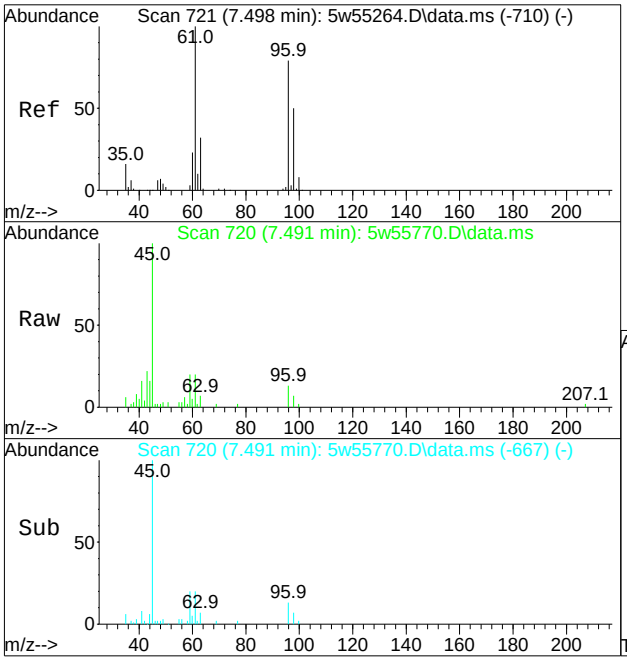


#41
METHYL ETHYL KETONE
Concen: 2.8472 PPBV
RT: 7.069 min Scan# 651
Delta R.T. 0.012 min
Lab File: 5w55770.D
Acq: 20 Dec 2024 5:43 am

Tgt Ion: 72 Resp: 29718

Ion	Ratio	Lower	Upper
72	100		
57	29.6	1.1	61.1
43	447.9	390.6	450.6

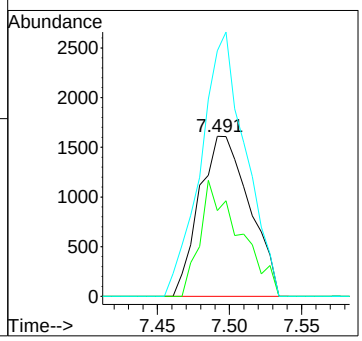


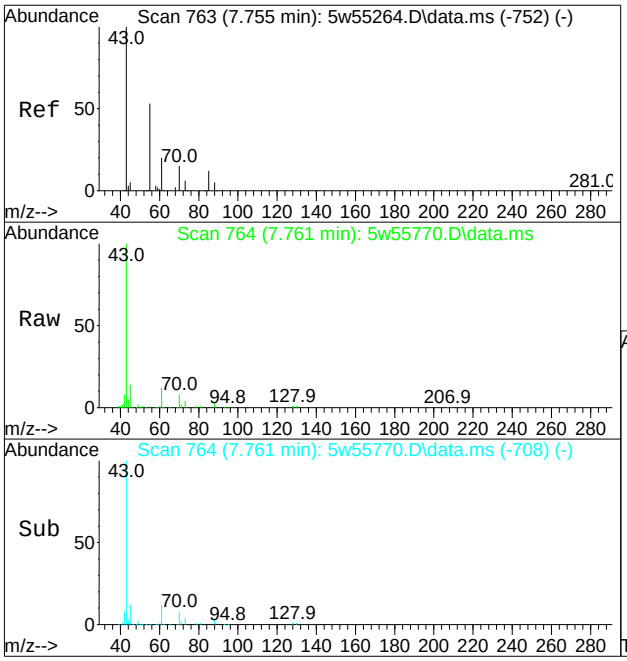


#42
cis-1,2-DICHLOROETHYLENE
Concen: 0.1417 PPBV
RT: 7.491 min Scan# 720
Delta R.T. -0.006 min
Lab File: 5w55770.D
Acq: 20 Dec 2024 5:43 am

Tgt Ion: 96 Resp: 3914

Ion	Ratio	Lower	Upper
96	100		
98	57.5	33.2	93.2
61	146.8	107.9	167.9

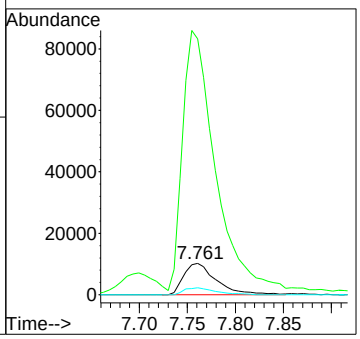


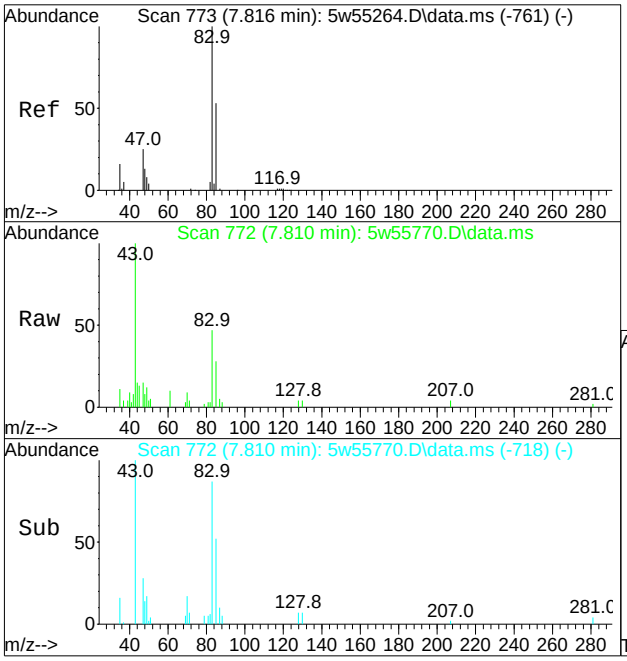


#44
ETHYL ACETATE
Concen: 3.1605 PPBV
RT: 7.761 min Scan# 764
Delta R.T. 0.012 min
Lab File: 5w55770.D
Acq: 20 Dec 2024 5:43 am

Tgt Ion: 61 Resp: 24335

Ion	Ratio	Lower	Upper
61	100		
43	878.8	0.0	30.0#
88	21.6	7.3	67.3

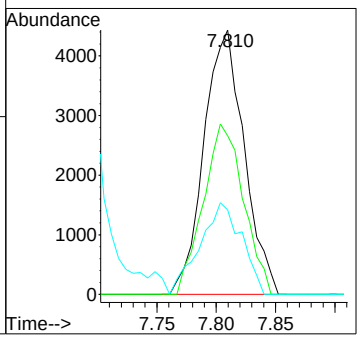


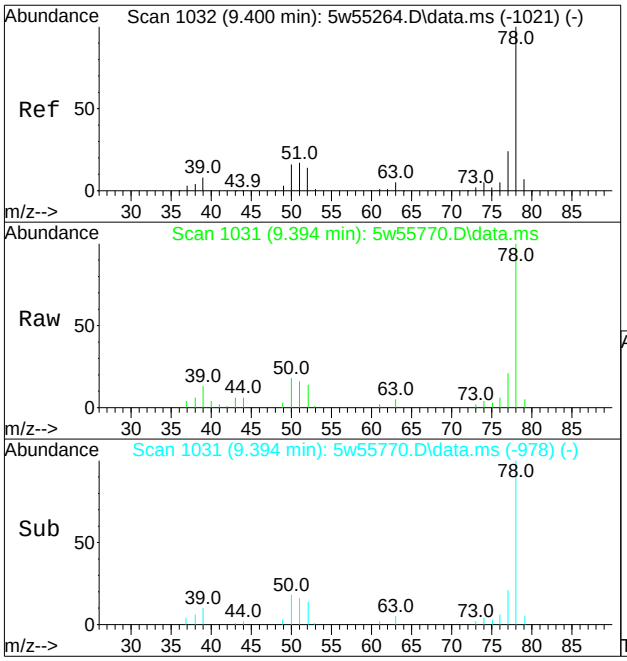


#46
CHLOROFORM
Concen: 0.1688 PPBV
RT: 7.810 min Scan# 772
Delta R.T. -0.000 min
Lab File: 5w55770.D
Acq: 20 Dec 2024 5:43 am

Tgt Ion: 83 Resp: 10426

Ion	Ratio	Lower	Upper
83	100		
85	64.4	35.5	95.5
47	36.0	0.0	56.8

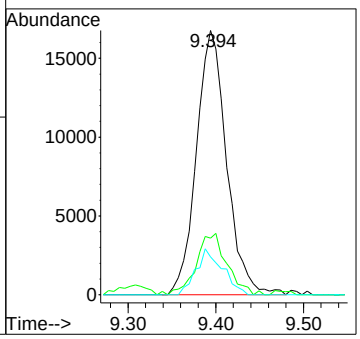


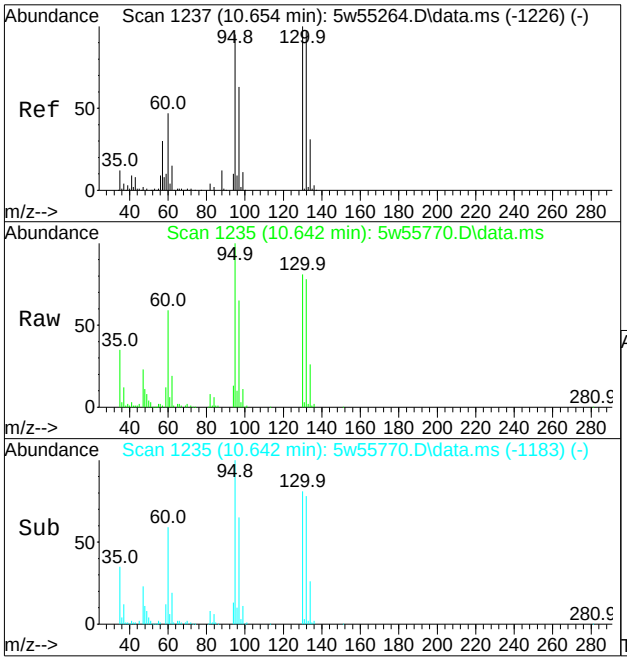


#52
BENZENE
Concen: 0.4691 PPBV
RT: 9.394 min Scan# 1031
Delta R.T. -0.006 min
Lab File: 5w55770.D
Acq: 20 Dec 2024 5:43 am

Tgt Ion: 78 Resp: 40168

Ion	Ratio	Lower	Upper
78	100		
77	23.4	0.0	54.0
52	15.2	0.0	45.6

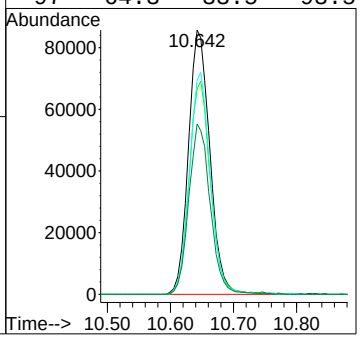


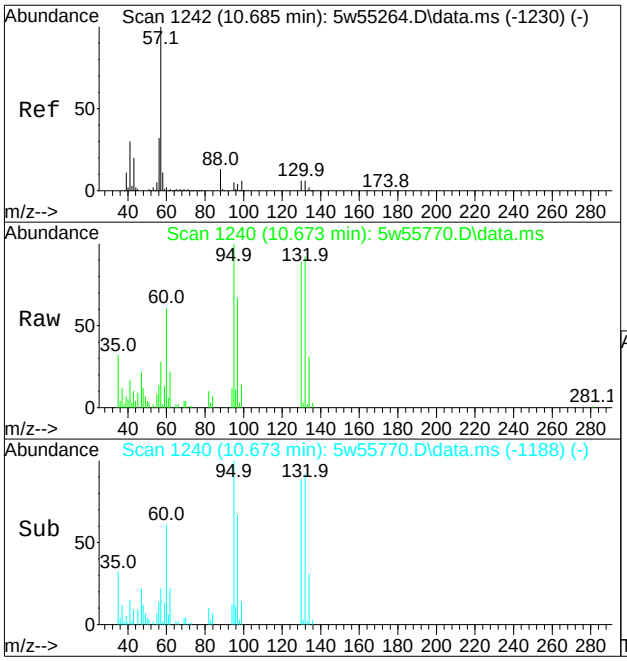


#55
TRICHLOROETHYLENE
Concen: 4.4944 PPBV
RT: 10.642 min Scan# 1235
Delta R.T. -0.012 min
Lab File: 5w55770.D
Acq: 20 Dec 2024 5:43 am

Tgt Ion: 95 Resp: 202867

Ion	Ratio	Lower	Upper
95	100		
132	80.3	60.0	120.0
130	82.1	64.1	124.1
97	64.3	33.5	93.5

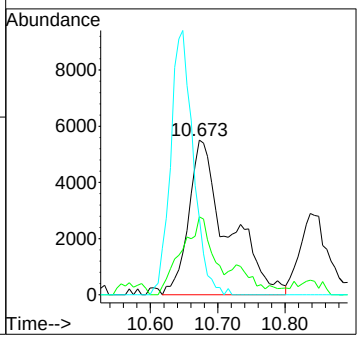


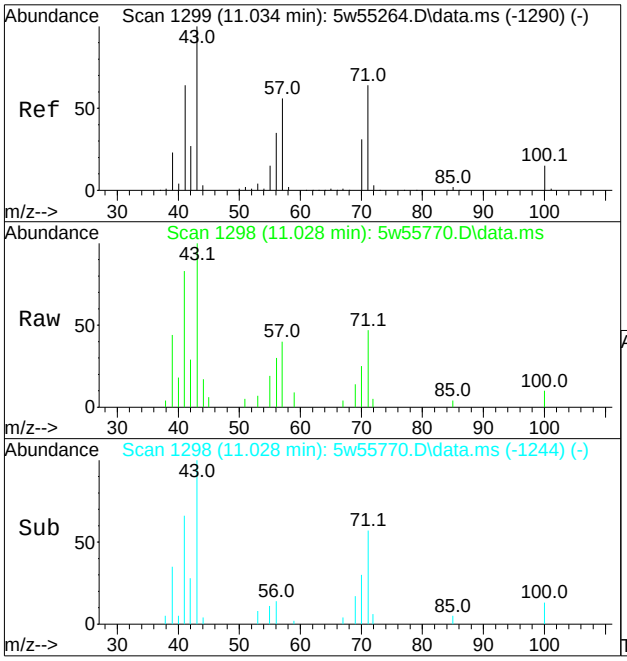


#60
2,2,4-TRIMETHYLPENTANE
Concen: 0.1714 PPBV
RT: 10.673 min Scan# 1240
Delta R.T. -0.012 min
Lab File: 5w55770.D
Acq: 20 Dec 2024 5:43 am

Tgt Ion: 57 Resp: 22283

Ion	Ratio	Lower	Upper
57	100		
56	53.3	2.2	62.2
99	0.0	0.0	37.6

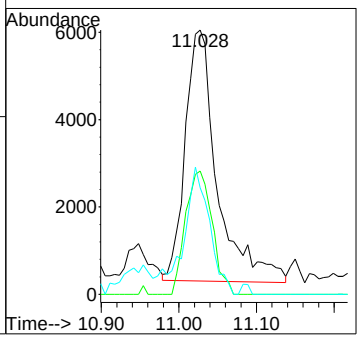


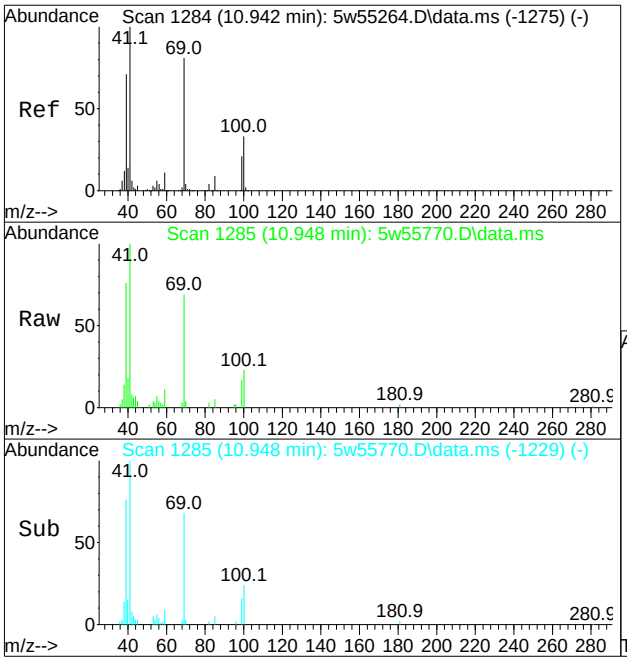


#62
HEPTANE
Concen: 0.3632 PPBV
RT: 11.028 min Scan# 1298
Delta R.T. -0.000 min
Lab File: 5w55770.D
Acq: 20 Dec 2024 5:43 am

Tgt Ion: 43 Resp: 16496

Ion	Ratio	Lower	Upper
43	100		
71	40.9	27.2	87.2
57	38.3	22.5	82.5

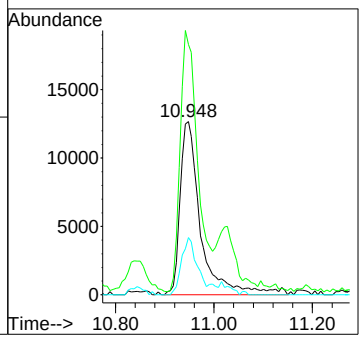


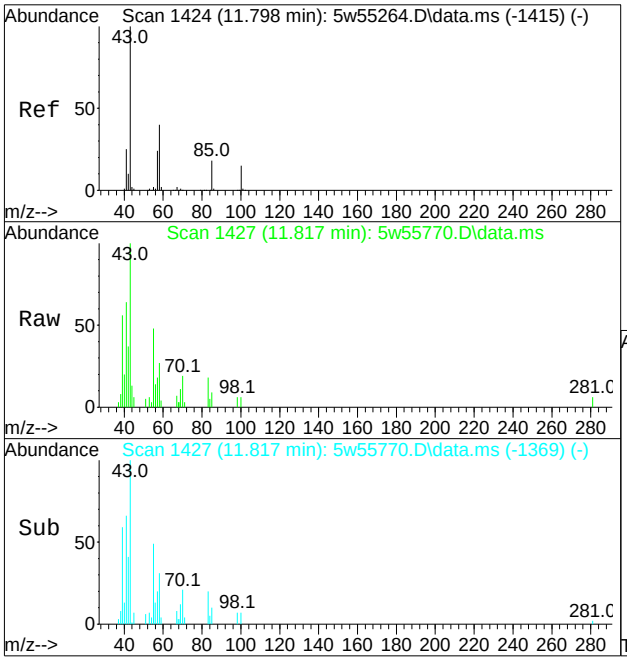


#63
METHYL METHACRYLATE
Concen: 1.2922 PPBV
RT: 10.948 min Scan# 1285
Delta R.T. 0.012 min
Lab File: 5w55770.D
Acq: 20 Dec 2024 5:43 am

Tgt Ion: 69 Resp: 36780

Ion	Ratio	Lower	Upper
69	100		
41	131.1	97.3	157.3
100	30.9	3.0	63.0

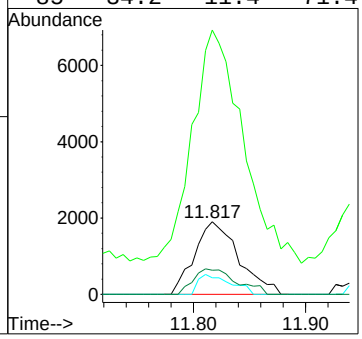


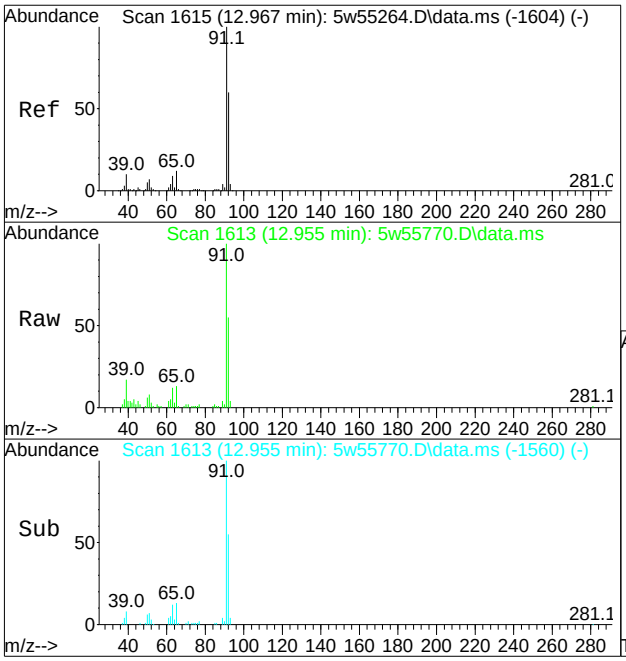


#64
METHYL ISOBUTYL KETONE
Concen: 0.2160 PPBV
RT: 11.817 min Scan# 1427
Delta R.T. 0.024 min
Lab File: 5w55770.D
Acq: 20 Dec 2024 5:43 am

Tgt Ion: 58 Resp: 5226

Ion	Ratio	Lower	Upper
58	100		
43	384.2	236.1	296.1#
100	19.9	0.7	60.7
85	34.2	11.4	71.4

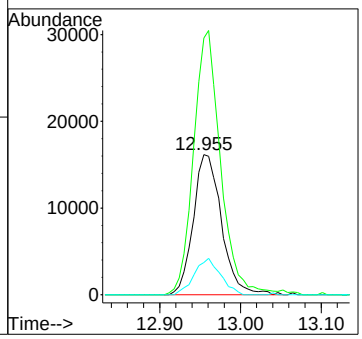


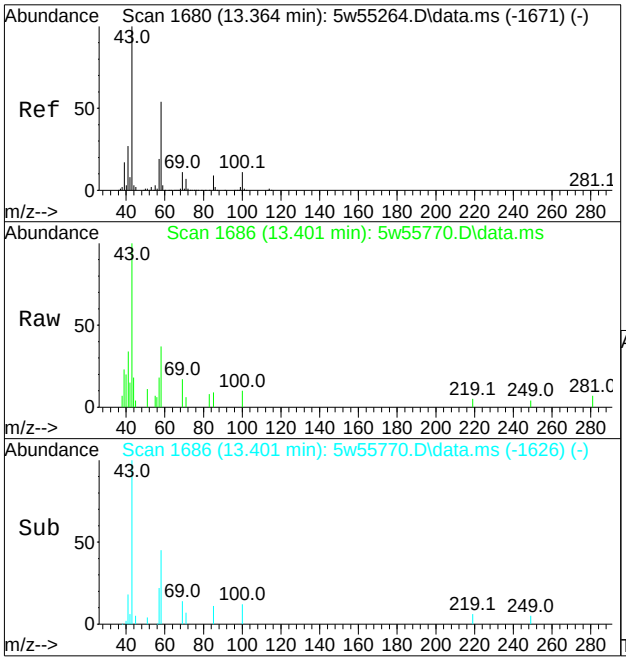


#66
TOLUENE
Concen: 0.6573 PPBV
RT: 12.955 min Scan# 1613
Delta R.T. -0.006 min
Lab File: 5w55770.D
Acq: 20 Dec 2024 5:43 am

Tgt Ion: 92 Resp: 39365

Ion	Ratio	Lower	Upper
92	100		
91	181.2	143.4	203.4
65	24.1	0.0	53.8

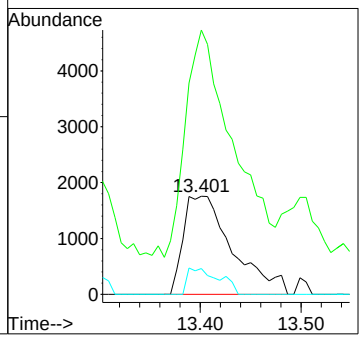


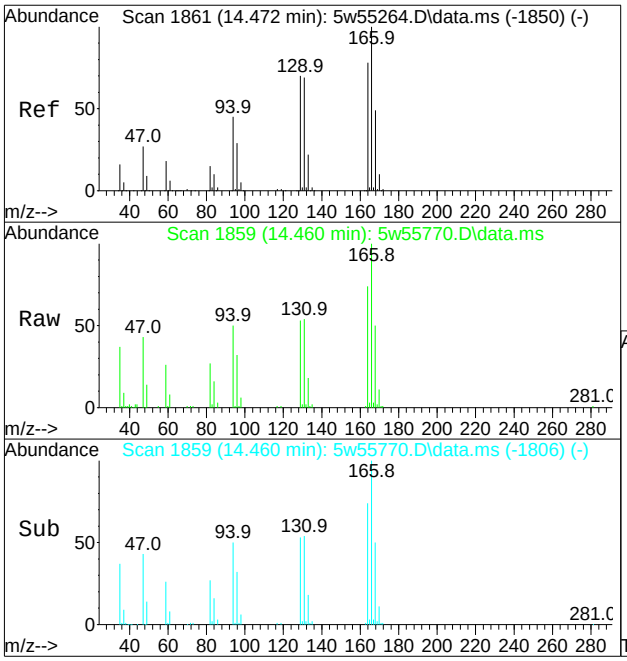


#71
2-HEXANONE
Concen: 0.2131 PPBV
RT: 13.401 min Scan# 1686
Delta R.T. 0.037 min
Lab File: 5w55770.D
Acq: 20 Dec 2024 5:43 am

Tgt Ion: 58 Resp: 5974

Ion	Ratio	Lower	Upper
58	100		
43	307.1	159.0	219.0#
100	17.2	0.0	47.8

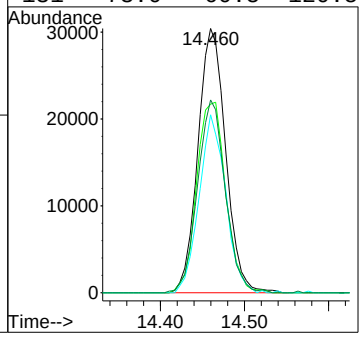


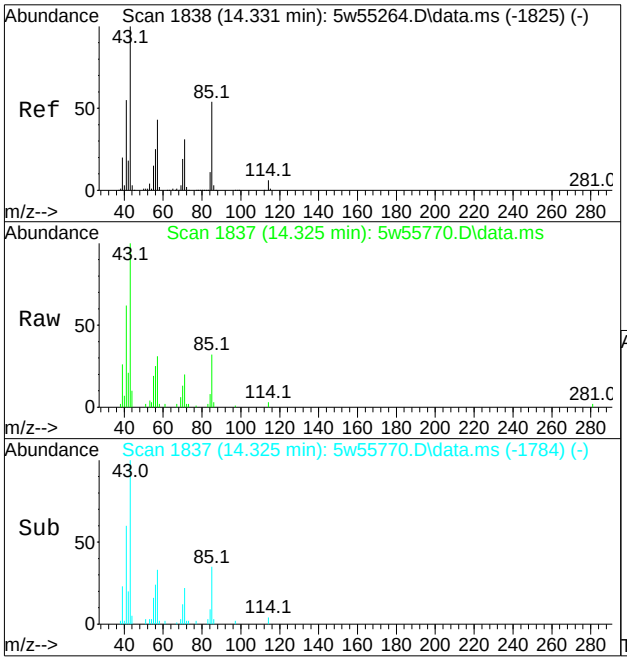


#73
TETRACHLOROETHYLENE
Concen: 1.8014 PPBV
RT: 14.460 min Scan# 1859
Delta R.T. -0.006 min
Lab File: 5w55770.D
Acq: 20 Dec 2024 5:43 am

Tgt Ion:164 Resp: 69908

Ion	Ratio	Lower	Upper
164	100		
129	75.7	64.4	124.4
168	64.4	31.2	91.2
131	73.0	60.5	120.5

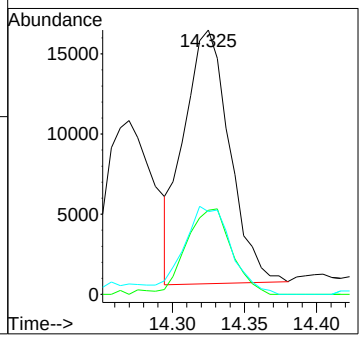


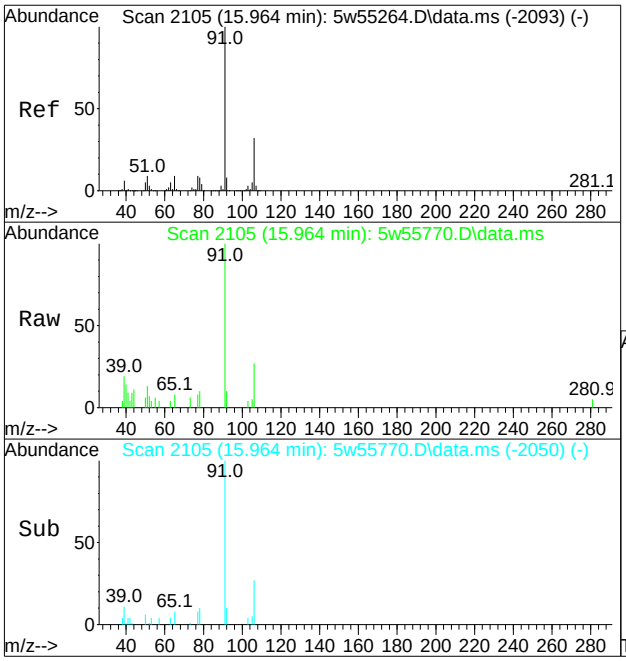


#76
OCTANE
Concen: 0.6718 PPBV
RT: 14.325 min Scan# 1837
Delta R.T. -0.006 min
Lab File: 5w55770.D
Acq: 20 Dec 2024 5:43 am

Tgt Ion: 43 Resp: 35057

Ion	Ratio	Lower	Upper
43	100		
85	33.9	13.7	73.7
57	35.6	9.9	69.9

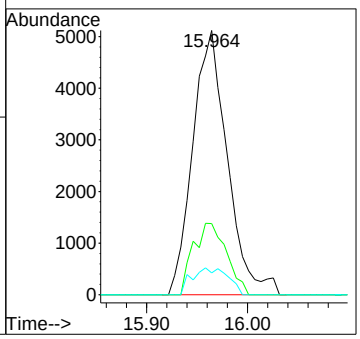


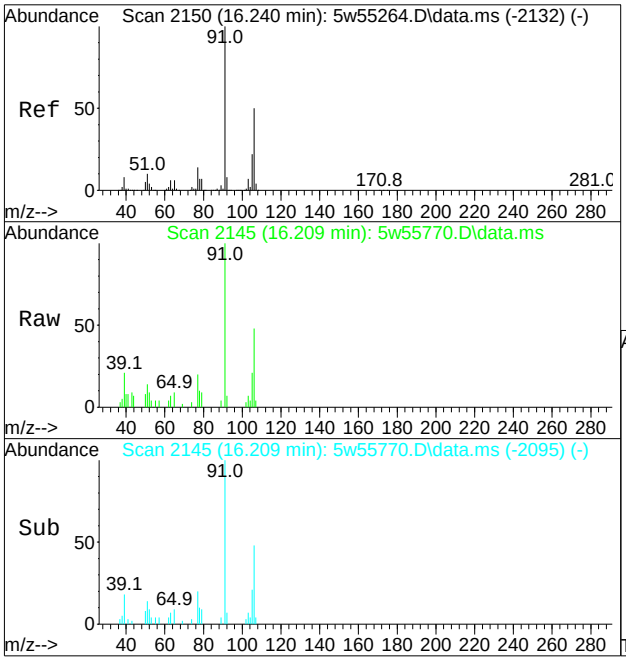


#79
ETHYLBENZENE
Concen: 0.1115 PPBV
RT: 15.964 min Scan# 2105
Delta R.T. 0.006 min
Lab File: 5w55770.D
Acq: 20 Dec 2024 5:43 am

Tgt Ion: 91 Resp: 12211

Ion	Ratio	Lower	Upper
91	100		
106	26.0	0.0	59.9
77	10.6	0.0	39.1

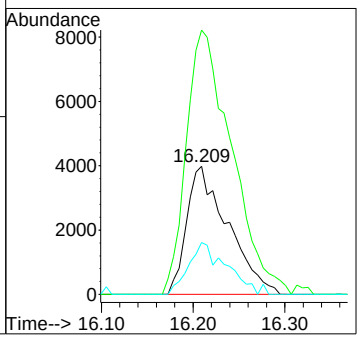


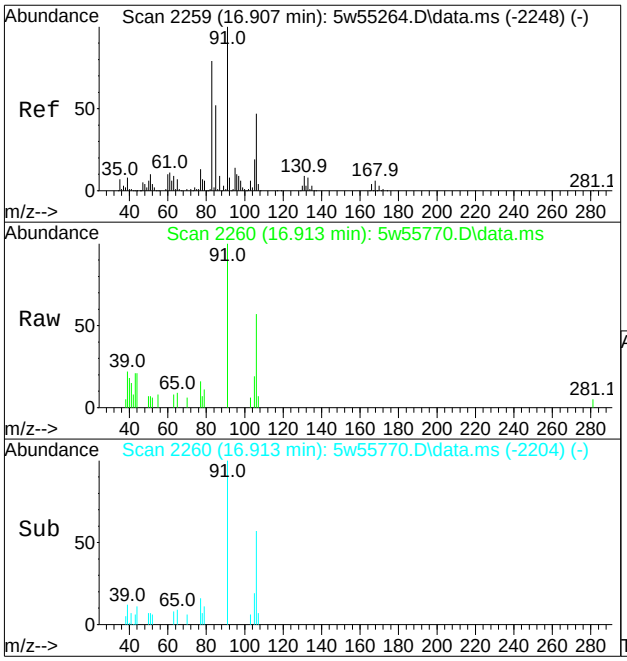


#80
m,p-XYLENE
Concen: 0.2992 PPBV
RT: 16.209 min Scan# 2145
Delta R.T. -0.025 min
Lab File: 5w55770.D
Acq: 20 Dec 2024 5:43 am

Tgt Ion:106 Resp: 12437

Ion	Ratio	Lower	Upper
106	100		
91	206.2	181.2	241.2
77	40.5	0.1	60.1

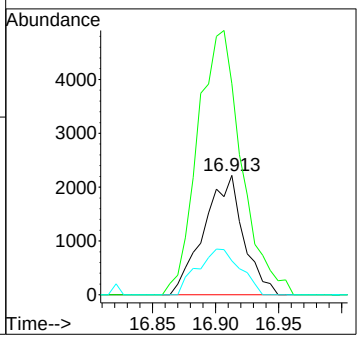


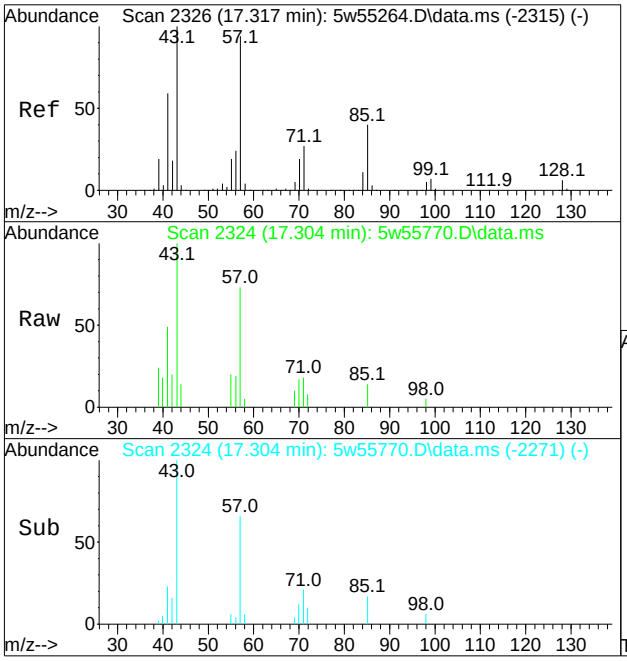


#81
o-XYLENE
Concen: 0.1198 PPBV
RT: 16.913 min Scan# 2260
Delta R.T. 0.012 min
Lab File: 5w55770.D
Acq: 20 Dec 2024 5:43 am

Tgt Ion:106 Resp: 4832

Ion	Ratio	Lower	Upper
106	100		
91	244.8	193.4	253.4
77	41.2	0.0	59.8

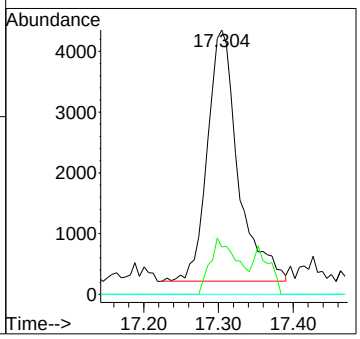


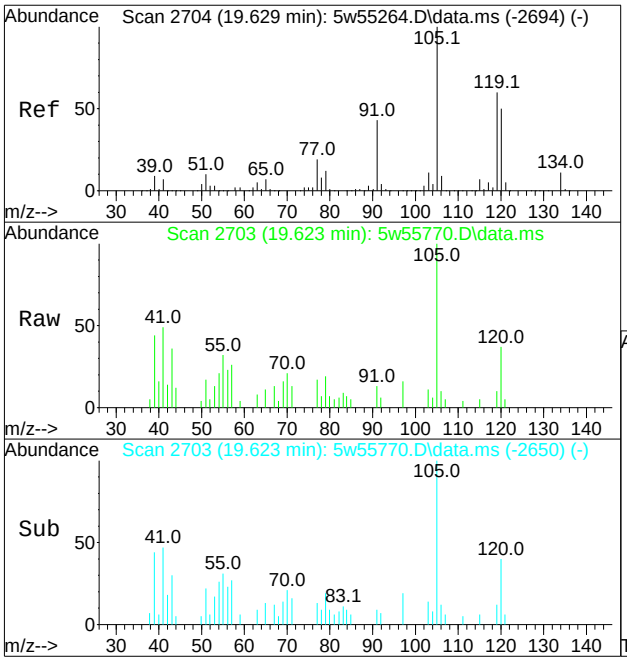


#83
NONANE
Concen: 0.2170 PPBV
RT: 17.304 min Scan# 2324
Delta R.T. -0.006 min
Lab File: 5w55770.D
Acq: 20 Dec 2024 5:43 am

Tgt Ion: 43 Resp: 11816

Ion	Ratio	Lower	Upper
43	100		
71	20.0	0.0	53.8
128	0.0	0.0	34.3

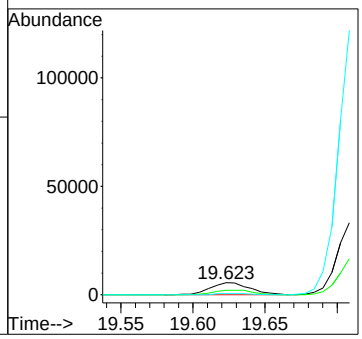


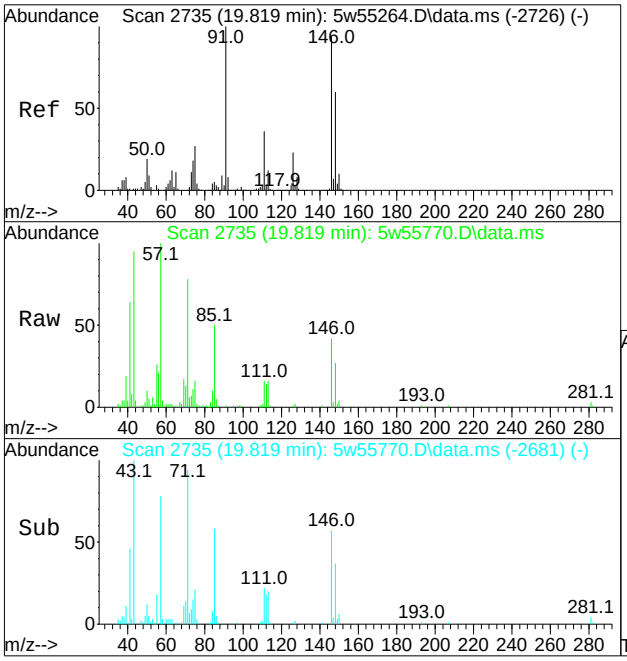


#96
1,2,4-TRIMETHYLBENZENE
Concen: 0.1033 PPBV
RT: 19.623 min Scan# 2703
Delta R.T. -0.006 min
Lab File: 5w55770.D
Acq: 20 Dec 2024 5:43 am

Tgt Ion:105 Resp: 10674

Ion	Ratio	Lower	Upper
105	100		
120	38.4	22.6	82.6
119	9.3	69.7	129.7#

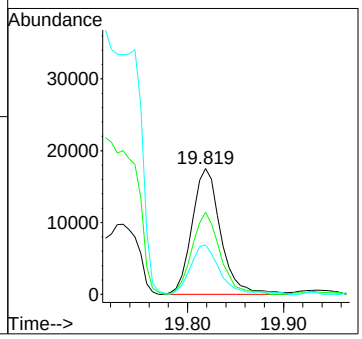




#97
m-DICHLOROBENZENE
Concen: 0.4469 PPBV
RT: 19.819 min Scan# 2735
Delta R.T. -0.000 min
Lab File: 5w55770.D
Acq: 20 Dec 2024 5:43 am

Tgt Ion:146 Resp: 36355

Ion	Ratio	Lower	Upper
146	100		
148	63.6	34.2	94.2
111	40.7	10.1	70.1



Quantitation Report (QT Reviewed)

Data Path : G:\Dayton\MSAIR\Done\2024\December\24 Dec 2024\kristelv\v5w2138\
Data File : 5w55828.D
Acq On : 23 Dec 2024 5:34 pm
Operator : thomash
Sample : je2487-5
Misc : MS88104,V5W2138,100,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 24 16:53:39 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

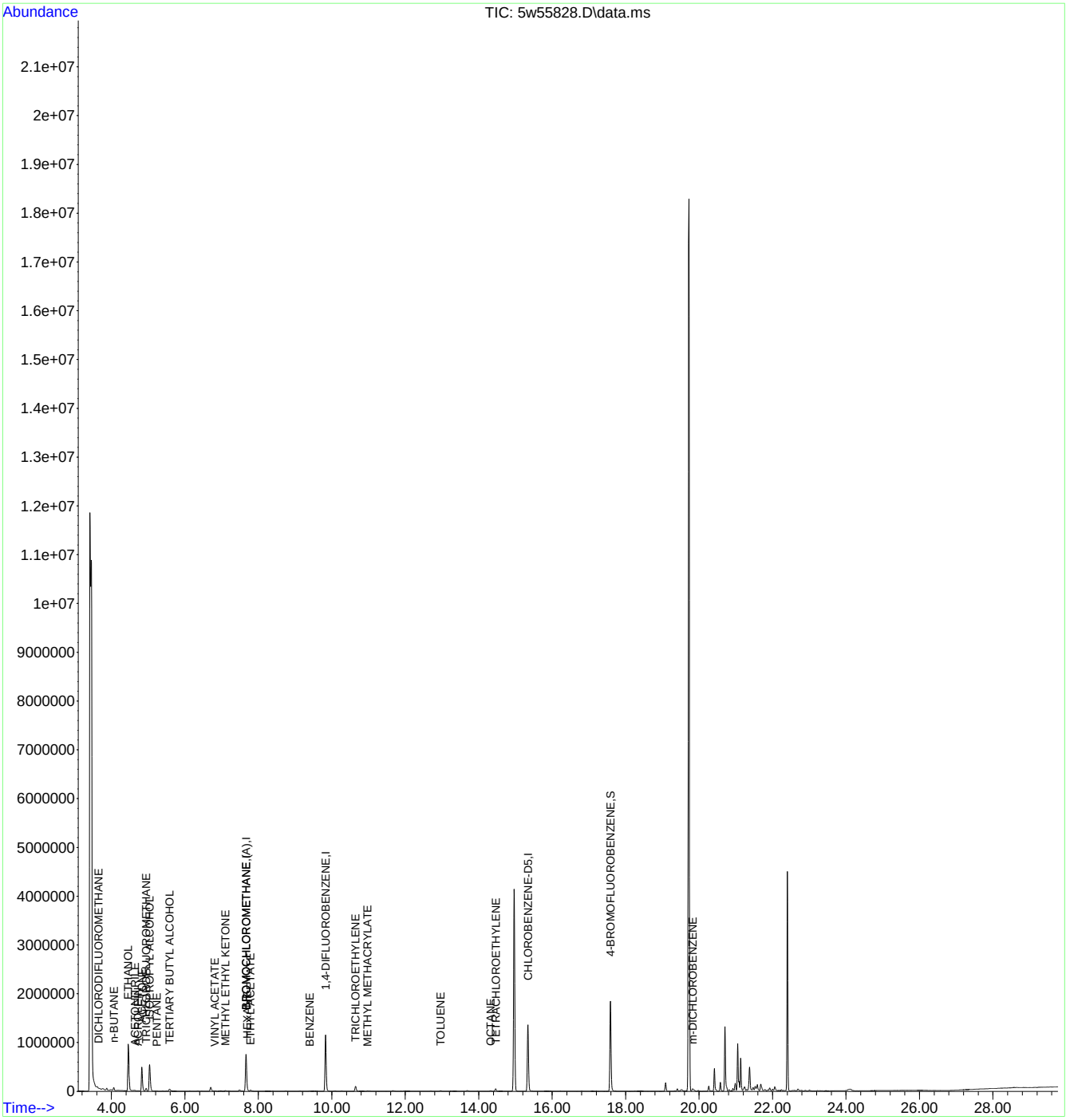
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	7.669	128	201543	10.00	PPBV	0.00
51) 1,4-DIFLUOROBENZENE	9.829	114	1000655	10.00	PPBV	0.00
70) CHLOROBENZENE-D5	15.341	82	551430	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	7.669	128	201543	10.00	PPBV	0.00
System Monitoring Compounds						
85) 4-BROMOFLUOROBENZENE	17.586	95	674976	10.94	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 109.40%			
Target Compounds						Qvalue
6) DICHLORODIFLUOROMETHANE	3.656	85	8670	0.12	PPBV	91
13) n-BUTANE	4.066	43	48340	1.12	PPBV #	94
17) ACETONITRILE	4.641	41	3344	0.13	PPBV #	79
18) ACROLEIN	4.726	56	1992	0.18	PPBV	78
21) TRICHLOROFLUOROMETHANE	4.947	101	46798	0.69	PPBV	99
22) ISOPROPYL ALCOHOL	5.039	45	804653	18.66	PPBV	98
23) ACETONE	4.824	58	174085	10.71	PPBV	93
24) PENTANE	5.228	42	2988	0.14	PPBV	84
28) ETHANOL	4.457	45	1215159	76.88	PPBV	100
35) TERTIARY BUTYL ALCOHOL	5.583	59	53521	1.32	PPBV	89
38) HEXANE	7.700	57	4010	0.13	PPBV	91
39) VINYL ACETATE	6.813	86	620	0.17	PPBV #	1
41) METHYL ETHYL KETONE	7.100	72	5366	0.61	PPBV	90
44) ETHYL ACETATE	7.791	61	4149	0.64	PPBV #	68
52) BENZENE	9.400	78	7566	0.10	PPBV	98
55) TRICHLOROETHYLENE	10.648	95	40165	1.05	PPBV	93
63) METHYL METHACRYLATE	10.967	69	5931	0.25	PPBV #	48
66) TOLUENE	12.961	92	7372	0.15	PPBV	92
73) TETRACHLOROETHYLENE	14.466	164	15453	0.43	PPBV	80
76) OCTANE	14.319	43	11994	0.25	PPBV	63
97) m-DICHLOROBENZENE	19.825	146	7513	0.10	PPBV	99

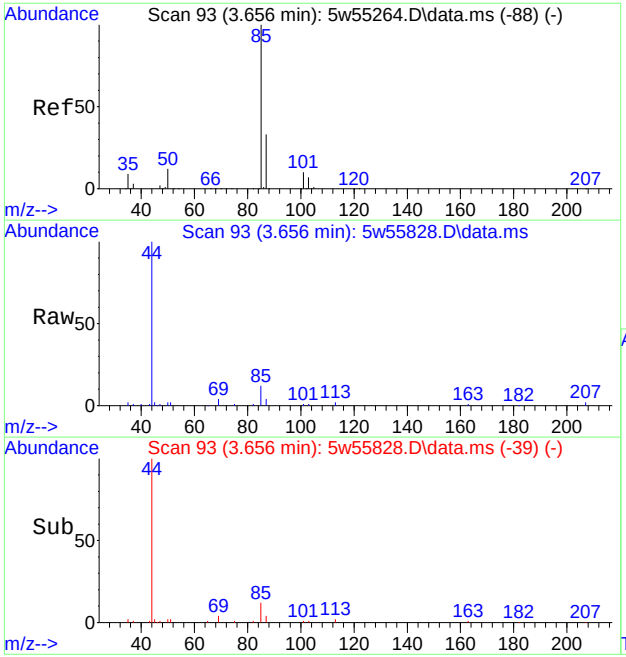
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : G:\Dayton\MSAIR\Done\2024\December\24 Dec 2024\kristelv\v5w2138\
Data File : 5w55828.D
Acq On : 23 Dec 2024 5:34 pm
Operator : thomash
Sample : je2487-5
Misc : MS88104,V5W2138,100,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 24 16:53:39 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

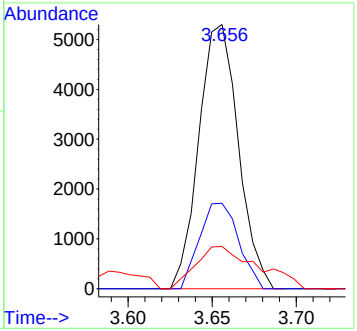


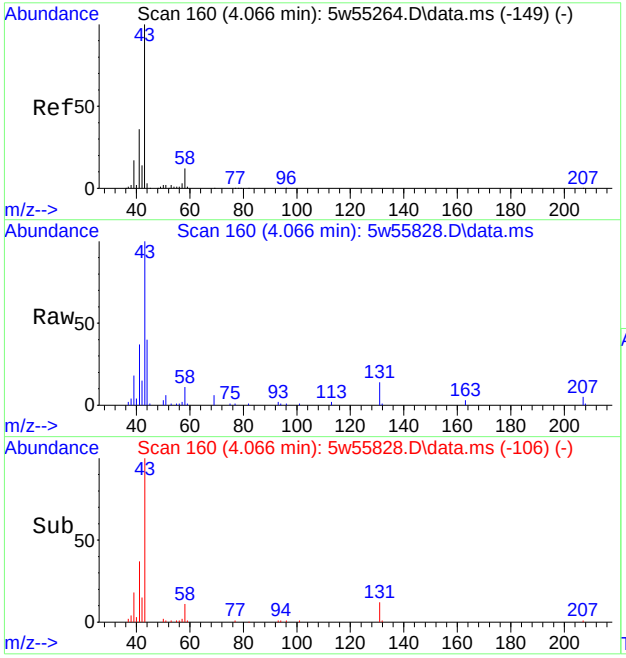


#6
DICHLORODIFLUOROMETHANE
Concen: 0.12 PPBV
RT: 3.656 min Scan# 93
Delta R.T. 0.000 min
Lab File: 5w55828.D
Acq: 23 Dec 2024 5:34 pm

Tgt Ion: 85 Resp: 8670

Ion	Ratio	Lower	Upper
85	100		
87	32.1	2.6	62.6
50	25.1	0.0	43.0

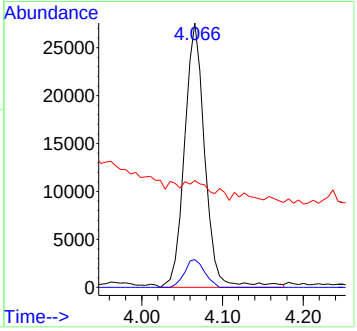


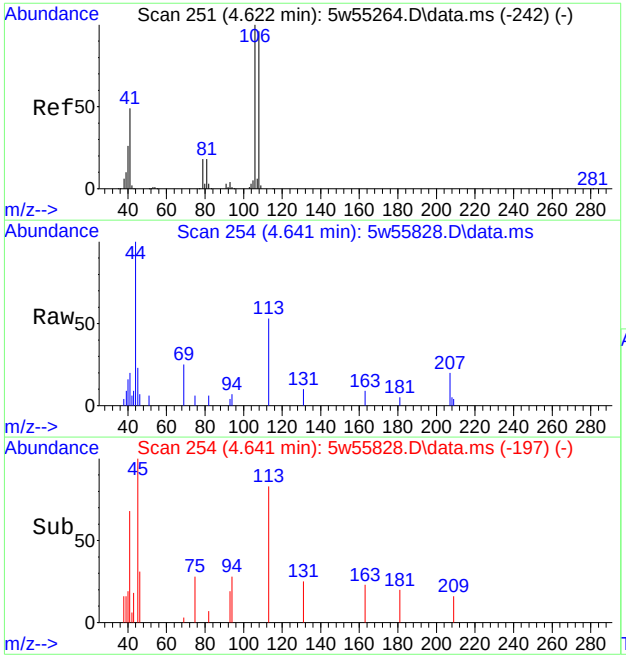


#13
n-BUTANE
Concen: 1.12 PPBV
RT: 4.066 min Scan# 160
Delta R.T. 0.000 min
Lab File: 5w55828.D
Acq: 23 Dec 2024 5:34 pm

Tgt Ion: 43 Resp: 48340

Ion	Ratio	Lower	Upper
43	100		
58	10.3	0.0	41.6
44	0.0	0.0	34.7

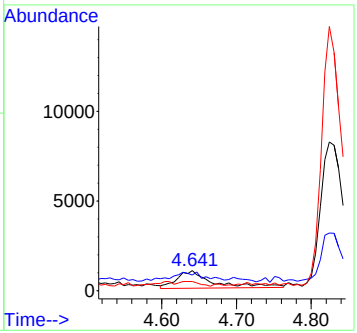


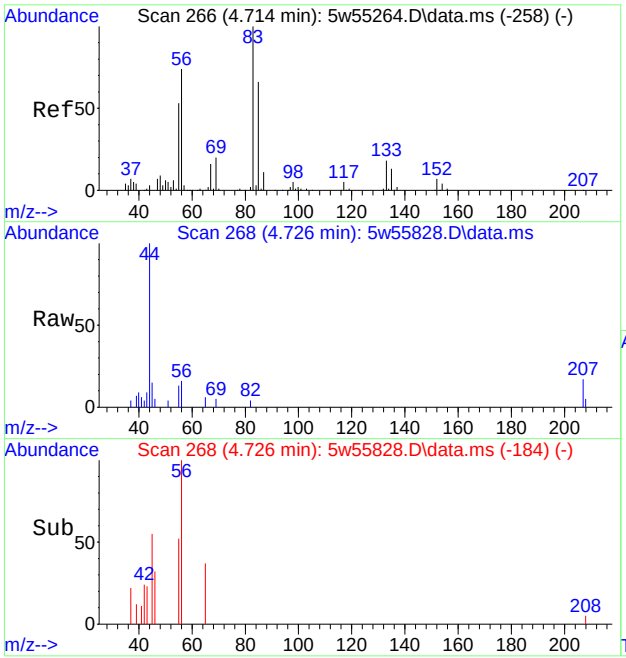


#17
ACETONITRILE
Concen: 0.13 PPBV
RT: 4.641 min Scan# 254
Delta R.T. 0.018 min
Lab File: 5w55828.D
Acq: 23 Dec 2024 5:34 pm

Tgt Ion: 41 Resp: 3344

Ion	Ratio	Lower	Upper
41	100		
40	45.7	38.4	71.4
39	0.0	13.7	25.5#

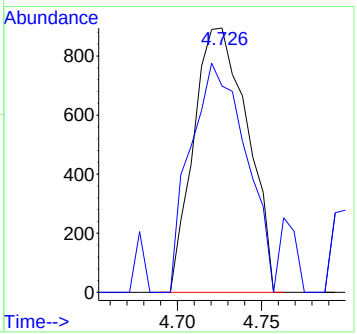


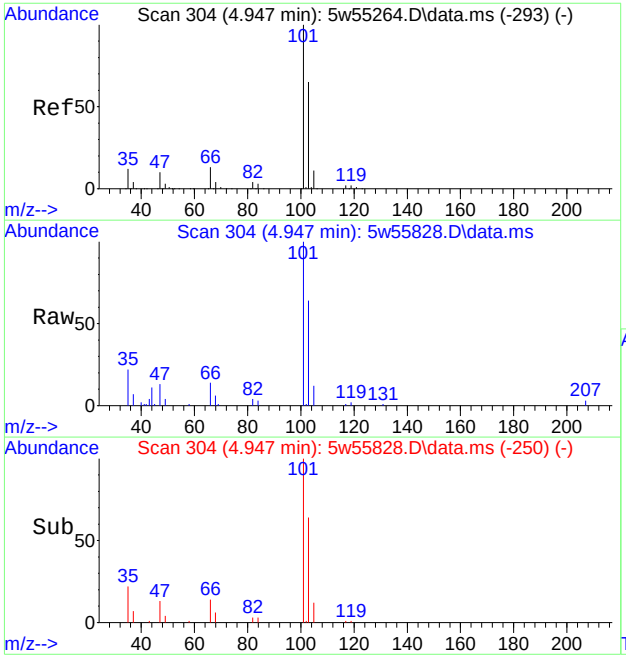


#18
ACROLEIN
Concen: 0.18 PPBV
RT: 4.726 min Scan# 268
Delta R.T. 0.012 min
Lab File: 5w55828.D
Acq: 23 Dec 2024 5:34 pm

Tgt Ion: 56 Resp: 1992

Ion	Ratio	Lower	Upper
56	100		
55	89.4	49.8	92.6

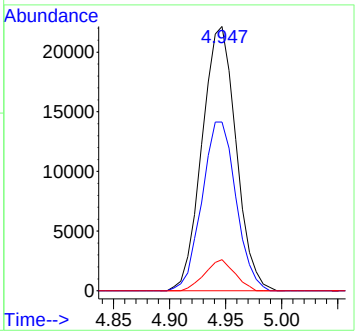


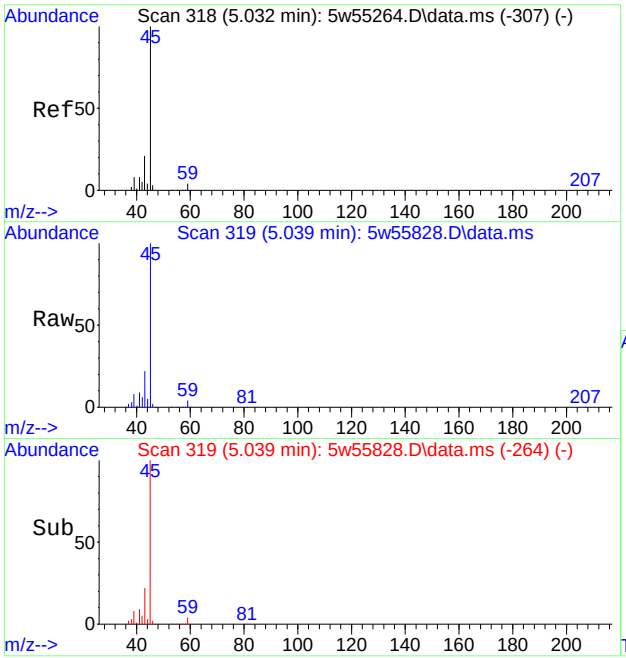


#21
TRICHLOROFLUOROMETHANE
Concen: 0.69 PPBV
RT: 4.947 min Scan# 304
Delta R.T. 0.000 min
Lab File: 5w55828.D
Acq: 23 Dec 2024 5:34 pm

Tgt Ion:101 Resp: 46798

Ion	Ratio	Lower	Upper
101	100		
103	63.8	34.7	94.7
105	10.4	0.0	40.5

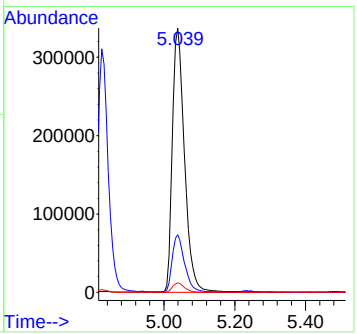


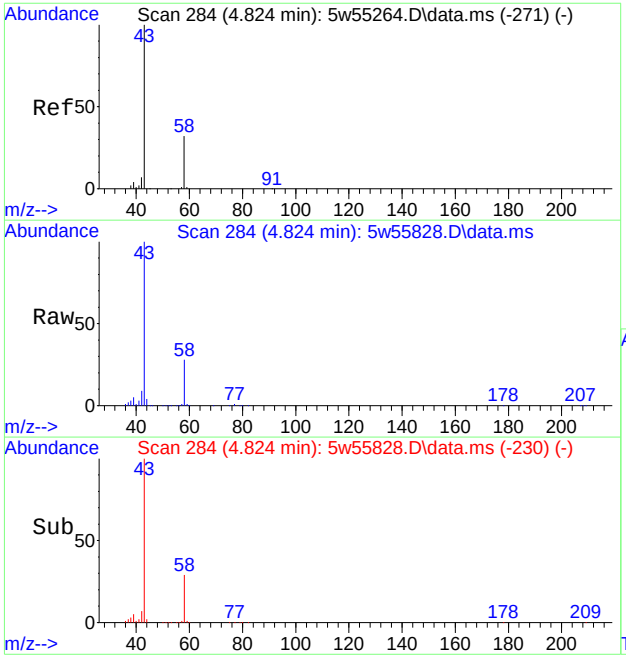


#22
ISOPROPYL ALCOHOL
Concen: 18.66 PPBV
RT: 5.039 min Scan# 319
Delta R.T. 0.006 min
Lab File: 5w55828.D
Acq: 23 Dec 2024 5:34 pm

Tgt Ion: 45 Resp: 804653

Ion	Ratio	Lower	Upper
45	100		
43	21.9	0.0	50.8
59	3.6	0.0	33.8

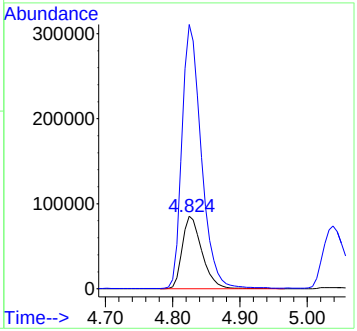


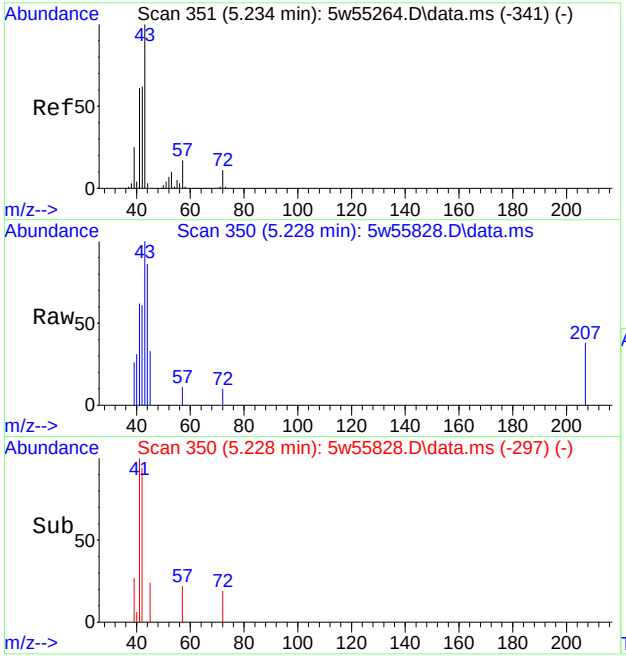


#23
ACETONE
Concen: 10.71 PPBV
RT: 4.824 min Scan# 284
Delta R.T. 0.000 min
Lab File: 5w55828.D
Acq: 23 Dec 2024 5:34 pm

Tgt Ion: 58 Resp: 174085

Ion	Ratio	Lower	Upper
58	100		
43	357.8	312.3	372.3

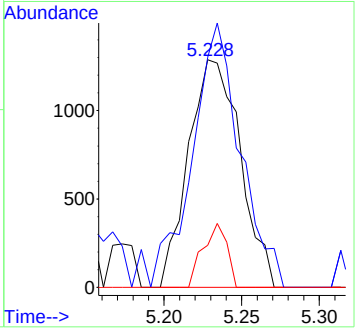


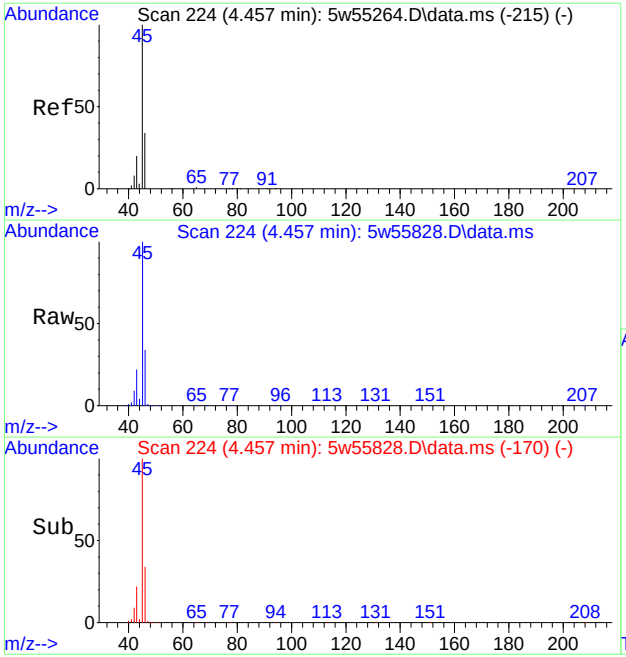


#24
PENTANE
Concen: 0.14 PPBV
RT: 5.228 min Scan# 350
Delta R.T. -0.006 min
Lab File: 5w55828.D
Acq: 23 Dec 2024 5:34 pm

Tgt Ion: 42 Resp: 2988

Ion	Ratio	Lower	Upper
42	100		
41	107.5	64.4	124.4
57	13.0	0.0	55.0

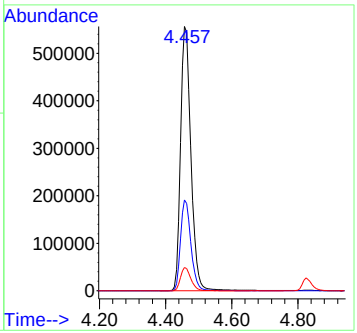


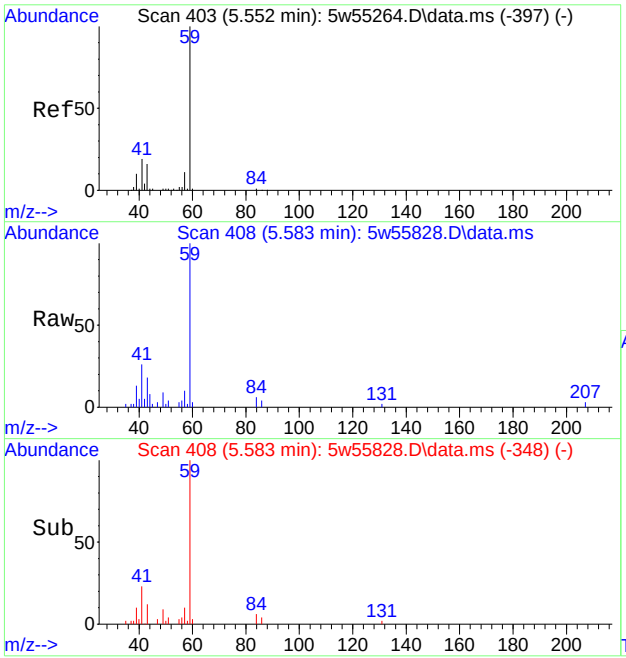


#28
ETHANOL
Concen: 76.88 PPBV
RT: 4.457 min Scan# 224
Delta R.T. 0.000 min
Lab File: 5w55828.D
Acq: 23 Dec 2024 5:34 pm

Tgt Ion: 45 Resp: 1215159

Ion	Ratio	Lower	Upper
45	100		
46	34.4	4.5	64.5
42	9.1	0.0	38.6

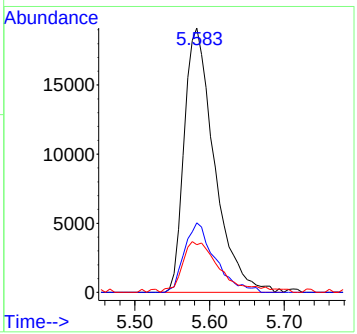


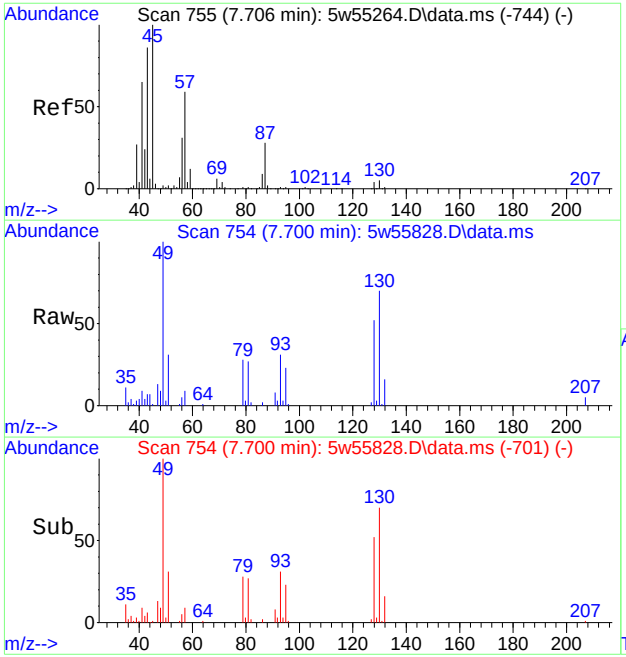


#35
TERTIARY BUTYL ALCOHOL
Concen: 1.32 PPBV
RT: 5.583 min Scan# 408
Delta R.T. 0.037 min
Lab File: 5w55828.D
Acq: 23 Dec 2024 5:34 pm

Tgt Ion: 59 Resp: 53521

Ion	Ratio	Lower	Upper
59	100		
41	26.8	0.0	53.1
43	24.1	0.0	47.1

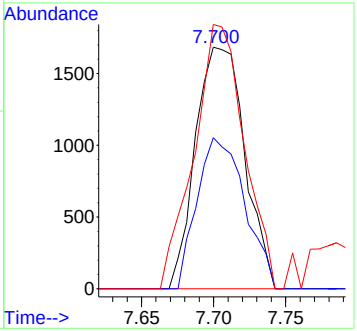


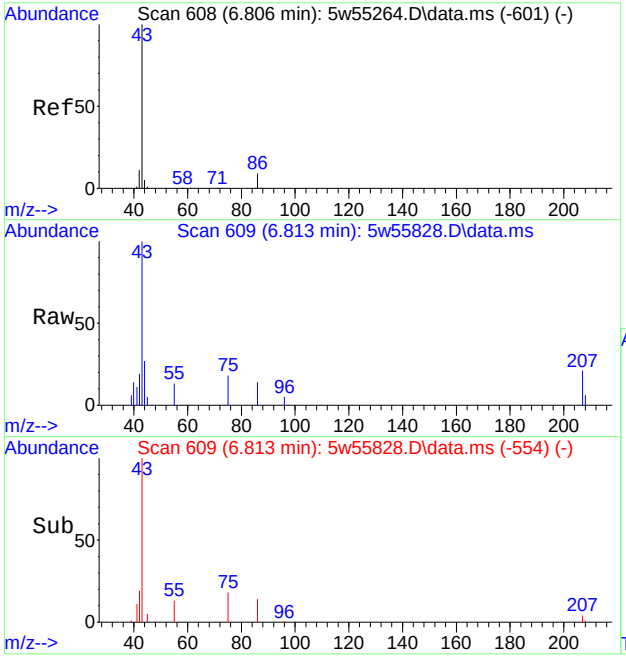


#38
HEXANE
Concen: 0.13 PPBV
RT: 7.700 min Scan# 754
Delta R.T. -0.006 min
Lab File: 5w55828.D
Acq: 23 Dec 2024 5:34 pm

Tgt Ion: 57 Resp: 4010

Ion	Ratio	Lower	Upper
57	100		
56	60.4	24.2	84.2
41	111.1	92.1	152.1

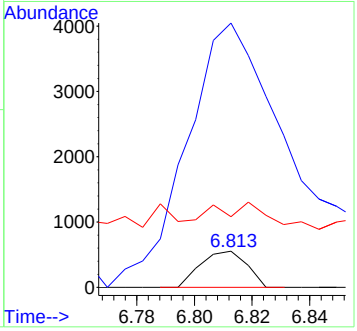


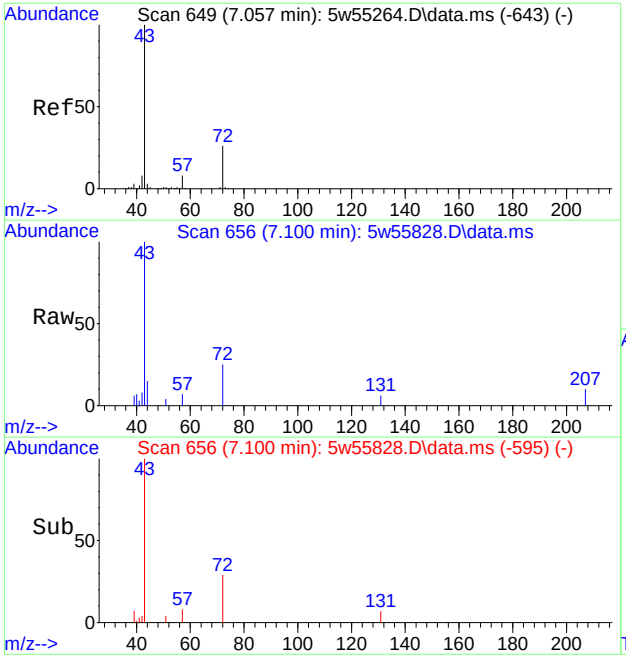


#39
VINYL ACETATE
Concen: 0.17 PPBV
RT: 6.813 min Scan# 609
Delta R.T. 0.006 min
Lab File: 5w55828.D
Acq: 23 Dec 2024 5:34 pm

Tgt Ion: 86 Resp: 620

Ion	Ratio	Lower	Upper
86	100		
43	2049.2	1335.5	1395.5#
44	82.3	40.9	100.9

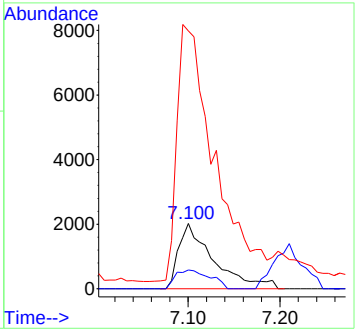


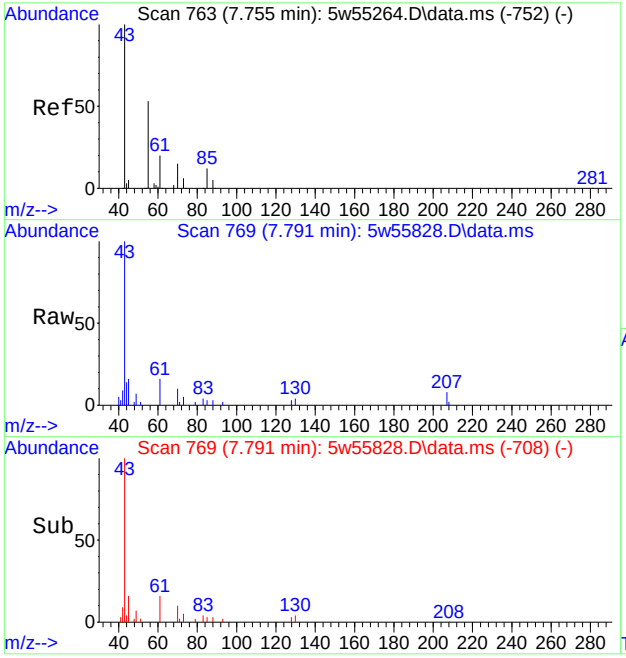


#41
METHYL ETHYL KETONE
Concen: 0.61 PPBV
RT: 7.100 min Scan# 656
Delta R.T. 0.043 min
Lab File: 5w55828.D
Acq: 23 Dec 2024 5:34 pm

Tgt Ion: 72 Resp: 5366

Ion	Ratio	Lower	Upper
72	100		
57	28.6	1.1	61.1
43	394.3	390.6	450.6

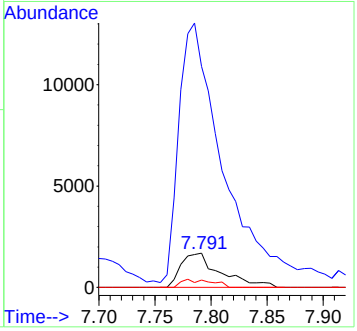


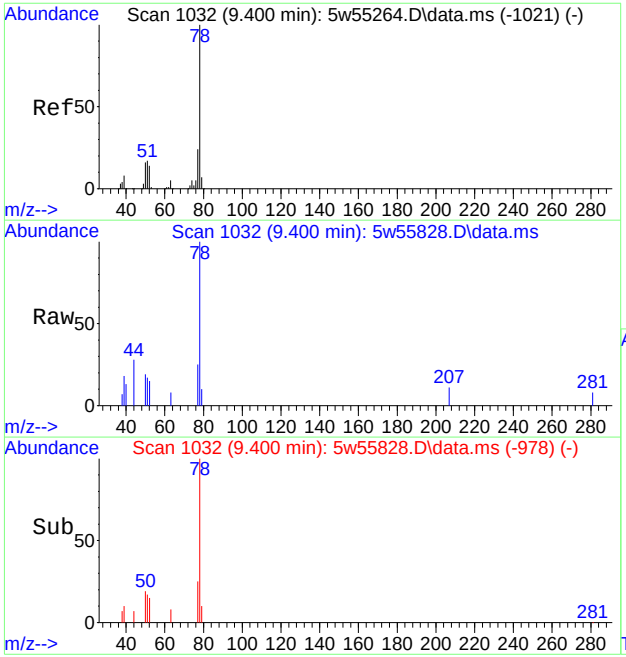


#44
ETHYL ACETATE
Concen: 0.64 PPBV
RT: 7.791 min Scan# 769
Delta R.T. 0.043 min
Lab File: 5w55828.D
Acq: 23 Dec 2024 5:34 pm

Tgt Ion: 61 Resp: 4149

Ion	Ratio	Lower	Upper
61	100		
43	922.7	0.0	30.0#
88	18.0	7.3	67.3

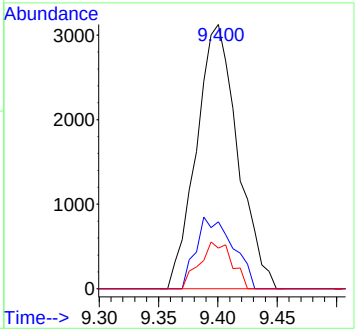


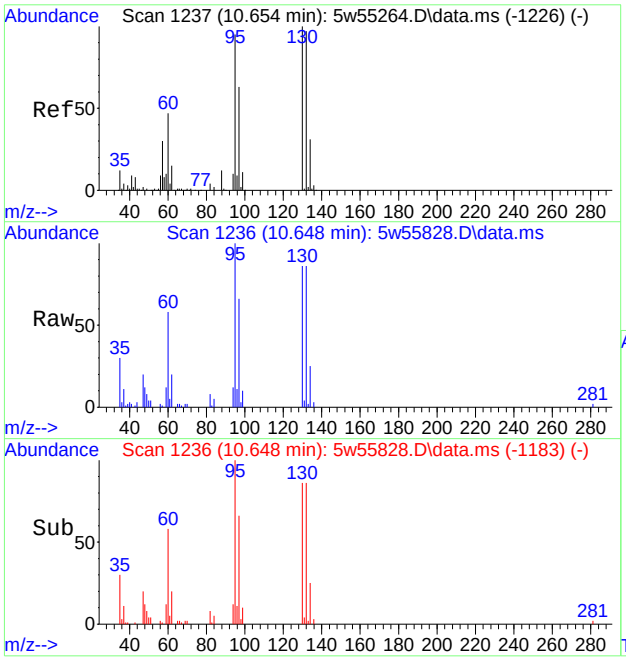


#52
BENZENE
Concen: 0.10 PPBV
RT: 9.400 min Scan# 1032
Delta R.T. 0.000 min
Lab File: 5w55828.D
Acq: 23 Dec 2024 5:34 pm

Tgt Ion: 78 Resp: 7566

Ion	Ratio	Lower	Upper
78	100		
77	24.1	0.0	54.0
52	13.8	0.0	45.6

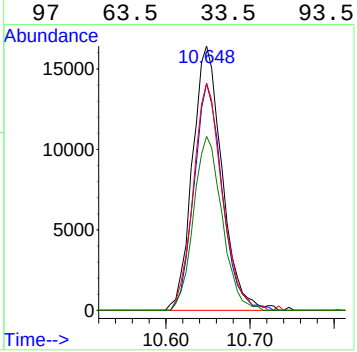


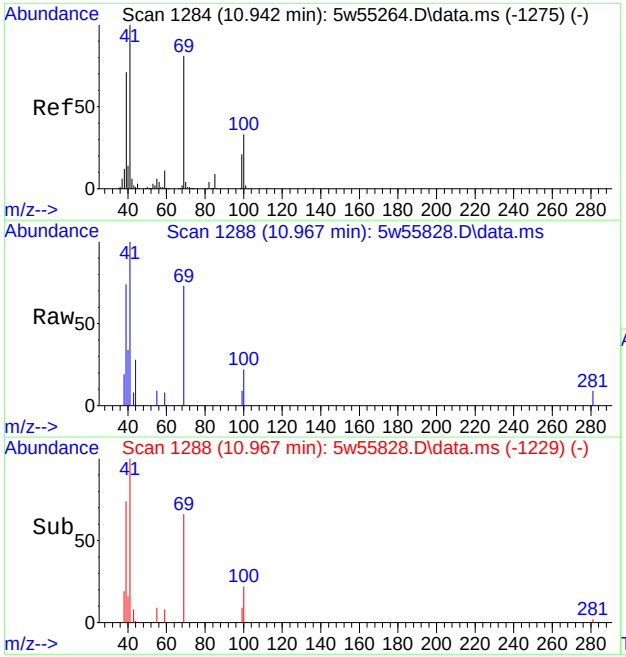


#55
TRICHLOROETHYLENE
Concen: 1.05 PPBV
RT: 10.648 min Scan# 1236
Delta R.T. -0.006 min
Lab File: 5w55828.D
Acq: 23 Dec 2024 5:34 pm

Tgt Ion: 95 Resp: 40165

Ion	Ratio	Lower	Upper
95	100		
132	82.0	60.0	120.0
130	83.5	64.1	124.1
97	63.5	33.5	93.5

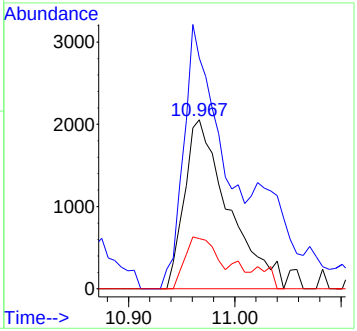


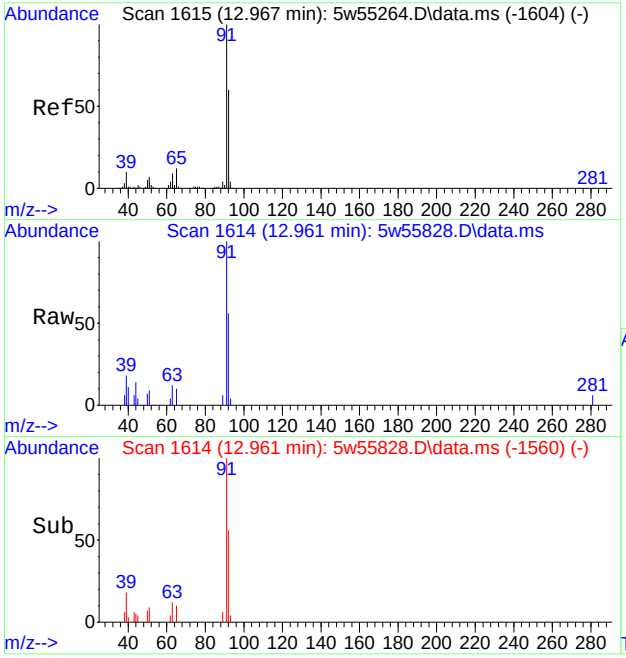


#63
METHYL METHACRYLATE
Concen: 0.25 PPBV
RT: 10.967 min Scan# 1288
Delta R.T. 0.031 min
Lab File: 5w55828.D
Acq: 23 Dec 2024 5:34 pm

Tgt Ion: 69 Resp: 5931

Ion	Ratio	Lower	Upper
69	100		
41	202.7	97.3	157.3#
100	33.1	3.0	63.0

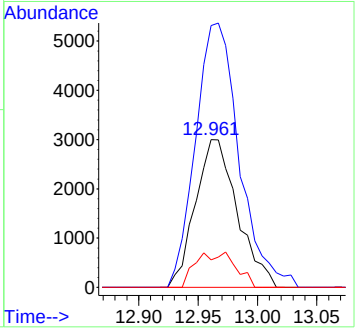


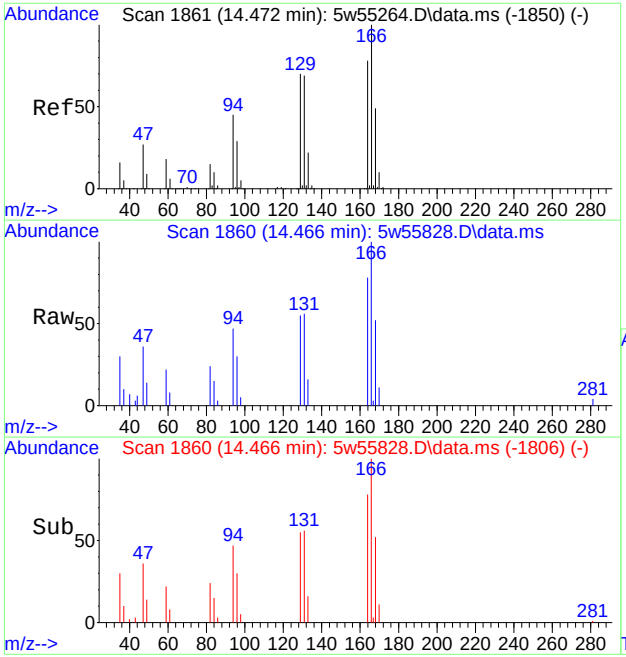


#66
TOLUENE
Concen: 0.15 PPBV
RT: 12.961 min Scan# 1614
Delta R.T. 0.000 min
Lab File: 5w55828.D
Acq: 23 Dec 2024 5:34 pm

Tgt Ion: 92 Resp: 7372

Ion	Ratio	Lower	Upper
92	100		
91	185.9	143.4	203.4
65	22.6	0.0	53.8

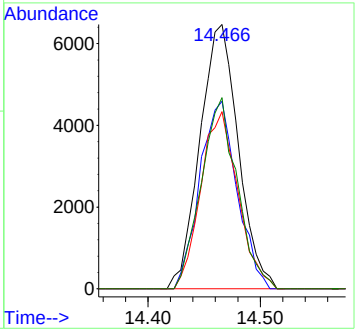


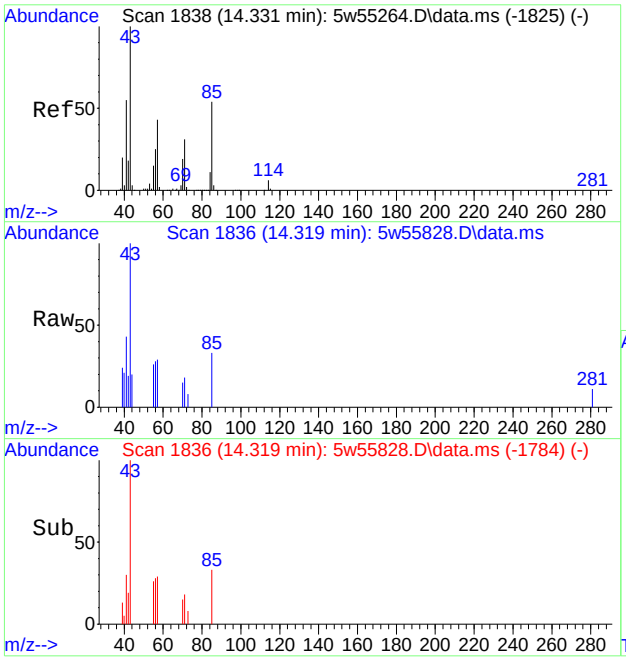


#73
TETRACHLOROETHYLENE
Concen: 0.43 PPBV
RT: 14.466 min Scan# 1860
Delta R.T. 0.000 min
Lab File: 5w55828.D
Acq: 23 Dec 2024 5:34 pm

Tgt Ion:164 Resp: 15453

Ion	Ratio	Lower	Upper
164	100		
129	68.7	64.4	124.4
168	64.8	31.2	91.2
131	67.7	60.5	120.5

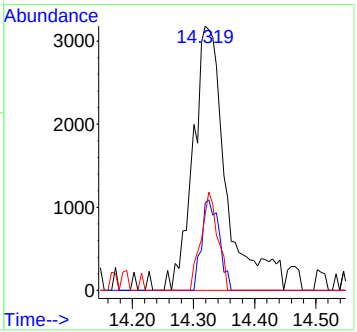


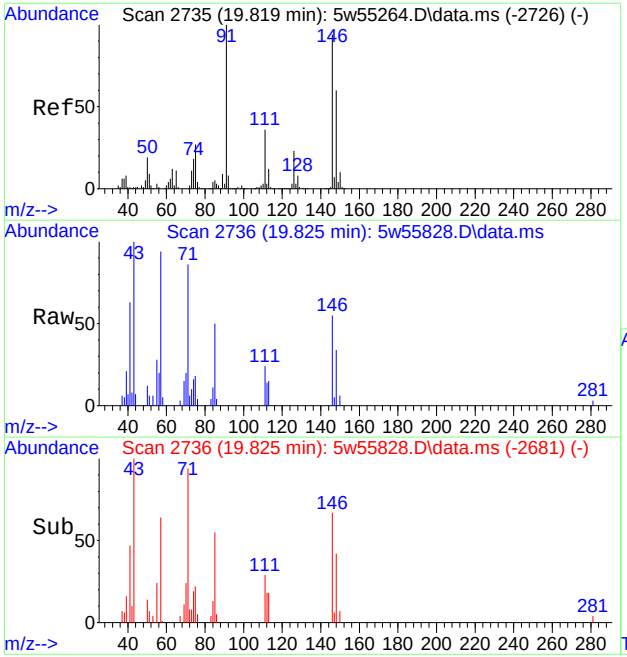


#76
OCTANE
Concen: 0.25 PPBV
RT: 14.319 min Scan# 1836
Delta R.T. -0.012 min
Lab File: 5w55828.D
Acq: 23 Dec 2024 5:34 pm

Tgt Ion: 43 Resp: 11994

Ion	Ratio	Lower	Upper
43	100		
85	18.3	13.7	73.7
57	18.8	9.9	69.9

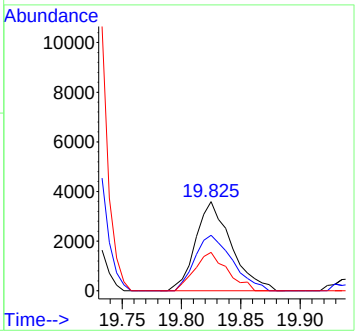




#97
m-DICHLOROBENZENE
Concen: 0.10 PPBV
RT: 19.825 min Scan# 2736
Delta R.T. 0.006 min
Lab File: 5w55828.D
Acq: 23 Dec 2024 5:34 pm

Tgt Ion:146 Resp: 7513

Ion	Ratio	Lower	Upper
146	100		
148	65.5	34.2	94.2
111	39.3	10.1	70.1



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 12/20/24 19:27

Quantitation Report (QT Reviewed)

Data Path : G:\Dayton\MSAIR\Done\2024\December\17 Dec 2024\v5w2132\
Data File : 5w55676.D
Acq On : 16 Dec 2024 11:21 pm
Operator : thomash
Sample : je2487-6
Misc : MS88104,V5W2132,500,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 20 20:20:27 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

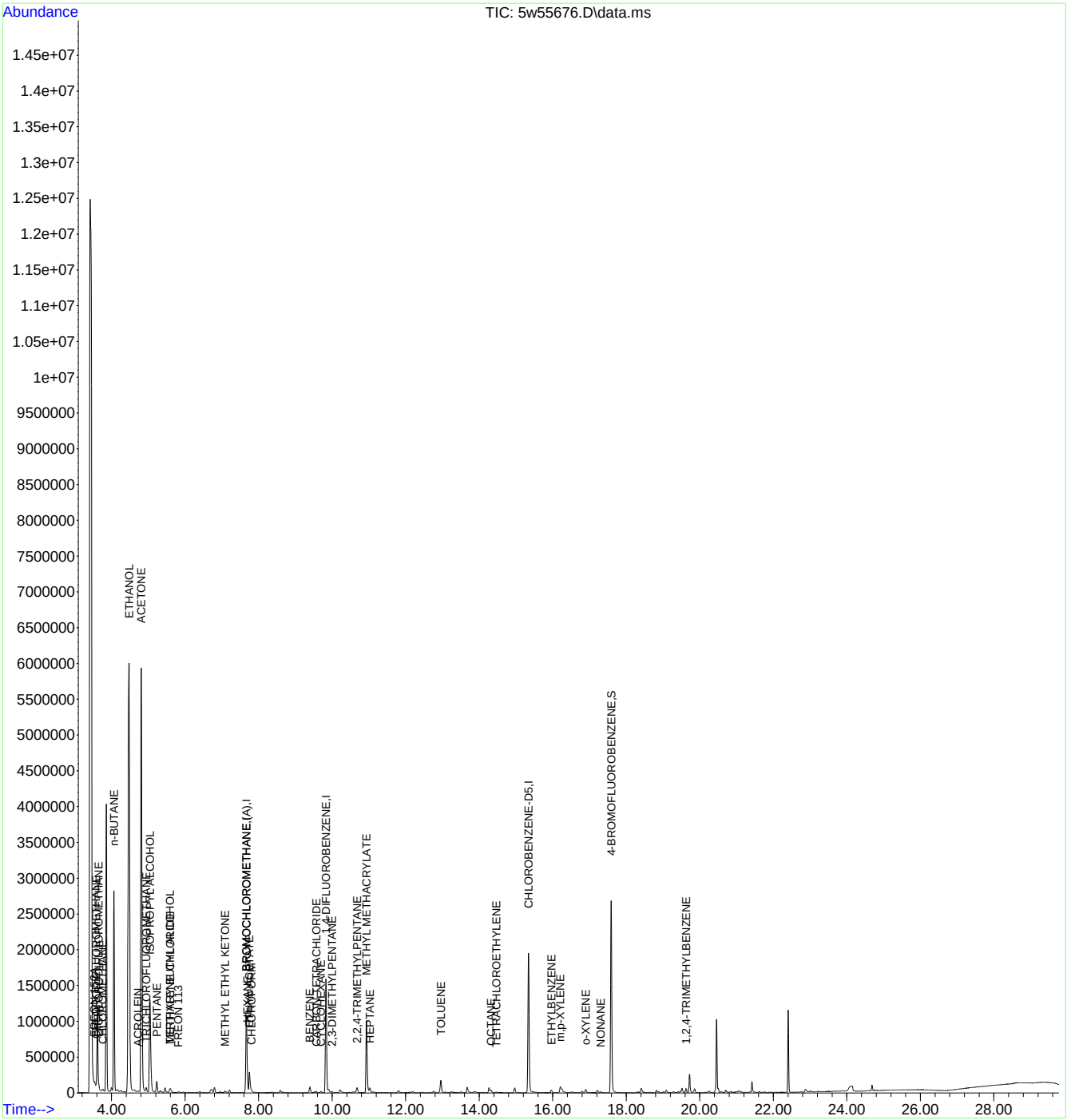
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	7.669	128	277336	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.828	114	1355901	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	15.341	82	836365	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.669	128	277336	10.00	PPBV		0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	17.586	95	1038331	11.09	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 110.90%				
Target Compounds							Qvalue
3) FREON 152A	3.539	65	19889	0.97	PPBV		64
4) CHLORODIFLUOROMETHANE	3.576	67	4312	0.41	PPBV		92
6) DICHLORODIFLUOROMETHANE	3.650	85	62792	0.62	PPBV		100
10) CHLOROMETHANE	3.772	52	6879	0.53	PPBV	#	73
13) n-BUTANE	4.066	43	2350794	39.68	PPBV		99
18) ACROLEIN	4.714	56	11390	0.76	PPBV		98
21) TRICHLOROFLUOROMETHANE	4.947	101	45689	0.49	PPBV		99
22) ISOPROPYL ALCOHOL	5.044	45	2123072	35.78	PPBV		97
23) ACETONE	4.806	58	2284171	102.12	PPBV		99
24) PENTANE	5.234	42	63870	2.17	PPBV		95
28) ETHANOL	4.475	45	9951475	457.56	PPBV		98
31) METHYLENE CHLORIDE	5.601	84	17286	0.59	PPBV		98
33) FREON 113	5.809	151	4791	0.10	PPBV		92
35) TERTIARY BUTYL ALCOHOL	5.583	59	40763	0.73	PPBV	#	54
38) HEXANE	7.699	57	38379	0.88	PPBV		93
41) METHYL ETHYL KETONE	7.082	72	10017	0.83	PPBV	#	78
44) ETHYL ACETATE	7.748	61	55942	6.30	PPBV	#	75
46) CHLOROFORM	7.810	83	11705	0.16	PPBV		96
49) CARBON TETRACHLORIDE	9.565	117	9058	0.12	PPBV		94
52) BENZENE	9.394	78	87612	0.89	PPBV		100
53) CYCLOHEXANE	9.694	84	8421	0.23	PPBV		86
54) 2,3-DIMETHYLPENTANE	9.994	71	3530	0.18	PPBV	#	88
60) 2,2,4-TRIMETHYLPENTANE	10.679	57	64020	0.43	PPBV		83
62) HEPTANE	11.028	43	28605	0.55	PPBV		97
63) METHYL METHACRYLATE	10.930	69	468118	14.33	PPBV		96
66) TOLUENE	12.961	92	86519	1.26	PPBV		96
73) TETRACHLOROETHYLENE	14.466	164	2180	0.04	PPBV		88
76) OCTANE	14.331	43	28931m	0.39	PPBV		
79) ETHYLBENZENE	15.965	91	38338	0.25	PPBV		95
80) m,p-XYLENE	16.209	106	38869	0.66	PPBV		96
81) o-XYLENE	16.901	106	14376	0.25	PPBV	#	81
83) NONANE	17.310	43	10356	0.14	PPBV	#	81
96) 1,2,4-TRIMETHYLBENZENE	19.629	105	34146	0.23	PPBV	#	37

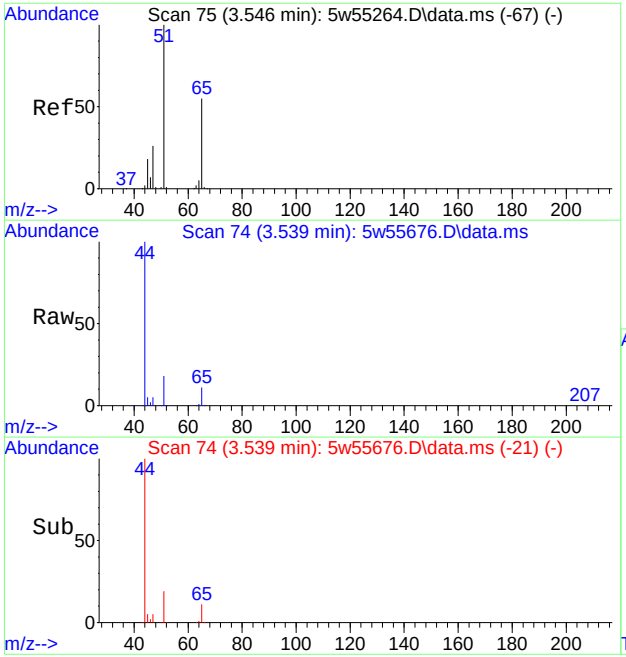
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : G:\Dayton\MSAIR\Done\2024\December\17 Dec 2024\v5w2132\
Data File : 5w55676.D
Acq On : 16 Dec 2024 11:21 pm
Operator : thomash
Sample : je2487-6
Misc : MS88104,V5W2132,500,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 20 20:20:27 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

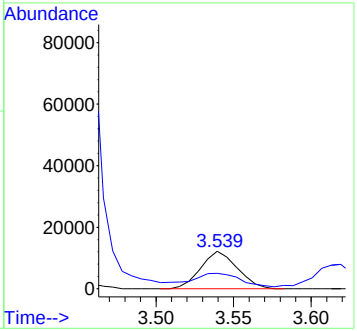


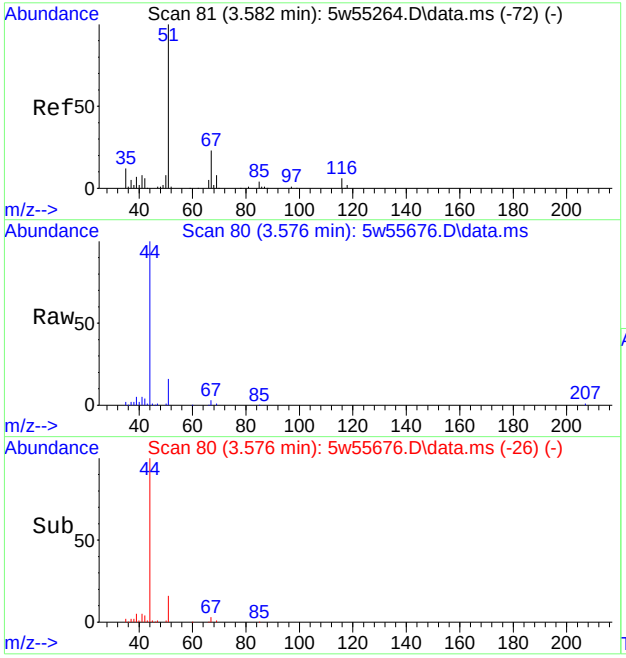


#3
FREON 152A
Concen: 0.97 PPBV
RT: 3.539 min Scan# 74
Delta R.T. -0.006 min
Lab File: 5w55676.D
Acq: 16 Dec 2024 11:21 pm

Tgt Ion: 65 Resp: 19889

Ion	Ratio	Lower	Upper
65	100		
45	52.0	1.8	61.8

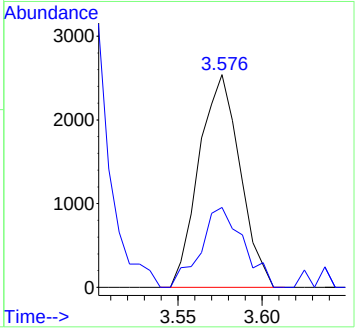


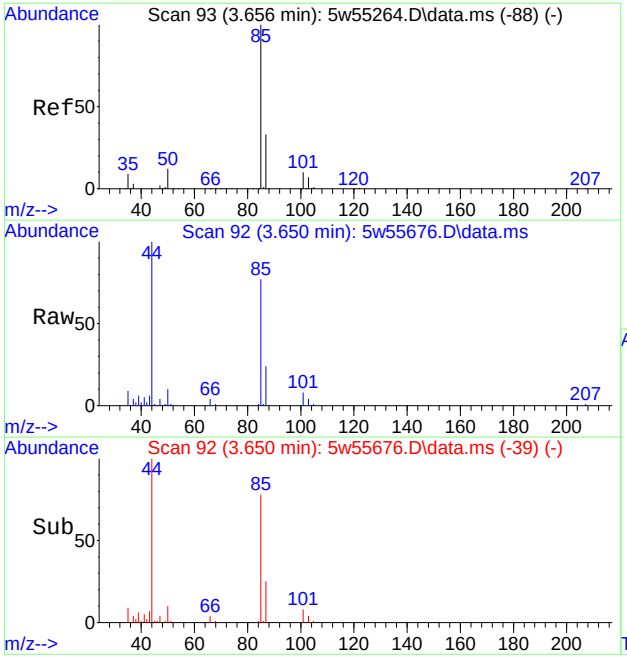


#4
CHLORODIFLUOROMETHANE
Concen: 0.41 PPBV
RT: 3.576 min Scan# 80
Delta R.T. -0.000 min
Lab File: 5w55676.D
Acq: 16 Dec 2024 11:21 pm

Tgt Ion: 67 Resp: 4312

Ion	Ratio	Lower	Upper
67	100		
69	37.6	2.9	62.9

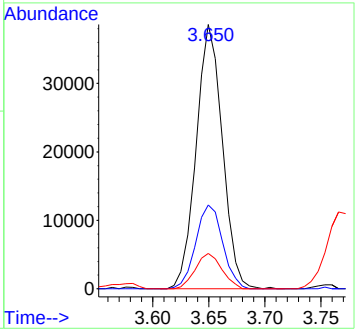


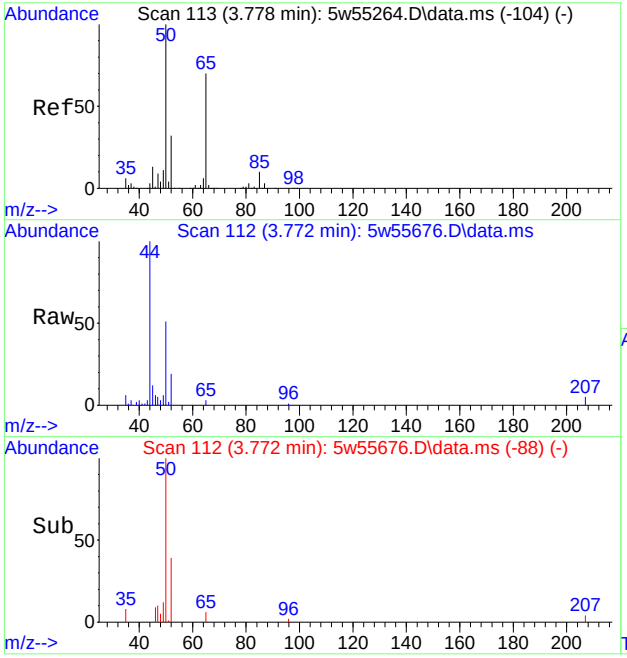


#6
DICHLORODIFLUOROMETHANE
Concen: 0.62 PPBV
RT: 3.650 min Scan# 92
Delta R.T. -0.006 min
Lab File: 5w55676.D
Acq: 16 Dec 2024 11:21 pm

Tgt Ion: 85 Resp: 62792

Ion	Ratio	Lower	Upper
85	100		
87	32.6	2.6	62.6
50	13.6	0.0	43.0

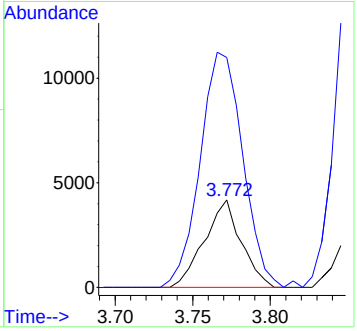


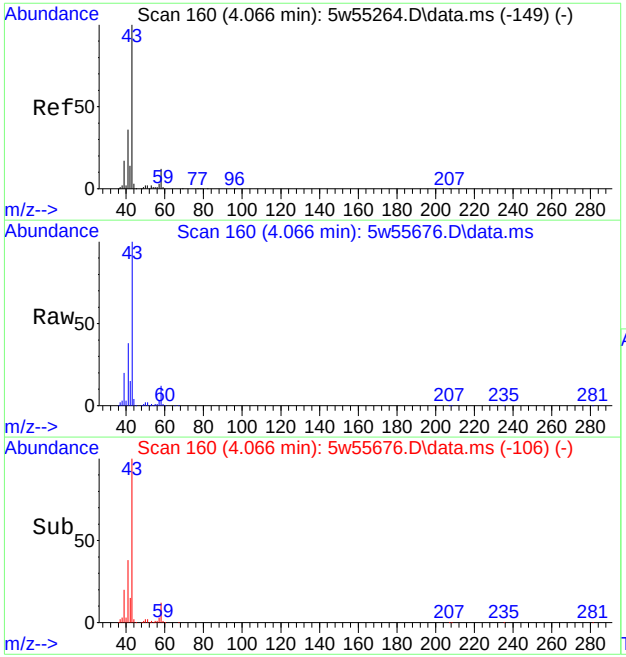


#10
CHLOROMETHANE
Concen: 0.53 PPBV
RT: 3.772 min Scan# 112
Delta R.T. -0.000 min
Lab File: 5w55676.D
Acq: 16 Dec 2024 11:21 pm

Tgt Ion: 52 Resp: 6879

Ion	Ratio	Lower	Upper
52	100		
50	262.6	287.9	347.9#

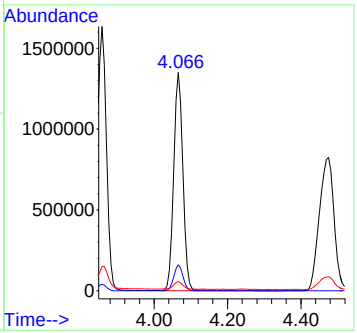


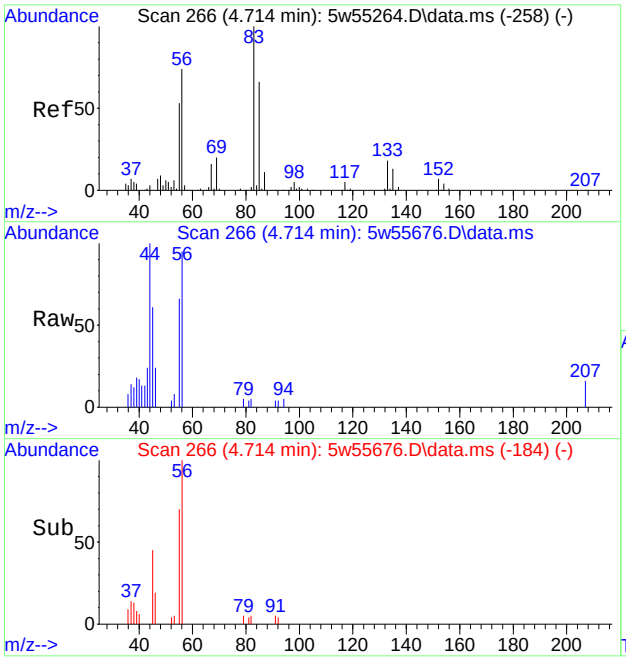


#13
n-BUTANE
Concen: 39.68 PPBV
RT: 4.066 min Scan# 160
Delta R.T. -0.000 min
Lab File: 5w55676.D
Acq: 16 Dec 2024 11:21 pm

Tgt Ion: 43 Resp: 2350794

Ion	Ratio	Lower	Upper
43	100		
58	11.8	0.0	41.6
44	5.3	0.0	34.7

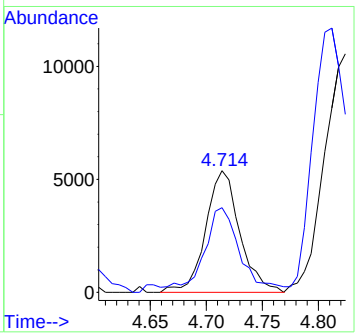


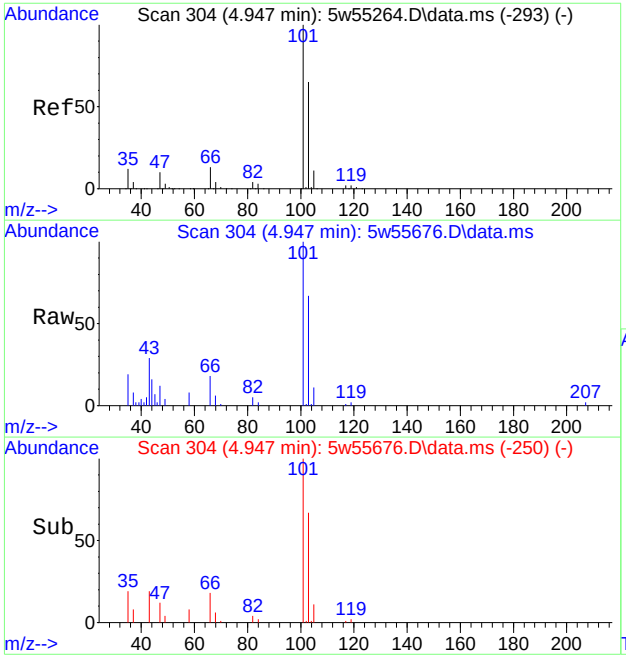


#18
ACROLEIN
Concen: 0.76 PPBV
RT: 4.714 min Scan# 266
Delta R.T. -0.000 min
Lab File: 5w55676.D
Acq: 16 Dec 2024 11:21 pm

Tgt Ion: 56 Resp: 11390

Ion	Ratio	Lower	Upper
56	100		
55	73.1	49.8	92.6

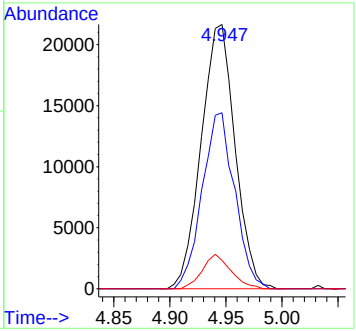


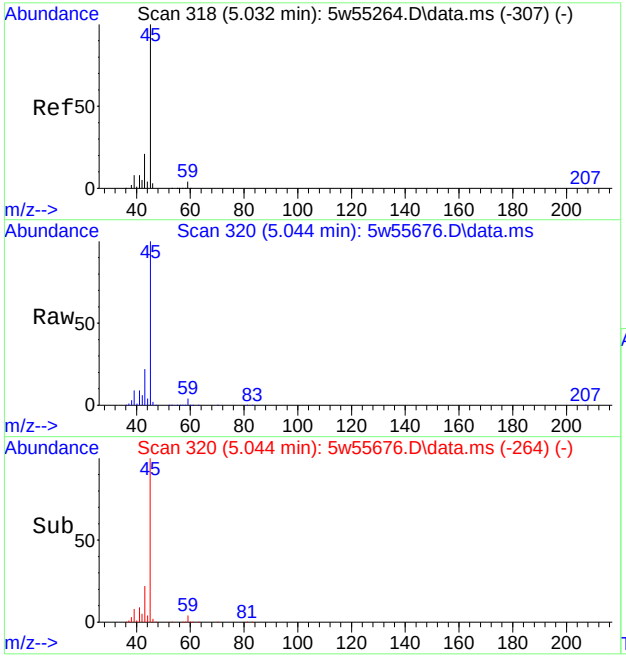


#21
TRICHLOROFLUOROMETHANE
Concen: 0.49 PPBV
RT: 4.947 min Scan# 304
Delta R.T. -0.000 min
Lab File: 5w55676.D
Acq: 16 Dec 2024 11:21 pm

Tgt Ion:101 Resp: 45689

Ion	Ratio	Lower	Upper
101	100		
103	63.7	34.7	94.7
105	11.0	0.0	40.5

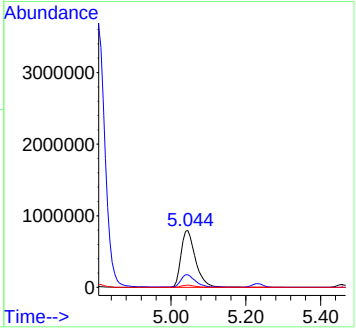


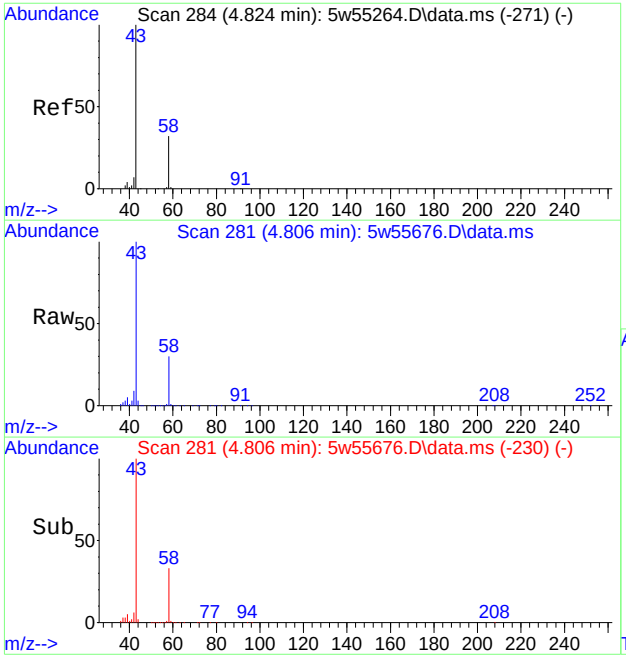


#22
ISOPROPYL ALCOHOL
Concen: 35.78 PPBV
RT: 5.044 min Scan# 320
Delta R.T. 0.012 min
Lab File: 5w55676.D
Acq: 16 Dec 2024 11:21 pm

Tgt Ion: 45 Resp: 2123072

Ion	Ratio	Lower	Upper
45	100		
43	22.3	0.0	50.8
59	3.8	0.0	33.8

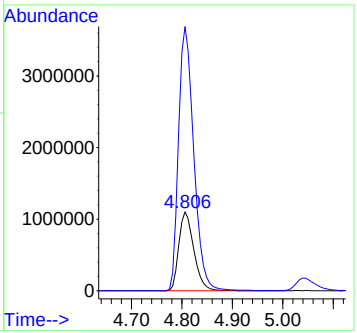


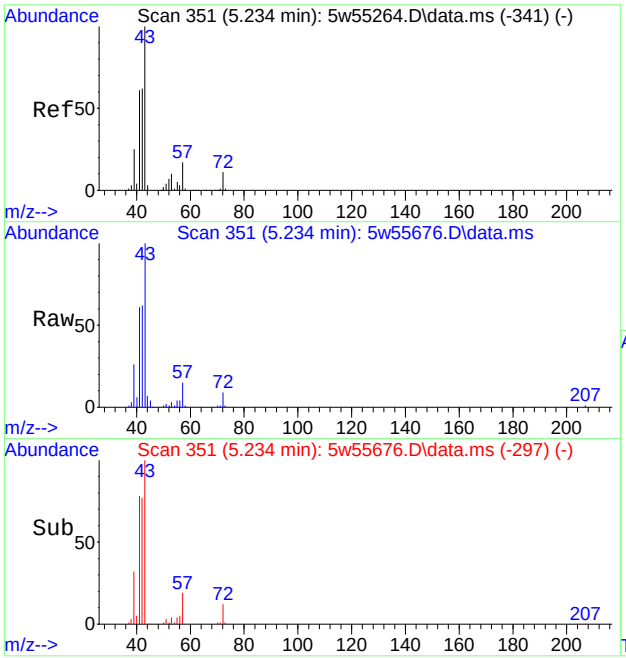


#23
ACETONE
Concen: 102.12 PPBV
RT: 4.806 min Scan# 281
Delta R.T. -0.018 min
Lab File: 5w55676.D
Acq: 16 Dec 2024 11:21 pm

Tgt Ion: 58 Resp: 2284171

Ion	Ratio	Lower	Upper
58	100		
43	339.1	312.3	372.3

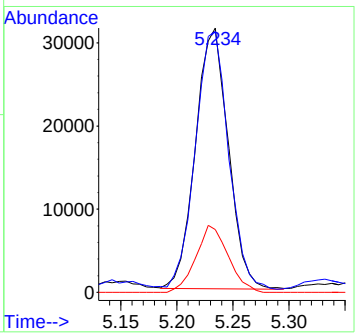


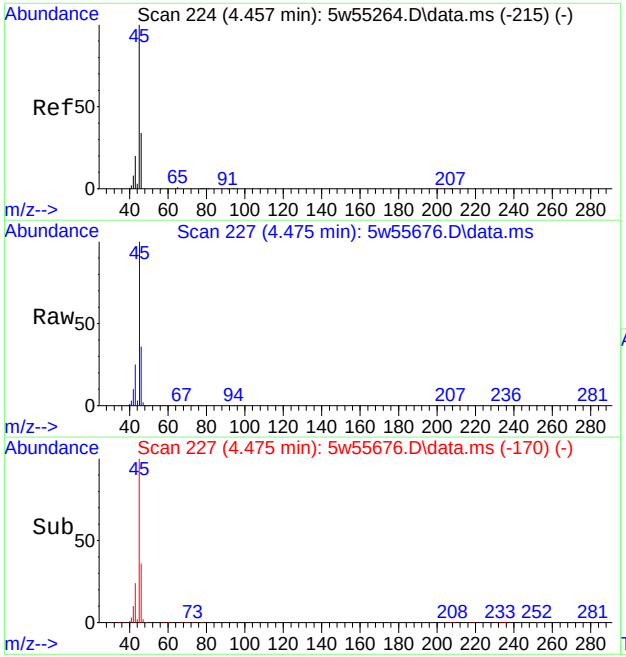


#24
PENTANE
Concen: 2.17 PPBV
RT: 5.234 min Scan# 351
Delta R.T. -0.000 min
Lab File: 5w55676.D
Acq: 16 Dec 2024 11:21 pm

Tgt Ion: 42 Resp: 63870

Ion	Ratio	Lower	Upper
42	100		
41	100.7	64.4	124.4
57	25.2	0.0	55.0

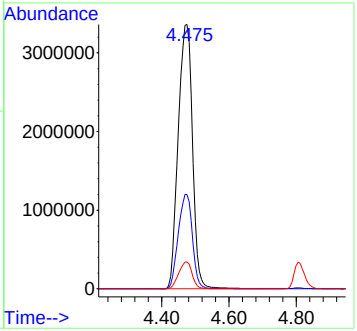


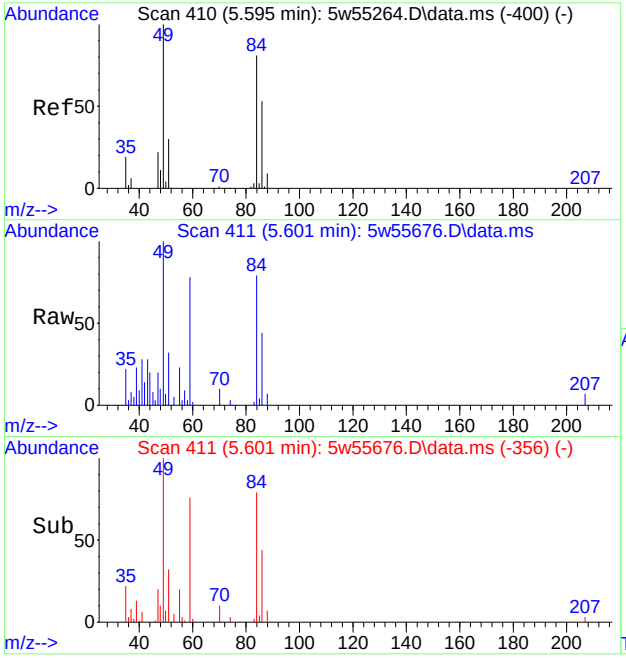


#28
ETHANOL
Concen: 457.56 PPBV
RT: 4.475 min Scan# 227
Delta R.T. 0.018 min
Lab File: 5w55676.D
Acq: 16 Dec 2024 11:21 pm

Tgt Ion: 45 Resp: 9951475

Ion	Ratio	Lower	Upper
45	100		
46	35.3	4.5	64.5
42	9.6	0.0	38.6

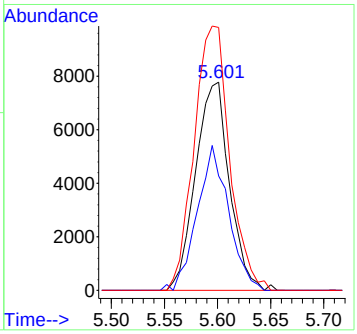


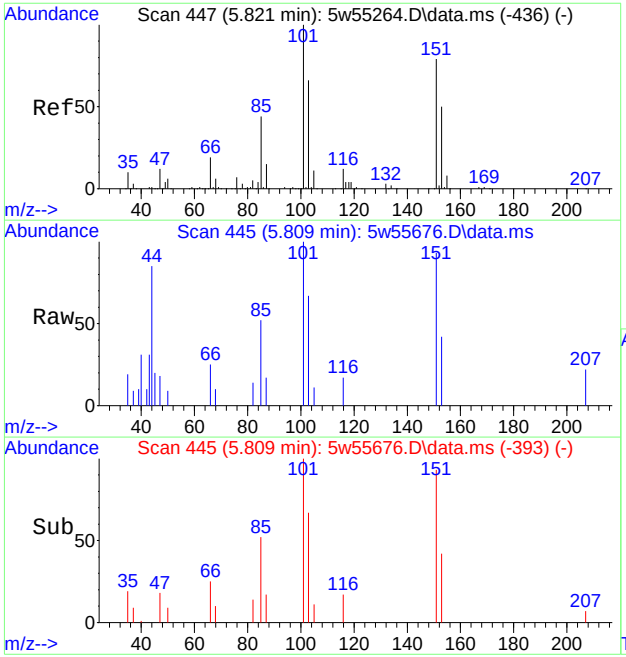


#31
METHYLENE CHLORIDE
Concen: 0.59 PPBV
RT: 5.601 min Scan# 411
Delta R.T. 0.006 min
Lab File: 5w55676.D
Acq: 16 Dec 2024 11:21 pm

Tgt Ion: 84 Resp: 17286

Ion	Ratio	Lower	Upper
84	100		
86	64.3	34.0	94.0
49	132.8	105.8	165.8

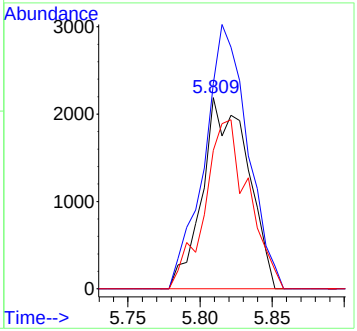


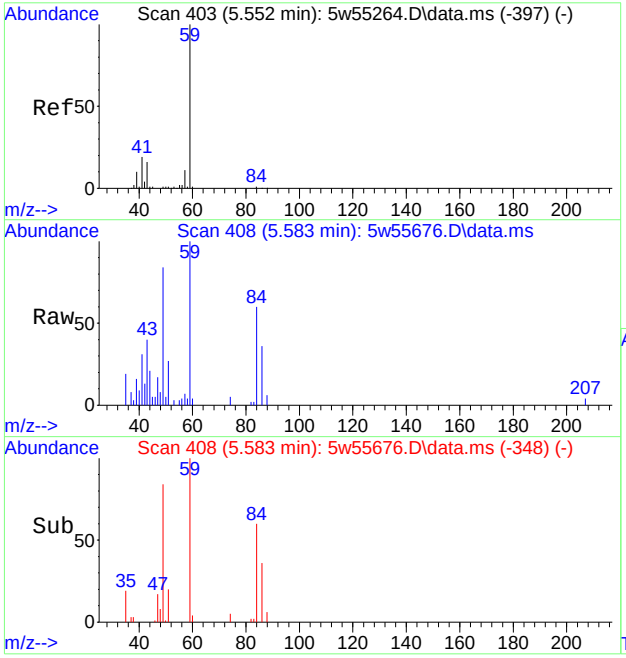


#33
FREON 113
Concen: 0.10 PPBV
RT: 5.809 min Scan# 445
Delta R.T. -0.012 min
Lab File: 5w55676.D
Acq: 16 Dec 2024 11:21 pm

Tgt Ion:151 Resp: 4791

Ion	Ratio	Lower	Upper
151	100		
101	132.4	112.2	172.2
103	85.3	62.0	122.0

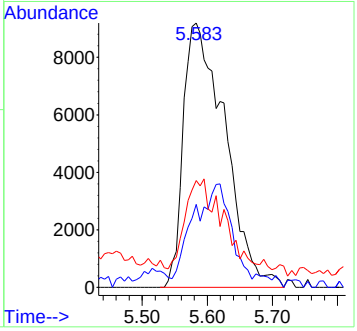


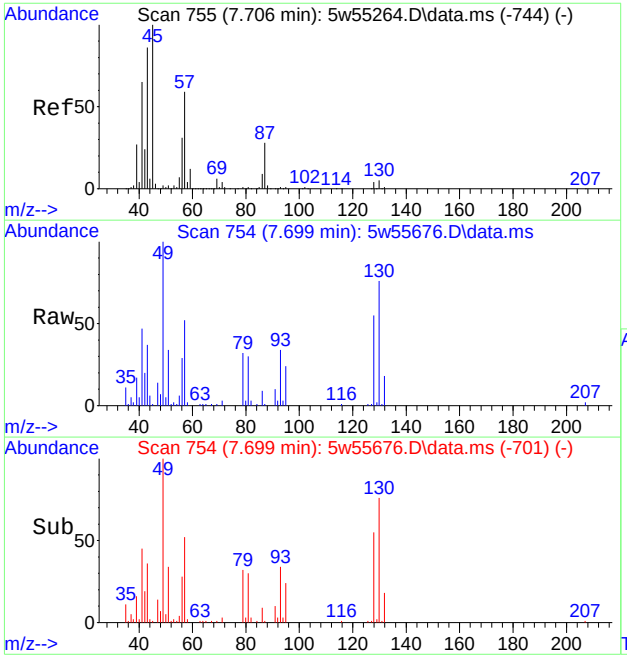


#35
TERTIARY BUTYL ALCOHOL
Concen: 0.73 PPBV
RT: 5.583 min Scan# 408
Delta R.T. 0.037 min
Lab File: 5w55676.D
Acq: 16 Dec 2024 11:21 pm

Tgt Ion: 59 Resp: 40763

Ion	Ratio	Lower	Upper
59	100		
41	0.0	0.0	53.1
43	36.5	0.0	47.1

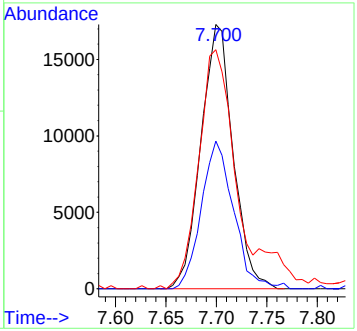


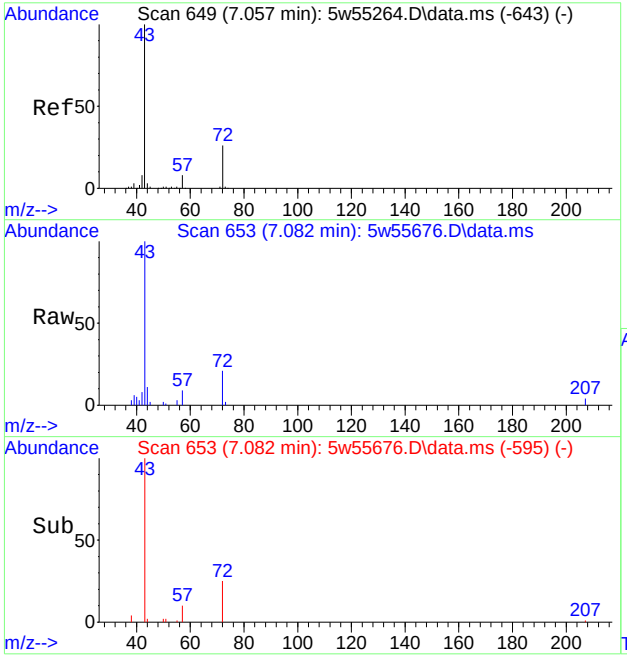


#38
HEXANE
Concen: 0.88 PPBV
RT: 7.699 min Scan# 754
Delta R.T. -0.006 min
Lab File: 5w55676.D
Acq: 16 Dec 2024 11:21 pm

Tgt Ion: 57 Resp: 38379

Ion	Ratio	Lower	Upper
57	100		
56	56.2	24.2	84.2
41	111.8	92.1	152.1

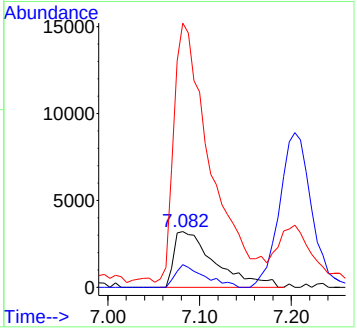


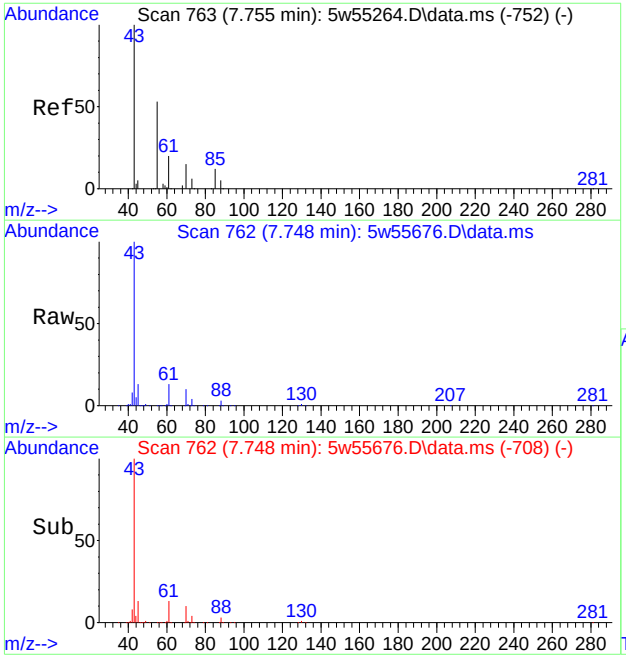


#41
METHYL ETHYL KETONE
Concen: 0.83 PPBV
RT: 7.082 min Scan# 653
Delta R.T. 0.024 min
Lab File: 5w55676.D
Acq: 16 Dec 2024 11:21 pm

Tgt Ion: 72 Resp: 10017

Ion	Ratio	Lower	Upper
72	100		
57	40.8	1.1	61.1
43	474.8	390.6	450.6#

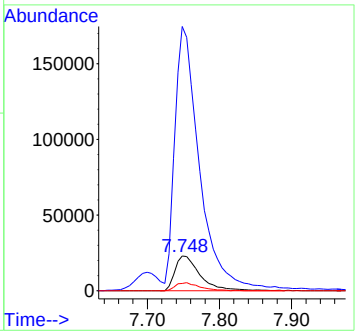


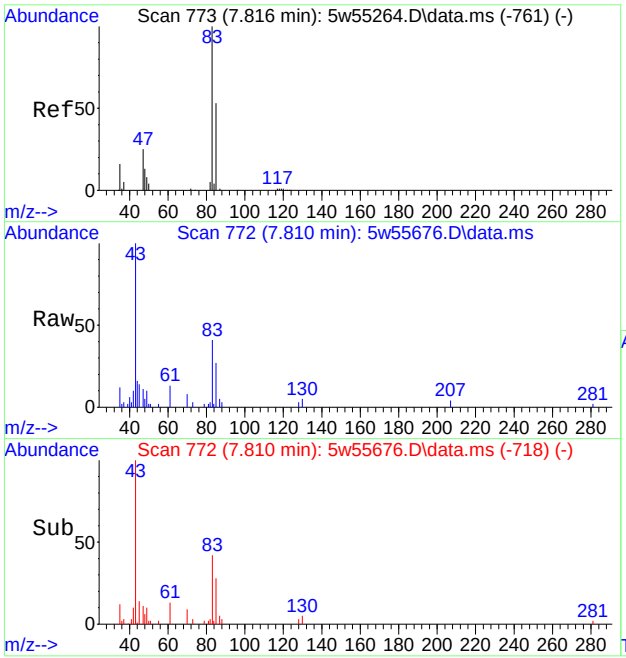


#44
ETHYL ACETATE
Concen: 6.30 PPBV
RT: 7.748 min Scan# 762
Delta R.T. -0.000 min
Lab File: 5w55676.D
Acq: 16 Dec 2024 11:21 pm

Tgt Ion: 61 Resp: 55942

Ion	Ratio	Lower	Upper
61	100		
43	757.0	0.0	30.0#
88	22.1	7.3	67.3

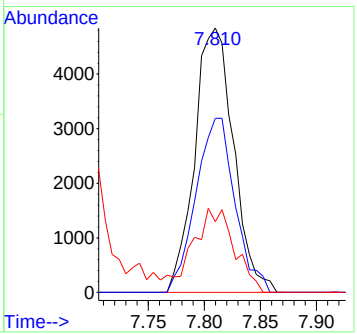


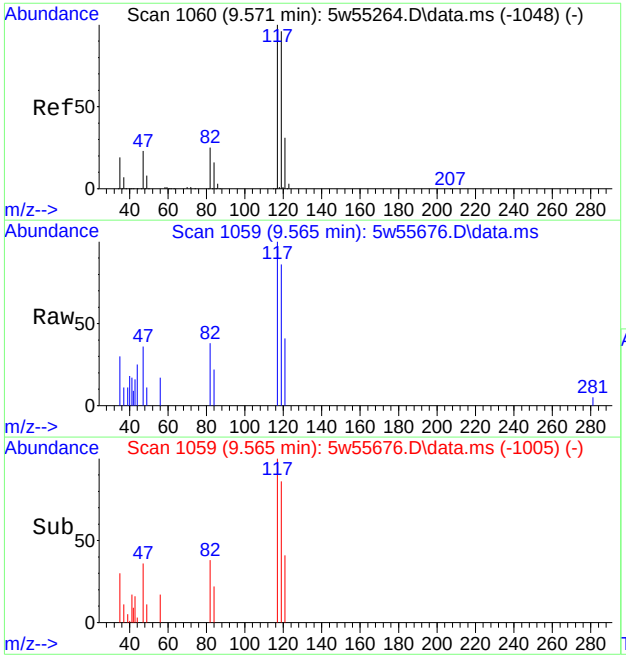


#46
CHLOROFORM
Concen: 0.16 PPBV
RT: 7.810 min Scan# 772
Delta R.T. -0.000 min
Lab File: 5w55676.D
Acq: 16 Dec 2024 11:21 pm

Tgt Ion: 83 Resp: 11705

Ion	Ratio	Lower	Upper
83	100		
85	66.3	35.5	95.5
47	32.6	0.0	56.8

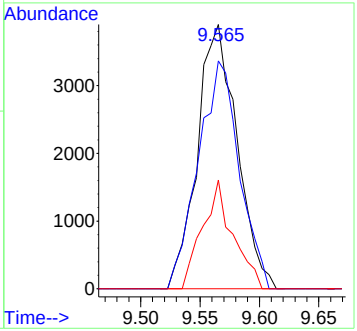


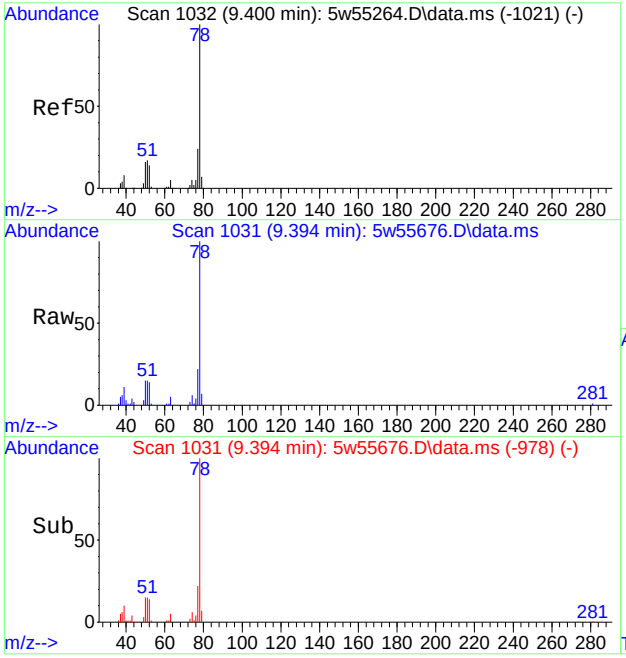


#49
CARBON TETRACHLORIDE
Concen: 0.12 PPBV
RT: 9.565 min Scan# 1059
Delta R.T. -0.000 min
Lab File: 5w55676.D
Acq: 16 Dec 2024 11:21 pm

Tgt Ion:117 Resp: 9058

Ion	Ratio	Lower	Upper
117	100		
119	89.2	65.9	125.9
121	31.4	0.7	60.7

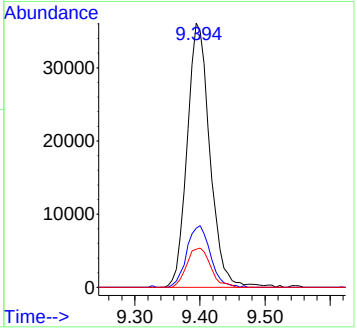


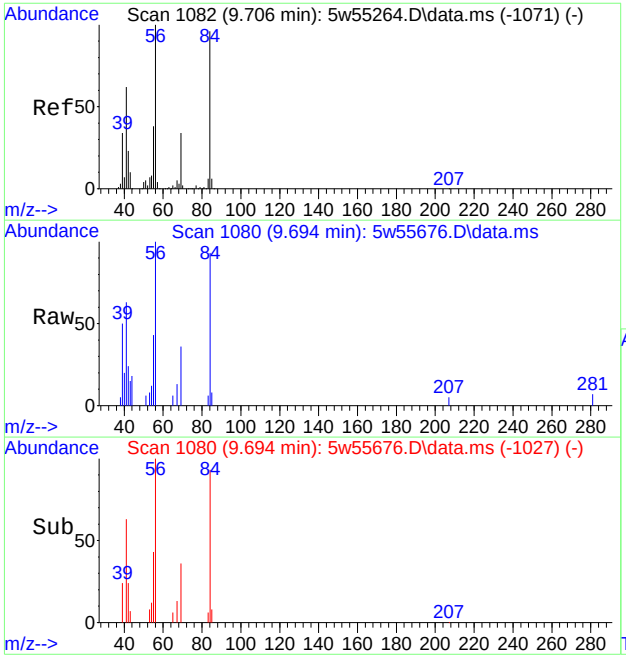


#52
BENZENE
Concen: 0.89 PPBV
RT: 9.394 min Scan# 1031
Delta R.T. -0.006 min
Lab File: 5w55676.D
Acq: 16 Dec 2024 11:21 pm

Tgt Ion: 78 Resp: 87612

Ion	Ratio	Lower	Upper
78	100		
77	24.2	0.0	54.0
52	15.6	0.0	45.6

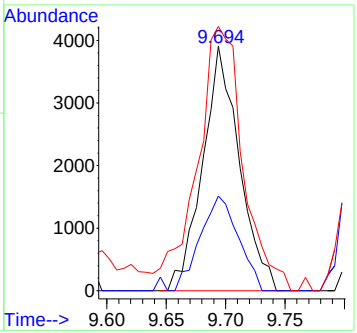


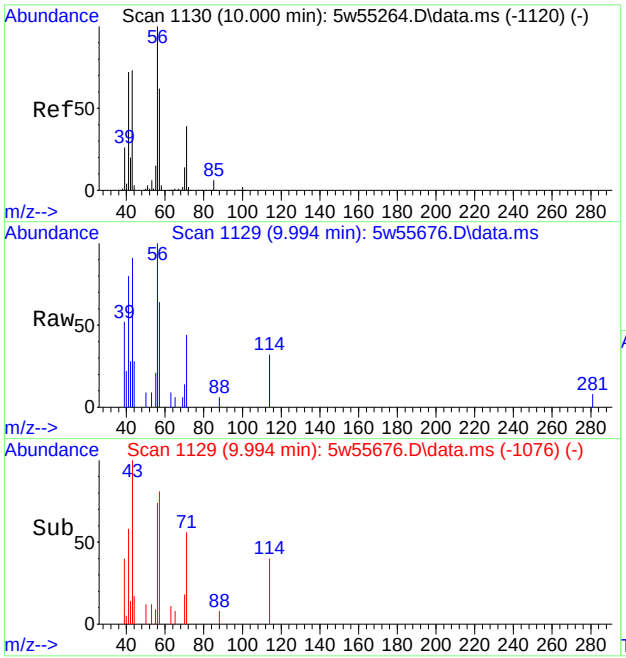


#53
CYCLOHEXANE
Concen: 0.23 PPBV
RT: 9.694 min Scan# 1080
Delta R.T. -0.006 min
Lab File: 5w55676.D
Acq: 16 Dec 2024 11:21 pm

Tgt Ion: 84 Resp: 8421

Ion	Ratio	Lower	Upper
84	100		
69	40.1	7.0	67.0
56	134.2	86.5	146.5

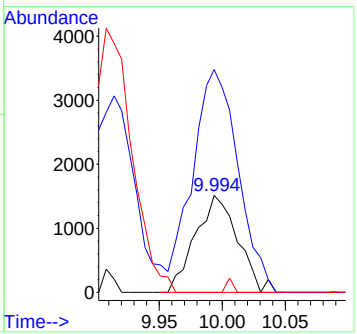


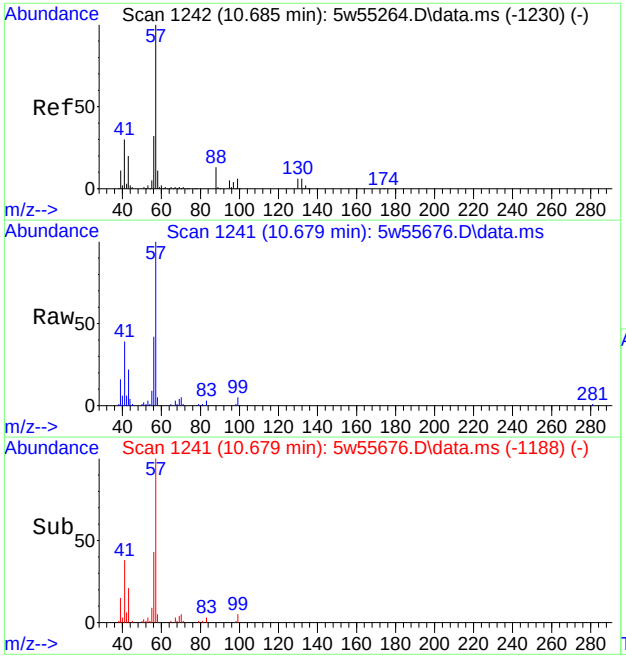


#54
2,3-DIMETHYLPENTANE
Concen: 0.18 PPBV
RT: 9.994 min Scan# 1129
Delta R.T. -0.006 min
Lab File: 5w55676.D
Acq: 16 Dec 2024 11:21 pm

Tgt Ion: 71 Resp: 3530

Ion	Ratio	Lower	Upper
71	100		
56	247.0	235.4	295.4
85	0.0	0.0	45.3

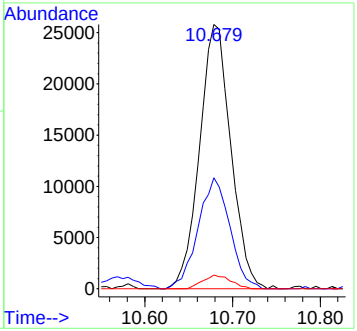


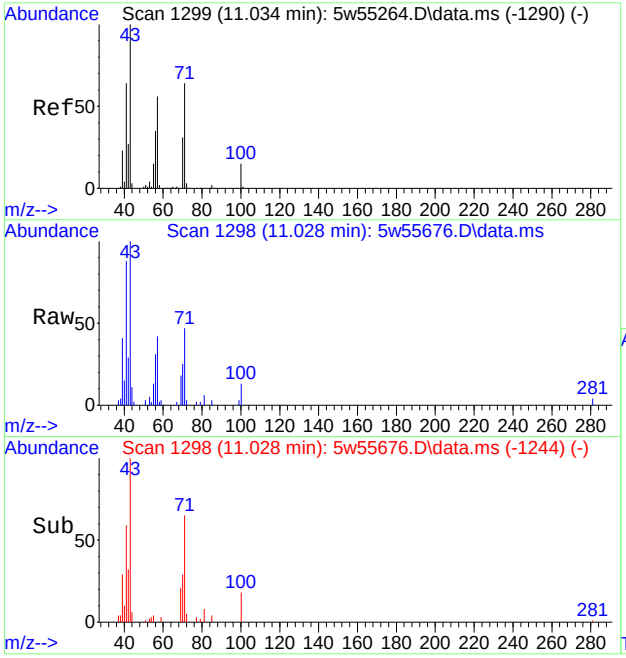


#60
2,2,4-TRIMETHYLPENTANE
Concen: 0.43 PPBV
RT: 10.679 min Scan# 1241
Delta R.T. -0.006 min
Lab File: 5w55676.D
Acq: 16 Dec 2024 11:21 pm

Tgt Ion: 57 Resp: 64020

Ion	Ratio	Lower	Upper
57	100		
56	42.6	2.2	62.2
99	4.6	0.0	37.6

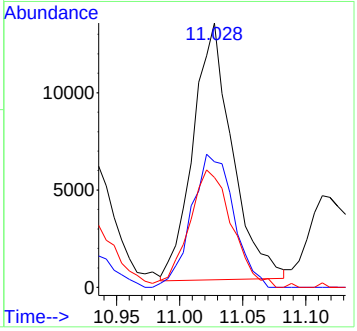


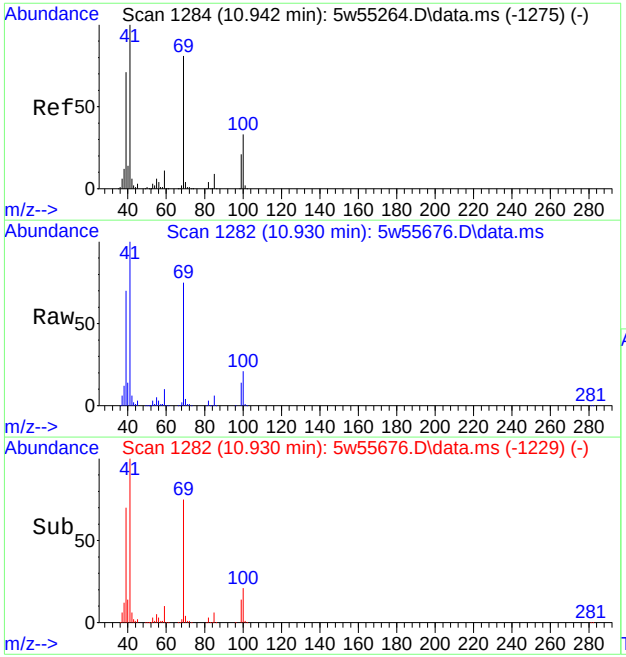


#62
HEPTANE
Concen: 0.55 PPBV
RT: 11.028 min Scan# 1298
Delta R.T. -0.000 min
Lab File: 5w55676.D
Acq: 16 Dec 2024 11:21 pm

Tgt Ion: 43 Resp: 28605

Ion	Ratio	Lower	Upper
43	100		
71	55.2	27.2	87.2
57	49.9	22.5	82.5

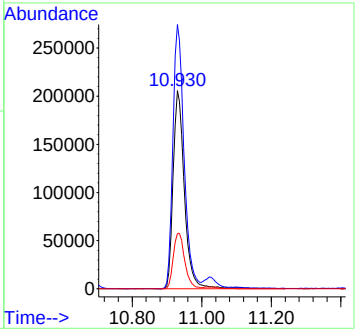


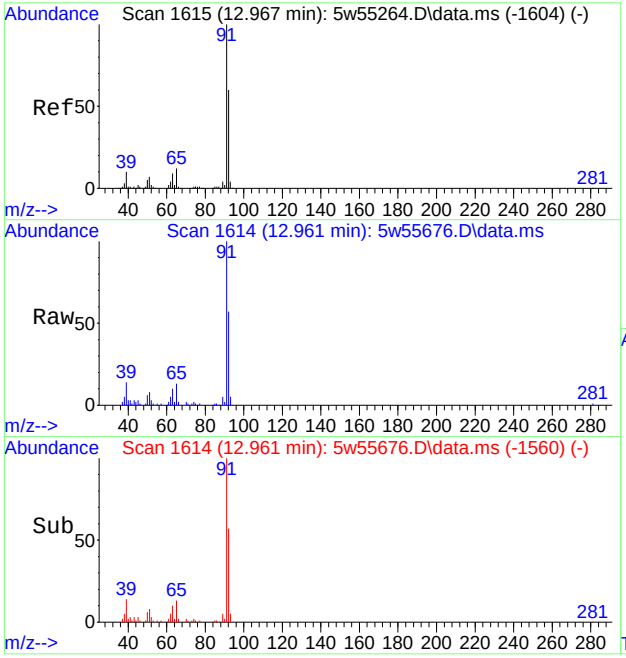


#63
METHYL METHACRYLATE
Concen: 14.33 PPBV
RT: 10.930 min Scan# 1282
Delta R.T. -0.006 min
Lab File: 5w55676.D
Acq: 16 Dec 2024 11:21 pm

Tgt Ion: 69 Resp: 468118

Ion	Ratio	Lower	Upper
69	100		
41	131.2	97.3	157.3
100	28.3	3.0	63.0

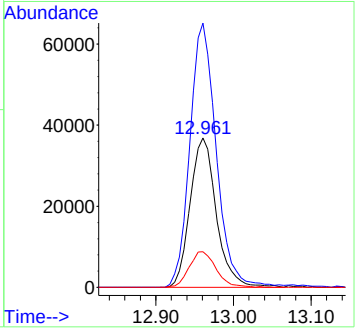


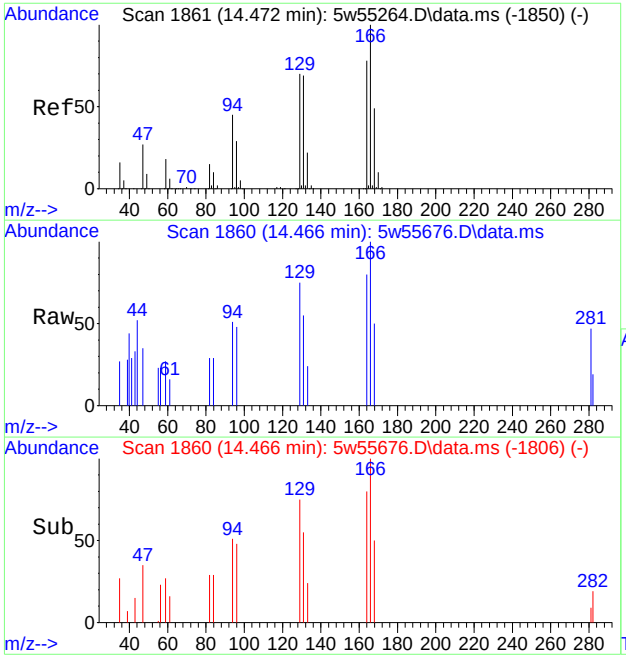


#66
TOLUENE
Concen: 1.26 PPBV
RT: 12.961 min Scan# 1614
Delta R.T. -0.000 min
Lab File: 5w55676.D
Acq: 16 Dec 2024 11:21 pm

Tgt Ion: 92 Resp: 86519

Ion	Ratio	Lower	Upper
92	100		
91	179.1	143.4	203.4
65	24.5	0.0	53.8

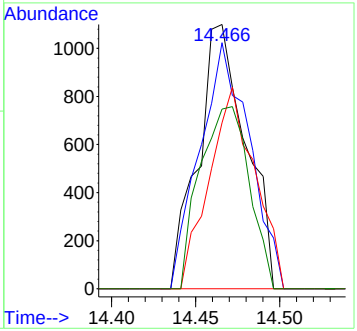


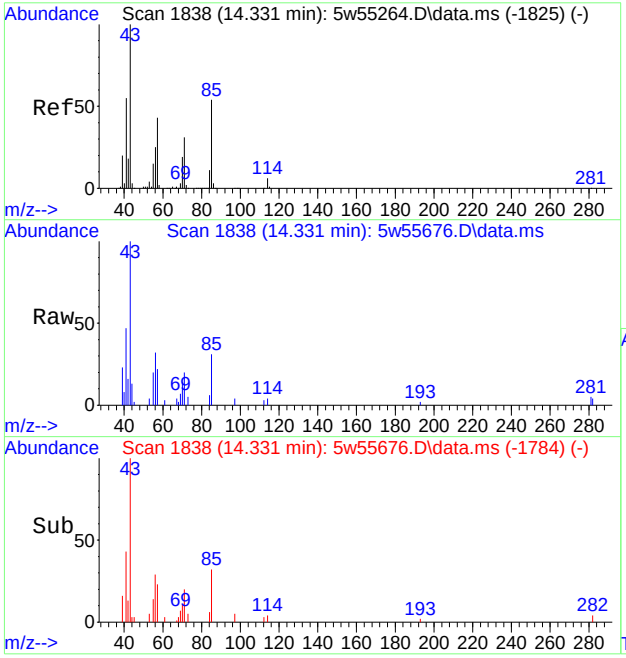


#73
TETRACHLOROETHYLENE
Concen: 0.04 PPBV
RT: 14.466 min Scan# 1860
Delta R.T. -0.000 min
Lab File: 5w55676.D
Acq: 16 Dec 2024 11:21 pm

Tgt Ion:164 Resp: 2180

Ion	Ratio	Lower	Upper
164	100		
129	96.8	64.4	124.4
168	72.3	31.2	91.2
131	70.9	60.5	120.5

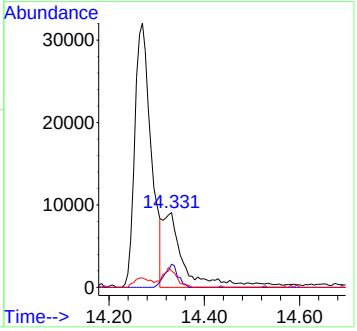


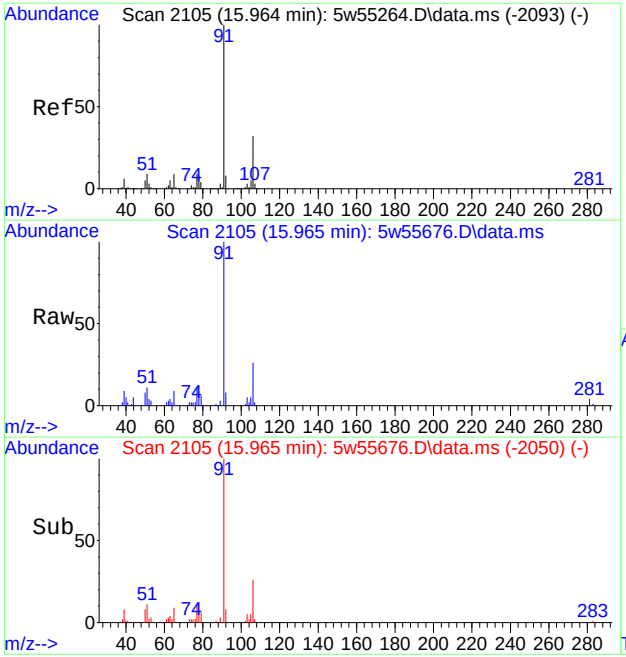


#76
OCTANE
Concen: 0.39 PPBV m
RT: 14.331 min Scan# 1838
Delta R.T. -0.000 min
Lab File: 5w55676.D
Acq: 16 Dec 2024 11:21 pm

Tgt Ion: 43 Resp: 28931

Ion	Ratio	Lower	Upper
43	100		
85	0.0	13.7	73.7#
57	9.6	9.9	69.9#

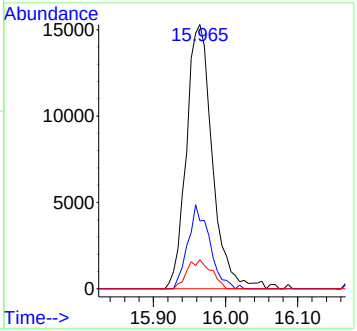


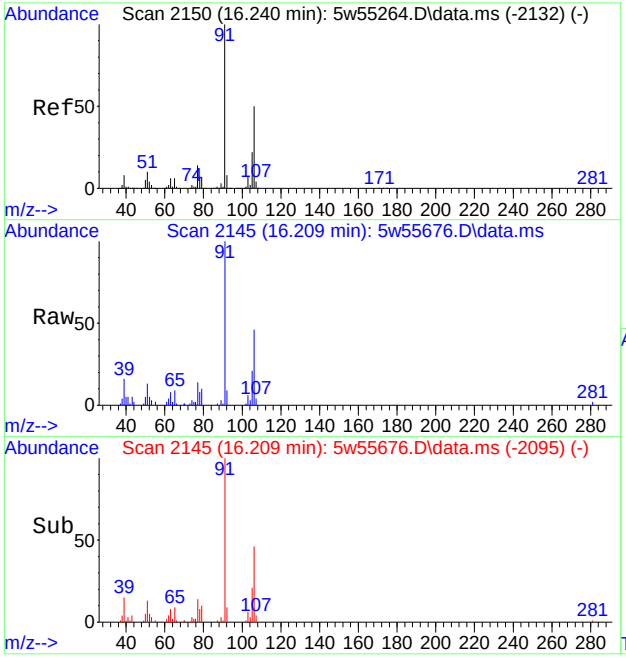


#79
ETHYLBENZENE
Concen: 0.25 PPBV
RT: 15.965 min Scan# 2105
Delta R.T. 0.006 min
Lab File: 5w55676.D
Acq: 16 Dec 2024 11:21 pm

Tgt Ion: 91 Resp: 38338

Ion	Ratio	Lower	Upper
91	100		
106	26.5	0.0	59.9
77	10.2	0.0	39.1

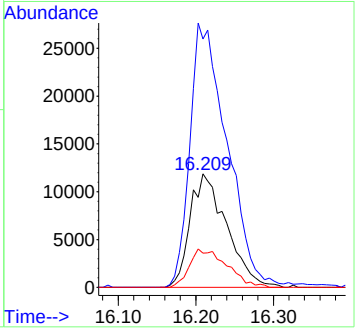


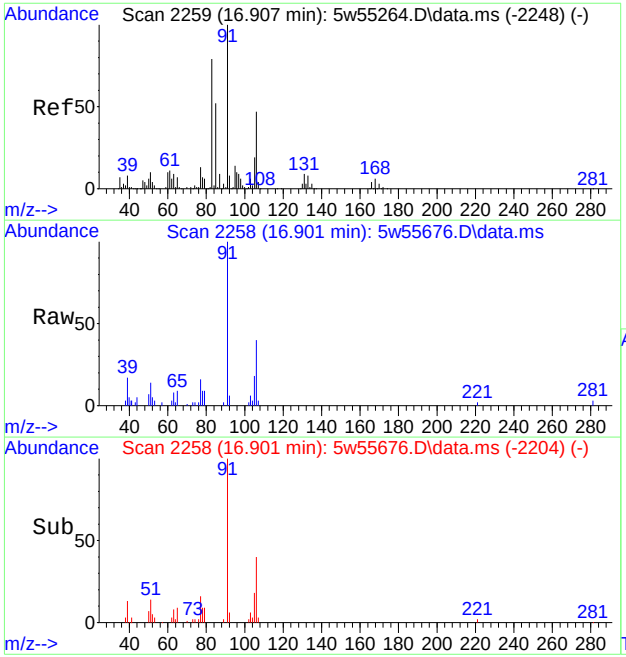


#80
m,p-XYLENE
Concen: 0.66 PPBV
RT: 16.209 min Scan# 2145
Delta R.T. -0.025 min
Lab File: 5w55676.D
Acq: 16 Dec 2024 11:21 pm

Tgt Ion:106 Resp: 38869

Ion	Ratio	Lower	Upper
106	100		
91	218.7	181.2	241.2
77	30.3	0.1	60.1

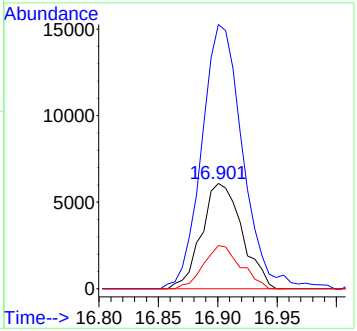


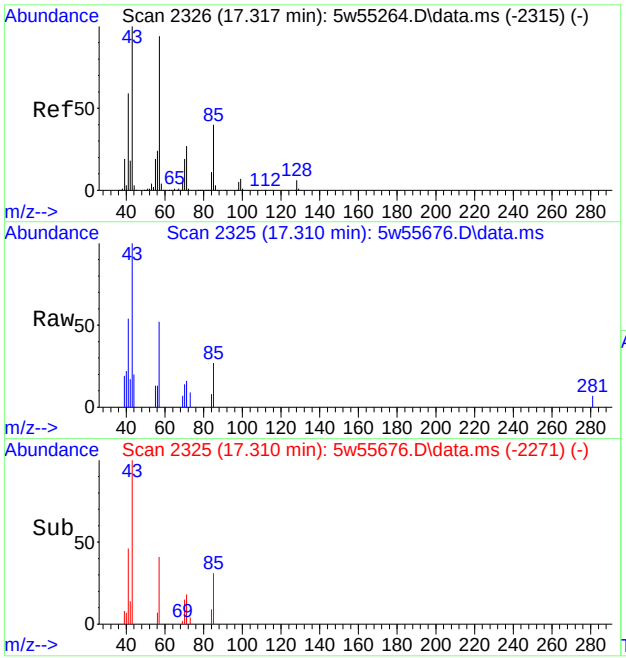


#81
o-XYLENE
Concen: 0.25 PPBV
RT: 16.901 min Scan# 2258
Delta R.T. -0.000 min
Lab File: 5w55676.D
Acq: 16 Dec 2024 11:21 pm

Tgt Ion:106 Resp: 14376

Ion	Ratio	Lower	Upper
106	100		
91	255.6	193.4	253.4#
77	37.9	0.0	59.8

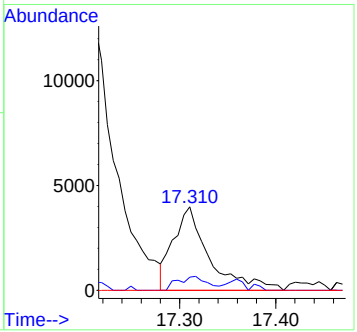


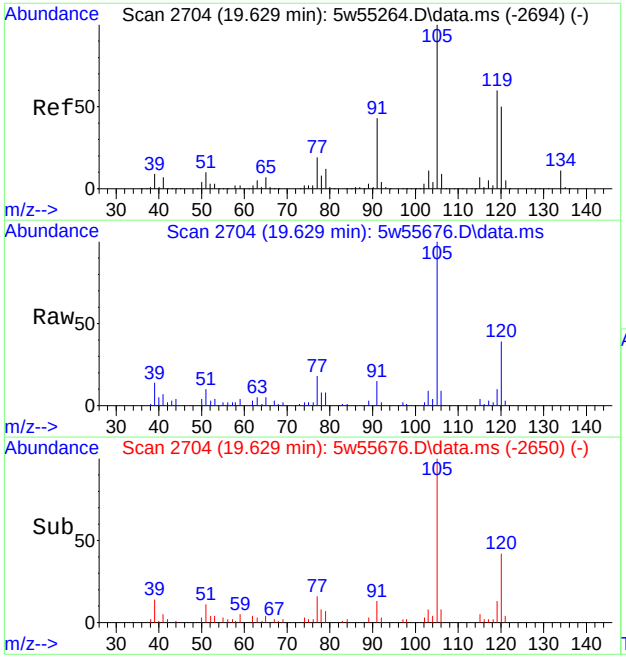


#83
NONANE
Concen: 0.14 PPBV
RT: 17.310 min Scan# 2325
Delta R.T. -0.000 min
Lab File: 5w55676.D
Acq: 16 Dec 2024 11:21 pm

Tgt Ion: 43 Resp: 10356

Ion	Ratio	Lower	Upper
43	100		
71	13.8	0.0	53.8
128	0.0	0.0	34.3

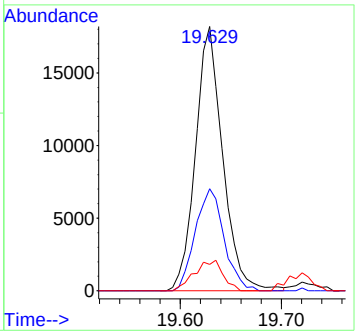




#96
1,2,4-TRIMETHYLBENZENE
Concen: 0.23 PPBV
RT: 19.629 min Scan# 2704
Delta R.T. -0.000 min
Lab File: 5w55676.D
Acq: 16 Dec 2024 11:21 pm

Tgt Ion:105 Resp: 34146

Ion	Ratio	Lower	Upper
105	100		
120	40.7	22.6	82.6
119	12.1	69.7	129.7#



Manual Integration Approval Summary

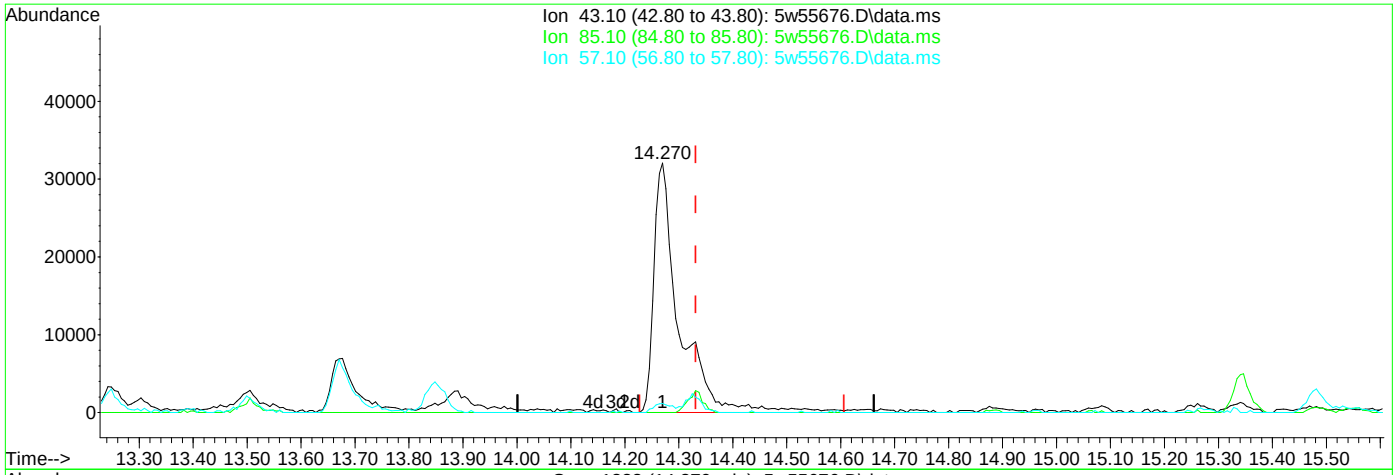
Sample Number: JE2487-6
Lab FileID: 5W55676.D
Injection Time: 12/16/24 23:21
Method: TO-15
Analyst approved: 12/17/24 19:19 Kristel Valladolid
Supervisor approved: 12/20/24 19:27 Kanya Veerawat

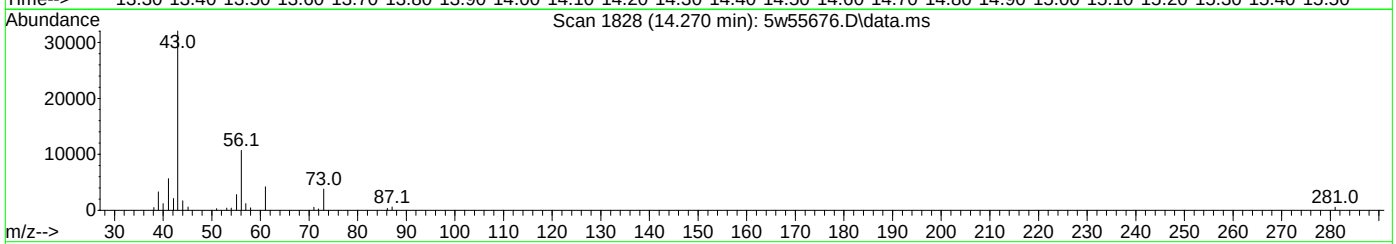
Parameter	CAS	Sig#	R.T. (min.)	Reason
Octane	111-65-9		14.33	Overlapping peak

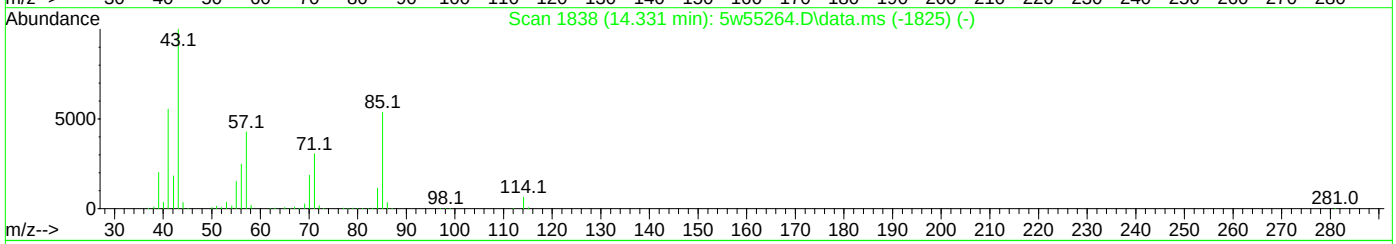
Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\luckyc\17 December 2024\v5w2132\
Data File : 5w55676.D
Acq On : 16 Dec 2024 11:21 pm
Operator : thomash
Sample : je2487-4dup Inst : GCMS5W
Misc : MS88104,V5W2132,500,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 17 11:31:40 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration







TIC: 5w55676.D\data.ms

(76) OCTANE

14.270min (-0.061) 1.44PPBV

response 105902

Ion	Exp%	Act%
43.10	100	100
85.10	43.70	0.00#
57.10	39.90	2.62#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-20-2024\V5w2135\
Data File : 5w55771.D
Acq On : 20 Dec 2024 6:26 am
Operator : thomash
Sample : je2487-6 Inst : GCMS5W
Misc : MS88104,V5W2135,100,,,,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 20 17:28:14 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

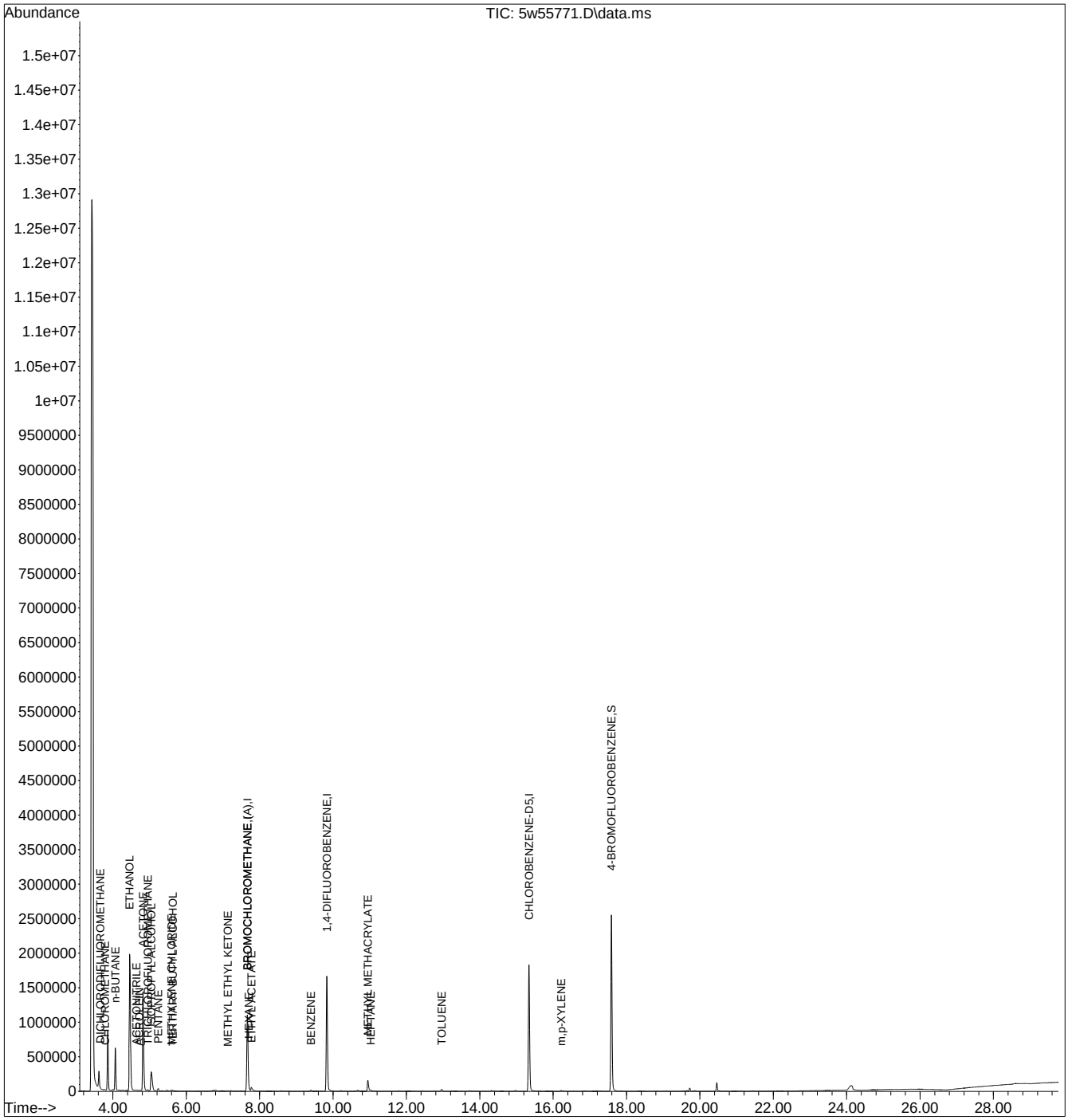
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	7.663	128	301213	10.00	PPBV	# 0.00
51) 1,4-DIFLUOROBENZENE	9.828	114	1412528	10.00	PPBV	0.00
70) CHLOROBENZENE-D5	15.341	82	731117	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	7.663	128	301213	10.00	PPBV	# 0.00
System Monitoring Compounds						
85) 4-BROMOFLUOROBENZENE	17.586	95	908005	11.10	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 111.00%			
Target Compounds						Qvalue
6) DICHLORODIFLUOROMETHANE	3.656	85	14211	0.1291	PPBV	99
10) CHLOROMETHANE	3.784	52	1744	0.1229	PPBV #	62
13) n-BUTANE	4.066	43	521863	8.1098	PPBV	98
17) ACETONITRILE	4.635	41	6343	0.1706	PPBV #	94
18) ACROLEIN	4.720	56	2904	0.1789	PPBV	78
21) TRICHLOROFLUOROMETHANE	4.947	101	10324	0.1015	PPBV	100
22) ISOPROPYL ALCOHOL	5.044	45	519084	8.0538	PPBV	95
23) ACETONE	4.818	58	475782	19.5844	PPBV #	76
24) PENTANE	5.234	42	17700	0.5528	PPBV	98
28) ETHANOL	4.457	45	2633174	111.4736	PPBV	100
31) METHYLENE CHLORIDE	5.601	84	6315	0.1999	PPBV	91
35) TERTIARY BUTYL ALCOHOL	5.632	59	9228	0.1522	PPBV #	30
38) HEXANE	7.706	57	12854	0.2724	PPBV	87
41) METHYL ETHYL KETONE	7.131	72	1577	0.1207	PPBV #	82
44) ETHYL ACETATE	7.773	61	10305	1.0692	PPBV #	71
52) BENZENE	9.400	78	17191	0.1679	PPBV	95
62) HEPTANE	11.028	43	6736	0.1240	PPBV	85
63) METHYL METHACRYLATE	10.942	69	80572	2.3672	PPBV	81
66) TOLUENE	12.961	92	14591	0.2038	PPBV	94
80) m,p-XYLENE	16.215	106	6156	0.1204	PPBV	97

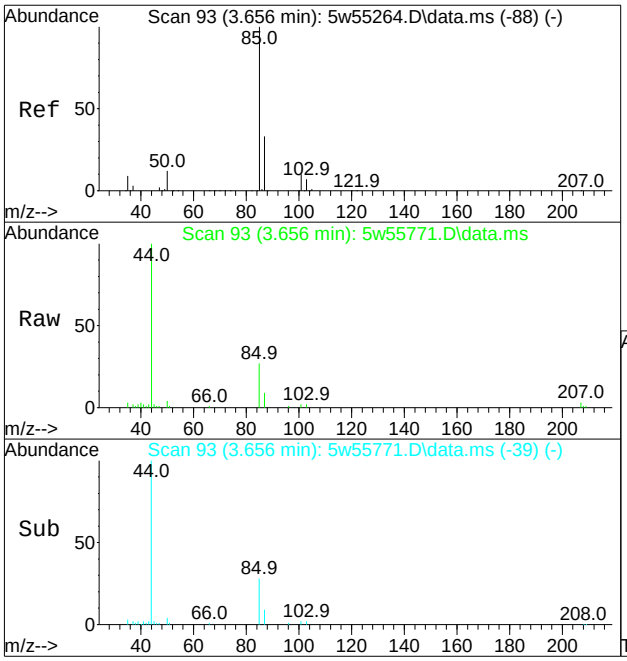
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-20-2024\V5w2135\
Data File : 5w55771.D
Acq On : 20 Dec 2024 6:26 am
Operator : thomash
Sample : je2487-6 Inst : GCMS5W
Misc : MS88104,V5W2135,100,,,,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 20 17:28:14 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

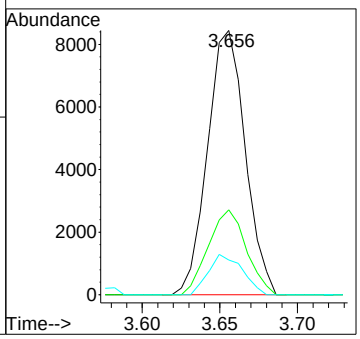


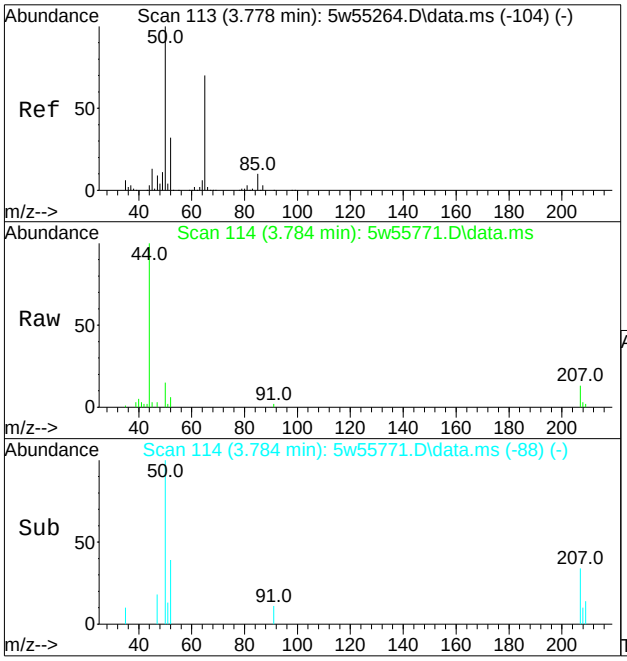


#6
DICHLORODIFLUOROMETHANE
Concen: 0.1291 PPBV
RT: 3.656 min Scan# 93
Delta R.T. -0.000 min
Lab File: 5w55771.D
Acq: 20 Dec 2024 6:26 am

Tgt Ion: 85 Resp: 14211

Ion	Ratio	Lower	Upper
85	100		
87	32.4	2.6	62.6
50	13.8	0.0	43.0

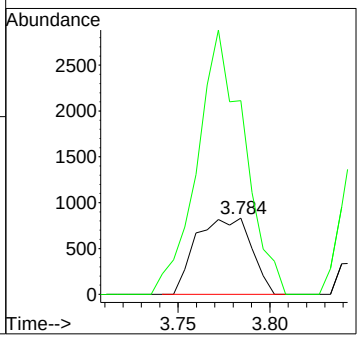


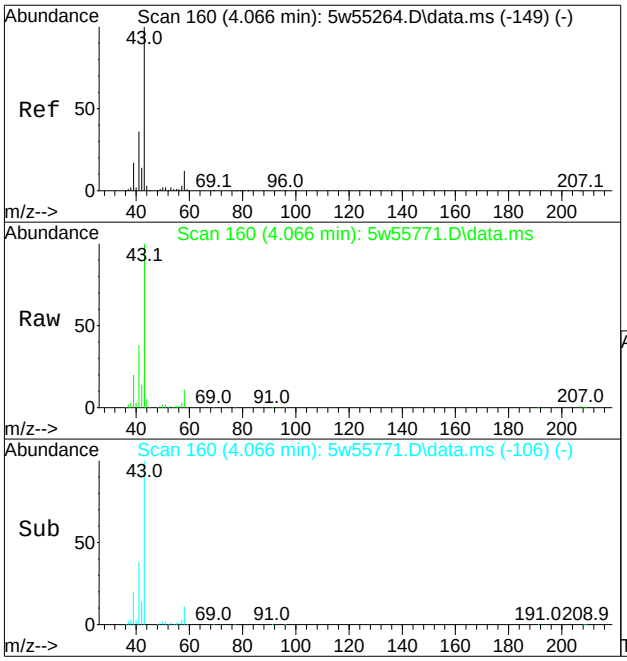


#10
CHLOROMETHANE
Concen: 0.1229 PPBV
RT: 3.784 min Scan# 114
Delta R.T. 0.012 min
Lab File: 5w55771.D
Acq: 20 Dec 2024 6:26 am

Tgt Ion: 52 Resp: 1744

Ion	Ratio	Lower	Upper
52	100		
50	240.5	287.9	347.9#

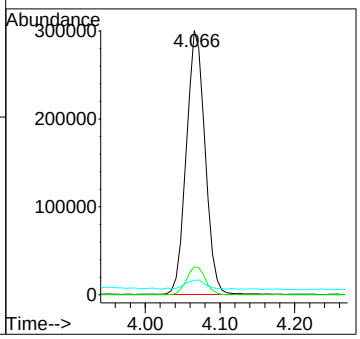


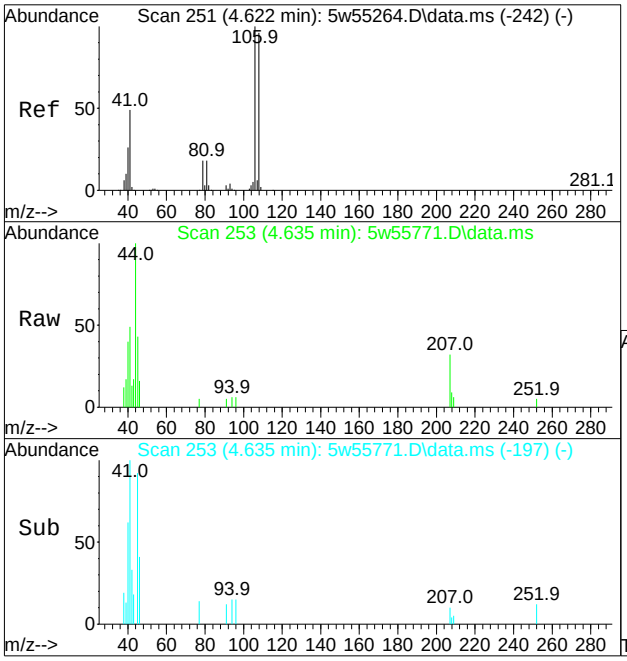


#13
n-BUTANE
Concen: 8.1098 PPBV
RT: 4.066 min Scan# 160
Delta R.T. -0.000 min
Lab File: 5w55771.D
Acq: 20 Dec 2024 6:26 am

Tgt Ion: 43 Resp: 521863

Ion	Ratio	Lower	Upper
43	100		
58	10.7	0.0	41.6
44	5.3	0.0	34.7

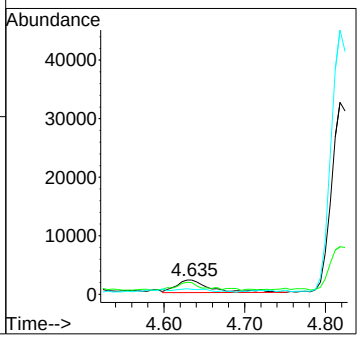


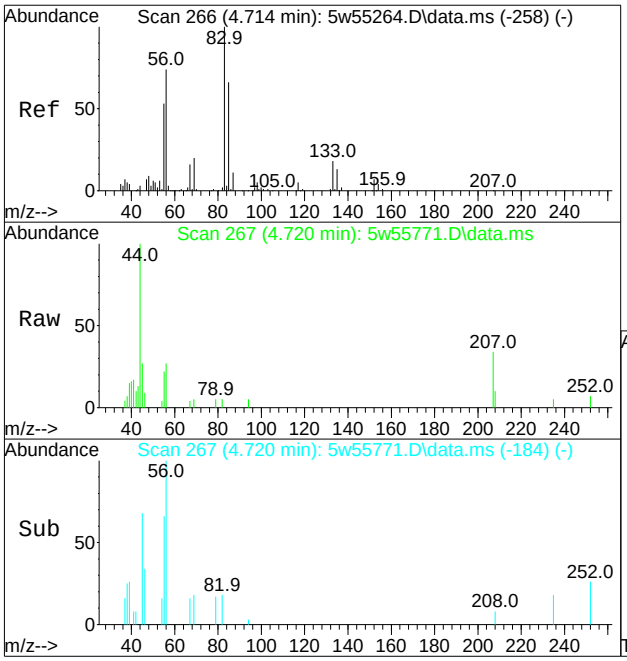


#17
ACETONITRILE
Concen: 0.1706 PPBV
RT: 4.635 min Scan# 253
Delta R.T. 0.012 min
Lab File: 5w55771.D
Acq: 20 Dec 2024 6:26 am

Tgt Ion: 41 Resp: 6343

Ion	Ratio	Lower	Upper
41	100		
40	54.3	38.4	71.4
39	28.9	13.7	25.5#

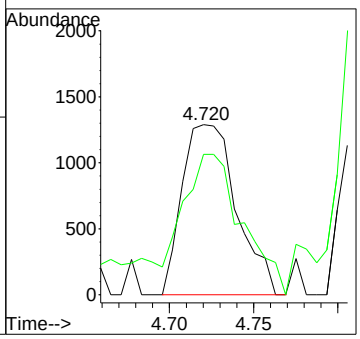


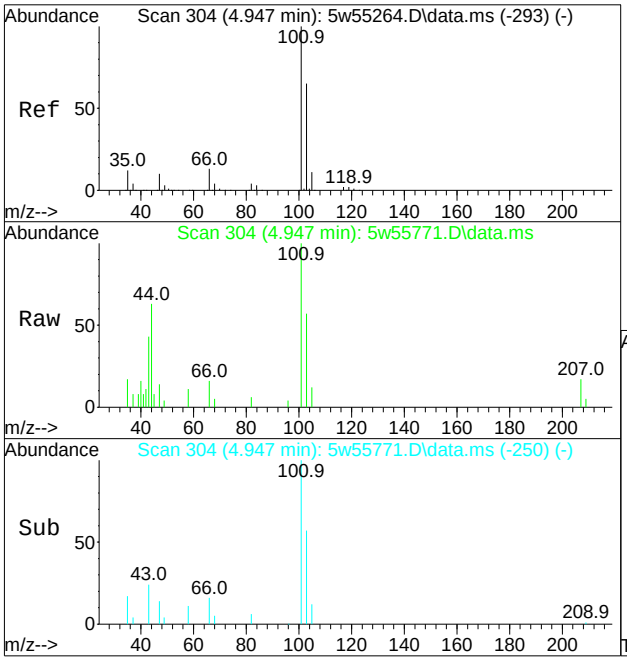


#18
ACROLEIN
Concen: 0.1789 PPBV
RT: 4.720 min Scan# 267
Delta R.T. 0.006 min
Lab File: 5w55771.D
Acq: 20 Dec 2024 6:26 am

Tgt Ion: 56 Resp: 2904

Ion	Ratio	Lower	Upper
56	100		
55	89.2	49.8	92.6

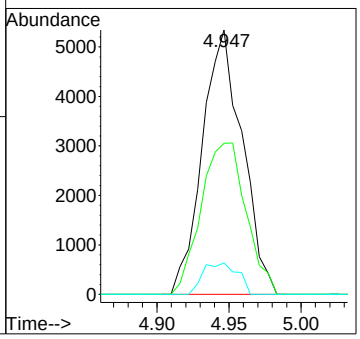


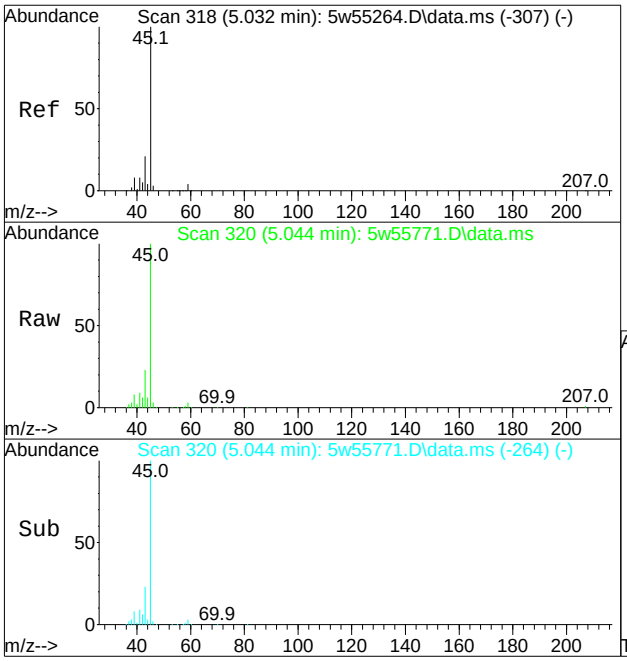


#21
TRICHLOROFLUOROMETHANE
Concen: 0.1015 PPBV
RT: 4.947 min Scan# 304
Delta R.T. -0.000 min
Lab File: 5w55771.D
Acq: 20 Dec 2024 6:26 am

Tgt Ion:101 Resp: 10324

Ion	Ratio	Lower	Upper
101	100		
103	64.5	34.7	94.7
105	10.4	0.0	40.5

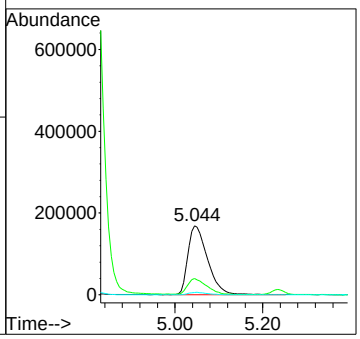


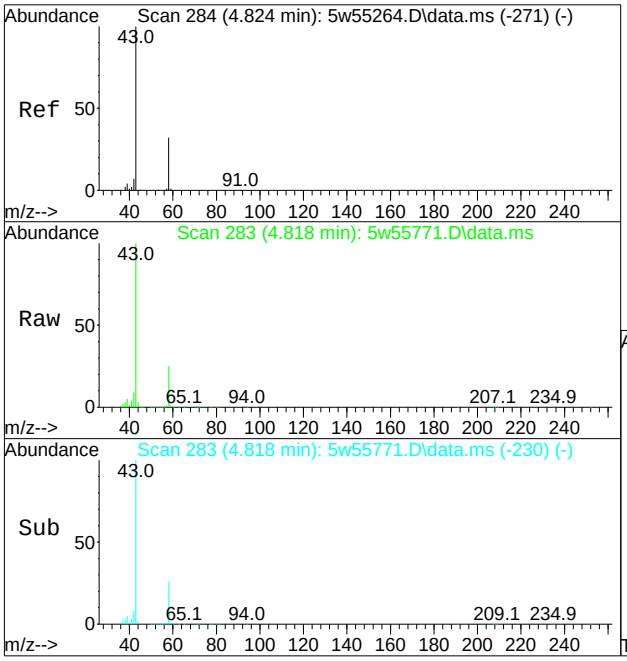


#22
ISOPROPYL ALCOHOL
Concen: 8.0538 PPBV
RT: 5.044 min Scan# 320
Delta R.T. 0.012 min
Lab File: 5w55771.D
Acq: 20 Dec 2024 6:26 am

Tgt Ion: 45 Resp: 519084

Ion	Ratio	Lower	Upper
45	100		
43	23.5	0.0	50.8
59	3.3	0.0	33.8

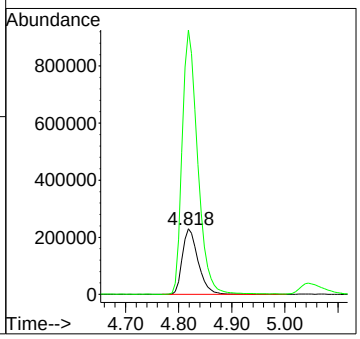


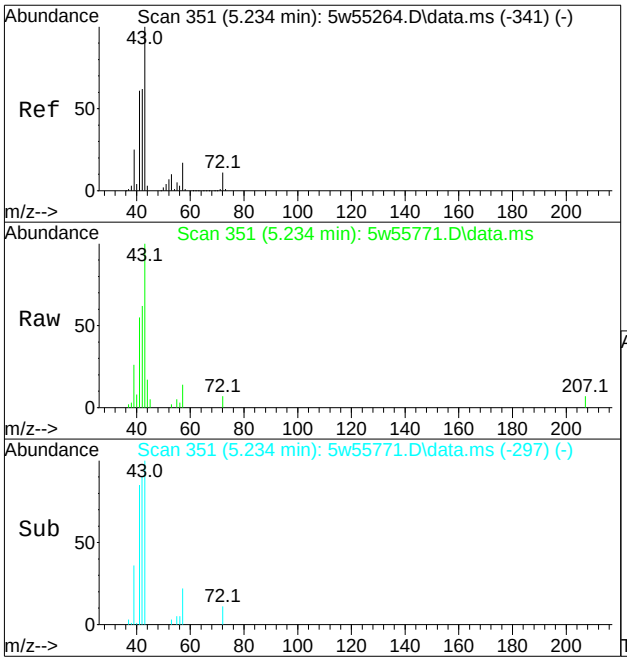


#23
ACETONE
Concen: 19.5844 PPBV
RT: 4.818 min Scan# 283
Delta R.T. -0.006 min
Lab File: 5w55771.D
Acq: 20 Dec 2024 6:26 am

Tgt Ion: 58 Resp: 475782

Ion	Ratio	Lower	Upper
58	100		
43	394.5	312.3	372.3#

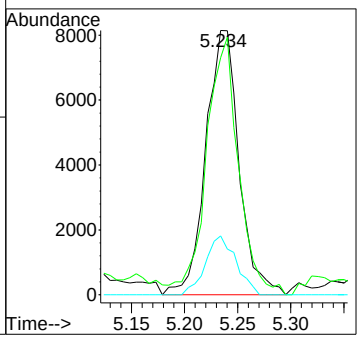


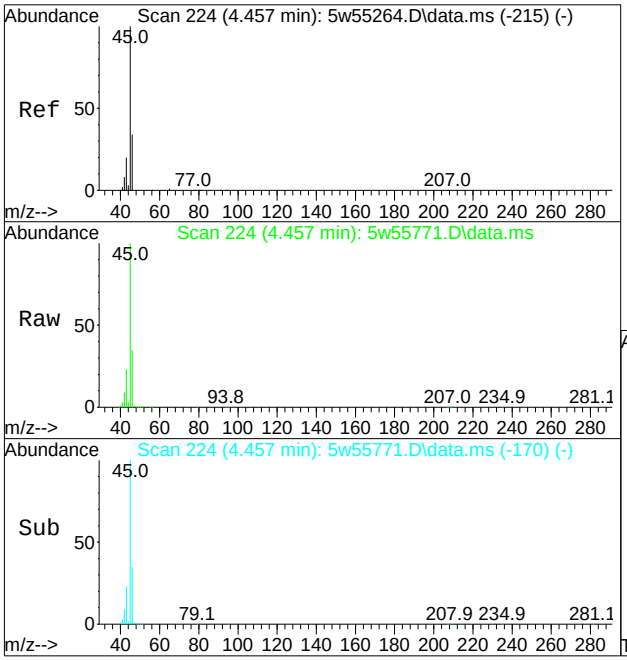


#24
PENTANE
Concen: 0.5528 PPBV
RT: 5.234 min Scan# 351
Delta R.T. -0.000 min
Lab File: 5w55771.D
Acq: 20 Dec 2024 6:26 am

Tgt Ion: 42 Resp: 17700

Ion	Ratio	Lower	Upper
42	100		
41	93.9	64.4	124.4
57	20.5	0.0	55.0

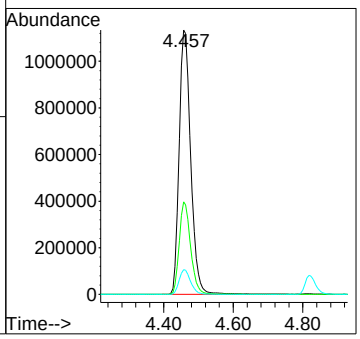


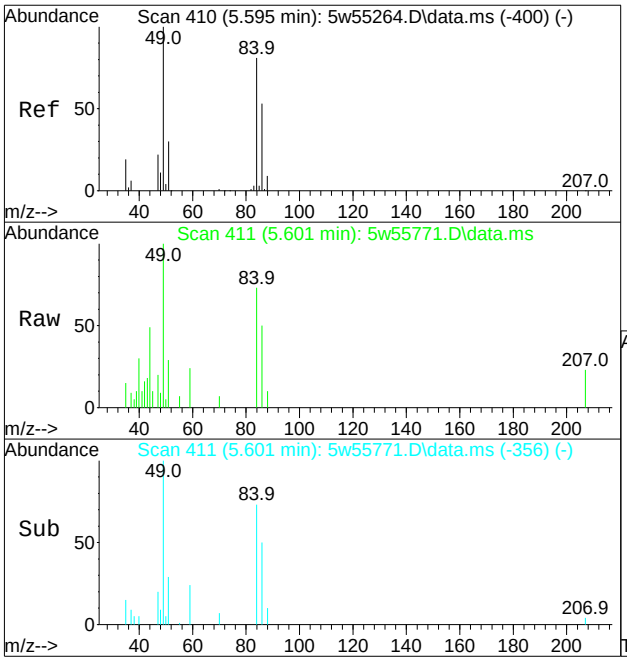


#28
ETHANOL
Concen: 111.4736 PPBV
RT: 4.457 min Scan# 224
Delta R.T. -0.000 min
Lab File: 5w55771.D
Acq: 20 Dec 2024 6:26 am

Tgt Ion: 45 Resp: 2633174

Ion	Ratio	Lower	Upper
45	100		
46	34.5	4.5	64.5
42	9.3	0.0	38.6

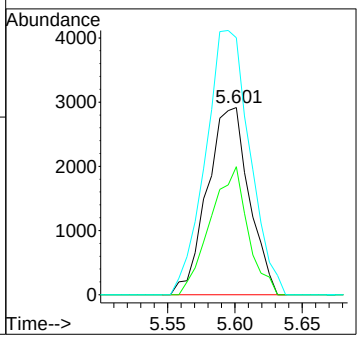


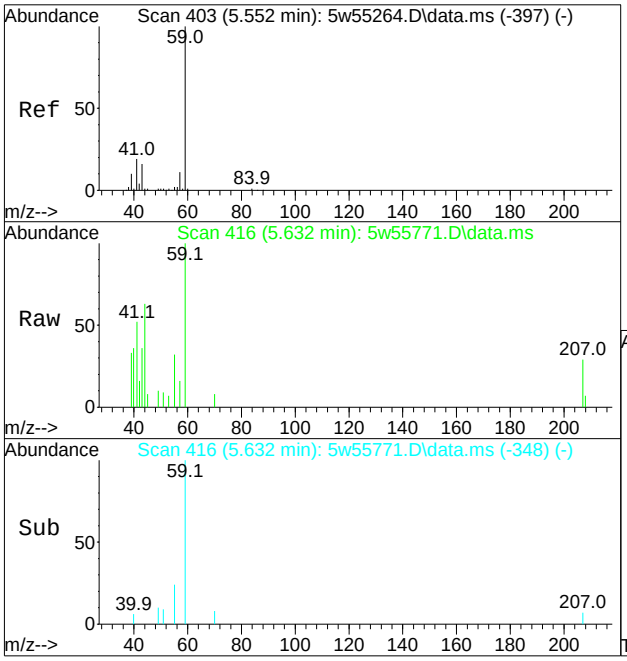


#31
METHYLENE CHLORIDE
Concen: 0.1999 PPBV
RT: 5.601 min Scan# 411
Delta R.T. 0.006 min
Lab File: 5w55771.D
Acq: 20 Dec 2024 6:26 am

Tgt Ion: 84 Resp: 6315

Ion	Ratio	Lower	Upper
84	100		
86	61.2	34.0	94.0
49	149.5	105.8	165.8

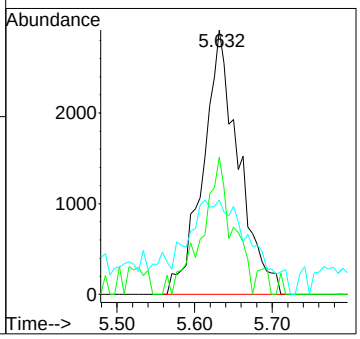


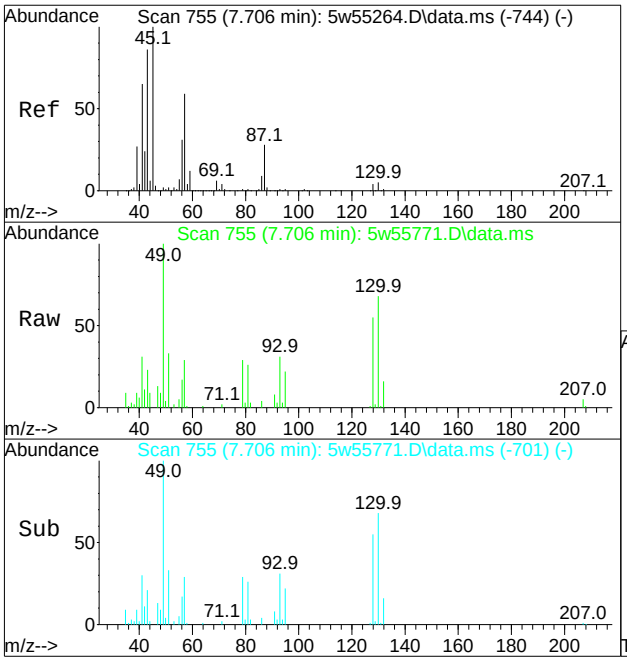


#35
TERTIARY BUTYL ALCOHOL
Concen: 0.1522 PPBV
RT: 5.632 min Scan# 416
Delta R.T. 0.085 min
Lab File: 5w55771.D
Acq: 20 Dec 2024 6:26 am

Tgt Ion: 59 Resp: 9228

Ion	Ratio	Lower	Upper
59	100		
41	44.9	0.0	53.1
43	62.5	0.0	47.1#

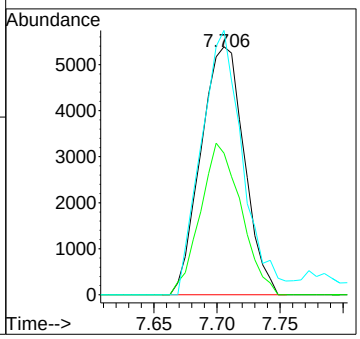


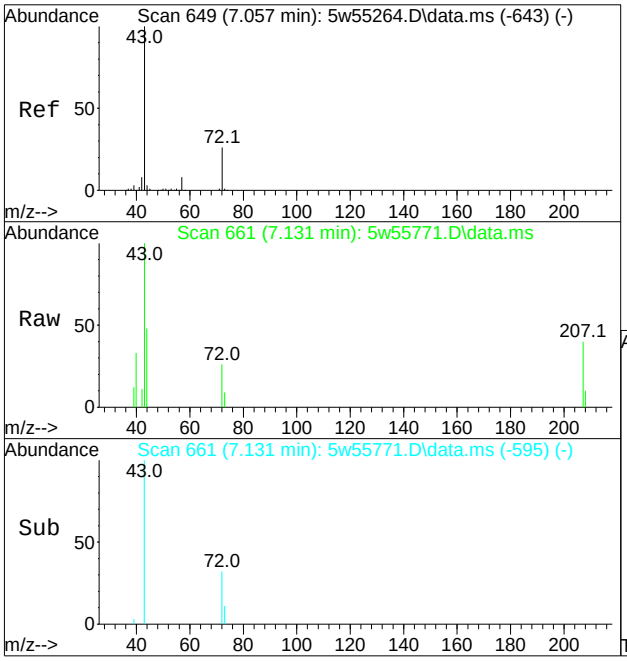


#38
HEXANE
Concen: 0.2724 PPBV
RT: 7.706 min Scan# 755
Delta R.T. -0.000 min
Lab File: 5w55771.D
Acq: 20 Dec 2024 6:26 am

Tgt Ion: 57 Resp: 12854

Ion	Ratio	Lower	Upper
57	100		
56	57.6	24.2	84.2
41	102.8	92.1	152.1

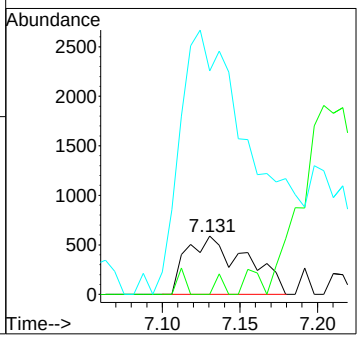


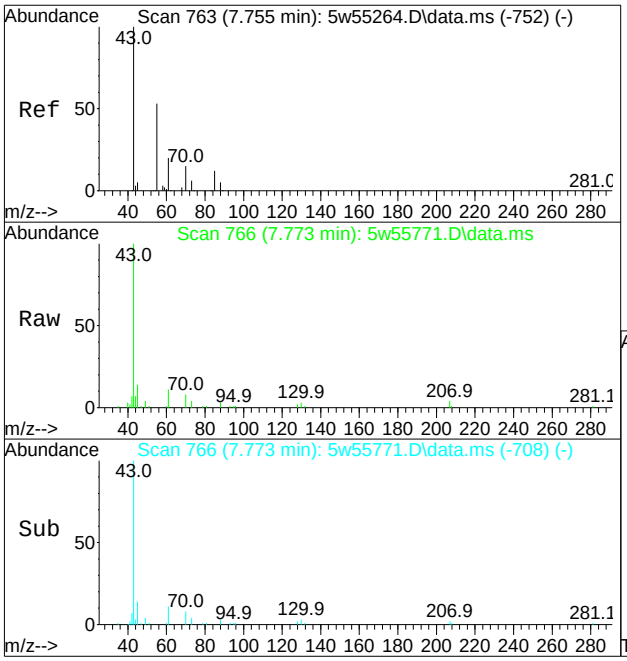


#41
METHYL ETHYL KETONE
Concen: 0.1207 PPBV
RT: 7.131 min Scan# 661
Delta R.T. 0.073 min
Lab File: 5w55771.D
Acq: 20 Dec 2024 6:26 am

Tgt Ion: 72 Resp: 1577

Ion	Ratio	Lower	Upper
72	100		
57	0.0	1.1	61.1#
43	382.5	390.6	450.6#

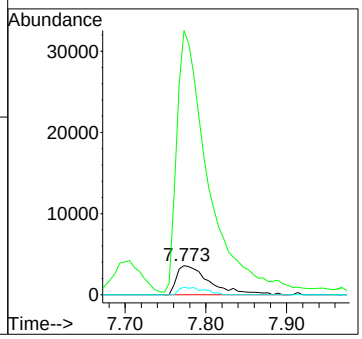


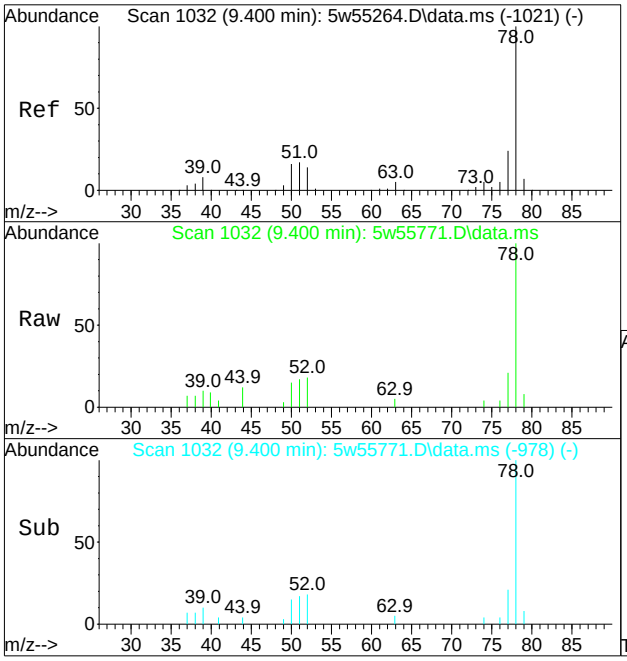


#44
ETHYL ACETATE
Concen: 1.0692 PPBV
RT: 7.773 min Scan# 766
Delta R.T. 0.024 min
Lab File: 5w55771.D
Acq: 20 Dec 2024 6:26 am

Tgt Ion: 61 Resp: 10305

Ion	Ratio	Lower	Upper
61	100		
43	882.1	0.0	30.0#
88	19.8	7.3	67.3

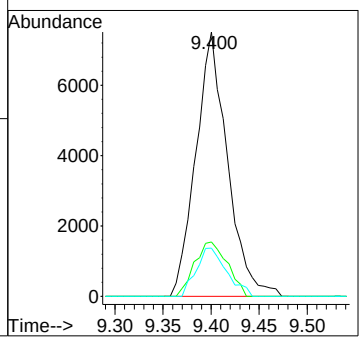


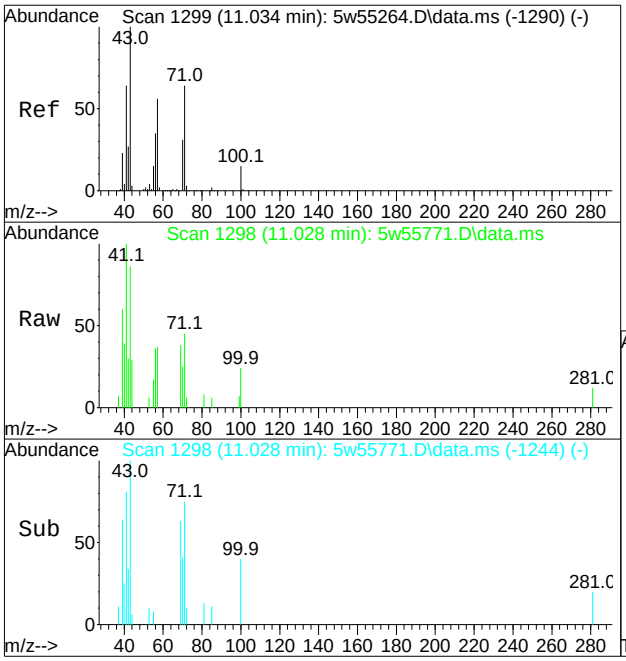


#52
BENZENE
Concen: 0.1679 PPBV
RT: 9.400 min Scan# 1032
Delta R.T. -0.000 min
Lab File: 5w55771.D
Acq: 20 Dec 2024 6:26 am

Tgt Ion: 78 Resp: 17191

Ion	Ratio	Lower	Upper
78	100		
77	21.3	0.0	54.0
52	17.4	0.0	45.6

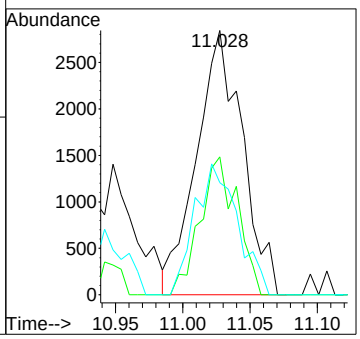


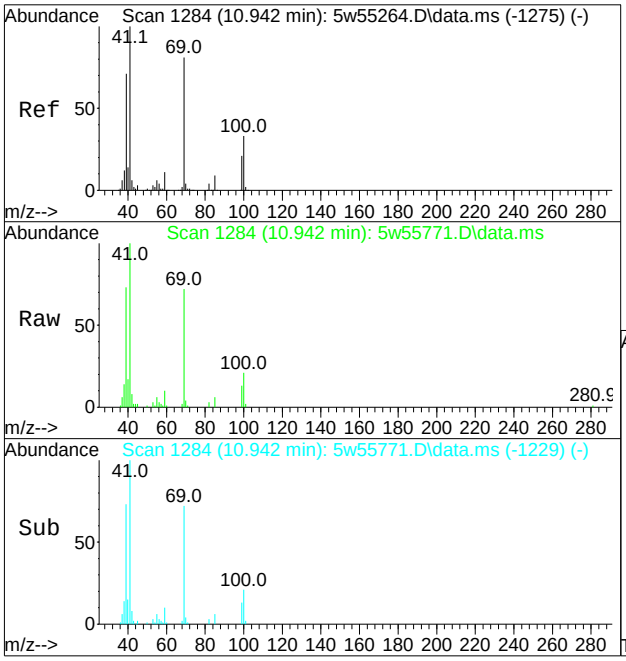


#62
HEPTANE
Concen: 0.1240 PPBV
RT: 11.028 min Scan# 1298
Delta R.T. -0.000 min
Lab File: 5w55771.D
Acq: 20 Dec 2024 6:26 am

Tgt Ion: 43 Resp: 6736

Ion	Ratio	Lower	Upper
43	100		
71	42.6	27.2	87.2
57	46.2	22.5	82.5

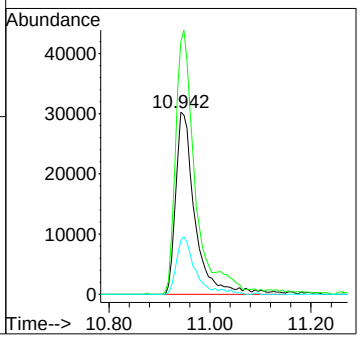


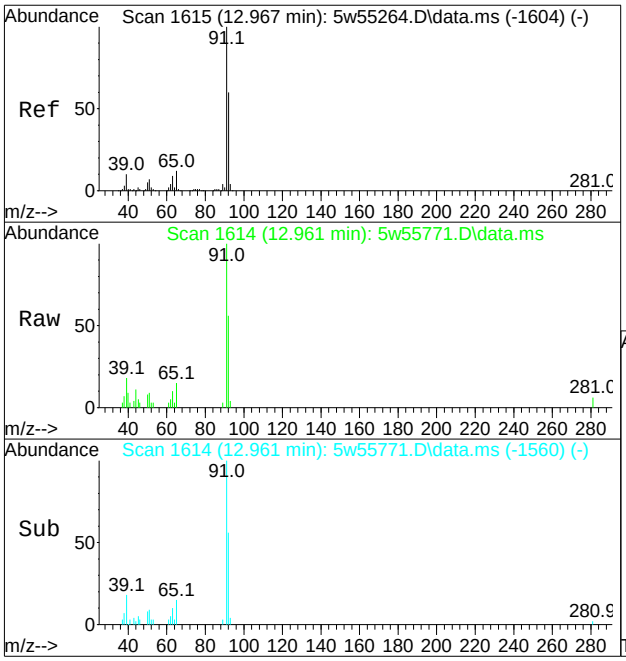


#63
METHYL METHACRYLATE
Concen: 2.3672 PPBV
RT: 10.942 min Scan# 1284
Delta R.T. 0.006 min
Lab File: 5w55771.D
Acq: 20 Dec 2024 6:26 am

Tgt Ion: 69 Resp: 80572

Ion	Ratio	Lower	Upper
69	100		
41	153.1	97.3	157.3
100	30.9	3.0	63.0

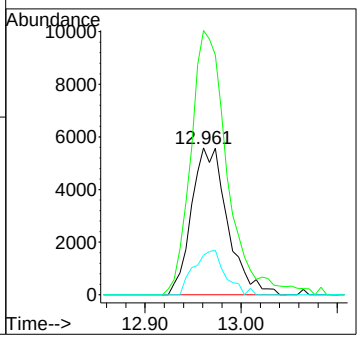


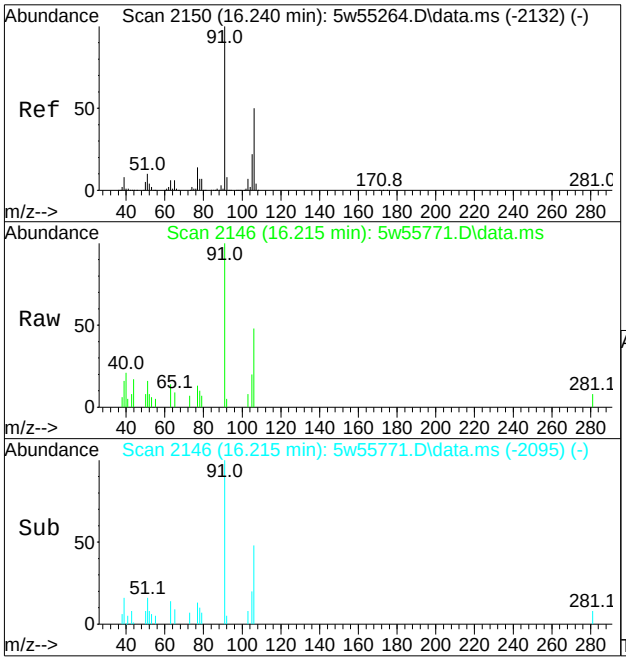


#66
TOLUENE
Concen: 0.2038 PPBV
RT: 12.961 min Scan# 1614
Delta R.T. -0.000 min
Lab File: 5w55771.D
Acq: 20 Dec 2024 6:26 am

Tgt Ion: 92 Resp: 14591

Ion	Ratio	Lower	Upper
92	100		
91	182.2	143.4	203.4
65	26.1	0.0	53.8

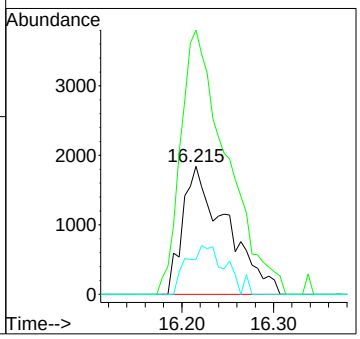




#80
m,p-XYLENE
Concen: 0.1204 PPBV
RT: 16.215 min Scan# 2146
Delta R.T. -0.018 min
Lab File: 5w55771.D
Acq: 20 Dec 2024 6:26 am

Tgt Ion:106 Resp: 6156

Ion	Ratio	Lower	Upper
106	100		
91	206.5	181.2	241.2
77	27.3	0.1	60.1



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\17 December 2024\v5w2132\
Data File : 5w55670.D
Acq On : 16 Dec 2024 6:38 pm
Operator : thomash
Sample : mb Inst : GCMS5W
Misc : MS87842,V5W2132,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 17 11:35:09 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

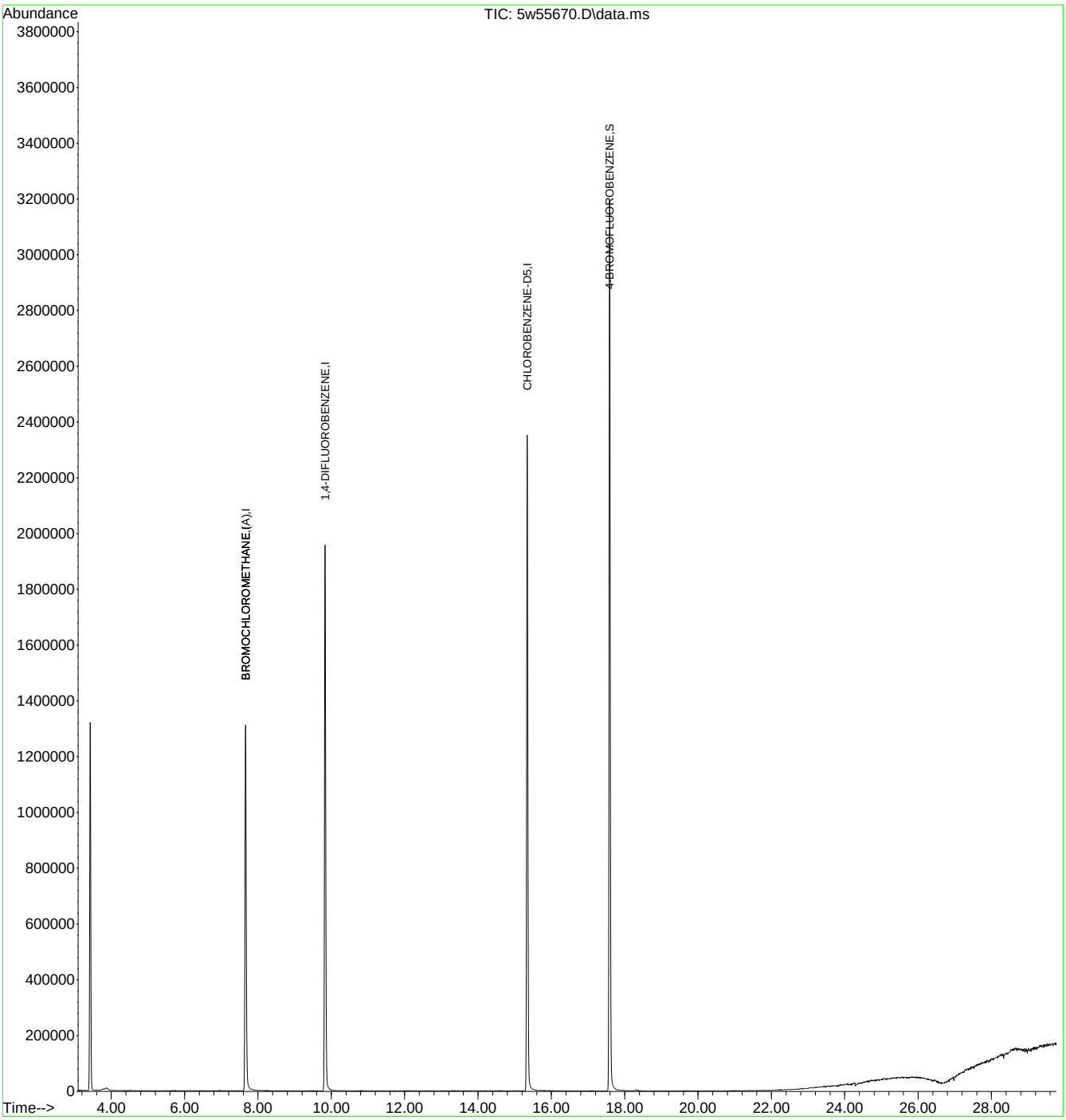
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	7.663	128	351933	10.00	PPBV	# 0.00
51) 1,4-DIFLUOROBENZENE	9.828	114	1652348	10.00	PPBV	0.00
70) CHLOROBENZENE-D5	15.340	82	979891	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	7.663	128	351933	10.00	PPBV	# 0.00
System Monitoring Compounds						
85) 4-BROMOFLUOROBENZENE	17.586	95	1238048	11.29	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 112.90%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\17 December 2024\v5w2132\
Data File : 5w55670.D
Acq On : 16 Dec 2024 6:38 pm
Operator : thomash
Sample : mb Inst : GCMS5W
Misc : MS87842,V5W2132,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 17 11:35:09 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55706.D
Acq On : 18 Dec 2024 12:51 am
Operator : thomash
Sample : mb Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 18 19:27:35 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

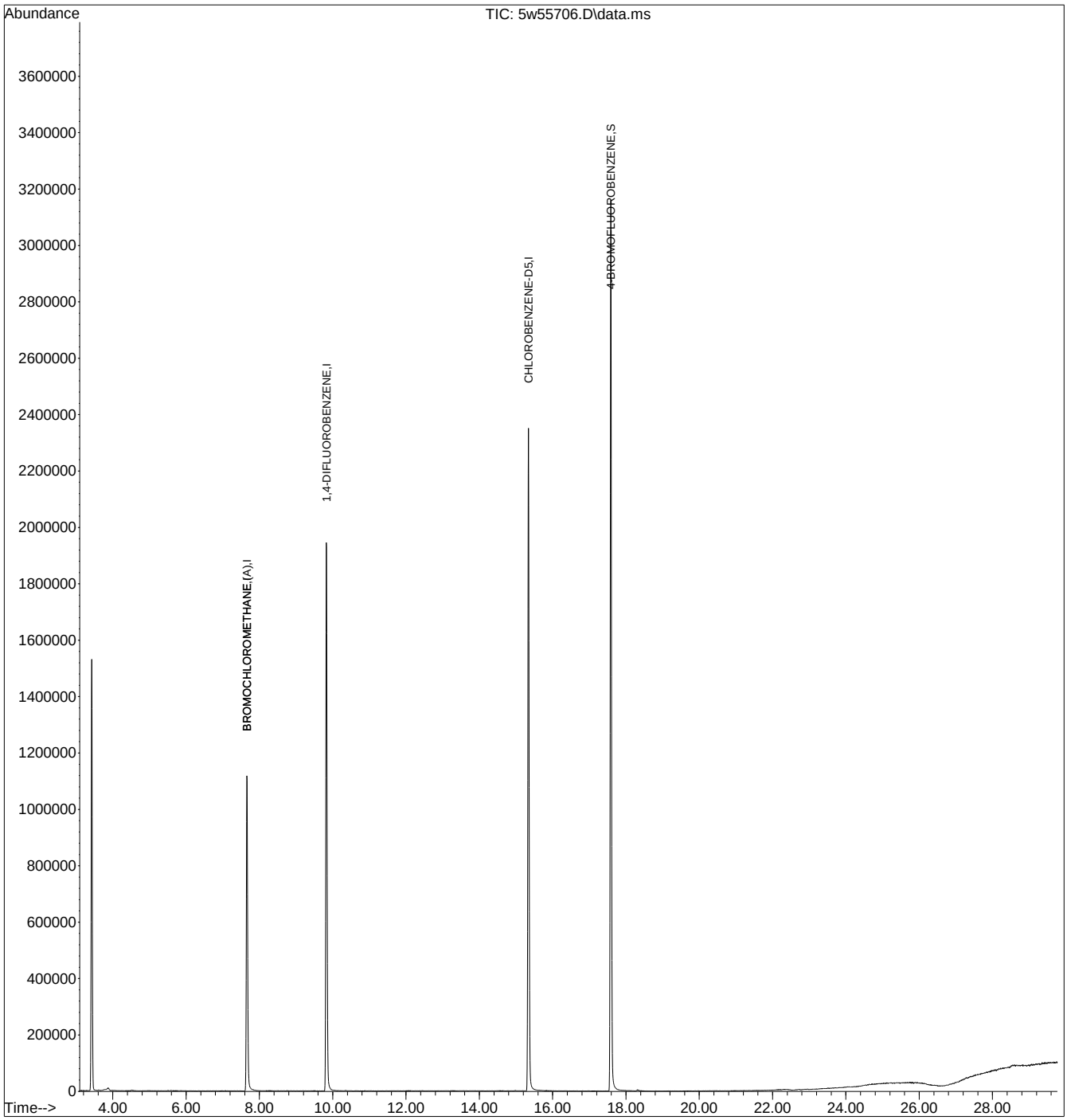
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	7.657	128	295908	10.00	PPBV	#-0.01
51) 1,4-DIFLUOROBENZENE	9.829	114	1754729	10.00	PPBV	0.00
70) CHLOROBENZENE-D5	15.341	82	953484	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	7.657	128	295908	10.00	PPBV	#-0.01
System Monitoring Compounds						
85) 4-BROMOFLUOROBENZENE	17.586	95	1170287	10.97	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 109.70%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55706.D
Acq On : 18 Dec 2024 12:51 am
Operator : thomash
Sample : mb Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 18 19:27:35 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-20-2024\V5w2135\
Data File : 5w55756.D
Acq On : 19 Dec 2024 7:38 pm
Operator : thomash
Sample : mb Inst : GCMS5W
Misc : MS88278,V5W2135,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 20 13:45:39 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

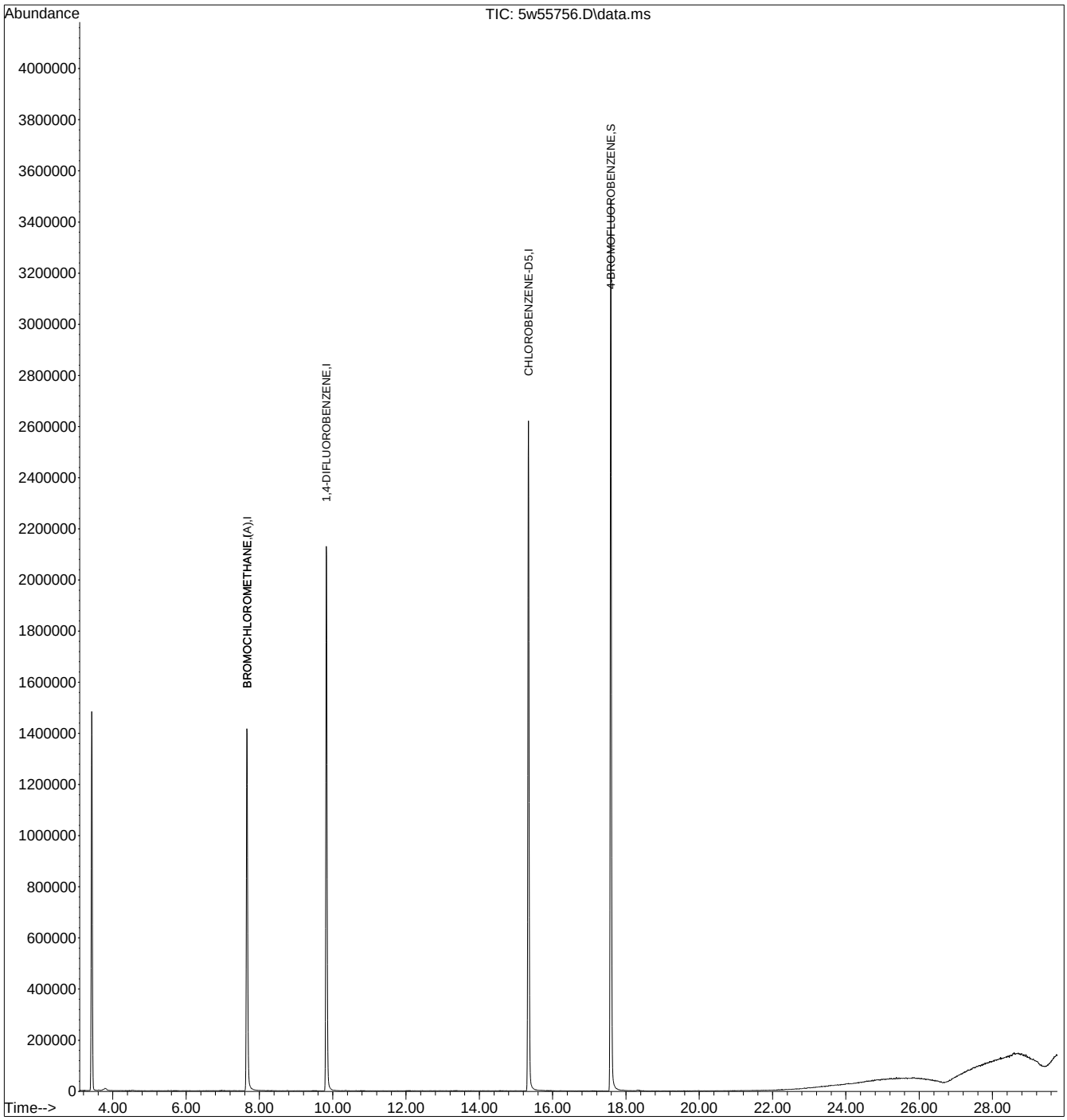
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	7.663	128	391902	10.00	PPBV	# 0.00
51) 1,4-DIFLUOROBENZENE	9.822	114	1871565	10.00	PPBV	-0.01
70) CHLOROBENZENE-D5	15.340	82	1053026	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	7.663	128	391902	10.00	PPBV	# 0.00
System Monitoring Compounds						
85) 4-BROMOFLUOROBENZENE	17.586	95	1278640	10.85	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 108.50%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-20-2024\V5w2135\
Data File : 5w55756.D
Acq On : 19 Dec 2024 7:38 pm
Operator : thomash
Sample : mb Inst : GCMS5W
Misc : MS88278,V5W2135,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 20 13:45:39 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55823.D
Acq On : 23 Dec 2024 12:54 pm
Operator : thomash
Sample : mb Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 24 04:46:04 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

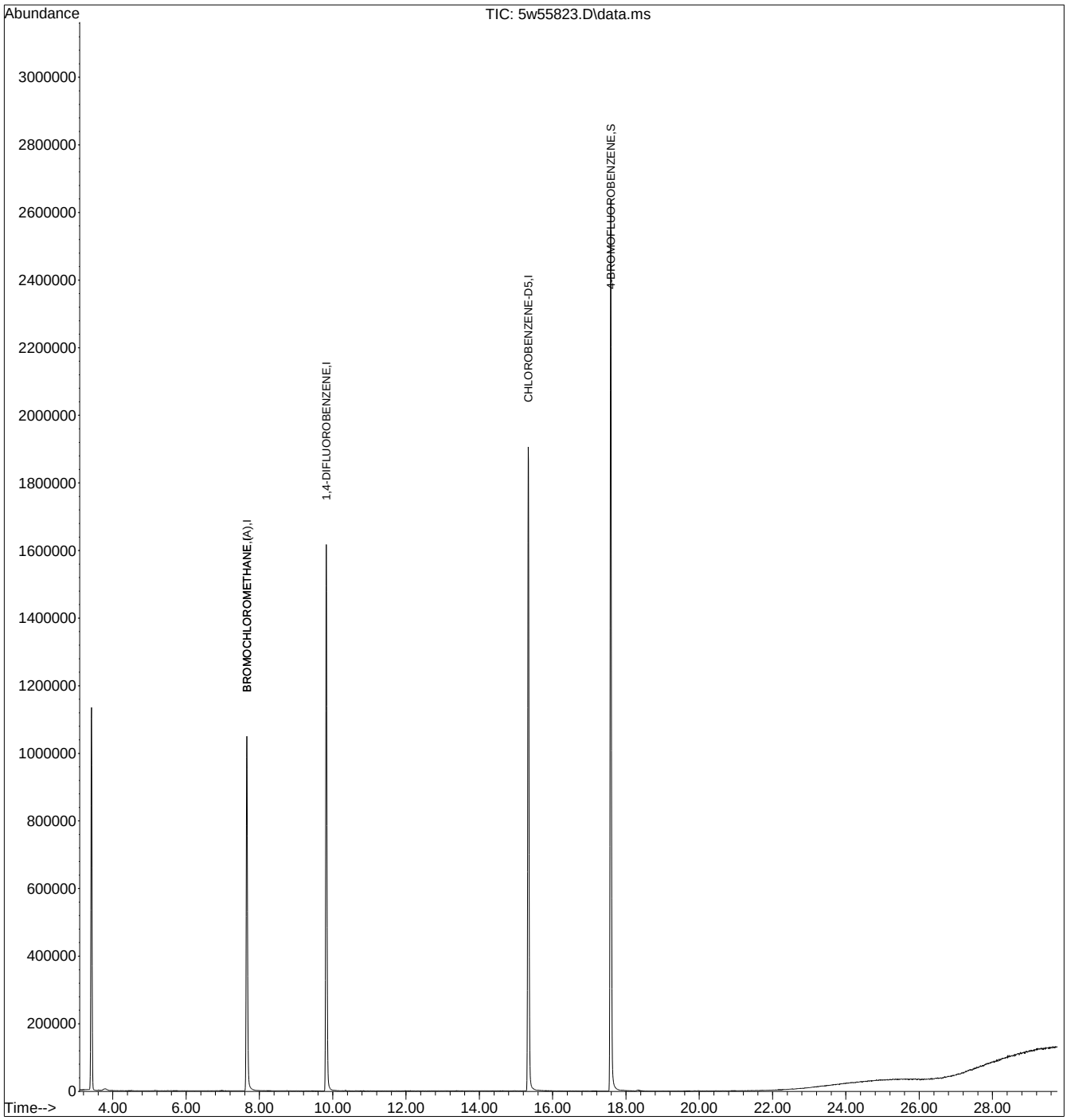
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	7.657	128	311710	10.00	PPBV	-0.01
51) 1,4-DIFLUOROBENZENE	9.822	114	1493158	10.00	PPBV	-0.01
70) CHLOROBENZENE-D5	15.334	82	781178	10.00	PPBV	-0.01
109) BROMOCHLOROMETHANE (A)	7.657	128	311710	10.00	PPBV	#-0.01
System Monitoring Compounds						
85) 4-BROMOFLUOROBENZENE	17.586	95	951244	10.88	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 108.80%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55823.D
Acq On : 23 Dec 2024 12:54 pm
Operator : thomash
Sample : mb Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 24 04:46:04 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Quantitation Report (QT/LSC Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\09-20-2024\V3W3503\
Data File : 3w88783.d
Acq On : 19 Sep 2024 4:37 pm
Operator : thomash
Sample : mb Inst : GCMS-3W
Misc : MS85177,v3w3503,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 20 04:58:25 2024
Quant Method : C:\msdchem\1\methods\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Wed Sep 11 11:57:05 2024
Response via : Initial Calibration

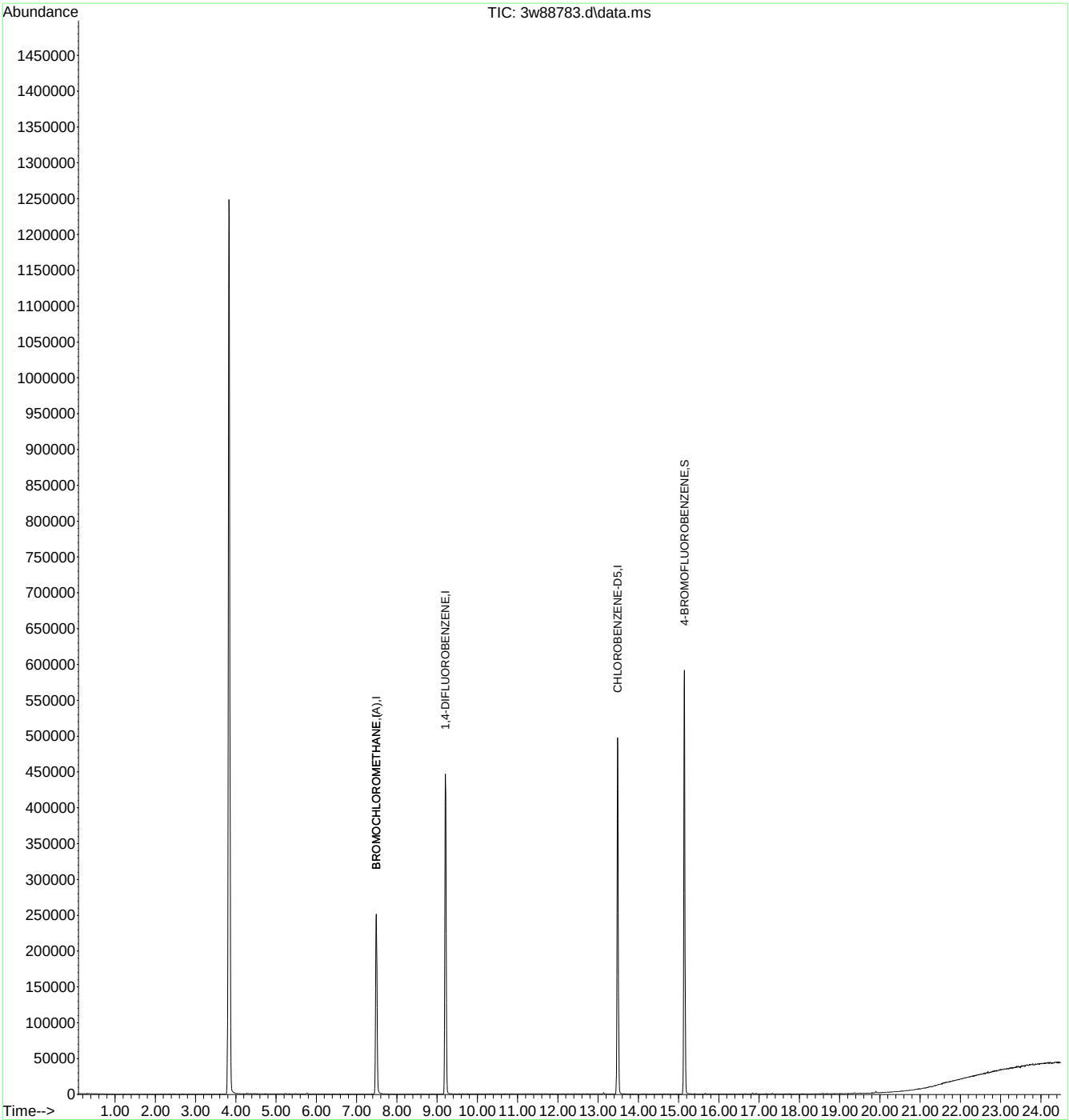
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	7.492	128	70106	10.00	PPBV	# 0.00
51) 1,4-DIFLUOROBENZENE	9.208	114	359547	10.00	PPBV	0.00
70) CHLOROBENZENE-D5	13.484	82	182840	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	7.492	128	70106	10.00	PPBV	# 0.00
System Monitoring Compounds						
85) 4-BROMOFLUOROBENZENE	15.145	95	213344	9.59	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 95.90%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\09-20-2024\V3W3503\
Data File : 3w88783.d
Acq On : 19 Sep 2024 4:37 pm
Operator : thomash
Sample : mb Inst : GCMS-3W
Misc : MS85177,v3w3503,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 20 04:58:25 2024
Quant Method : C:\msdchem\1\methods\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Wed Sep 11 11:57:05 2024
Response via : Initial Calibration



Quantitation Report (QT/LSC Reviewed)

Data Path : G:\Dayton\MSAIR\Done\2024\November\07 November 2024\v7w379\
Data File : 7w10303.d
Acq On : 6 Nov 2024 11:42 am
Operator : thomash
Sample : mb
Misc : MS86560,v7w379,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 07 12:00:42 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	3.277	128	58077	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.553	114	294303	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.119	117	263172	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.277	128	58077	10.00	PPBV	0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.479	95	180668	9.36	PPBV	0.00

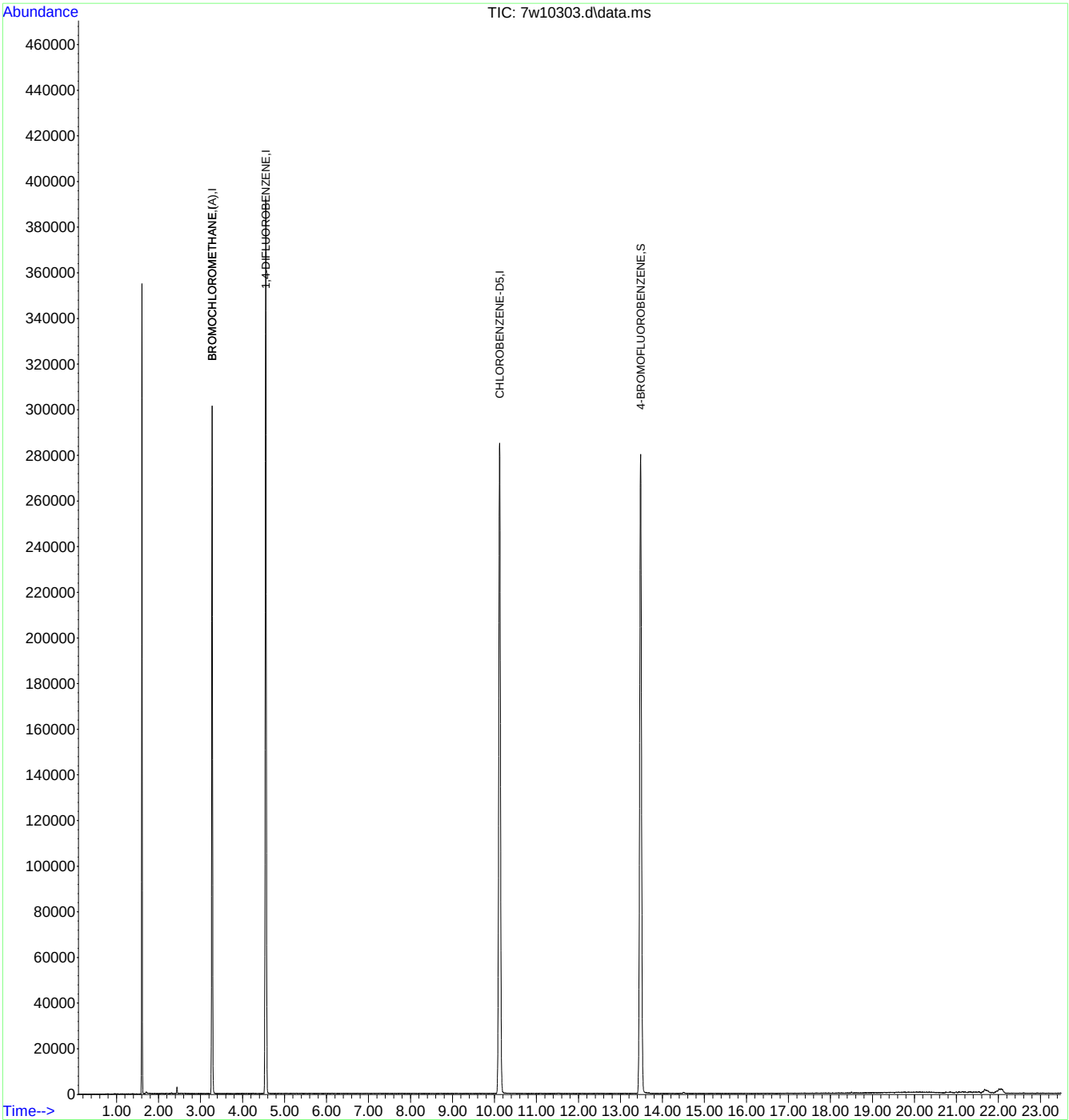
Target Compounds	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : G:\Dayton\MSAIR\Done\2024\November\07 November 2024\v7w379\
Data File : 7w10303.d
Acq On : 6 Nov 2024 11:42 am
Operator : thomash
Sample : mb
Misc : MS86560,v7w379,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 07 12:00:42 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\luckyc\
Data File : 7w10580.D
Acq On : 18 Nov 2024 12:04 pm
Operator : bkim
Sample : mb
Misc : MS87131,v7w387,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 19 11:51:48 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	3.277	128	64026	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.553	114	327182	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.122	117	306459	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.277	128	64026	10.00	PPBV	0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.476	95	198631	8.84	PPBV	0.00

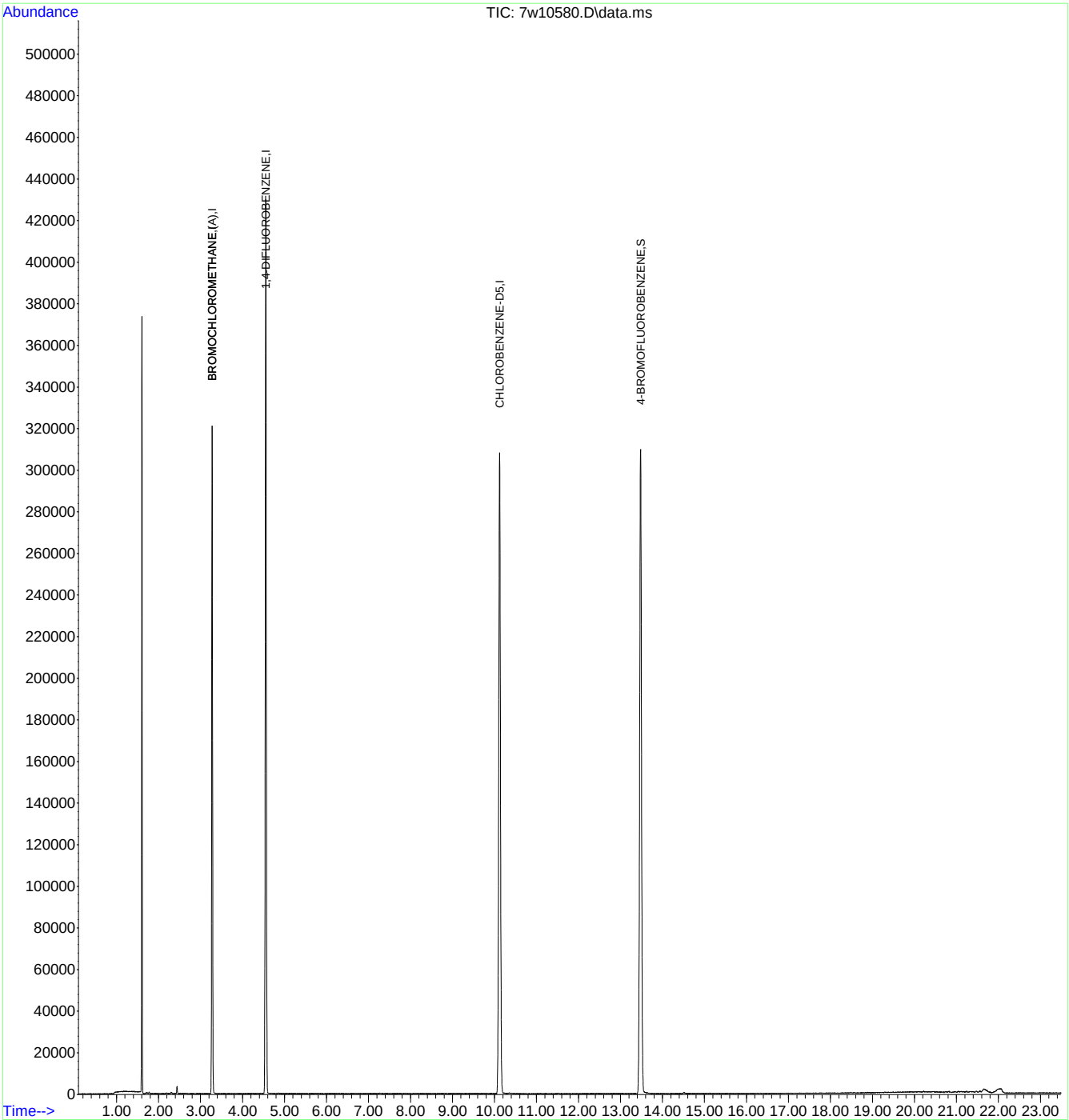
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\luckyc\
Data File : 7w10580.D
Acq On : 18 Nov 2024 12:04 pm
Operator : bkim
Sample : mb
Misc : MS87131,v7w387,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 19 11:51:48 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V7W392\
Data File : 7w10747.D
Acq On : 25 Nov 2024 11:46 am
Operator : williamc
Sample : mb Inst : MS7W
Misc : MS87372,v7w392,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 25 21:32:35 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

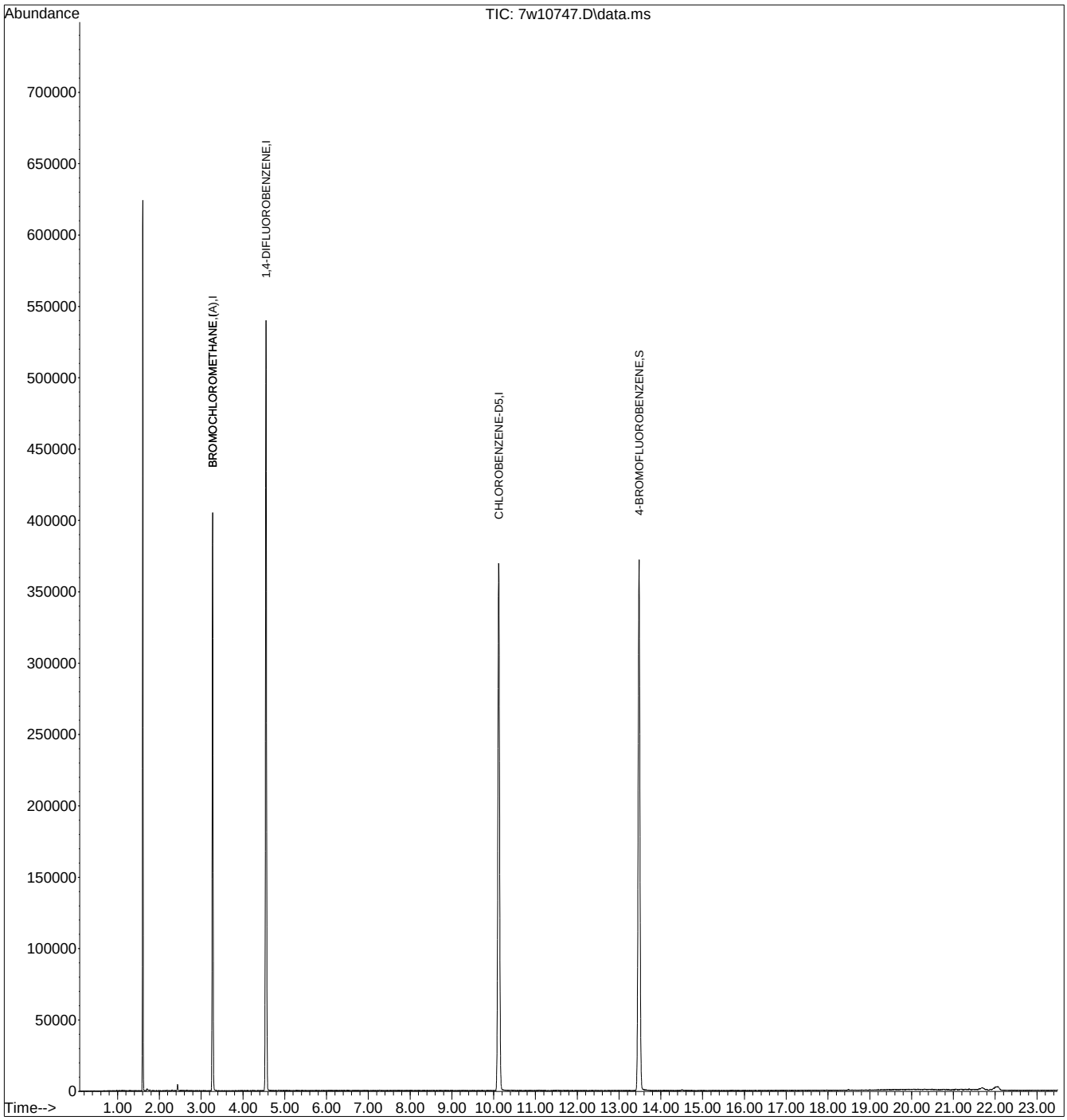
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.274	128	77496	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.553	114	407451	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.122	117	332375	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.274	128	77496	10.00	PPBV	0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.479	95	229102	9.40	PPBV	0.00
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V7W392\
Data File : 7w10747.D
Acq On : 25 Nov 2024 11:46 am
Operator : williamc
Sample : mb Inst : MS7W
Misc : MS87372,v7w392,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 25 21:32:35 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55665.D
Acq On : 16 Dec 2024 2:48 pm
Operator : thomash
Sample : bs
Misc : MS87926,V5W2132,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 16 15:46:38 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.669	128	341152	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.834	114	1550754	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	15.340	82	1025782	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.669	128	341152	10.00	PPBV	#	0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	17.586	95	1127917	9.83	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 98.30%				
Target Compounds							Qvalue
2) FREON 115	3.466	119	580306	12.43	PPBV		87
3) FREON 152A	3.545	65	320366	12.69	PPBV		96
4) CHLORODIFLUOROMETHANE	3.582	67	191839	14.66	PPBV		99
5) CHLOROTRIFLUOROETHENE	3.607	116	593886	10.05	PPBV		95
6) DICHLORODIFLUOROMETHANE	3.656	85	1603255	12.86	PPBV		99
7) PROPYLENE	3.601	41	377442	12.02	PPBV		98
8) 1-CHLORO-1,1-DIFLUOROE...	3.753	65	1576918	12.35	PPBV		97
9) FREON 114	3.845	85	1826484	11.94	PPBV		90
10) CHLOROMETHANE	3.772	52	145306	9.04	PPBV		97
11) VINYL CHLORIDE	3.931	62	593830	10.49	PPBV		99
12) 1,3-BUTADIENE	4.029	54	365230	9.61	PPBV		87
13) n-BUTANE	4.065	43	709202	9.73	PPBV		99
14) BROMOMETHANE	4.231	94	588794	9.87	PPBV		100
15) CHLOROETHANE	4.353	64	268230	10.37	PPBV		98
16) DICHLOROFLUOROMETHANE	4.420	67	1454240	11.37	PPBV		99
17) ACETONITRILE	4.616	41	385156	9.15	PPBV		98
18) ACROLEIN	4.714	56	187042	10.17	PPBV		95
19) FREON 123	4.732	83	1400928	10.88	PPBV		99
20) FREON 123A	4.775	117	711738	10.40	PPBV	#	77
21) TRICHLOROFLUOROMETHANE	4.940	101	1391070	12.07	PPBV		99
22) ISOPROPYL ALCOHOL	5.026	45	853947	11.70	PPBV		98
23) ACETONE	4.818	58	219308	7.97	PPBV		98
24) PENTANE	5.228	42	444082	12.25	PPBV		96
25) IODOMETHANE	5.417	142	1205470	12.54	PPBV		98
26) 1,1-DICHLOROETHYLENE	5.479	96	420428	11.77	PPBV		88
27) CARBON DISULFIDE	5.852	76	1312173	12.70	PPBV		97
28) ETHANOL	4.451	45	235793	8.81	PPBV		99
29) BROMOETHENE	4.616	106	520063	10.23	PPBV		97
30) ACRYLONITRILE	5.197	52	259121	9.07	PPBV		96
31) METHYLENE CHLORIDE	5.589	84	401944	11.23	PPBV		99
32) 3-CHLOROPROPENE	5.693	76	213502	12.94	PPBV		94
33) FREON 113	5.815	151	730374	12.30	PPBV		93
34) TRANS-1,2-DICHLOROETHY...	6.451	96	433959	11.50	PPBV		92
35) TERTIARY BUTYL ALCOHOL	5.540	59	874757	12.74	PPBV		98
36) METHYL TERTIARY BUTYL ...	6.708	73	1337052	13.82	PPBV		98
37) TETRAHYDROFURAN	8.238	72	207730	14.03	PPBV		99
38) HEXANE	7.699	57	644426	12.06	PPBV		89
39) VINYL ACETATE	6.806	86	79218	12.97	PPBV		100
40) 1,1-DICHLOROETHANE	6.647	63	870259	12.41	PPBV		98
41) METHYL ETHYL KETONE	7.051	72	214897	14.52	PPBV		97
42) cis-1,2-DICHLOROETHYLENE	7.491	96	462622	11.82	PPBV		92
43) DIISOPROPYL ETHER	7.712	59	202733	12.49	PPBV		100
44) ETHYL ACETATE	7.742	61	152383	13.96	PPBV	#	98
45) METHYL ACRYLATE	7.730	55	796039	12.25	PPBV		99
46) CHLOROFORM	7.809	83	1106537	12.64	PPBV		99
47) 2,4-DIMETHYLPENTANE	8.660	57	739946	12.66	PPBV		98
48) 1,1,1-TRICHLOROETHANE	8.874	97	1116391	12.55	PPBV		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55665.D
Acq On : 16 Dec 2024 2:48 pm
Operator : thomash
Sample : bs
Misc : MS87926,V5W2132,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 16 15:46:38 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
49)	CARBON TETRACHLORIDE	9.565	117	1132473	12.05	PPBV		100
50)	1,2-DICHLOROETHANE	8.599	62	801045	14.06	PPBV		99
52)	BENZENE	9.394	78	1379509	12.27	PPBV		99
53)	CYCLOHEXANE	9.694	84	545013	12.91	PPBV		98
54)	2,3-DIMETHYLPENTANE	9.994	71	288914	12.67	PPBV		95
55)	TRICHLOROETHYLENE	10.648	95	662802	11.19	PPBV		90
56)	1,2-DICHLOROPROPANE	10.354	63	530631	11.12	PPBV		95
57)	DIBROMOMETHANE	10.330	174	725460	12.51	PPBV		89
58)	ETHYL ACRYLATE	10.410	55	961698	12.78	PPBV		99
59)	BROMODICHLOROMETHANE	10.599	83	1296683	12.53	PPBV		100
60)	2,2,4-TRIMETHYLPENTANE	10.679	57	2040937	11.96	PPBV		99
61)	1,4-DIOXANE	10.666	88	310062	11.85	PPBV	#	90
62)	HEPTANE	11.027	43	757294	12.70	PPBV		97
63)	METHYL METHACRYLATE	10.936	69	515170	13.79	PPBV		98
64)	METHYL ISOBUTYL KETONE	11.786	58	404769	12.74	PPBV		92
65)	cis-1,3-DICHLOROPROPENE	11.725	75	949812	13.11	PPBV		96
66)	TOLUENE	12.954	92	914443	11.63	PPBV		99
67)	1,3-DICHLOROPROPANE	13.003	76	847453	12.25	PPBV	#	99
68)	trans-1,3-DICHLOROPROPENE	12.404	75	878210	13.16	PPBV		98
69)	1,1,2-TRICHLOROETHANE	12.606	83	552789	11.64	PPBV		96
71)	2-HEXANONE	13.352	58	582264	12.03	PPBV		91
72)	ETHYL METHACRYLATE	13.383	69	874856	12.35	PPBV		97
73)	TETRACHLOROETHYLENE	14.459	164	724137	10.81	PPBV		85
74)	DIBROMOCHLOROMETHANE	13.505	129	1097363	10.07	PPBV		100
75)	1,2-DIBROMOETHANE	13.817	107	911071	10.08	PPBV		100
76)	OCTANE	14.325	43	1088115	12.08	PPBV		97
77)	1,1,1,2-TETRACHLOROETHANE	15.389	131	692014	9.20	PPBV		85
78)	CHLOROBENZENE	15.402	112	1197071	9.07	PPBV		91
79)	ETHYLBENZENE	15.952	91	2114091	11.18	PPBV		96
80)	m,p-XYLENE	16.234	106	1440067	20.07	PPBV		89
81)	o-XYLENE	16.900	106	711907	10.22	PPBV		88
82)	STYRENE	16.747	104	1092079	10.93	PPBV		94
83)	NONANE	17.304	43	1125028	11.97	PPBV		99
84)	BROMOFORM	16.283	173	1488858	13.36	PPBV		98
86)	1,1,2,2-TETRACHLOROETHANE	16.900	83	1490313	10.64	PPBV		100
87)	1,2,3-TRICHLOROPROPANE	17.096	75	1074166	10.63	PPBV		92
88)	ISOPROPYLBENZENE	17.812	105	2085393	9.68	PPBV		96
89)	BROMOBENZENE	17.904	77	1255606	10.31	PPBV		95
90)	2-CHLOROTOLUENE	18.546	126	495328	9.17	PPBV		99
91)	n-PROPYLBENZENE	18.632	120	534380	9.78	PPBV		99
92)	4-ETHYLTOLUENE	18.876	105	2103019	10.57	PPBV		99
93)	1,3,5-TRIMETHYLBENZENE	19.005	105	1773968	10.43	PPBV		97
94)	ALPHA-METHYLSTYRENE	19.250	118	834872	9.10	PPBV		97
95)	tert-BUTYLBENZENE	19.611	134	355440	9.58	PPBV		94
96)	1,2,4-TRIMETHYLBENZENE	19.623	105	1917561	10.75	PPBV		98
97)	m-DICHLOROBENZENE	19.812	146	1354118	9.64	PPBV		99
98)	BENZYL CHLORIDE	19.806	91	2007420	10.49	PPBV		95
99)	p-DICHLOROBENZENE	19.923	146	1326658	10.12	PPBV		99
100)	sec-BUTYLBENZENE	20.014	134	422729	9.55	PPBV	#	87
101)	1,2,3-TRIMETHYLBENZENE	20.235	105	1886161	10.41	PPBV	#	97
102)	p-ISOPROPYLTOLUENE	20.259	134	491728	9.45	PPBV		94
103)	o-DICHLOROBENZENE	20.400	146	1233415	9.67	PPBV		98
104)	n-BUTYLBENZENE	20.852	134	474883	9.92	PPBV	#	71
105)	HEXACHLOROETHANE	21.317	117	962829	10.79	PPBV	#	80
106)	HEXACHLOROBUTADIENE	23.361	225	1840228	15.34	PPBV		100
107)	1,2,4-TRICHLOROBENZENE	23.214	180	1342041	11.81	PPBV		95
108)	NAPHTHALENE	22.877	128	2306330	9.25	PPBV		100
110)	TVHC as equiv Pentane	5.228	TIC	2904603	10.88	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55665.D
Acq On : 16 Dec 2024 2:48 pm
Operator : thomash
Sample : bs
Misc : MS87926,V5W2132,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 16 15:46:38 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

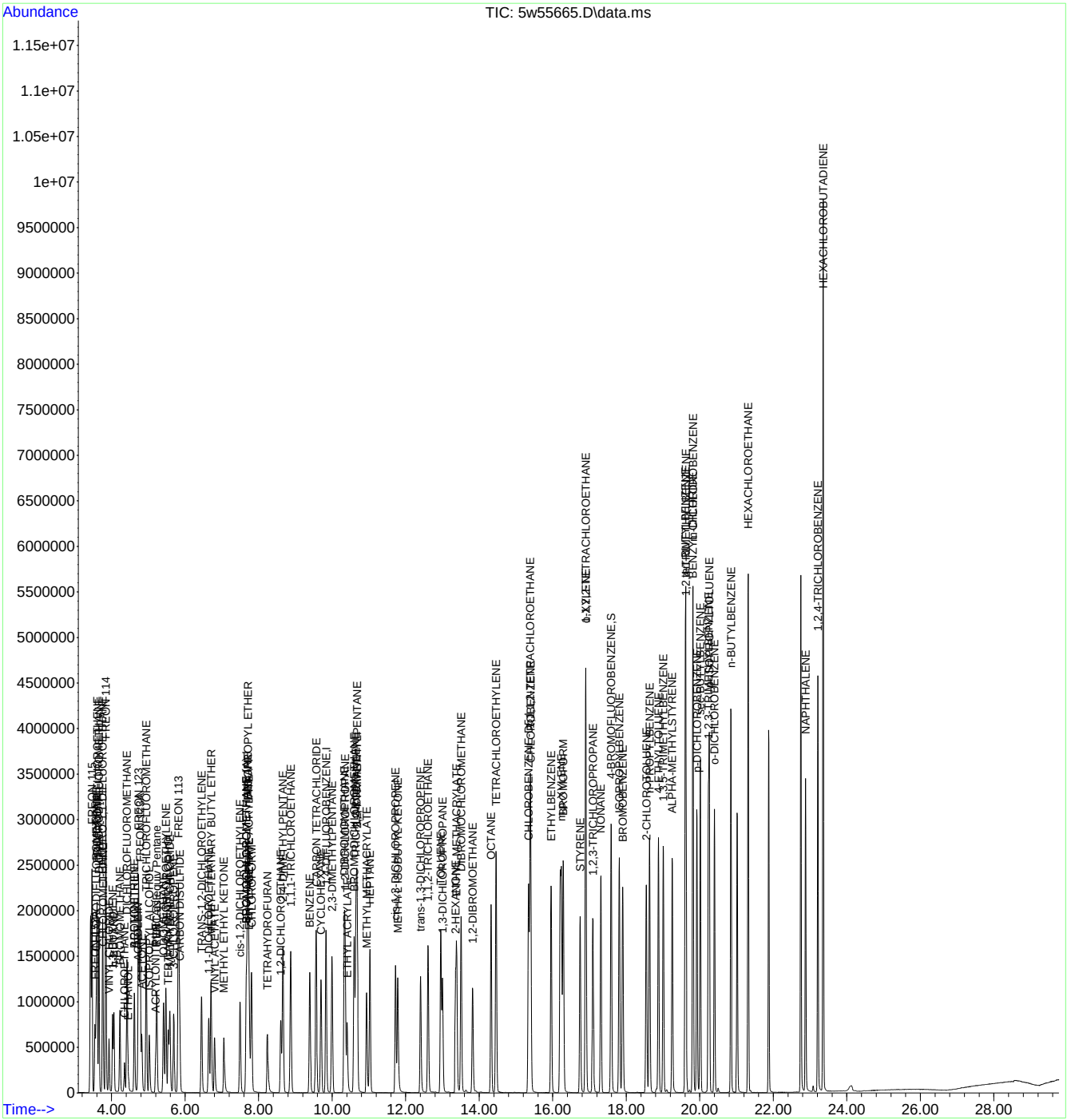
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55665.D
Acq On : 16 Dec 2024 2:48 pm
Operator : thomash
Sample : bs
Misc : MS87926,V5W2132,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 16 15:46:38 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55666.D
Acq On : 16 Dec 2024 3:29 pm
Operator : thomash
Sample : bsd
Misc : MS87926,V5W2132,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 16 17:14:09 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.669	128	328331	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.835	114	1518453	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	15.347	82	1014713	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.669	128	328331	10.00	PPBV	#	0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	17.592	95	1136727	10.01	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 100.10%				
Target Compounds							Qvalue
2) FREON 115	3.466	119	555178	12.35	PPBV		85
3) FREON 152A	3.546	65	298262	12.28	PPBV		97
4) CHLORODIFLUOROMETHANE	3.576	67	179176	14.23	PPBV		99
5) CHLOROTRIFLUOROETHENE	3.607	116	562630	9.90	PPBV		95
6) DICHLORODIFLUOROMETHANE	3.656	85	1498087	12.49	PPBV		99
7) PROPYLENE	3.601	41	352363	11.66	PPBV		97
8) 1-CHLORO-1,1-DIFLUOROE...	3.754	65	1517988	12.35	PPBV		97
9) FREON 114	3.846	85	1749402	11.89	PPBV		90
10) CHLOROMETHANE	3.772	52	143129	9.25	PPBV		95
11) VINYL CHLORIDE	3.931	62	571565	10.49	PPBV		99
12) 1,3-BUTADIENE	4.029	54	353505	9.67	PPBV		88
13) n-BUTANE	4.066	43	695207	9.91	PPBV		99
14) BROMOMETHANE	4.231	94	565818	9.86	PPBV		100
15) CHLOROETHANE	4.353	64	261540	10.50	PPBV		98
16) DICHLOROFLUOROMETHANE	4.421	67	1394933	11.33	PPBV		100
17) ACETONITRILE	4.616	41	377335	9.31	PPBV		99
18) ACROLEIN	4.714	56	180626	10.21	PPBV		96
19) FREON 123	4.733	83	1362523	11.00	PPBV		99
20) FREON 123A	4.775	117	678102	10.30	PPBV	#	74
21) TRICHLOROFLUOROMETHANE	4.947	101	1309631	11.81	PPBV		100
22) ISOPROPYL ALCOHOL	5.026	45	825912	11.76	PPBV		97
23) ACETONE	4.824	58	208886	7.89	PPBV		95
24) PENTANE	5.234	42	434002	12.44	PPBV		97
25) IODOMETHANE	5.418	142	1171331	12.66	PPBV		98
26) 1,1-DICHLOROETHYLENE	5.485	96	413959	12.05	PPBV		89
27) CARBON DISULFIDE	5.852	76	1276726	12.84	PPBV		97
28) ETHANOL	4.451	45	235434	9.14	PPBV		98
29) BROMOETHENE	4.616	106	500800	10.24	PPBV		96
30) ACRYLONITRILE	5.204	52	255687	9.29	PPBV		98
31) METHYLENE CHLORIDE	5.589	84	393250	11.42	PPBV		100
32) 3-CHLOROPROPENE	5.693	76	210802	13.28	PPBV		95
33) FREON 113	5.822	151	709168	12.41	PPBV		94
34) TRANS-1,2-DICHLOROETHY...	6.452	96	421988	11.62	PPBV		92
35) TERTIARY BUTYL ALCOHOL	5.546	59	850202	12.86	PPBV		97
36) METHYL TERTIARY BUTYL ...	6.709	73	1311374	14.09	PPBV		98
37) TETRAHYDROFURAN	8.238	72	206222	14.47	PPBV		99
38) HEXANE	7.700	57	635159	12.35	PPBV		89
39) VINYL ACETATE	6.806	86	76616	13.03	PPBV		97
40) 1,1-DICHLOROETHANE	6.647	63	853260	12.64	PPBV		99
41) METHYL ETHYL KETONE	7.051	72	213129	14.96	PPBV		97
42) cis-1,2-DICHLOROETHYLENE	7.498	96	452352	12.00	PPBV		92
43) DIISOPROPYL ETHER	7.712	59	201877	12.92	PPBV		98
44) ETHYL ACETATE	7.749	61	150172	14.29	PPBV	#	98
45) METHYL ACRYLATE	7.730	55	780033	12.47	PPBV		98
46) CHLOROFORM	7.810	83	1100436	13.06	PPBV		98
47) 2,4-DIMETHYLPENTANE	8.660	57	729392	12.96	PPBV		98
48) 1,1,1-TRICHLOROETHANE	8.874	97	1109698	12.97	PPBV		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55666.D
Acq On : 16 Dec 2024 3:29 pm
Operator : thomash
Sample : bsd
Misc : MS87926,V5W2132,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 16 17:14:09 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
49)	CARBON TETRACHLORIDE	9.566	117	1119558	12.38	PPBV		100
50)	1,2-DICHLOROETHANE	8.605	62	794532	14.49	PPBV		99
52)	BENZENE	9.394	78	1366132	12.41	PPBV		99
53)	CYCLOHEXANE	9.700	84	537723	13.01	PPBV		98
54)	2,3-DIMETHYLPENTANE	10.000	71	292100	13.09	PPBV		95
55)	TRICHLOROETHYLENE	10.648	95	655950	11.31	PPBV		90
56)	1,2-DICHLOROPROPANE	10.355	63	529733	11.34	PPBV		95
57)	DIBROMOMETHANE	10.336	174	706390	12.44	PPBV		90
58)	ETHYL ACRYLATE	10.410	55	966237	13.11	PPBV		99
59)	BROMODICHLOROMETHANE	10.606	83	1285318	12.69	PPBV		100
60)	2,2,4-TRIMETHYLPENTANE	10.685	57	2031240	12.15	PPBV		99
61)	1,4-DIOXANE	10.667	88	307176	11.98	PPBV	#	76
62)	HEPTANE	11.028	43	762656	13.06	PPBV		97
63)	METHYL METHACRYLATE	10.936	69	507798	13.88	PPBV		97
64)	METHYL ISOBUTYL KETONE	11.786	58	408240	13.13	PPBV		92
65)	cis-1,3-DICHLOROPROPENE	11.731	75	947874	13.36	PPBV		94
66)	TOLUENE	12.961	92	909579	11.82	PPBV		98
67)	1,3-DICHLOROPROPANE	13.004	76	854641	12.62	PPBV	#	99
68)	trans-1,3-DICHLOROPROPENE	12.404	75	869187	13.31	PPBV		97
69)	1,1,2-TRICHLOROETHANE	12.612	83	548990	11.81	PPBV		97
71)	2-HEXANONE	13.359	58	585868	12.24	PPBV		92
72)	ETHYL METHACRYLATE	13.389	69	887314	12.66	PPBV		98
73)	TETRACHLOROETHYLENE	14.466	164	720325	10.87	PPBV		85
74)	DIBROMOCHLOROMETHANE	13.511	129	1101331	10.22	PPBV		99
75)	1,2-DIBROMOETHANE	13.823	107	916866	10.26	PPBV		100
76)	OCTANE	14.325	43	1085591	12.18	PPBV		97
77)	1,1,1,2-TETRACHLOROETHANE	15.390	131	686934	9.23	PPBV		85
78)	CHLOROBENZENE	15.402	112	1196746	9.16	PPBV		91
79)	ETHYLBENZENE	15.959	91	2119009	11.33	PPBV		96
80)	m,p-XYLENE	16.234	106	1448698	20.41	PPBV		88
81)	o-XYLENE	16.901	106	717058	10.41	PPBV		87
82)	STYRENE	16.748	104	1110118	11.23	PPBV		94
83)	NONANE	17.311	43	1144866	12.31	PPBV		100
84)	BROMOFORM	16.289	173	1493118	13.54	PPBV		98
86)	1,1,2,2-TETRACHLOROETHANE	16.901	83	1515358	10.94	PPBV		99
87)	1,2,3-TRICHLOROPROPANE	17.096	75	1079973	10.80	PPBV		92
88)	ISOPROPYLBENZENE	17.812	105	2094103	9.82	PPBV		96
89)	BROMOBENZENE	17.904	77	1265597	10.51	PPBV		95
90)	2-CHLOROTOLUENE	18.546	126	493203	9.23	PPBV		100
91)	n-PROPYLBENZENE	18.632	120	535093	9.90	PPBV		98
92)	4-ETHYLTOLUENE	18.877	105	2144969	10.90	PPBV		97
93)	1,3,5-TRIMETHYLBENZENE	19.011	105	1796773	10.68	PPBV		96
94)	ALPHA-METHYLSTYRENE	19.256	118	838767	9.24	PPBV		98
95)	tert-BUTYLBENZENE	19.611	134	358973	9.78	PPBV		95
96)	1,2,4-TRIMETHYLBENZENE	19.623	105	1957876	11.10	PPBV		97
97)	m-DICHLOROBENZENE	19.813	146	1368807	9.85	PPBV		99
98)	BENZYL CHLORIDE	19.807	91	2032236	10.73	PPBV		96
99)	p-DICHLOROBENZENE	19.923	146	1325705	10.22	PPBV		99
100)	sec-BUTYLBENZENE	20.015	134	428188	9.77	PPBV	#	86
101)	1,2,3-TRIMETHYLBENZENE	20.235	105	1891681	10.56	PPBV	#	97
102)	p-ISOPROPYLTOLUENE	20.259	134	497775	9.67	PPBV		93
103)	o-DICHLOROBENZENE	20.400	146	1241771	9.85	PPBV		99
104)	n-BUTYLBENZENE	20.853	134	477396	10.08	PPBV	#	68
105)	HEXACHLOROETHANE	21.312	117	982618	11.13	PPBV	#	80
106)	HEXACHLOROBUTADIENE	23.251	225	2014121	16.97	PPBV		100
107)	1,2,4-TRICHLOROBENZENE	23.116	180	1459847	12.99	PPBV		95
108)	NAPHTHALENE	22.798	128	2414020	9.79	PPBV		100
110)	TVHC as equiv Pentane	5.228	TIC	2817019	10.96	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55666.D
Acq On : 16 Dec 2024 3:29 pm
Operator : thomash
Sample : bsd
Misc : MS87926,V5W2132,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 16 17:14:09 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

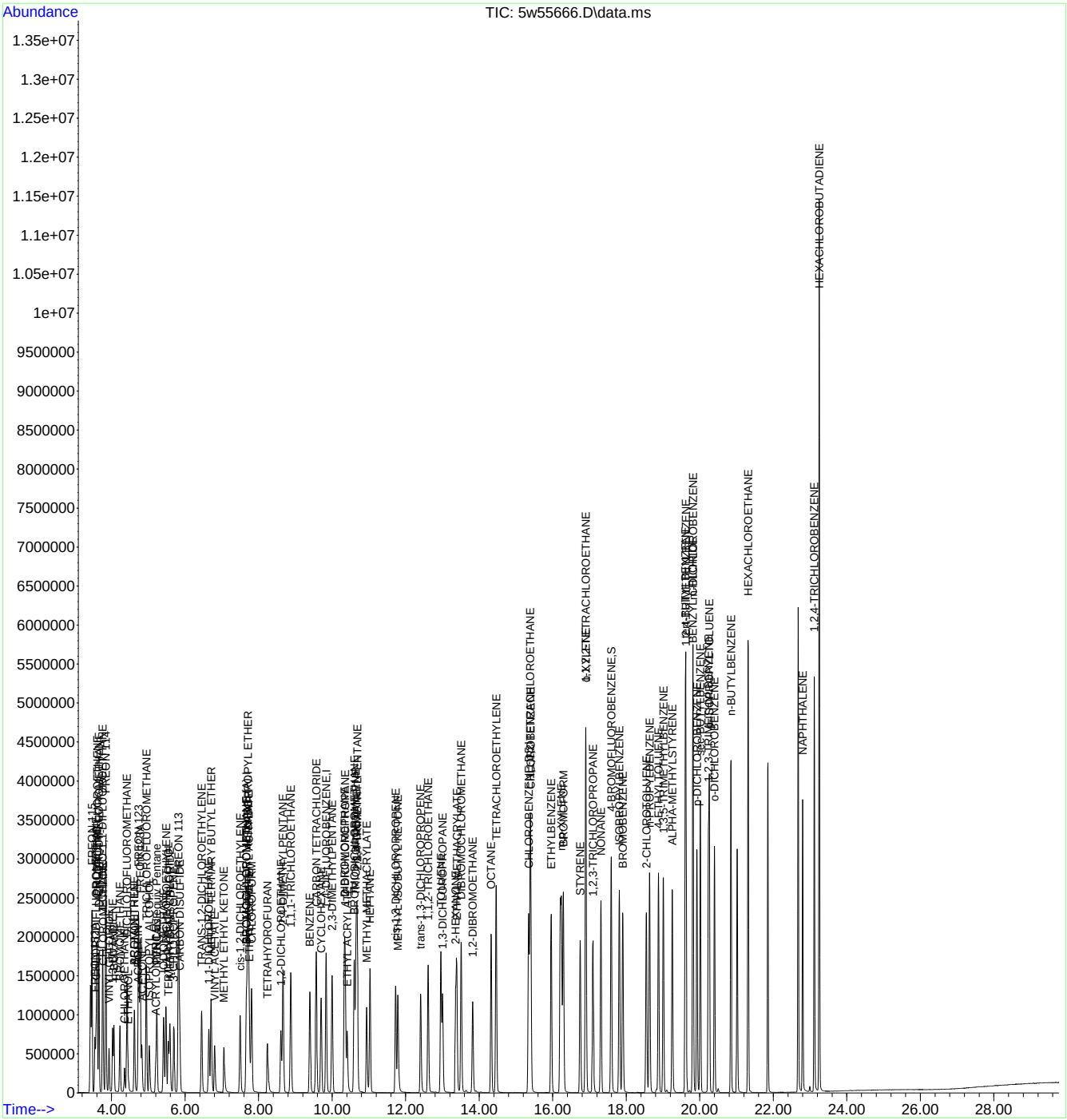
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55666.D
Acq On : 16 Dec 2024 3:29 pm
Operator : thomash
Sample : bsd
Misc : MS87926,V5W2132,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 16 17:14:09 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55701.D
Acq On : 17 Dec 2024 9:13 pm
Operator : thomash
Sample : bs Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 18:33:17 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	7.669	128	313892	10.00	PPBV	# 0.00
51) 1,4-DIFLUOROBENZENE	9.835	114	1454050	10.00	PPBV	0.00
70) CHLOROBENZENE-D5	15.347	82	902926	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	7.669	128	313892	10.00	PPBV	# 0.00
System Monitoring Compounds						
85) 4-BROMOFLUOROBENZENE	17.586	95	1012991	10.02	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 100.20%			
Target Compounds						Qvalue
2) FREON 115	3.460	119	565739	13.1668	PPBV	91
3) FREON 152A	3.539	65	284375	12.2452	PPBV	94
4) CHLORODIFLUOROMETHANE	3.576	67	159275	13.2268	PPBV	98
5) CHLOROTRIFLUOROETHENE	3.601	116	564184	10.3804	PPBV	98
6) DICHLORODIFLUOROMETHANE	3.650	85	1415187	12.3372	PPBV	99
7) PROPYLENE	3.594	41	354111	12.2570	PPBV	97
8) 1-CHLORO-1,1-DIFLUOROE...	3.754	65	1323070	11.2633	PPBV	98
9) FREON 114	3.839	85	1523848	10.8301	PPBV	95
10) CHLOROMETHANE	3.766	52	140759	9.5156	PPBV	96
11) VINYL CHLORIDE	3.925	62	501674	9.6309	PPBV	99
12) 1,3-BUTADIENE	4.023	54	328641	9.4013	PPBV #	81
13) n-BUTANE	4.059	43	677176	10.0983	PPBV	98
14) BROMOMETHANE	4.225	94	501334	9.1337	PPBV	99
15) CHLOROETHANE	4.353	64	221160	9.2911	PPBV	96
16) DICHLOROFLUOROMETHANE	4.420	67	1186539	10.0844	PPBV	98
17) ACETONITRILE	4.616	41	382031	9.8628	PPBV	99
18) ACROLEIN	4.708	56	172478	10.1971	PPBV	99
19) FREON 123	4.732	83	1197754	10.1145	PPBV	99
20) FREON 123A	4.775	117	626407	9.9483	PPBV	87
21) TRICHLOROFLUOROMETHANE	4.940	101	1226758	11.5726	PPBV	100
22) ISOPROPYL ALCOHOL	5.020	45	790681	11.7722	PPBV	97
23) ACETONE	4.818	58	188311	7.4382	PPBV #	75
24) PENTANE	5.228	42	412053	12.3497	PPBV	96
25) IODOMETHANE	5.411	142	1095345	12.3862	PPBV	98
26) 1,1-DICHLOROETHYLENE	5.479	96	369495	11.2461	PPBV	92
27) CARBON DISULFIDE	5.846	76	1178475	12.3977	PPBV	97
28) ETHANOL	4.451	45	234765	9.5372	PPBV	98
29) BROMOETHENE	4.616	106	463255	9.9074	PPBV	97
30) ACRYLONITRILE	5.197	52	244683	9.3040	PPBV	99
31) METHYLENE CHLORIDE	5.589	84	349487	10.6154	PPBV	94
32) 3-CHLOROPROPENE	5.693	76	190768	12.5662	PPBV #	87
33) FREON 113	5.815	151	700101	12.8166	PPBV	90
34) TRANS-1,2-DICHLOROETHY...	6.445	96	391118	11.2651	PPBV	94
35) TERTIARY BUTYL ALCOHOL	5.540	59	757111	11.9832	PPBV	95
36) METHYL TERTIARY BUTYL ...	6.702	73	1179737	13.2568	PPBV	97
37) TETRAHYDROFURAN	8.238	72	184127	13.5162	PPBV	90
38) HEXANE	7.699	57	608636	12.3752	PPBV	89
39) VINYL ACETATE	6.806	86	69299	12.3275	PPBV #	78
40) 1,1-DICHLOROETHANE	6.647	63	782820	12.1315	PPBV	99
41) METHYL ETHYL KETONE	7.051	72	193409	14.2049	PPBV #	82
42) cis-1,2-DICHLOROETHYLENE	7.498	96	420664	11.6767	PPBV	94
43) DIISOPROPYL ETHER	7.712	59	186180	12.4621	PPBV #	85
44) ETHYL ACETATE	7.742	61	140521	13.9905	PPBV #	97
45) METHYL ACRYLATE	7.730	55	787676	13.1741	PPBV	98
46) CHLOROFORM	7.803	83	999111	12.3991	PPBV	99
47) 2,4-DIMETHYLPENTANE	8.660	57	691755	12.8610	PPBV	100
48) 1,1,1-TRICHLOROETHANE	8.874	97	1006425	12.3007	PPBV	98

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55701.D
Acq On : 17 Dec 2024 9:13 pm
Operator : thomash
Sample : bs Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 18:33:17 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
49)	CARBON TETRACHLORIDE	9.559	117	1065043	12.3166	PPBV		99
50)	1,2-DICHLOROETHANE	8.599	62	713469	13.6130	PPBV		98
52)	BENZENE	9.394	78	1257021	11.9271	PPBV		99
53)	CYCLOHEXANE	9.694	84	486536	12.2895	PPBV		97
54)	2,3-DIMETHYLPENTANE	9.994	71	259732	12.1515	PPBV		98
55)	TRICHLOROETHYLENE	10.648	95	606209	10.9106	PPBV		93
56)	1,2-DICHLOROPROPANE	10.355	63	487323	10.8937	PPBV		96
57)	DIBROMOMETHANE	10.330	174	698985	12.8515	PPBV		85
58)	ETHYL ACRYLATE	10.410	55	966249	13.6926	PPBV		99
59)	BROMODICHLOROMETHANE	10.599	83	1178495	12.1464	PPBV		100
60)	2,2,4-TRIMETHYLPENTANE	10.679	57	1917970	11.9840	PPBV		98
61)	1,4-DIOXANE	10.667	88	278430	11.3444	PPBV		92
62)	HEPTANE	11.027	43	734912	13.1469	PPBV		95
63)	METHYL METHACRYLATE	10.936	69	466996	13.3286	PPBV		92
64)	METHYL ISOBUTYL KETONE	11.786	58	380109	12.7624	PPBV	#	84
65)	cis-1,3-DICHLOROPROPENE	11.725	75	867878	12.7711	PPBV		93
66)	TOLUENE	12.955	92	833668	11.3092	PPBV		99
67)	1,3-DICHLOROPROPANE	13.003	76	782394	12.0642	PPBV	#	99
68)	trans-1,3-DICHLOROPROPENE	12.404	75	789840	12.6276	PPBV		94
69)	1,1,2-TRICHLOROETHANE	12.606	83	514691	11.5580	PPBV		96
71)	2-HEXANONE	13.358	58	543573	12.7616	PPBV		83
72)	ETHYL METHACRYLATE	13.383	69	807428	12.9466	PPBV		93
73)	TETRACHLOROETHYLENE	14.460	164	702048	11.9038	PPBV		84
74)	DIBROMOCHLOROMETHANE	13.505	129	1035622	10.7992	PPBV		99
75)	1,2-DIBROMOETHANE	13.823	107	887287	11.1580	PPBV		99
76)	OCTANE	14.325	43	1070818	13.5020	PPBV		94
77)	1,1,1,2-TETRACHLOROETHANE	15.383	131	668416	10.0948	PPBV		90
78)	CHLOROBENZENE	15.402	112	1154772	9.9346	PPBV		93
79)	ETHYLBENZENE	15.952	91	1956239	11.7515	PPBV		97
80)	m,p-XYLENE	16.234	106	1371318	21.7102	PPBV		92
81)	o-XYLENE	16.900	106	681674	11.1179	PPBV		92
82)	STYRENE	16.748	104	1052497	11.9681	PPBV		95
83)	NONANE	17.310	43	1118669	13.5163	PPBV		97
84)	BROMOFORM	16.289	173	1443015	14.7072	PPBV		99
86)	1,1,2,2-TETRACHLOROETHANE	16.900	83	1389683	11.2759	PPBV		100
87)	1,2,3-TRICHLOROPROPANE	17.090	75	990307	11.1286	PPBV		95
88)	ISOPROPYLBENZENE	17.812	105	1992471	10.5020	PPBV		97
89)	BROMOBENZENE	17.904	77	1163694	10.8599	PPBV		98
90)	2-CHLOROTOLUENE	18.546	126	481256	10.1243	PPBV		100
91)	n-PROPYLBENZENE	18.632	120	515888	10.7259	PPBV		99
92)	4-ETHYLTOLUENE	18.876	105	2026620	11.5739	PPBV		98
93)	1,3,5-TRIMETHYLBENZENE	19.005	105	1698402	11.3495	PPBV		97
94)	ALPHA-METHYLSTYRENE	19.256	118	797961	9.8784	PPBV		97
95)	tert-BUTYLBENZENE	19.611	134	342276	10.4760	PPBV		94
96)	1,2,4-TRIMETHYLBENZENE	19.623	105	1838391	11.7088	PPBV		98
97)	m-DICHLOROBENZENE	19.813	146	1339814	10.8375	PPBV		98
98)	BENZYL CHLORIDE	19.806	91	1865291	11.0684	PPBV		97
99)	p-DICHLOROBENZENE	19.923	146	1301886	11.2793	PPBV		98
100)	sec-BUTYLBENZENE	20.014	134	412760	10.5885	PPBV	#	89
101)	1,2,3-TRIMETHYLBENZENE	20.235	105	1793961	11.2501	PPBV	#	98
102)	p-ISOPROPYLTOLUENE	20.259	134	475123	10.3705	PPBV		95
103)	o-DICHLOROBENZENE	20.400	146	1223964	10.9062	PPBV		98
104)	n-BUTYLBENZENE	20.852	134	455939	10.8186	PPBV	#	77
105)	HEXACHLOROETHANE	21.317	117	953521	12.1375	PPBV	#	81
106)	HEXACHLOROBUTADIENE	23.361	225	1732900	16.4128	PPBV		100
107)	1,2,4-TRICHLOROBENZENE	23.214	180	1430193	14.3025	PPBV		96
108)	NAPHTHALENE	22.877	128	2358681	10.7459	PPBV		100
110)	TVHC as equiv Pentane	5.228	TIC	2726987	11.0975	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55701.D
Acq On : 17 Dec 2024 9:13 pm
Operator : thomash
Sample : bs Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 18:33:17 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

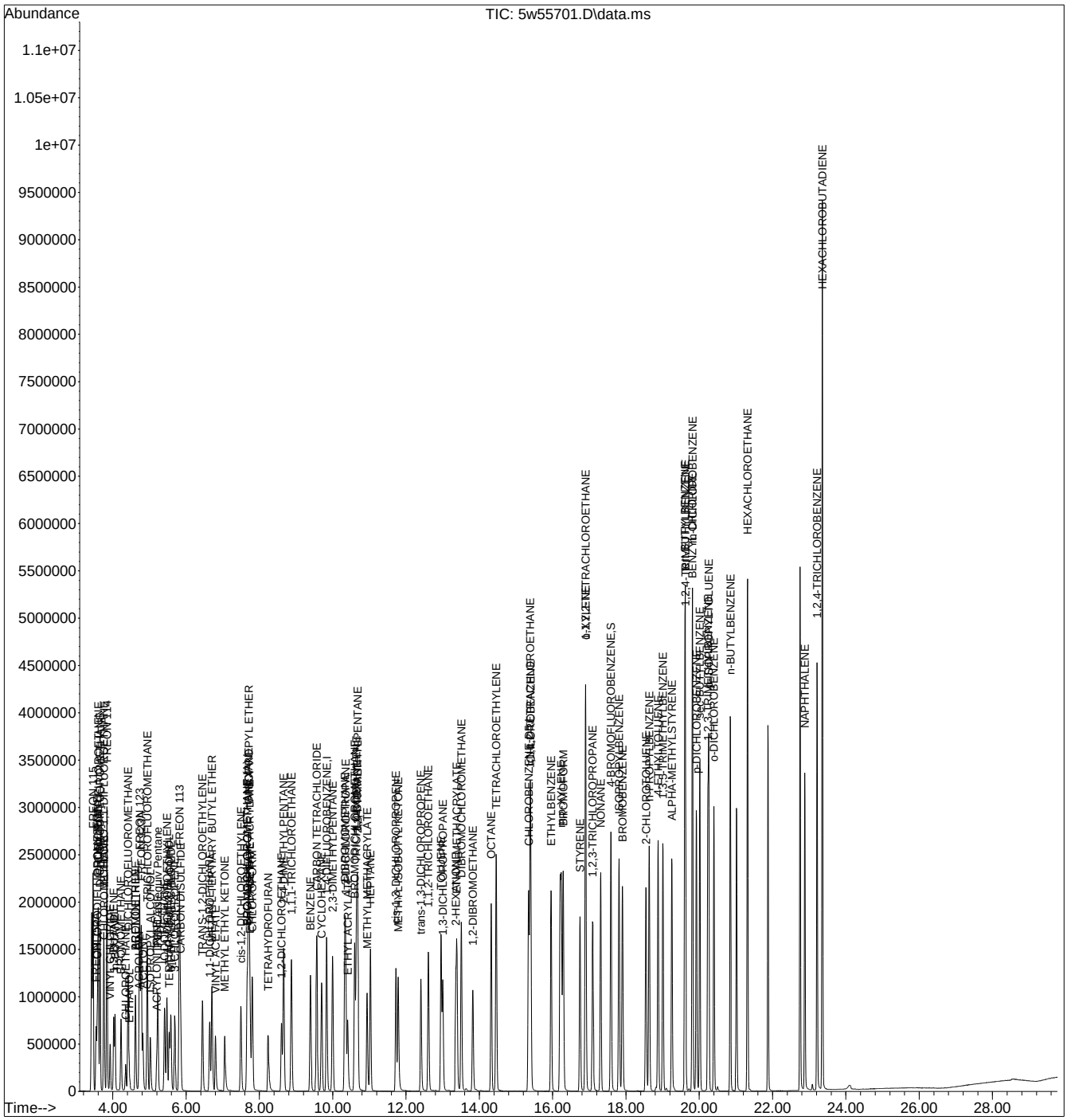
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55701.D
Acq On : 17 Dec 2024 9:13 pm
Operator : thomash
Sample : bs Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 18:33:17 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55703.D
Acq On : 17 Dec 2024 10:35 pm
Operator : thomash
Sample : bsd Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 18:33:56 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.663	128	319491	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.829	114	1462454	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	15.341	82	906713	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.663	128	319491	10.00	PPBV	#	0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	17.586	95	1005252	9.91	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 99.10%				
Target Compounds							Qvalue
2) FREON 115	3.454	119	523028	11.9594	PPBV		88
3) FREON 152A	3.533	65	278056	11.7633	PPBV		93
4) CHLORODIFLUOROMETHANE	3.564	67	155658	12.6999	PPBV		95
5) CHLOROTRIFLUOROETHENE	3.595	116	549136	9.9265	PPBV		97
6) DICHLORODIFLUOROMETHANE	3.644	85	1386093	11.8718	PPBV		99
7) PROPYLENE	3.588	41	355035	12.0736	PPBV		97
8) 1-CHLORO-1,1-DIFLUOROE...	3.748	65	1414411	11.8298	PPBV		98
9) FREON 114	3.833	85	1603406	11.1958	PPBV		95
10) CHLOROMETHANE	3.760	52	152620	10.1366	PPBV		100
11) VINYL CHLORIDE	3.919	62	535334	10.0970	PPBV		98
12) 1,3-BUTADIENE	4.017	54	348917	9.8064	PPBV	#	83
13) n-BUTANE	4.053	43	718682	10.5294	PPBV		97
14) BROMOMETHANE	4.219	94	516272	9.2410	PPBV		99
15) CHLOROETHANE	4.347	64	224643	9.2721	PPBV		95
16) DICHLOROFLUOROMETHANE	4.408	67	1207581	10.0834	PPBV		97
17) ACETONITRILE	4.610	41	384779	9.7597	PPBV		98
18) ACROLEIN	4.702	56	172931	10.0447	PPBV		99
19) FREON 123	4.726	83	1196430	9.9263	PPBV		99
20) FREON 123A	4.763	117	630011	9.8302	PPBV		88
21) TRICHLOROFLUOROMETHANE	4.934	101	1229725	11.3973	PPBV		99
22) ISOPROPYL ALCOHOL	5.014	45	763115	11.1627	PPBV		97
23) ACETONE	4.812	58	190310	7.3855	PPBV	#	73
24) PENTANE	5.222	42	395773	11.6539	PPBV		95
25) IODOMETHANE	5.405	142	1000997	11.1209	PPBV		100
26) 1,1-DICHLOROETHYLENE	5.473	96	389796	11.6561	PPBV		90
27) CARBON DISULFIDE	5.840	76	1221179	12.6219	PPBV		97
28) ETHANOL	4.445	45	240425	9.5959	PPBV		98
29) BROMOETHENE	4.610	106	479535	10.0759	PPBV		97
30) ACRYLONITRILE	5.191	52	233936	8.7395	PPBV		99
31) METHYLENE CHLORIDE	5.577	84	372212	11.1075	PPBV		94
32) 3-CHLOROPROPENE	5.681	76	197475	12.7801	PPBV	#	86
33) FREON 113	5.809	151	716925	12.8946	PPBV		91
34) TRANS-1,2-DICHLOROETHY...	6.439	96	404836	11.4559	PPBV		94
35) TERTIARY BUTYL ALCOHOL	5.534	59	802450	12.4782	PPBV		95
36) METHYL TERTIARY BUTYL ...	6.702	73	1222293	13.4943	PPBV		97
37) TETRAHYDROFURAN	8.232	72	194280	14.0116	PPBV		92
38) HEXANE	7.693	57	631896	12.6230	PPBV		89
39) VINYL ACETATE	6.800	86	72188	12.6164	PPBV	#	74
40) 1,1-DICHLOROETHANE	6.641	63	803245	12.2299	PPBV		98
41) METHYL ETHYL KETONE	7.045	72	200051	14.4352	PPBV	#	76
42) cis-1,2-DICHLOROETHYLENE	7.492	96	434125	11.8391	PPBV		93
43) DIISOPROPYL ETHER	7.706	59	192063	12.6306	PPBV	#	83
44) ETHYL ACETATE	7.736	61	147247	14.4032	PPBV	#	38
45) METHYL ACRYLATE	7.724	55	811813	13.3399	PPBV		98
46) CHLOROFORM	7.804	83	1037123	12.6453	PPBV		98
47) 2,4-DIMETHYLPENTANE	8.654	57	720377	13.1585	PPBV		99
48) 1,1,1-TRICHLOROETHANE	8.868	97	1037001	12.4523	PPBV		98

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55703.D
Acq On : 17 Dec 2024 10:35 pm
Operator : thomash
Sample : bsd Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 18:33:56 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
49)	CARBON TETRACHLORIDE	9.559	117	1093220	12.4209	PPBV		99
50)	1,2-DICHLOROETHANE	8.599	62	736647	13.8089	PPBV		98
52)	BENZENE	9.394	78	1307486	12.3347	PPBV		99
53)	CYCLOHEXANE	9.694	84	503829	12.6532	PPBV		98
54)	2,3-DIMETHYLPENTANE	9.994	71	275093	12.7962	PPBV		100
55)	TRICHLOROETHYLENE	10.648	95	626809	11.2165	PPBV		93
56)	1,2-DICHLOROPROPANE	10.355	63	506804	11.2641	PPBV		97
57)	DIBROMOMETHANE	10.330	174	714172	13.0552	PPBV		86
58)	ETHYL ACRYLATE	10.404	55	1004441	14.1520	PPBV		99
59)	BROMODICHLOROMETHANE	10.599	83	1210939	12.4090	PPBV		99
60)	2,2,4-TRIMETHYLPENTANE	10.679	57	1992264	12.3767	PPBV		98
61)	1,4-DIOXANE	10.667	88	295490	11.9703	PPBV	#	88
62)	HEPTANE	11.021	43	764169	13.5917	PPBV		94
63)	METHYL METHACRYLATE	10.930	69	482843	13.7017	PPBV		92
64)	METHYL ISOBUTYL KETONE	11.786	58	392461	13.1014	PPBV	#	83
65)	cis-1,3-DICHLOROPROPENE	11.725	75	895059	13.0954	PPBV		92
66)	TOLUENE	12.955	92	853406	11.5104	PPBV		98
67)	1,3-DICHLOROPROPANE	13.004	76	799011	12.2496	PPBV	#	99
68)	trans-1,3-DICHLOROPROPENE	12.404	75	820148	13.0368	PPBV		94
69)	1,1,2-TRICHLOROETHANE	12.606	83	531421	11.8651	PPBV		95
71)	2-HEXANONE	13.352	58	565228	13.2145	PPBV		82
72)	ETHYL METHACRYLATE	13.383	69	832567	13.2939	PPBV		93
73)	TETRACHLOROETHYLENE	14.460	164	713567	12.0486	PPBV		84
74)	DIBROMOCHLOROMETHANE	13.505	129	1064490	11.0538	PPBV		99
75)	1,2-DIBROMOETHANE	13.817	107	904377	11.3254	PPBV		100
76)	OCTANE	14.325	43	1098704	13.7958	PPBV		94
77)	1,1,1,2-TETRACHLOROETHANE	15.383	131	683441	10.2786	PPBV		90
78)	CHLOROBENZENE	15.402	112	1173195	10.0509	PPBV		94
79)	ETHYLBENZENE	15.952	91	1995933	11.9399	PPBV		97
80)	m,p-XYLENE	16.228	106	1397327	22.0296	PPBV		92
81)	o-XYLENE	16.894	106	689056	11.1913	PPBV		92
82)	STYRENE	16.748	104	1070082	12.1172	PPBV		96
83)	NONANE	17.304	43	1142765	13.7498	PPBV		97
84)	BROMOFORM	16.289	173	1447121	14.6874	PPBV		99
86)	1,1,2,2-TETRACHLOROETHANE	16.901	83	1420053	11.4742	PPBV		99
87)	1,2,3-TRICHLOROPROPANE	17.090	75	999791	11.1883	PPBV		94
88)	ISOPROPYLBENZENE	17.812	105	2005084	10.5243	PPBV		96
89)	BROMOBENZENE	17.904	77	1178775	10.9547	PPBV		99
90)	2-CHLOROTOLUENE	18.546	126	478616	10.0267	PPBV		100
91)	n-PROPYLBENZENE	18.632	120	512163	10.6039	PPBV		100
92)	4-ETHYLTOLUENE	18.877	105	2023010	11.5050	PPBV		98
93)	1,3,5-TRIMETHYLBENZENE	19.005	105	1692790	11.2647	PPBV		97
94)	ALPHA-METHYLSTYRENE	19.256	118	799215	9.8526	PPBV		98
95)	tert-BUTYLBENZENE	19.611	134	342490	10.4388	PPBV		95
96)	1,2,4-TRIMETHYLBENZENE	19.623	105	1839909	11.6695	PPBV		98
97)	m-DICHLOROBENZENE	19.813	146	1324406	10.6681	PPBV		99
98)	BENZYL CHLORIDE	19.807	91	1867818	11.0371	PPBV		96
99)	p-DICHLOROBENZENE	19.917	146	1270477	10.9612	PPBV		99
100)	sec-BUTYLBENZENE	20.015	134	402854	10.2912	PPBV	#	85
101)	1,2,3-TRIMETHYLBENZENE	20.235	105	1789023	11.1722	PPBV	#	97
102)	p-ISOPROPYLTOLUENE	20.259	134	473759	10.2976	PPBV		95
103)	o-DICHLOROBENZENE	20.400	146	1198677	10.6362	PPBV		98
104)	n-BUTYLBENZENE	20.853	134	451413	10.6664	PPBV	#	76
105)	HEXACHLOROETHANE	21.318	117	916453	11.6169	PPBV	#	83
106)	HEXACHLOROBUTADIENE	23.361	225	1608418	15.1702	PPBV		100
107)	1,2,4-TRICHLOROBENZENE	23.214	180	1301197	12.9582	PPBV		96
108)	NAPHTHALENE	22.878	128	2226962	10.1034	PPBV		100
110)	TVHC as equiv Pentane	5.222	TIC	2569000	10.2713	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55703.D
Acq On : 17 Dec 2024 10:35 pm
Operator : thomash
Sample : bsd Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 18:33:56 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

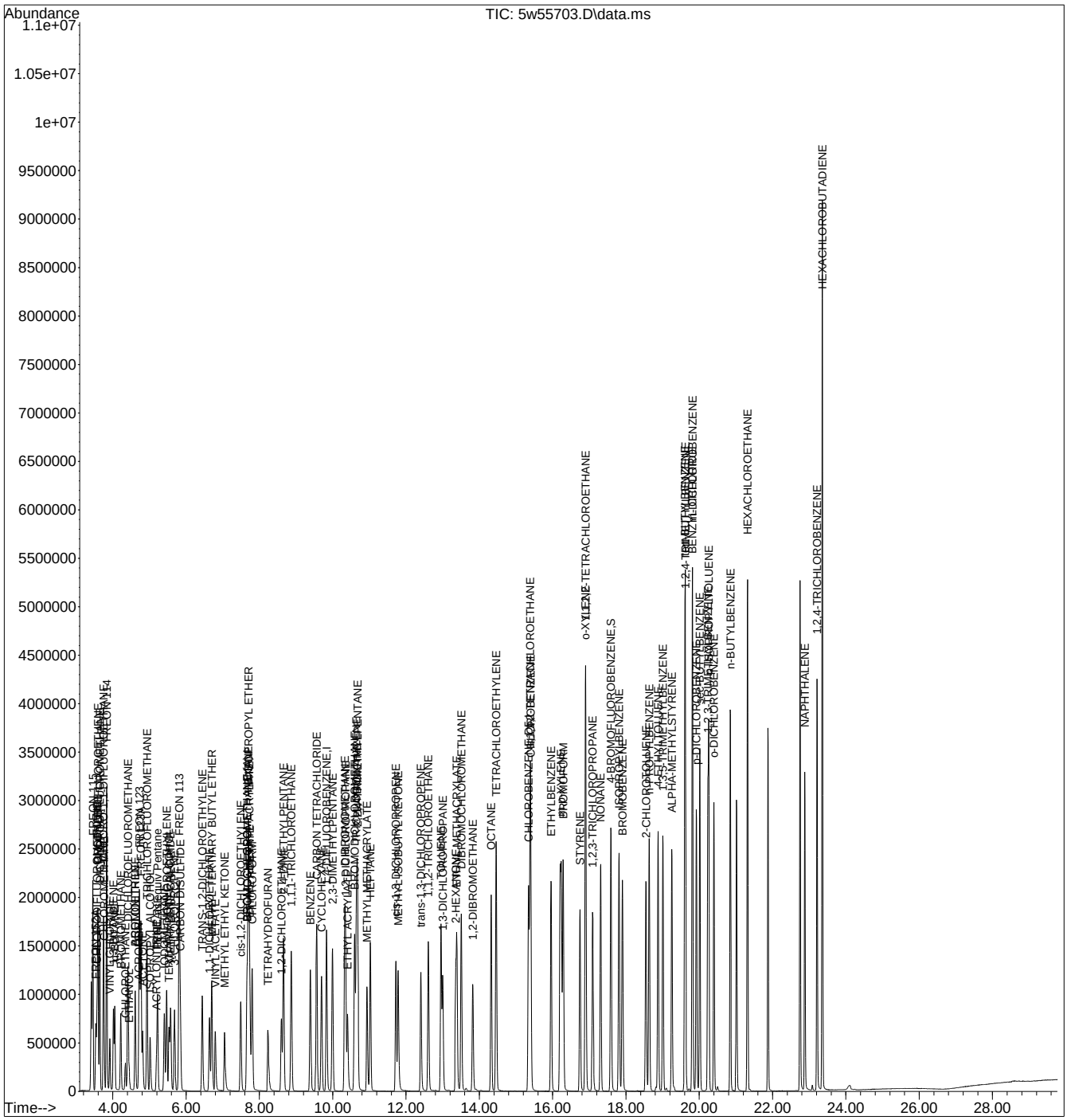
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55703.D
Acq On : 17 Dec 2024 10:35 pm
Operator : thomash
Sample : bsd Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 18:33:56 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-20-2024\V5w2135\
Data File : 5w55753.D
Acq On : 19 Dec 2024 5:20 pm
Operator : thomash
Sample : bs Inst : GCMS5W
Misc : MS88104,V5W2135,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 20 13:28:25 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	7.663	128	331289	10.00	PPBV	# 0.00
51) 1,4-DIFLUOROBENZENE	9.828	114	1550914	10.00	PPBV	0.00
70) CHLOROBENZENE-D5	15.341	82	964726	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	7.663	128	331289	10.00	PPBV	# 0.00
System Monitoring Compounds						
85) 4-BROMOFLUOROBENZENE	17.586	95	1072937	9.94	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 99.40%			
Target Compounds						Qvalue
2) FREON 115	3.460	119	573277	12.6416	PPBV	88
3) FREON 152A	3.539	65	306831	12.5184	PPBV	94
4) CHLORODIFLUOROMETHANE	3.576	67	169341	13.3243	PPBV	96
5) CHLOROTRIFLUOROETHENE	3.601	116	594745	10.3681	PPBV	97
6) DICHLORODIFLUOROMETHANE	3.650	85	1523453	12.5836	PPBV	99
7) PROPYLENE	3.595	41	390945	12.8213	PPBV	98
8) 1-CHLORO-1,1-DIFLUOROE...	3.754	65	1492563	12.0389	PPBV	98
9) FREON 114	3.839	85	1750967	11.7908	PPBV	96
10) CHLOROMETHANE	3.766	52	161585	10.3499	PPBV	98
11) VINYL CHLORIDE	3.925	62	577414	10.5028	PPBV	98
12) 1,3-BUTADIENE	4.023	54	371741	10.0758	PPBV #	82
13) n-BUTANE	4.059	43	756300	10.6860	PPBV	97
14) BROMOMETHANE	4.225	94	576574	9.9528	PPBV	99
15) CHLOROETHANE	4.347	64	253692	10.0982	PPBV	97
16) DICHLOROFLUOROMETHANE	4.414	67	1340979	10.7985	PPBV	98
17) ACETONITRILE	4.610	41	416298	10.1831	PPBV	97
18) ACROLEIN	4.708	56	192537	10.7853	PPBV	99
19) FREON 123	4.726	83	1367953	10.9452	PPBV	100
20) FREON 123A	4.769	117	729979	10.9844	PPBV	92
21) TRICHLOROFLUOROMETHANE	4.940	101	1417894	12.6733	PPBV	100
22) ISOPROPYL ALCOHOL	5.020	45	920681	12.9879	PPBV	98
23) ACETONE	4.812	58	209432	7.8381	PPBV #	71
24) PENTANE	5.228	42	481519	13.6738	PPBV	98
25) IODOMETHANE	5.411	142	1265240	13.5561	PPBV	97
26) 1,1-DICHLOROETHYLENE	5.473	96	418035	12.0554	PPBV	90
27) CARBON DISULFIDE	5.846	76	1329330	13.2504	PPBV	97
28) ETHANOL	4.445	45	256089	9.8571	PPBV	98
29) BROMOETHENE	4.616	106	540944	10.9614	PPBV	97
30) ACRYLONITRILE	5.197	52	287147	10.3453	PPBV	98
31) METHYLENE CHLORIDE	5.583	84	401893	11.5662	PPBV	93
32) 3-CHLOROPROPENE	5.687	76	216007	13.4816	PPBV #	86
33) FREON 113	5.809	151	769854	13.3535	PPBV	91
34) TRANS-1,2-DICHLOROETHY...	6.445	96	439462	11.9929	PPBV	94
35) TERTIARY BUTYL ALCOHOL	5.540	59	869981	13.0465	PPBV	96
36) METHYL TERTIARY BUTYL ...	6.702	73	1330725	14.1683	PPBV	97
37) TETRAHYDROFURAN	8.232	72	209944	14.6021	PPBV	91
38) HEXANE	7.693	57	696549	13.4190	PPBV	89
39) VINYL ACETATE	6.800	86	82324	13.8755	PPBV #	73
40) 1,1-DICHLOROETHANE	6.641	63	876441	12.8691	PPBV	98
41) METHYL ETHYL KETONE	7.045	72	221068	15.3837	PPBV #	77
42) cis-1,2-DICHLOROETHYLENE	7.492	96	465890	12.2529	PPBV	92
43) DIISOPROPYL ETHER	7.712	59	211689	13.4254	PPBV #	83
44) ETHYL ACETATE	7.742	61	160261	15.1179	PPBV #	38
45) METHYL ACRYLATE	7.724	55	898044	14.2313	PPBV	98
46) CHLOROFORM	7.803	83	1118770	13.1550	PPBV	98
47) 2,4-DIMETHYLPENTANE	8.654	57	791205	13.9375	PPBV	99
48) 1,1,1-TRICHLOROETHANE	8.868	97	1107670	12.8272	PPBV	97

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-20-2024\V5w2135\
Data File : 5w55753.D
Acq On : 19 Dec 2024 5:20 pm
Operator : thomash
Sample : bs Inst : GCMS5W
Misc : MS88104,V5W2135,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 20 13:28:25 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
49)	CARBON TETRACHLORIDE	9.559	117	1168902	12.8078	PPBV		99
50)	1,2-DICHLOROETHANE	8.599	62	795225	14.3761	PPBV		98
52)	BENZENE	9.388	78	1424224	12.6696	PPBV		99
53)	CYCLOHEXANE	9.694	84	555579	13.1570	PPBV		96
54)	2,3-DIMETHYLPENTANE	9.994	71	299876	13.1534	PPBV		99
55)	TRICHLOROETHYLENE	10.642	95	675394	11.3966	PPBV		93
56)	1,2-DICHLOROPROPANE	10.355	63	559040	11.7164	PPBV		98
57)	DIBROMOMETHANE	10.330	174	771088	13.2917	PPBV		87
58)	ETHYL ACRYLATE	10.404	55	1102604	14.6490	PPBV		99
59)	BROMODICHLOROMETHANE	10.599	83	1317511	12.7310	PPBV		100
60)	2,2,4-TRIMETHYLPENTANE	10.679	57	2207810	12.9334	PPBV		98
61)	1,4-DIOXANE	10.660	88	323180	12.3453	PPBV	#	74
62)	HEPTANE	11.021	43	847314	14.2110	PPBV		94
63)	METHYL METHACRYLATE	10.930	69	534672	14.3070	PPBV		93
64)	METHYL ISOBUTYL KETONE	11.786	58	432212	13.6054	PPBV	#	82
65)	cis-1,3-DICHLOROPROPENE	11.725	75	976729	13.4752	PPBV		92
66)	TOLUENE	12.955	92	934740	11.8883	PPBV		98
67)	1,3-DICHLOROPROPANE	13.004	76	874822	12.6469	PPBV	#	99
68)	trans-1,3-DICHLOROPROPENE	12.404	75	888253	13.3140	PPBV		93
69)	1,1,2-TRICHLOROETHANE	12.606	83	572175	12.0464	PPBV		96
71)	2-HEXANONE	13.352	58	623728	13.7053	PPBV		83
72)	ETHYL METHACRYLATE	13.383	69	906512	13.6042	PPBV		93
73)	TETRACHLOROETHYLENE	14.460	164	783443	12.4330	PPBV		84
74)	DIBROMOCHLOROMETHANE	13.505	129	1156334	11.2855	PPBV		99
75)	1,2-DIBROMOETHANE	13.817	107	979094	11.5238	PPBV		100
76)	OCTANE	14.325	43	1214425	14.3318	PPBV		93
77)	1,1,1,2-TETRACHLOROETHANE	15.383	131	743730	10.5127	PPBV		90
78)	CHLOROBENZENE	15.402	112	1277849	10.2892	PPBV		93
79)	ETHYLBENZENE	15.952	91	2189426	12.3098	PPBV		97
80)	m,p-XYLENE	16.228	106	1535925	22.7585	PPBV		92
81)	o-XYLENE	16.894	106	762874	11.6452	PPBV		93
82)	STYRENE	16.748	104	1171200	12.4647	PPBV		96
83)	NONANE	17.304	43	1259621	14.2444	PPBV		97
84)	BROMOFORM	16.283	173	1600768	15.2699	PPBV		100
86)	1,1,2,2-TETRACHLOROETHANE	16.901	83	1559873	11.8461	PPBV		100
87)	1,2,3-TRICHLOROPROPANE	17.090	75	1093191	11.4979	PPBV		94
88)	ISOPROPYLBENZENE	17.812	105	2200760	10.8567	PPBV		96
89)	BROMOBENZENE	17.904	77	1282880	11.2053	PPBV		98
90)	2-CHLOROTOLUENE	18.540	126	528621	10.4084	PPBV		99
91)	n-PROPYLBENZENE	18.632	120	564991	10.9943	PPBV		99
92)	4-ETHYLTOLUENE	18.877	105	2238489	11.9649	PPBV		98
93)	1,3,5-TRIMETHYLBENZENE	19.005	105	1871518	11.7052	PPBV		98
94)	ALPHA-METHYLSTYRENE	19.250	118	881797	10.2169	PPBV		97
95)	tert-BUTYLBENZENE	19.611	134	379733	10.8779	PPBV		95
96)	1,2,4-TRIMETHYLBENZENE	19.623	105	2055685	12.2541	PPBV		97
97)	m-DICHLOROBENZENE	19.813	146	1477258	11.1837	PPBV		98
98)	BENZYL CHLORIDE	19.806	91	2063632	11.4609	PPBV		97
99)	p-DICHLOROBENZENE	19.917	146	1427080	11.5719	PPBV		98
100)	sec-BUTYLBENZENE	20.014	134	452061	10.8538	PPBV	#	87
101)	1,2,3-TRIMETHYLBENZENE	20.235	105	1979676	11.6194	PPBV	#	98
102)	p-ISOPROPYLTOLUENE	20.259	134	527319	10.7725	PPBV		95
103)	o-DICHLOROBENZENE	20.400	146	1332025	11.1087	PPBV		98
104)	n-BUTYLBENZENE	20.853	134	505591	11.2282	PPBV	#	77
105)	HEXACHLOROETHANE	21.311	117	1029609	12.2664	PPBV	#	82
106)	HEXACHLOROBUTADIENE	23.361	225	1817180	16.1085	PPBV		99
107)	1,2,4-TRICHLOROBENZENE	23.214	180	1514807	14.1783	PPBV		96
108)	NAPHTHALENE	22.878	128	2501215	10.6653	PPBV		100
110)	TVHC as equiv Pentane	5.222	TIC	3111589	11.9977	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-20-2024\V5w2135\
Data File : 5w55753.D
Acq On : 19 Dec 2024 5:20 pm
Operator : thomash
Sample : bs Inst : GCMS5W
Misc : MS88104,V5W2135,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 20 13:28:25 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

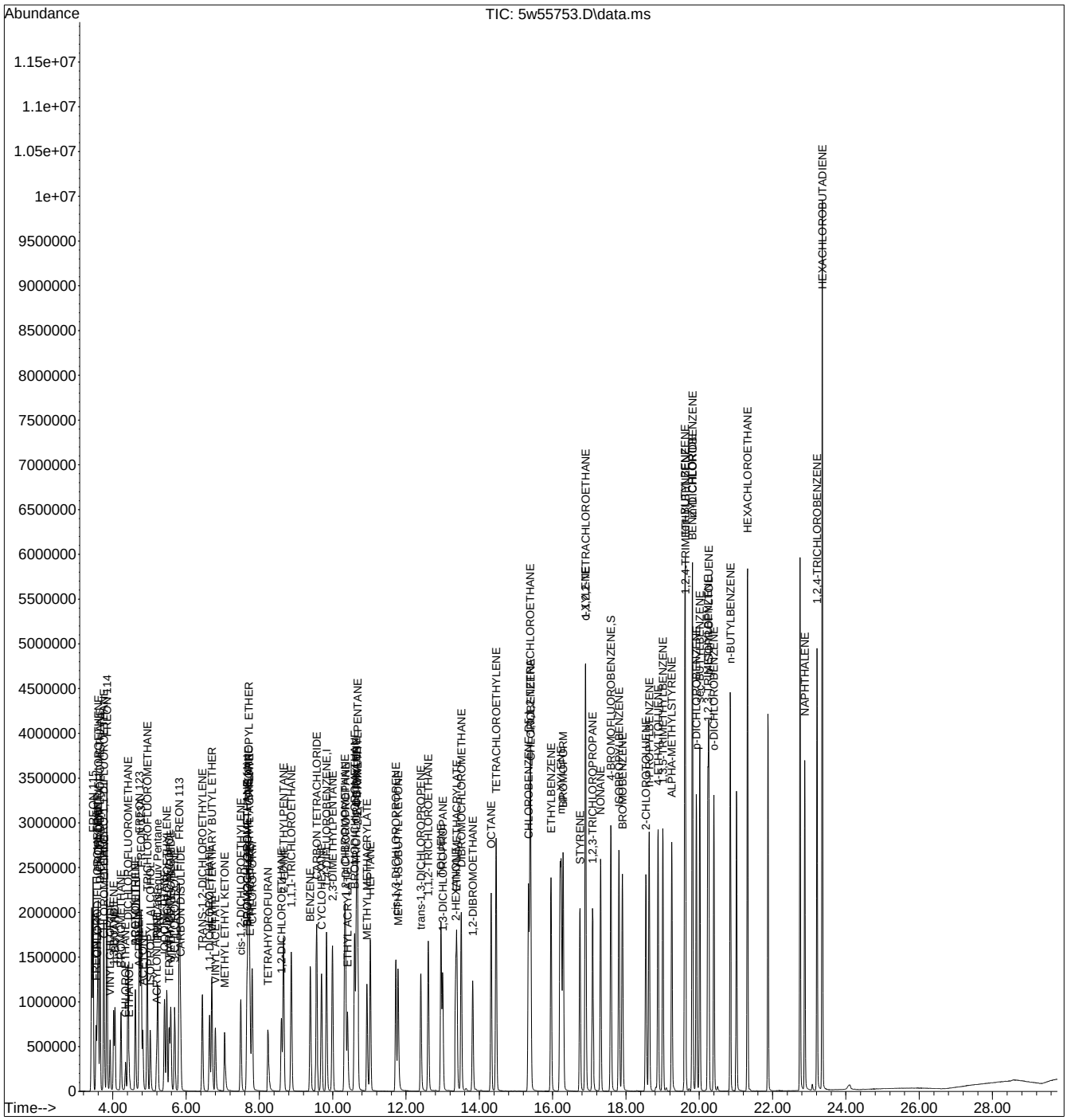
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-20-2024\V5w2135\
Data File : 5w55753.D
Acq On : 19 Dec 2024 5:20 pm
Operator : thomash
Sample : bs Inst : GCMS5W
Misc : MS88104,V5W2135,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 20 13:28:25 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 12/20/24 13:22

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-20-2024\V5w2135\
Data File : 5w55754.D
Acq On : 19 Dec 2024 6:00 pm
Operator : thomash
Sample : bsd Inst : GCMS5W
Misc : MS88104,V5W2135,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 20 16:36:12 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.669	128	334718	10.00	PPBV	#	0.00
51) 1,4-DIFLUOROBENZENE	9.835	114	1578242	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	15.341	82	998402	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.669	128	334718	10.00	PPBV	#	0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	17.592	95	1089374	9.75	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 97.50%				
Target Compounds							Qvalue
2) FREON 115	3.466	119	596554	13.0201	PPBV		87
3) FREON 152A	3.546	65	317020	12.8016	PPBV		94
4) CHLORODIFLUOROMETHANE	3.582	67	177041	13.7874	PPBV		99
5) CHLOROTRIFLUOROETHENE	3.607	116	610541	10.5344	PPBV		97
6) DICHLORODIFLUOROMETHANE	3.656	85	1543474	12.6183	PPBV		99
7) PROPYLENE	3.601	41	406637	13.1993	PPBV		99
8) 1-CHLORO-1,1-DIFLUOROE...	3.760	65	1532347	12.2332	PPBV		97
9) FREON 114	3.846	85	1781524	11.8736	PPBV		95
10) CHLOROMETHANE	3.772	52	169609	10.7525	PPBV		98
11) VINYL CHLORIDE	3.931	62	594345	10.7001	PPBV		99
12) 1,3-BUTADIENE	4.029	54	390048	10.4637	PPBV	#	83
13) n-BUTANE	4.066	43	800595	11.1959	PPBV		98
14) BROMOMETHANE	4.231	94	589799	10.0768	PPBV		99
15) CHLOROETHANE	4.353	64	261015	10.2832	PPBV		97
16) DICHLOROFLUOROMETHANE	4.421	67	1369661	10.9165	PPBV		98
17) ACETONITRILE	4.622	41	438216	10.6094	PPBV		98
18) ACROLEIN	4.714	56	197915	10.9730	PPBV		99
19) FREON 123	4.733	83	1380787	10.9347	PPBV		99
20) FREON 123A	4.775	117	729158	10.8597	PPBV		88
21) TRICHLOROFLUOROMETHANE	4.947	101	1424396	12.6010	PPBV		99
22) ISOPROPYL ALCOHOL	5.026	45	933297	13.0310	PPBV		97
23) ACETONE	4.824	58	222539	8.2433	PPBV	#	77
24) PENTANE	5.234	42	494707	13.9044	PPBV		97
25) IODOMETHANE	5.418	142	1279688	13.5704	PPBV		98
26) 1,1-DICHLOROETHYLENE	5.485	96	429965	12.2724	PPBV		91
27) CARBON DISULFIDE	5.852	76	1346599	13.2850	PPBV		96
28) ETHANOL	4.457	45	268020	10.2107	PPBV		98
29) BROMOETHENE	4.622	106	540391	10.8380	PPBV		97
30) ACRYLONITRILE	5.204	52	290405	10.3555	PPBV		99
31) METHYLENE CHLORIDE	5.589	84	409880	11.6752	PPBV		93
32) 3-CHLOROPROPENE	5.693	76	217645	13.4446	PPBV	#	83
33) FREON 113	5.822	151	769196	13.2054	PPBV		93
34) TRANS-1,2-DICHLOROETHY...	6.452	96	440997	11.9115	PPBV		92
35) TERTIARY BUTYL ALCOHOL	5.546	59	886946	13.1647	PPBV		95
36) METHYL TERTIARY BUTYL ...	6.709	73	1356308	14.2927	PPBV		97
37) TETRAHYDROFURAN	8.238	72	216813	14.9253	PPBV		90
38) HEXANE	7.706	57	713292	13.6008	PPBV		89
39) VINYL ACETATE	6.806	86	82555	13.7719	PPBV	#	71
40) 1,1-DICHLOROETHANE	6.647	63	894720	13.0030	PPBV		98
41) METHYL ETHYL KETONE	7.057	72	225946	15.5620	PPBV	#	80
42) cis-1,2-DICHLOROETHYLENE	7.498	96	479874	12.4914	PPBV		93
43) DIISOPROPYL ETHER	7.712	59	216772	13.6070	PPBV	#	80
44) ETHYL ACETATE	7.749	61	162663	15.1873	PPBV	#	97
45) METHYL ACRYLATE	7.730	55	928736	14.5669	PPBV		98
46) CHLOROFORM	7.810	83	1150700	13.3919	PPBV		98
47) 2,4-DIMETHYLPENTANE	8.660	57	815133	14.2120	PPBV		99
48) 1,1,1-TRICHLOROETHANE	8.874	97	1141944	13.0887	PPBV		97

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-20-2024\V5w2135\
Data File : 5w55754.D
Acq On : 19 Dec 2024 6:00 pm
Operator : thomash
Sample : bsd Inst : GCMS5W
Misc : MS88104,V5W2135,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 20 16:36:12 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
49)	CARBON TETRACHLORIDE	9.566	117	1196295	12.9737	PPBV		99
50)	1,2-DICHLOROETHANE	8.605	62	820332	14.6780	PPBV		98
52)	BENZENE	9.394	78	1461963	12.7801	PPBV		99
53)	CYCLOHEXANE	9.700	84	563154	13.1055	PPBV		96
54)	2,3-DIMETHYLPENTANE	10.000	71	310279	13.3740	PPBV		100
55)	TRICHLOROETHYLENE	10.648	95	695190	11.5275	PPBV		93
56)	1,2-DICHLOROPROPANE	10.355	63	573976	11.8211	PPBV		97
57)	DIBROMOMETHANE	10.330	174	781663	13.2407	PPBV		87
58)	ETHYL ACRYLATE	10.410	55	1133939	14.8044	PPBV		99
59)	BROMODICHLOROMETHANE	10.599	83	1355094	12.8675	PPBV		100
60)	2,2,4-TRIMETHYLPENTANE	10.685	57	2272009	13.0790	PPBV		98
61)	1,4-DIOXANE	10.667	88	328920	12.3470	PPBV	#	81
62)	HEPTANE	11.028	43	875636	14.4317	PPBV		94
63)	METHYL METHACRYLATE	10.936	69	547111	14.3864	PPBV		92
64)	METHYL ISOBUTYL KETONE	11.786	58	444776	13.7585	PPBV	#	82
65)	cis-1,3-DICHLOROPROPENE	11.725	75	1004290	13.6155	PPBV		92
66)	TOLUENE	12.961	92	959573	11.9928	PPBV		99
67)	1,3-DICHLOROPROPANE	13.004	76	897827	12.7547	PPBV	#	99
68)	trans-1,3-DICHLOROPROPENE	12.404	75	917027	13.5073	PPBV		93
69)	1,1,2-TRICHLOROETHANE	12.612	83	589405	12.1943	PPBV		96
71)	2-HEXANONE	13.359	58	643496	13.6628	PPBV		83
72)	ETHYL METHACRYLATE	13.389	69	945921	13.7168	PPBV		93
73)	TETRACHLOROETHYLENE	14.466	164	788820	12.0961	PPBV		84
74)	DIBROMOCHLOROMETHANE	13.505	129	1198818	11.3055	PPBV		100
75)	1,2-DIBROMOETHANE	13.823	107	1017513	11.5720	PPBV		99
76)	OCTANE	14.325	43	1266830	14.4460	PPBV		93
77)	1,1,1,2-TETRACHLOROETHANE	15.384	131	765756	10.4590	PPBV		90
78)	CHLOROBENZENE	15.402	112	1322389	10.2887	PPBV		93
79)	ETHYLBENZENE	15.959	91	2252022	12.2346	PPBV		97
80)	m,p-XYLENE	16.234	106	1580640	22.6311	PPBV		94
81)	o-XYLENE	16.901	106	777170	11.4633	PPBV		92
82)	STYRENE	16.748	104	1207110	12.4136	PPBV		96
83)	NONANE	17.311	43	1308298	14.2958	PPBV		96
84)	BROMOFORM	16.289	173	1650228	15.2107	PPBV		100
86)	1,1,2,2-TETRACHLOROETHANE	16.901	83	1606773	11.7907	PPBV		99
87)	1,2,3-TRICHLOROPROPANE	17.090	75	1133738	11.5221	PPBV		93
88)	ISOPROPYLBENZENE	17.812	105	2244223	10.6977	PPBV		96
89)	BROMOBENZENE	17.904	77	1325235	11.1848	PPBV		99
90)	2-CHLOROTOLUENE	18.546	126	537601	10.2281	PPBV		100
91)	n-PROPYLBENZENE	18.632	120	580652	10.9179	PPBV		99
92)	4-ETHYLTOLUENE	18.877	105	2326144	12.0141	PPBV		98
93)	1,3,5-TRIMETHYLBENZENE	19.005	105	1916779	11.5839	PPBV		98
94)	ALPHA-METHYLSTYRENE	19.250	118	907572	10.1609	PPBV		97
95)	tert-BUTYLBENZENE	19.611	134	389822	10.7903	PPBV		95
96)	1,2,4-TRIMETHYLBENZENE	19.623	105	2101978	12.1074	PPBV		97
97)	m-DICHLOROBENZENE	19.813	146	1518489	11.1081	PPBV		98
98)	BENZYL CHLORIDE	19.807	91	2117221	11.3619	PPBV		96
99)	p-DICHLOROBENZENE	19.917	146	1439305	11.2773	PPBV		99
100)	sec-BUTYLBENZENE	20.015	134	456269	10.5854	PPBV	#	86
101)	1,2,3-TRIMETHYLBENZENE	20.235	105	2022221	11.4688	PPBV	#	98
102)	p-ISOPROPYLTOLUENE	20.259	134	537947	10.6190	PPBV		95
103)	o-DICHLOROBENZENE	20.400	146	1343262	10.8246	PPBV		99
104)	n-BUTYLBENZENE	20.853	134	512086m	10.9888	PPBV		
105)	HEXACHLOROETHANE	21.318	117	1040774	11.9812	PPBV	#	82
106)	HEXACHLOROBUTADIENE	23.361	225	1833419	15.7043	PPBV		99
107)	1,2,4-TRICHLOROBENZENE	23.214	180	1494212	13.5138	PPBV		96
108)	NAPHTHALENE	22.878	128	2490761	10.2625	PPBV		100
110)	TVHC as equiv Pentane	5.234	TIC	3173065	12.1094	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-20-2024\V5w2135\
Data File : 5w55754.D
Acq On : 19 Dec 2024 6:00 pm
Operator : thomash
Sample : bsd Inst : GCMS5W
Misc : MS88104,V5W2135,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 20 16:36:12 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

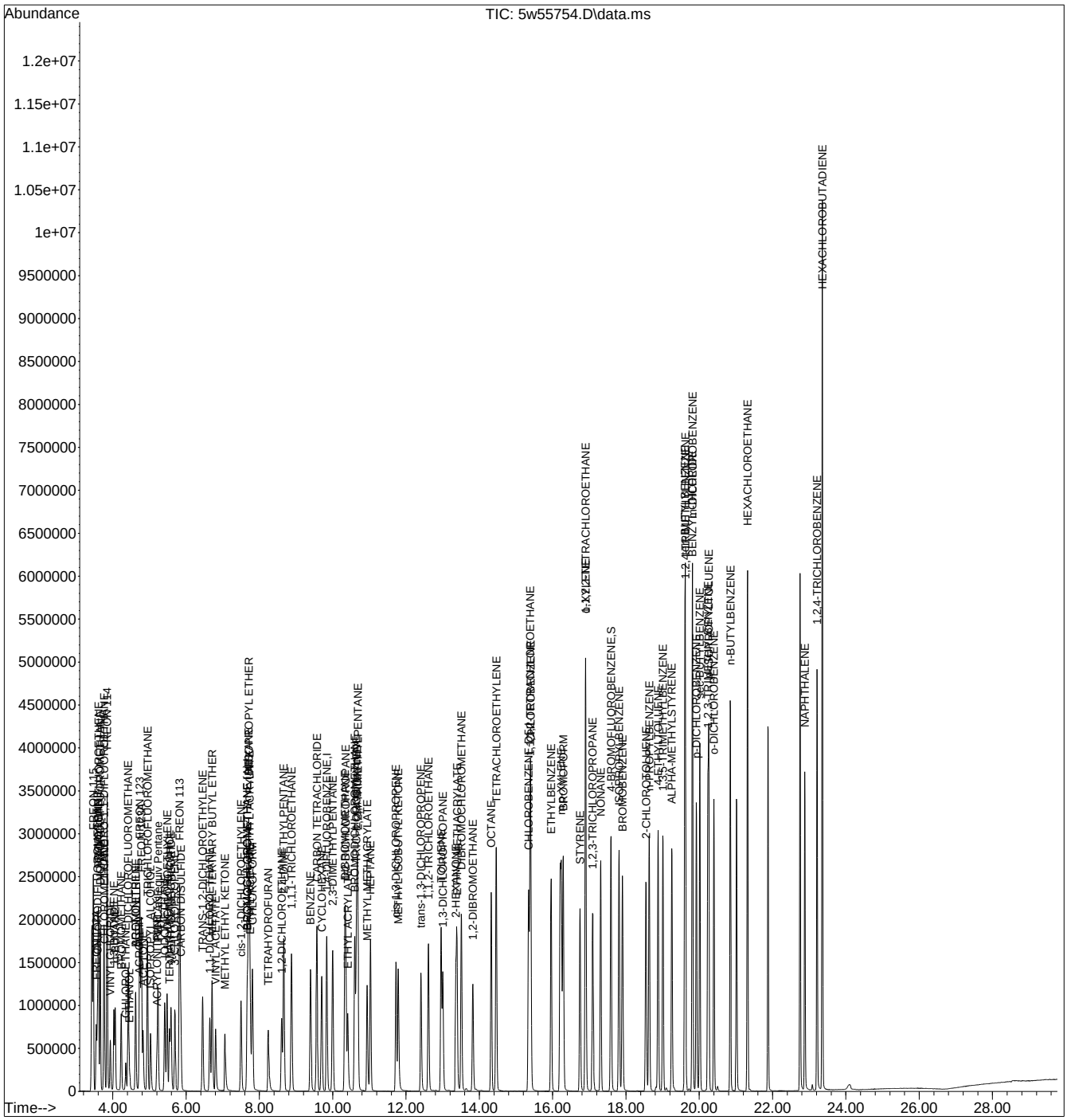
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-20-2024\V5w2135\
Data File : 5w55754.D
Acq On : 19 Dec 2024 6:00 pm
Operator : thomash
Sample : bsd Inst : GCMS5W
Misc : MS88104,V5W2135,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 20 16:36:12 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Manual Integration Approval Summary

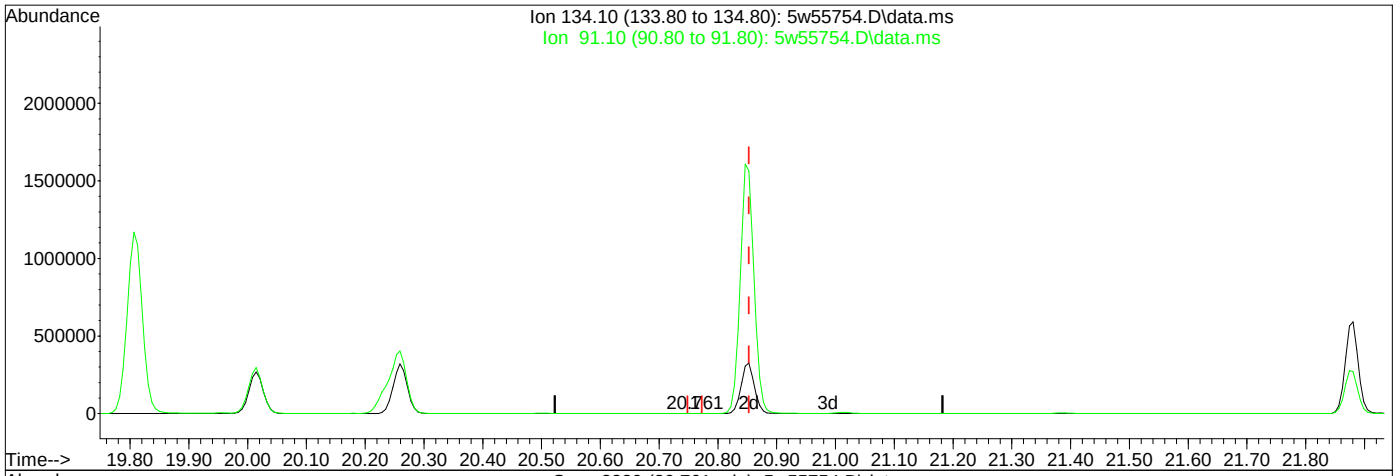
Sample Number: V5W2135-BSD
Lab FileID: 5W55754.D
Injection Time: 12/19/24 18:00
Method: TO-15
Analyst approved: 12/20/24 11:54 Geralyn Gomez
Supervisor approved: 12/20/24 13:22 Kanya Veerawat

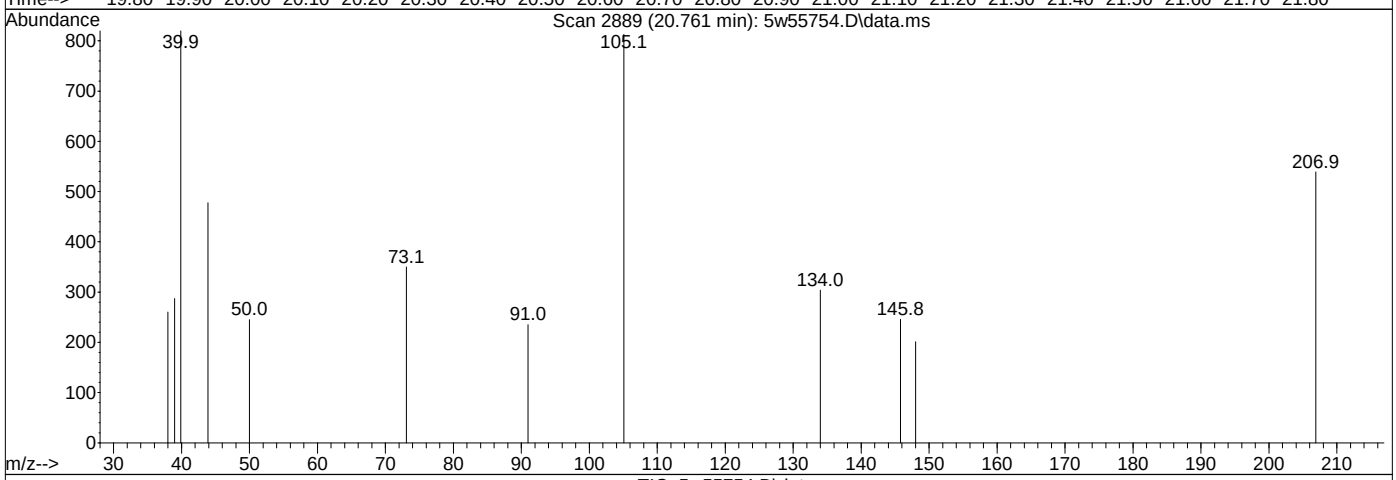
Parameter	CAS	Sig#	R.T. (min.)	Reason
n-Butylbenzene	104-51-8		20.85	Missed peak

Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\geralyng\12-20-2024\V5w2135\
Data File : 5w55754.D
Acq On : 19 Dec 2024 6:00 pm
Operator : thomash
Sample : bsd Inst : GCMS5W
Misc : MS88104,V5W2135,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 20 13:28:56 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration





TIC: 5w55754.D\data.ms

(104) n-BUTYLBENZENE

20.761min (-0.092) 0.00PPBV

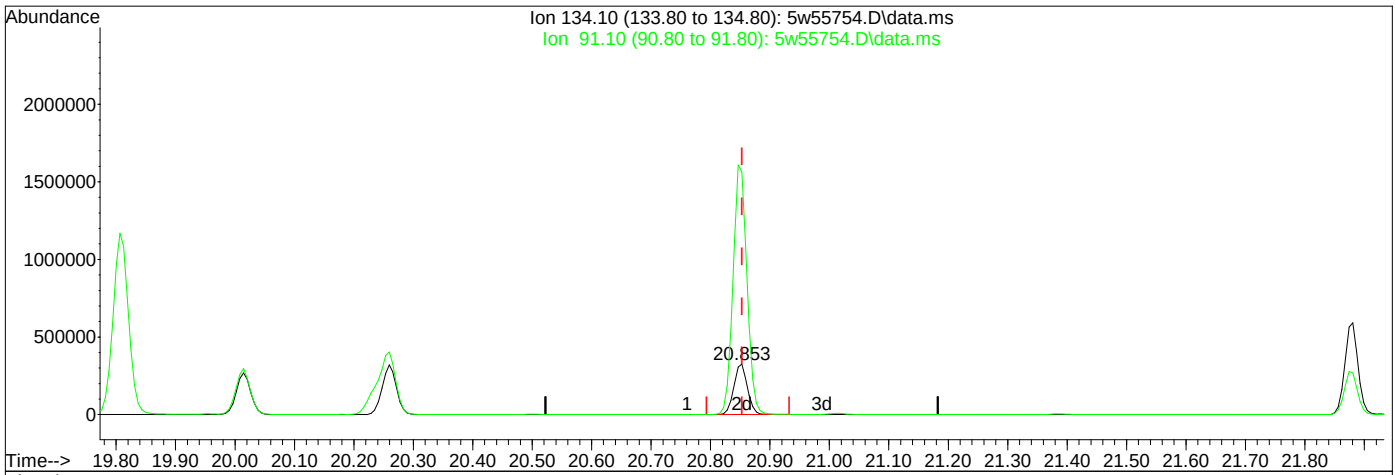
response 112

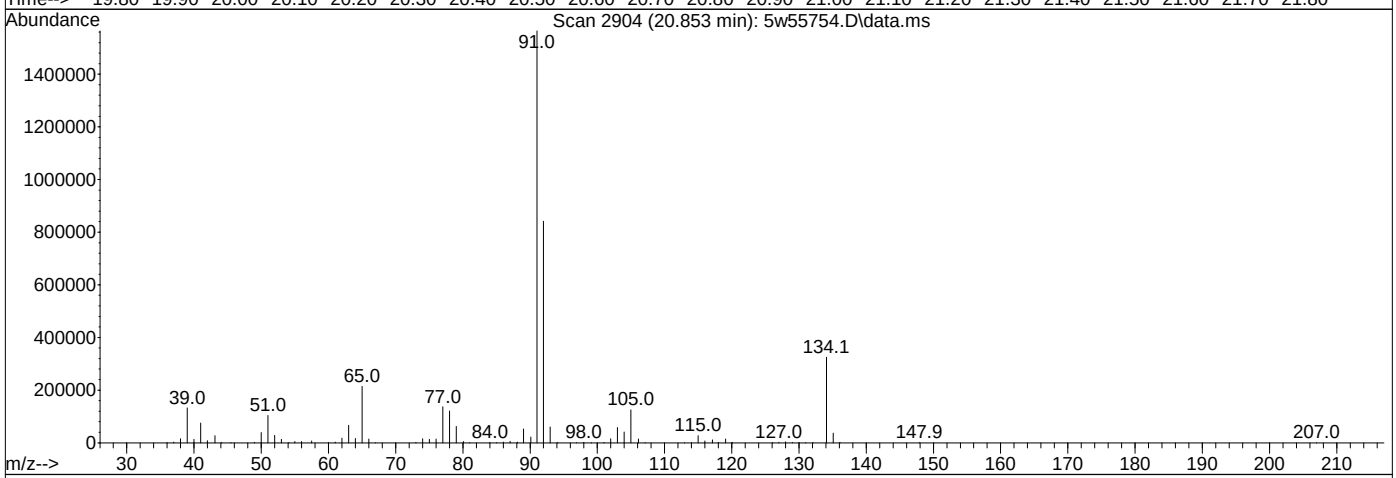
Ion	Exp%	Act%
134.10	100	100
91.10	447.00	464.29
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\geralyng\12-20-2024\V5w2135\
Data File : 5w55754.D
Acq On : 19 Dec 2024 6:00 pm
Operator : thomash
Sample : bsd Inst : GCMS5W
Misc : MS88104,V5W2135,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 20 13:28:56 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration





TIC: 5w55754.D\data.ms

(104) n-BUTYLBENZENE

20.853min (+0.000) 10.99PPBV m

response 512086

Ion	Exp%	Act%
134.10	100	100
91.10	447.00	0.10#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55820.D
Acq On : 23 Dec 2024 10:07 am
Operator : thomash
Sample : bs Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 24 04:40:30 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.663	128	261510	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.828	114	1220164	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	15.340	82	739045	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.663	128	261510	10.00	PPBV	#	0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	17.586	95	836030	10.11	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 101.10%				
Target Compounds							Qvalue
2) FREON 115	3.460	119	435542	12.1670	PPBV		92
3) FREON 152A	3.546	65	206251	10.6601	PPBV		96
4) CHLORODIFLUOROMETHANE	3.576	67	115623	11.5251	PPBV		98
5) CHLOROTRIFLUOROETHENE	3.607	116	448626	9.9077	PPBV		99
6) DICHLORODIFLUOROMETHANE	3.650	85	1068770	11.1835	PPBV		99
7) PROPYLENE	3.601	41	255077	10.5976	PPBV		99
8) 1-CHLORO-1,1-DIFLUOROE...	3.754	65	1110212	11.3443	PPBV		99
9) FREON 114	3.839	85	1395849	11.9075	PPBV		97
10) CHLOROMETHANE	3.772	52	121755	9.8796	PPBV	#	75
11) VINYL CHLORIDE	3.931	62	474344	10.9303	PPBV		99
12) 1,3-BUTADIENE	4.029	54	314422	10.7962	PPBV		90
13) n-BUTANE	4.059	43	614499	10.9991	PPBV		98
14) BROMOMETHANE	4.225	94	473815	10.3614	PPBV		99
15) CHLOROETHANE	4.353	64	209045	10.5413	PPBV		99
16) DICHLOROFLUOROMETHANE	4.414	67	1075661	10.9733	PPBV		99
17) ACETONITRILE	4.616	41	337949	10.4724	PPBV		99
18) ACROLEIN	4.708	56	158913	11.2771	PPBV		99
19) FREON 123	4.726	83	1099754	11.1472	PPBV		99
20) FREON 123A	4.775	117	583898	11.1307	PPBV		92
21) TRICHLOROFLUOROMETHANE	4.940	101	979961	11.0962	PPBV		100
22) ISOPROPYL ALCOHOL	5.026	45	584169	10.4397	PPBV		99
23) ACETONE	4.818	58	174923	8.2934	PPBV		93
24) PENTANE	5.228	42	305706	10.9976	PPBV		98
25) IODOMETHANE	5.411	142	929996	12.6229	PPBV		94
26) 1,1-DICHLOROETHYLENE	5.479	96	295468	10.7944	PPBV		99
27) CARBON DISULFIDE	5.846	76	900076	11.3656	PPBV		97
28) ETHANOL	4.451	45	219548	10.7055	PPBV		98
29) BROMOETHENE	4.616	106	436004	11.1924	PPBV		99
30) ACRYLONITRILE	5.197	52	184650	8.4277	PPBV		99
31) METHYLENE CHLORIDE	5.583	84	280229	10.2167	PPBV		99
32) 3-CHLOROPROPENE	5.687	76	146539	11.5863	PPBV		96
33) FREON 113	5.815	151	584172	12.8365	PPBV		84
34) TRANS-1,2-DICHLOROETHY...	6.445	96	304959	10.5430	PPBV		100
35) TERTIARY BUTYL ALCOHOL	5.540	59	575995	10.9427	PPBV		97
36) METHYL TERTIARY BUTYL ...	6.702	73	907918	12.2460	PPBV		98
37) TETRAHYDROFURAN	8.232	72	145513	12.8213	PPBV		99
38) HEXANE	7.699	57	454860	11.1011	PPBV		90
39) VINYL ACETATE	6.800	86	55543	11.8596	PPBV		95
40) 1,1-DICHLOROETHANE	6.641	63	591602	11.0046	PPBV		99
41) METHYL ETHYL KETONE	7.051	72	152312	13.4272	PPBV		96
42) cis-1,2-DICHLOROETHYLENE	7.491	96	329425	10.9757	PPBV		99
43) DIISOPROPYL ETHER	7.706	59	142775	11.4710	PPBV		95
44) ETHYL ACETATE	7.742	61	102628	12.2645	PPBV	#	38
45) METHYL ACRYLATE	7.724	55	584502	11.7341	PPBV		99
46) CHLOROFORM	7.803	83	767097	11.4267	PPBV		99
47) 2,4-DIMETHYLPENTANE	8.654	57	522441	11.6588	PPBV		98
48) 1,1,1-TRICHLOROETHANE	8.868	97	768664	11.2766	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55820.D
Acq On : 23 Dec 2024 10:07 am
Operator : thomash
Sample : bs Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 24 04:40:30 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
49)	CARBON TETRACHLORIDE	9.559	117	826856	11.4774	PPBV		99
50)	1,2-DICHLOROETHANE	8.599	62	528775	12.1099	PPBV		98
52)	BENZENE	9.394	78	999972	11.3069	PPBV		99
53)	CYCLOHEXANE	9.694	84	395809	11.9143	PPBV		96
54)	2,3-DIMETHYLPENTANE	9.994	71	209669	11.6896	PPBV		94
55)	TRICHLOROETHYLENE	10.642	95	479539	10.2852	PPBV		96
56)	1,2-DICHLOROPROPANE	10.355	63	379577	10.1116	PPBV		97
57)	DIBROMOMETHANE	10.324	174	613084	13.4328	PPBV		78
58)	ETHYL ACRYLATE	10.403	55	713058	12.0415	PPBV		100
59)	BROMODICHLOROMETHANE	10.599	83	902814	11.0886	PPBV		99
60)	2,2,4-TRIMETHYLPENTANE	10.679	57	1456334	10.8438	PPBV		98
61)	1,4-DIOXANE	10.660	88	226125	10.9793	PPBV	#	75
62)	HEPTANE	11.021	43	559547	11.9285	PPBV		97
63)	METHYL METHACRYLATE	10.930	69	370058	12.5864	PPBV		98
64)	METHYL ISOBUTYL KETONE	11.786	58	295122	11.8083	PPBV		91
65)	cis-1,3-DICHLOROPROPENE	11.725	75	683916	11.9931	PPBV		95
66)	TOLUENE	12.955	92	684307	11.0624	PPBV		99
67)	1,3-DICHLOROPROPANE	12.997	76	618417	11.3636	PPBV	#	99
68)	trans-1,3-DICHLOROPROPENE	12.398	75	622875	11.8671	PPBV		97
69)	1,1,2-TRICHLOROETHANE	12.606	83	407784	10.9126	PPBV		97
71)	2-HEXANONE	13.352	58	429260	12.3125	PPBV		91
72)	ETHYL METHACRYLATE	13.383	69	646480	12.6645	PPBV		98
73)	TETRACHLOROETHYLENE	14.460	164	624535	12.9377	PPBV		80
74)	DIBROMOCHLOROMETHANE	13.505	129	853319	10.8713	PPBV		100
75)	1,2-DIBROMOETHANE	13.817	107	711606	10.9331	PPBV		100
76)	OCTANE	14.319	43	816104	12.5722	PPBV		96
77)	1,1,1,2-TETRACHLOROETHANE	15.383	131	546604	10.0857	PPBV		94
78)	CHLOROBENZENE	15.402	112	943953	9.9217	PPBV		96
79)	ETHYLBENZENE	15.952	91	1578139	11.5824	PPBV		99
80)	m,p-XYLENE	16.228	106	1160738	22.4513	PPBV		97
81)	o-XYLENE	16.894	106	570900	11.3759	PPBV		97
82)	STYRENE	16.748	104	881254	12.2430	PPBV		98
83)	NONANE	17.304	43	855635	12.6307	PPBV		100
84)	BROMOFORM	16.283	173	1244331	15.4944	PPBV		98
86)	1,1,2,2-TETRACHLOROETHANE	16.900	83	1091266	10.8180	PPBV		99
87)	1,2,3-TRICHLOROPROPANE	17.090	75	772534	10.6065	PPBV		96
88)	ISOPROPYLBENZENE	17.806	105	1663712	10.7137	PPBV		98
89)	BROMOBENZENE	17.898	77	908292	10.3561	PPBV		87
90)	2-CHLOROTOLUENE	18.540	126	404822	10.4048	PPBV		99
91)	n-PROPYLBENZENE	18.632	120	438991	11.1510	PPBV		99
92)	4-ETHYLTOLUENE	18.870	105	1699251	11.8562	PPBV		99
93)	1,3,5-TRIMETHYLBENZENE	19.005	105	1427244	11.6524	PPBV		99
94)	ALPHA-METHYLSTYRENE	19.250	118	689616	10.4302	PPBV		98
95)	tert-BUTYLBENZENE	19.611	134	310532	11.6120	PPBV		96
96)	1,2,4-TRIMETHYLBENZENE	19.623	105	1559354	12.1339	PPBV		100
97)	m-DICHLOROBENZENE	19.813	146	1162992	11.4932	PPBV		96
98)	BENZYL CHLORIDE	19.806	91	1518557	11.0091	PPBV		98
99)	p-DICHLOROBENZENE	19.917	146	1130128	11.9623	PPBV		96
100)	sec-BUTYLBENZENE	20.014	134	371490	11.6430	PPBV		99
101)	1,2,3-TRIMETHYLBENZENE	20.229	105	1526287	11.6939	PPBV	#	99
102)	p-ISOPROPYLTOLUENE	20.259	134	432133	11.5238	PPBV		97
103)	o-DICHLOROBENZENE	20.400	146	1057891	11.5166	PPBV		96
104)	n-BUTYLBENZENE	20.846	134	421124	12.2083	PPBV		96
105)	HEXACHLOROETHANE	21.311	117	797963	12.4097	PPBV	#	75
106)	HEXACHLOROBUTADIENE	23.251	225	1735482	20.0822	PPBV		99
107)	1,2,4-TRICHLOROBENZENE	23.116	180	1444730	17.6517	PPBV		96
108)	NAPHTHALENE	22.798	128	2169419	12.0753	PPBV		100
110)	TVHC as equiv Pentane	5.228	TIC	1999126	9.7650	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55820.D
Acq On : 23 Dec 2024 10:07 am
Operator : thomash
Sample : bs Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 24 04:40:30 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

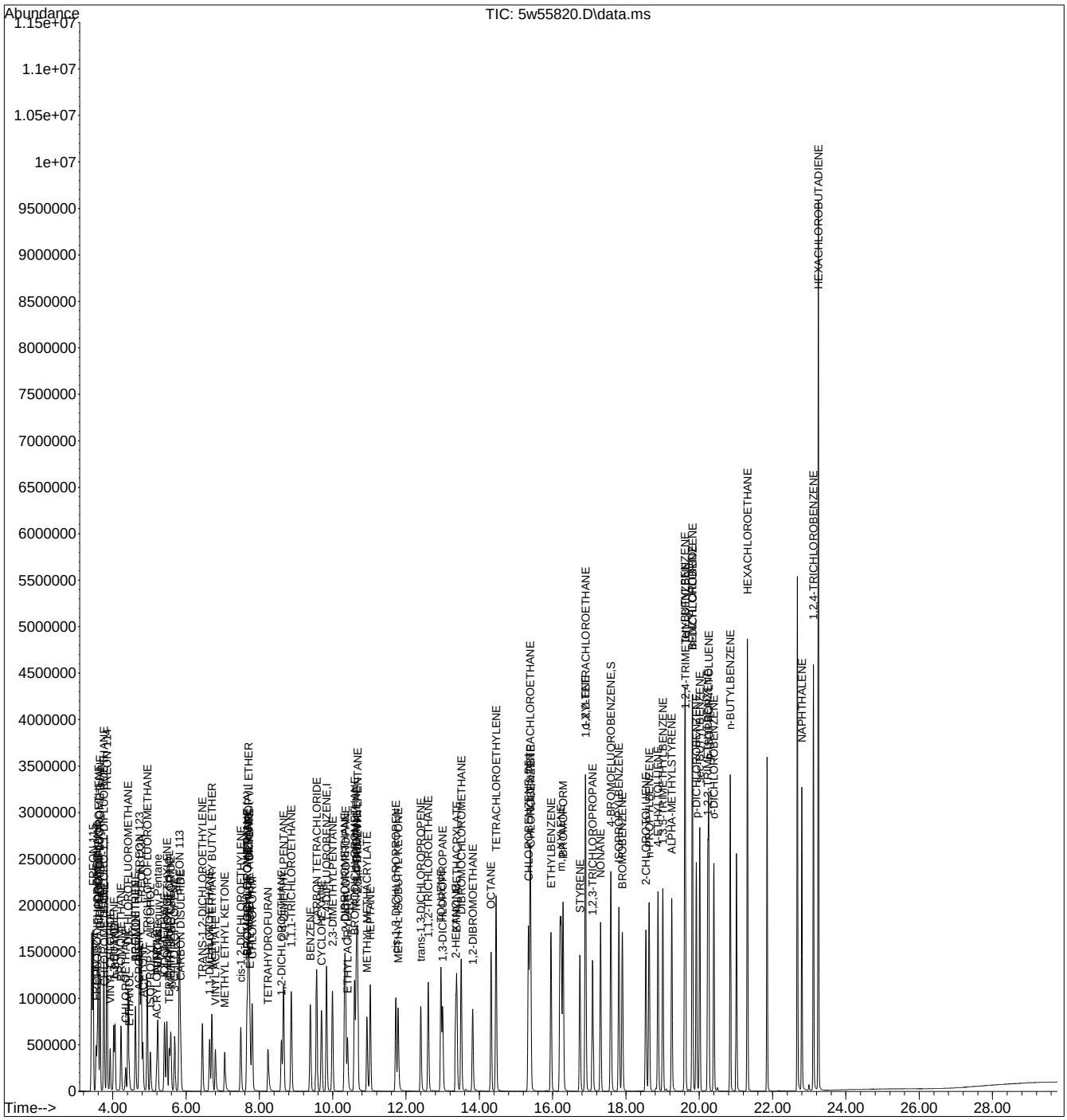
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55820.D
Acq On : 23 Dec 2024 10:07 am
Operator : thomash
Sample : bs Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 24 04:40:30 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55821.D
Acq On : 23 Dec 2024 11:17 am
Operator : thomash
Sample : bsd Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 24 04:40:56 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.663	128	260595	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.829	114	1218483	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	15.341	82	736456	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.663	128	260595	10.00	PPBV	#	0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	17.586	95	821814	9.97	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 99.70%				
Target Compounds							Qvalue
2) FREON 115	3.466	119	449247	12.5939	PPBV		93
3) FREON 152A	3.546	65	217658	11.2892	PPBV		97
4) CHLORODIFLUOROMETHANE	3.576	67	120188	12.0222	PPBV		100
5) CHLOROTRIFLUOROETHENE	3.607	116	469888	10.4137	PPBV		99
6) DICHLORODIFLUOROMETHANE	3.656	85	1112978	11.6870	PPBV		100
7) PROPYLENE	3.601	41	264221	11.0160	PPBV		98
8) 1-CHLORO-1,1-DIFLUOROE...	3.754	65	1147260	11.7641	PPBV		99
9) FREON 114	3.839	85	1434228	12.2779	PPBV		97
10) CHLOROMETHANE	3.772	52	128640	10.4749	PPBV	#	85
11) VINYL CHLORIDE	3.931	62	488468	11.2953	PPBV		99
12) 1,3-BUTADIENE	4.029	54	323570	11.1494	PPBV		89
13) n-BUTANE	4.066	43	634013	11.3883	PPBV		99
14) BROMOMETHANE	4.231	94	482246	10.5828	PPBV		99
15) CHLOROETHANE	4.353	64	214284	10.8434	PPBV		98
16) DICHLOROFLUOROMETHANE	4.421	67	1100649	11.2676	PPBV		99
17) ACETONITRILE	4.616	41	348841	10.8478	PPBV		99
18) ACROLEIN	4.714	56	160344	11.4186	PPBV		98
19) FREON 123	4.733	83	1129119	11.4850	PPBV		99
20) FREON 123A	4.775	117	597237	11.4250	PPBV		91
21) TRICHLOROFLUOROMETHANE	4.941	101	1007977	11.4535	PPBV		100
22) ISOPROPYL ALCOHOL	5.026	45	602862	10.8116	PPBV		98
23) ACETONE	4.818	58	177842	8.4614	PPBV		89
24) PENTANE	5.228	42	318079	11.4829	PPBV		97
25) IODOMETHANE	5.418	142	940571	12.8113	PPBV		95
26) 1,1-DICHLOROETHYLENE	5.479	96	301140	11.0402	PPBV		100
27) CARBON DISULFIDE	5.846	76	918708	11.6416	PPBV		97
28) ETHANOL	4.451	45	231068	11.3068	PPBV		99
29) BROMOETHENE	4.616	106	443163	11.4161	PPBV		98
30) ACRYLONITRILE	5.197	52	188676	8.6417	PPBV		99
31) METHYLENE CHLORIDE	5.589	84	282870	10.3492	PPBV		99
32) 3-CHLOROPROPENE	5.693	76	151425	12.0146	PPBV		96
33) FREON 113	5.815	151	593594	13.0893	PPBV		84
34) TRANS-1,2-DICHLOROETHY...	6.445	96	309546	10.7391	PPBV		99
35) TERTIARY BUTYL ALCOHOL	5.540	59	588972	11.2285	PPBV		97
36) METHYL TERTIARY BUTYL ...	6.702	73	924243	12.5099	PPBV		98
37) TETRAHYDROFURAN	8.238	72	148865	13.1627	PPBV		98
38) HEXANE	7.700	57	464407	11.3739	PPBV		89
39) VINYL ACETATE	6.800	86	57228	12.2623	PPBV		98
40) 1,1-DICHLOROETHANE	6.647	63	606542	11.3221	PPBV		99
41) METHYL ETHYL KETONE	7.051	72	153117	13.5456	PPBV		91
42) cis-1,2-DICHLOROETHYLENE	7.492	96	334930	11.1983	PPBV		99
43) DIISOPROPYL ETHER	7.712	59	146643	11.8231	PPBV		96
44) ETHYL ACETATE	7.742	61	105256	12.6227	PPBV	#	98
45) METHYL ACRYLATE	7.724	55	594885	11.9845	PPBV		100
46) CHLOROFORM	7.804	83	776162	11.6023	PPBV		98
47) 2,4-DIMETHYLPENTANE	8.654	57	531550	11.9037	PPBV		98
48) 1,1,1-TRICHLOROETHANE	8.868	97	780498	11.4904	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55821.D
Acq On : 23 Dec 2024 11:17 am
Operator : thomash
Sample : bsd Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 24 04:40:56 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
49)	CARBON TETRACHLORIDE	9.559	117	837796	11.6701	PPBV		100
50)	1,2-DICHLOROETHANE	8.599	62	539227	12.3926	PPBV		98
52)	BENZENE	9.394	78	1003786	11.3656	PPBV		99
53)	CYCLOHEXANE	9.694	84	399516	12.0424	PPBV		97
54)	2,3-DIMETHYLPENTANE	9.994	71	210768	11.7671	PPBV		96
55)	TRICHLOROETHYLENE	10.642	95	486023	10.4386	PPBV		96
56)	1,2-DICHLOROPROPANE	10.355	63	386594	10.3128	PPBV		97
57)	DIBROMOMETHANE	10.324	174	618370	13.5673	PPBV		78
58)	ETHYL ACRYLATE	10.404	55	724833	12.2573	PPBV		99
59)	BROMODICHLOROMETHANE	10.599	83	912837	11.2272	PPBV		99
60)	2,2,4-TRIMETHYLPENTANE	10.679	57	1481841	11.0490	PPBV		98
61)	1,4-DIOXANE	10.661	88	230304	11.1977	PPBV	#	69
62)	HEPTANE	11.022	43	571625	12.2028	PPBV		97
63)	METHYL METHACRYLATE	10.930	69	373765	12.7300	PPBV		99
64)	METHYL ISOBUTYL KETONE	11.780	58	300871	12.0549	PPBV		91
65)	cis-1,3-DICHLOROPROPENE	11.725	75	694724	12.1995	PPBV		95
66)	TOLUENE	12.955	92	695165	11.2535	PPBV		99
67)	1,3-DICHLOROPROPANE	12.998	76	626759	11.5328	PPBV	#	99
68)	trans-1,3-DICHLOROPROPENE	12.398	75	629861	12.0167	PPBV		96
69)	1,1,2-TRICHLOROETHANE	12.606	83	408547	10.9481	PPBV		97
71)	2-HEXANONE	13.352	58	433718	12.4841	PPBV		90
72)	ETHYL METHACRYLATE	13.383	69	649699	12.7723	PPBV		97
73)	TETRACHLOROETHYLENE	14.460	164	628041	13.0561	PPBV		80
74)	DIBROMOCHLOROMETHANE	13.505	129	864792	11.0562	PPBV		99
75)	1,2-DIBROMOETHANE	13.817	107	720274	11.1052	PPBV		100
76)	OCTANE	14.319	43	827456	12.7918	PPBV		97
77)	1,1,1,2-TETRACHLOROETHANE	15.383	131	554894	10.2747	PPBV		94
78)	CHLOROBENZENE	15.402	112	957513	10.0996	PPBV		96
79)	ETHYLBENZENE	15.952	91	1595928	11.7541	PPBV		99
80)	m,p-XYLENE	16.228	106	1172853	22.7654	PPBV		98
81)	o-XYLENE	16.895	106	573106	11.4600	PPBV		97
82)	STYRENE	16.742	104	890827	12.4195	PPBV		98
83)	NONANE	17.304	43	870573	12.8964	PPBV		100
84)	BROMOFORM	16.283	173	1256261	15.6980	PPBV		98
86)	1,1,2,2-TETRACHLOROETHANE	16.901	83	1106434	11.0070	PPBV		99
87)	1,2,3-TRICHLOROPROPANE	17.090	75	776868	10.7035	PPBV		96
88)	ISOPROPYLBENZENE	17.806	105	1675508	10.8276	PPBV		98
89)	BROMOBENZENE	17.904	77	921247	10.5407	PPBV		88
90)	2-CHLOROTOLUENE	18.540	126	406945	10.4962	PPBV		99
91)	n-PROPYLBENZENE	18.632	120	439908	11.2136	PPBV		100
92)	4-ETHYLTOLUENE	18.871	105	1717986	12.0291	PPBV		99
93)	1,3,5-TRIMETHYLBENZENE	19.005	105	1441798	11.8126	PPBV		99
94)	ALPHA-METHYLSTYRENE	19.250	118	698121	10.5959	PPBV		99
95)	tert-BUTYLBENZENE	19.605	134	309708	11.6219	PPBV		98
96)	1,2,4-TRIMETHYLBENZENE	19.623	105	1577032	12.3146	PPBV		100
97)	m-DICHLOROBENZENE	19.813	146	1174475	11.6475	PPBV		96
98)	BENZYL CHLORIDE	19.807	91	1538320	11.1916	PPBV		98
99)	p-DICHLOROBENZENE	19.917	146	1146194	12.1751	PPBV		96
100)	sec-BUTYLBENZENE	20.015	134	375367	11.8059	PPBV		100
101)	1,2,3-TRIMETHYLBENZENE	20.229	105	1540403	11.8435	PPBV	#	99
102)	p-ISOPROPYLTOLUENE	20.259	134	438132	11.7248	PPBV		98
103)	o-DICHLOROBENZENE	20.400	146	1074336	11.7368	PPBV		95
104)	n-BUTYLBENZENE	20.847	134	428450	12.4643	PPBV		95
105)	HEXACHLOROETHANE	21.312	117	806422	12.5853	PPBV	#	74
106)	HEXACHLOROBUTADIENE	23.251	225	1781369	20.6856	PPBV		99
107)	1,2,4-TRICHLOROBENZENE	23.116	180	1458721	17.8853	PPBV		96
108)	NAPHTHALENE	22.798	128	2203206	12.3065	PPBV		100
110)	TVHC as equiv Pentane	5.228	TIC	2091566	10.2524	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55821.D
Acq On : 23 Dec 2024 11:17 am
Operator : thomash
Sample : bsd Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 24 04:40:56 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

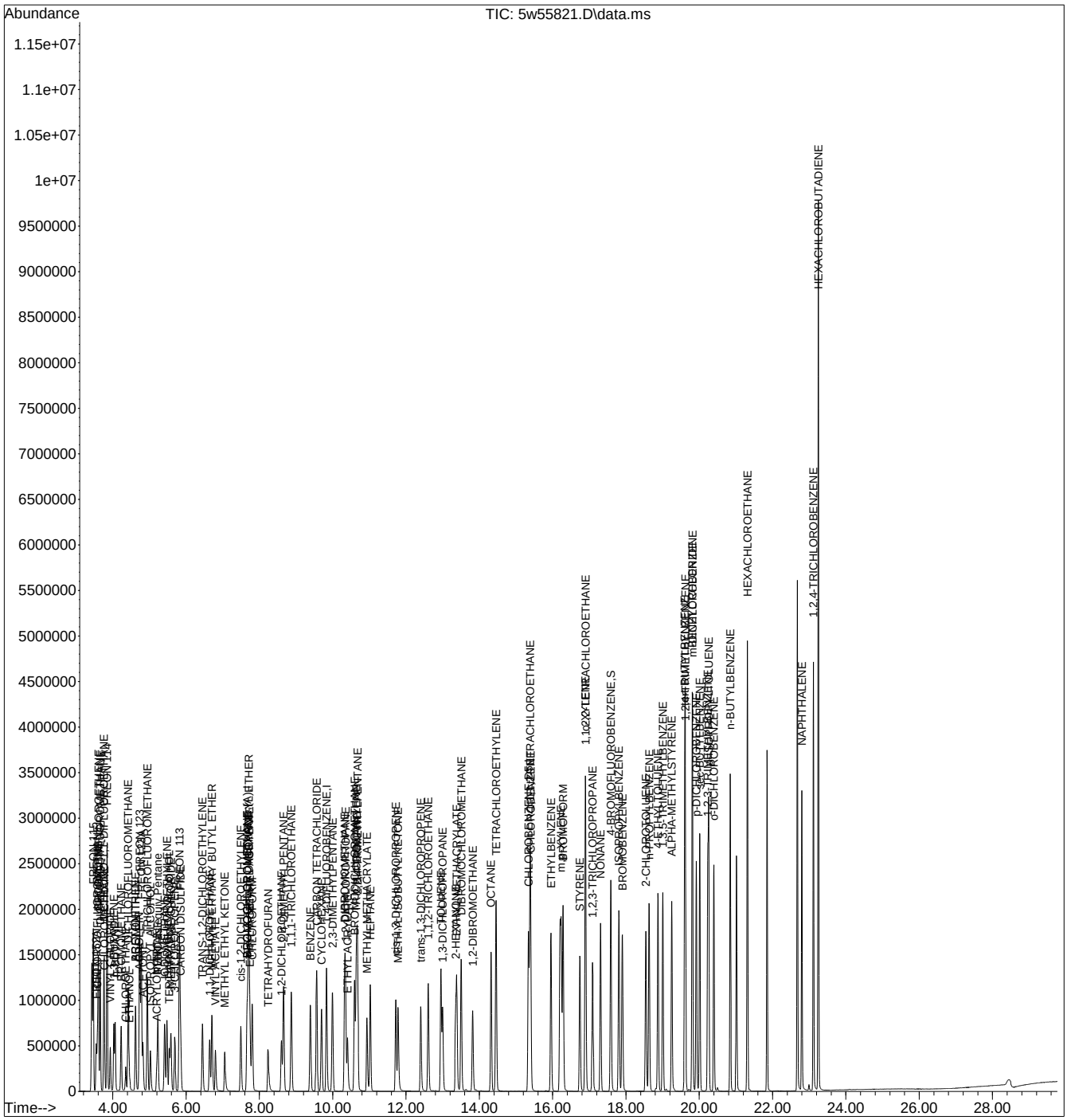
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55821.D
Acq On : 23 Dec 2024 11:17 am
Operator : thomash
Sample : bsd Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 24 04:40:56 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\09-20-2024\V3W3503\
Data File : 3w88780.d
Acq On : 19 Sep 2024 2:24 pm
Operator : thomash
Sample : bs Inst : GCMS-3W
Misc : MS80966,v3w3503,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 20 04:17:34 2024
Quant Method : C:\msdchem\1\methods\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Wed Sep 11 11:57:05 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	7.492	128	79563	10.00	PPBV	# 0.00
51) 1,4-DIFLUOROBENZENE	9.214	114	406111	10.00	PPBV	0.00
70) CHLOROBENZENE-D5	13.484	82	223805	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	7.492	128	79563	10.00	PPBV	# 0.00
System Monitoring Compounds						
85) 4-BROMOFLUOROBENZENE	15.145	95	257664	9.46	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 94.60%			
Target Compounds						Qvalue
2) FREON 115	3.866	119	156526	11.5756	PPBV	95
3) FREON 152A	3.939	65	86099	12.6941	PPBV	87
4) CHLORODIFLUOROMETHANE	3.970	67	45924	11.0153	PPBV	97
5) CHLOROTRIFLUOROETHENE	4.000	116	154846	11.5430	PPBV #	98
6) DICHLORODIFLUOROMETHANE	4.043	85	438698	11.1134	PPBV	99
7) PROPYLENE	3.994	41	144022	11.3627	PPBV	99
8) 1-CHLORO-1,1-DIFLUOROE...	4.140	65	355629	10.0720	PPBV	100
9) FREON 114	4.213	85	292856	11.3581	PPBV	97
10) CHLOROMETHANE	4.158	52	40507	10.2907	PPBV	92
11) VINYL CHLORIDE	4.298	62	112716	10.5597	PPBV	98
12) 1,3-BUTADIENE	4.390	54	88189	10.3409	PPBV	96
13) n-BUTANE	4.420	43	183162	10.1567	PPBV	98
14) BROMOMETHANE	4.572	94	89975	9.5702	PPBV	99
15) CHLOROETHANE	4.688	64	50283	11.1834	PPBV	86
16) DICHLOROFLUOROMETHANE	4.736	67	261062	10.5880	PPBV	98
17) ACETONITRILE	4.937	41	93822	9.5875	PPBV	99
18) ACROLEIN	5.022	56	41713	8.8102	PPBV	98
19) FREON 123	5.010	83	233348	10.4811	PPBV	97
20) FREON 123A	5.053	117	136025	10.7259	PPBV	90
21) TRICHLOROFLUOROMETHANE	5.211	101	348582	9.3529	PPBV	100
22) ISOPROPYL ALCOHOL	5.339	45	334091	10.7831	PPBV	95
23) ACETONE	5.132	58	50068	8.4172	PPBV	99
24) PENTANE	5.454	42	174053	13.8723	PPBV	89
25) IODOMETHANE	5.631	142	303383	12.6094	PPBV	87
26) 1,1-DICHLOROETHYLENE	5.679	96	112049	13.2169	PPBV	90
27) CARBON DISULFIDE	6.014	76	337284	11.8500	PPBV	93
28) ETHANOL	4.797	45	71628	10.4574	PPBV	98
29) BROMOETHENE	4.925	106	88976	10.7180	PPBV	96
30) ACRYLONITRILE	5.436	52	112543	13.0585	PPBV	96
31) METHYLENE CHLORIDE	5.758	84	105664	11.6569	PPBV	97
32) 3-CHLOROPROPENE	5.850	76	62921	15.3454	PPBV #	88
33) FREON 113	5.953	151	196278	11.4091	PPBV	94
34) TRANS-1,2-DICHLOROETHY...	6.488	96	116603	11.2178	PPBV	98
35) TERTIARY BUTYL ALCOHOL	5.813	59	310391	11.1193	PPBV #	100
36) METHYL TERTIARY BUTYL ...	6.732	73	394770	11.1668	PPBV	96
37) TETRAHYDROFURAN	7.997	72	57456	12.1960	PPBV #	84
38) HEXANE	7.510	57	236129	10.1466	PPBV	95
39) VINYL ACETATE	6.774	86	24209	11.8859	PPBV #	79
40) 1,1-DICHLOROETHANE	6.653	63	269704	10.9885	PPBV	98
41) METHYL ETHYL KETONE	7.012	72	60918	12.6618	PPBV #	79
42) cis-1,2-DICHLOROETHYLENE	7.346	96	121596	11.5371	PPBV	98
43) DIISOPROPYL ETHER	7.529	59	64078	10.4232	PPBV #	87
44) ETHYL ACETATE	7.553	61	46632	12.7693	PPBV #	72
45) METHYL ACRYLATE	7.541	55	286211	10.4550	PPBV	99
46) CHLOROFORM	7.602	83	296152	10.8171	PPBV	98
47) 2,4-DIMETHYLPENTANE	8.283	57	281168	11.3908	PPBV	97
48) 1,1,1-TRICHLOROETHANE	8.472	97	328601	10.5484	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\09-20-2024\V3W3503\
Data File : 3w88780.d
Acq On : 19 Sep 2024 2:24 pm
Operator : thomash
Sample : bs Inst : GCMS-3W
Misc : MS80966,v3w3503,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 20 04:17:34 2024
Quant Method : C:\msdchem\1\methods\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Wed Sep 11 11:57:05 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
49)	CARBON TETRACHLORIDE	9.031	117	347001	10.5645	PPBV		100
50)	1,2-DICHLOROETHANE	8.253	62	254175	10.3859	PPBV		98
52)	BENZENE	8.897	78	371100	11.5511	PPBV		96
53)	CYCLOHEXANE	9.141	84	158392	12.0725	PPBV		91
54)	2,3-DIMETHYLPENTANE	9.354	71	81474	11.7870	PPBV	#	83
55)	TRICHLOROETHYLENE	9.877	95	176967	10.8960	PPBV		98
56)	1,2-DICHLOROPROPANE	9.658	63	159733	10.7578	PPBV		97
57)	DIBROMOMETHANE	9.634	174	185204	11.2459	PPBV		95
58)	ETHYL ACRYLATE	9.670	55	371456	10.6227	PPBV		99
59)	BROMODICHLOROMETHANE	9.840	83	340238	10.3158	PPBV		100
60)	2,2,4-TRIMETHYLPENTANE	9.895	57	773436	11.0332	PPBV		98
61)	1,4-DIOXANE	9.944	88	84364	11.2378	PPBV		93
62)	HEPTANE	10.145	43	316154	10.4229	PPBV		94
63)	METHYL METHACRYLATE	10.078	69	145653	12.0023	PPBV		90
64)	METHYL ISOBUTYL KETONE	10.789	58	140419	10.8124	PPBV		99
65)	cis-1,3-DICHLOROPROPENE	10.704	75	264679	11.6345	PPBV		95
66)	TOLUENE	11.672	92	259752	11.0103	PPBV		100
67)	1,3-DICHLOROPROPANE	11.702	76	230908	10.8020	PPBV	#	100
68)	trans-1,3-DICHLOROPROPENE	11.221	75	251731	10.8695	PPBV		97
69)	1,1,2-TRICHLOROETHANE	11.398	83	138446	10.9134	PPBV		100
71)	2-HEXANONE	11.988	58	194516	11.8589	PPBV		100
72)	ETHYL METHACRYLATE	11.970	69	236181	13.1865	PPBV		90
73)	TETRACHLOROETHYLENE	12.827	164	202696	11.9299	PPBV		97
74)	DIBROMOCHLOROMETHANE	12.103	129	293055	11.0443	PPBV		99
75)	1,2-DIBROMOETHANE	12.353	107	255648	12.1358	PPBV		100
76)	OCTANE	12.675	43	443051	11.5416	PPBV		95
77)	1,1,1,2-TETRACHLOROETHANE	13.515	131	207158	11.2988	PPBV		98
78)	CHLOROBENZENE	13.533	112	360723	11.8957	PPBV		100
79)	ETHYLBENZENE	13.935	91	632204	12.2585	PPBV		100
80)	m,p-XYLENE	14.129	106	450583	23.8890	PPBV		99
81)	o-XYLENE	14.640	106	220018	12.2346	PPBV		100
82)	STYRENE	14.519	104	366696	12.9995	PPBV		99
83)	NONANE	14.890	43	482433	11.6449	PPBV		96
84)	BROMOFORM	14.208	173	289480	10.2536	PPBV		99
86)	1,1,2,2-TETRACHLOROETHANE	14.634	83	355021	11.6565	PPBV		100
87)	1,2,3-TRICHLOROPROPANE	14.774	75	311088	11.6456	PPBV		98
88)	ISOPROPYLBENZENE	15.297	105	717243	12.0112	PPBV		100
89)	BROMOBENZENE	15.395	77	379941	11.3248	PPBV		99
90)	2-CHLOROTOLUENE	15.851	126	165942	12.1209	PPBV		99
91)	n-PROPYLBENZENE	15.900	120	187394	12.2977	PPBV		100
92)	4-ETHYLTOLUENE	16.076	105	729269	12.9337	PPBV		100
93)	1,3,5-TRIMETHYLBENZENE	16.173	105	619452	12.5767	PPBV		99
94)	ALPHA-METHYLSTYRENE	16.362	118	290468	12.1839	PPBV		100
95)	tert-BUTYLBENZENE	16.654	134	118930	12.0475	PPBV	#	93
96)	1,2,4-TRIMETHYLBENZENE	16.666	105	630130	12.4573	PPBV		99
97)	m-DICHLOROBENZENE	16.843	146	416362	11.1046	PPBV		99
98)	BENZYL CHLORIDE	16.824	91	625870	12.1206	PPBV		100
99)	p-DICHLOROBENZENE	16.922	146	436284	11.6885	PPBV		99
100)	sec-BUTYLBENZENE	16.982	134	157909	11.8610	PPBV	#	87
101)	1,2,3-Trimethylbenzene	17.171	105	650736	12.2186	PPBV		98
102)	p-ISOPROPYLTOLUENE	17.177	134	175454	11.7537	PPBV	#	88
103)	o-DICHLOROBENZENE	17.329	146	417034	11.4714	PPBV		100
104)	n-BUTYLBENZENE	17.682	134	180476	12.2179	PPBV		93
105)	HEXACHLOROETHANE	18.126	117	271565	11.8464	PPBV		96
106)	HEXACHLOROBUTADIENE	19.903	225	562733	12.6998	PPBV		100
107)	1,2,4-TRICHLOROBENZENE	19.361	180	551873	12.9580	PPBV		98
108)	NAPHTHALENE	19.489	128	935507	13.1281	PPBV		100
110)	TVHC as equiv Pentane	5.454	TIC	1157948	13.7031	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\09-20-2024\V3W3503\
Data File : 3w88780.d
Acq On : 19 Sep 2024 2:24 pm
Operator : thomash
Sample : bs Inst : GCMS-3W
Misc : MS80966,v3w3503,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 20 04:17:34 2024
Quant Method : C:\msdchem\1\methods\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Wed Sep 11 11:57:05 2024
Response via : Initial Calibration

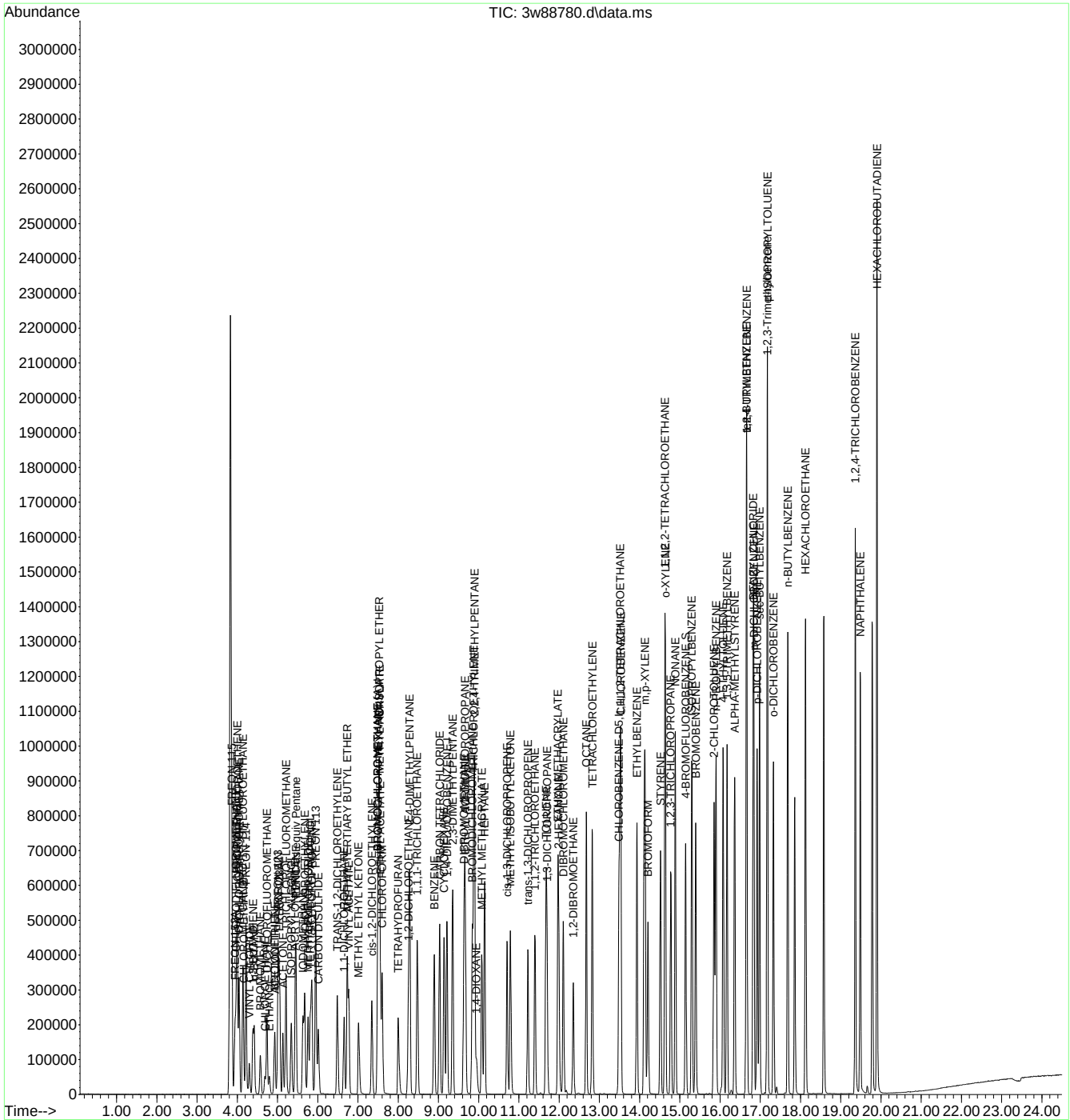
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\09-20-2024\V3W3503\
Data File : 3w88780.d
Acq On : 19 Sep 2024 2:24 pm
Operator : thomash
Sample : bs Inst : GCMS-3W
Misc : MS80966,v3w3503,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 20 04:17:34 2024
Quant Method : C:\msdchem\1\methods\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Wed Sep 11 11:57:05 2024
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 09/22/24 01:05

Quantitation Report (QT Reviewed)

Data Path : G:\Dayton\MSAIR\Done\2024\September\09-20-2024\V3W3503\
Data File : 3w88781.d
Acq On : 19 Sep 2024 3:04 pm
Operator : thomash
Sample : bsd
Misc : MS80966,v3w3503,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 22 00:51:50 2024
Quant Method : C:\msdchem\1\methods\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Wed Sep 11 11:57:05 2024
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) BROMOCHLOROMETHANE	7.492	128	76528	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.214	114	385893	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	13.491	82	214634	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.492	128	76528	10.00	PPBV		0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	15.145	95	246053	9.42	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 94.20%				
Target Compounds							Qvalue
2) FREON 115	3.866	119	150092	11.54	PPBV		97
3) FREON 152A	3.945	65	82168	12.59	PPBV		88
4) CHLORODIFLUOROMETHANE	3.970	67	44122	11.00	PPBV		100
5) CHLOROTRIFLUOROETHENE	4.000	116	147821	11.46	PPBV	#	98
6) DICHLORODIFLUOROMETHANE	4.043	85	423312	11.15	PPBV		100
7) PROPYLENE	3.994	41	136464	11.19	PPBV		99
8) 1-CHLORO-1,1-DIFLUOROE...	4.140	65	347073	10.22	PPBV		99
9) FREON 114	4.219	85	279264	11.26	PPBV		97
10) CHLOROMETHANE	4.158	52	38488	10.17	PPBV		97
11) VINYL CHLORIDE	4.298	62	106259	10.35	PPBV		98
12) 1,3-BUTADIENE	4.390	54	83742	10.21	PPBV		95
13) n-BUTANE	4.420	43	172124	9.92	PPBV		99
14) BROMOMETHANE	4.572	94	85418	9.45	PPBV		99
15) CHLOROETHANE	4.688	64	48134	11.13	PPBV		96
16) DICHLOROFLUOROMETHANE	4.736	67	249554	10.52	PPBV		98
17) ACETONITRILE	4.937	41	89461	9.50	PPBV		99
18) ACROLEIN	5.022	56	40239	8.84	PPBV		99
19) FREON 123	5.016	83	223298	10.43	PPBV		97
20) FREON 123A	5.053	117	130955	10.74	PPBV		91
21) TRICHLOROFLUOROMETHANE	5.211	101	337761	9.42	PPBV		100
22) ISOPROPYL ALCOHOL	5.345	45	312504	10.49	PPBV		96
23) ACETONE	5.132	58	46902	8.20	PPBV		96
24) PENTANE	5.454	42	162559	13.47	PPBV		90
25) IODOMETHANE	5.631	142	286122	12.36	PPBV		89
26) 1,1-DICHLOROETHYLENE	5.673	96	106654	13.08	PPBV		90
27) CARBON DISULFIDE	6.014	76	317464	11.60	PPBV		93
28) ETHANOL	4.797	45	66744	10.13	PPBV		99
29) BROMOETHENE	4.925	106	85808	10.75	PPBV		96
30) ACRYLONITRILE	5.436	52	105280	12.70	PPBV		96
31) METHYLENE CHLORIDE	5.764	84	99328	11.39	PPBV		98
32) 3-CHLOROPROPENE	5.850	76	58977	14.95	PPBV	#	88
33) FREON 113	5.953	151	187931	11.36	PPBV		94
34) TRANS-1,2-DICHLOROETHY...	6.488	96	110561	11.06	PPBV		97
35) TERTIARY BUTYL ALCOHOL	5.819	59	296952	11.06	PPBV	#	99
36) METHYL TERTIARY BUTYL ...	6.738	73	380086	11.18	PPBV		96
37) TETRAHYDROFURAN	8.003	72	54566	12.04	PPBV	#	83
38) HEXANE	7.504	57	222822	9.95	PPBV		96
39) VINYL ACETATE	6.774	86	22982	11.73	PPBV	#	80
40) 1,1-DICHLOROETHANE	6.659	63	254674	10.79	PPBV		98
41) METHYL ETHYL KETONE	7.018	72	57694	12.47	PPBV	#	73
42) cis-1,2-DICHLOROETHYLENE	7.346	96	116458	11.49	PPBV		98
43) DIISOPROPYL ETHER	7.529	59	60440	10.22	PPBV	#	86
44) ETHYL ACETATE	7.559	61	44262	12.60	PPBV	#	73
45) METHYL ACRYLATE	7.541	55	269419	10.23	PPBV		98
46) CHLOROFORM	7.602	83	283832	10.78	PPBV		98
47) 2,4-DIMETHYLPENTANE	8.283	57	265084	11.17	PPBV		97
48) 1,1,1-TRICHLOROETHANE	8.478	97	316752	10.57	PPBV		100
49) CARBON TETRACHLORIDE	9.031	117	333995	10.57	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : G:\Dayton\MSAIR\Done\2024\September\09-20-2024\V3W3503\
Data File : 3w88781.d
Acq On : 19 Sep 2024 3:04 pm
Operator : thomash
Sample : bsd
Misc : MS80966,v3w3503,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 22 00:51:50 2024
Quant Method : C:\msdchem\1\methods\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Wed Sep 11 11:57:05 2024
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
50) 1,2-DICHLOROETHANE	8.253	62	245445	10.43	PPBV		99
52) BENZENE	8.897	78	347159	11.37	PPBV		96
53) CYCLOHEXANE	9.141	84	149048	11.96	PPBV		90
54) 2,3-DIMETHYLPENTANE	9.354	71	77204	11.75	PPBV	#	83
55) TRICHLOROETHYLENE	9.877	95	167891	10.88	PPBV		98
56) 1,2-DICHLOROPROPANE	9.658	63	150769	10.69	PPBV		97
57) DIBROMOMETHANE	9.634	174	178190	11.39	PPBV		94
58) ETHYL ACRYLATE	9.676	55	351694	10.58	PPBV		99
59) BROMODICHLOROMETHANE	9.840	83	326628	10.42	PPBV		100
60) 2,2,4-TRIMETHYLPENTANE	9.895	57	734378	11.02	PPBV		98
61) 1,4-DIOXANE	9.950	88	80272	11.25	PPBV		93
62) HEPTANE	10.151	43	299946	10.41	PPBV		94
63) METHYL METHACRYLATE	10.078	69	138129	11.98	PPBV		90
64) METHYL ISOBUTYL KETONE	10.789	58	133256	10.80	PPBV		98
65) cis-1,3-DICHLOROPROPENE	10.710	75	252955	11.70	PPBV		96
66) TOLUENE	11.672	92	245035	10.93	PPBV		99
67) 1,3-DICHLOROPROPANE	11.702	76	217997	10.73	PPBV	#	99
68) trans-1,3-DICHLOROPROPENE	11.221	75	240897	10.95	PPBV		98
69) 1,1,2-TRICHLOROETHANE	11.398	83	132218	10.97	PPBV		99
71) 2-HEXANONE	11.988	58	183274	11.65	PPBV		98
72) ETHYL METHACRYLATE	11.970	69	224785	13.09	PPBV		90
73) TETRACHLOROETHYLENE	12.827	164	194318	11.93	PPBV		97
74) DIBROMOCHLOROMETHANE	12.103	129	282922	11.12	PPBV		99
75) 1,2-DIBROMOETHANE	12.353	107	243206	12.04	PPBV		100
76) OCTANE	12.675	43	417683	11.35	PPBV		95
77) 1,1,1,2-TETRACHLOROETHANE	13.515	131	199453	11.34	PPBV		99
78) CHLOROBENZENE	13.533	112	344234	11.84	PPBV		100
79) ETHYLBENZENE	13.935	91	596114	12.05	PPBV		100
80) m,p-XYLENE	14.129	106	431049	23.83	PPBV		99
81) o-XYLENE	14.640	106	210940	12.23	PPBV		99
82) STYRENE	14.519	104	346554	12.81	PPBV		100
83) NONANE	14.890	43	453978	11.43	PPBV		96
84) BROMOFORM	14.208	173	276370	10.21	PPBV		99
86) 1,1,2,2-TETRACHLOROETHANE	14.634	83	337425	11.55	PPBV		100
87) 1,2,3-TRICHLOROPROPANE	14.780	75	297501	11.61	PPBV		98
88) ISOPROPYLBENZENE	15.303	105	678333	11.84	PPBV		100
89) BROMOBENZENE	15.395	77	362811	11.28	PPBV		99
90) 2-CHLOROTOLUENE	15.851	126	159412	12.14	PPBV		99
91) n-PROPYLBENZENE	15.900	120	178783	12.23	PPBV		99
92) 4-ETHYLTOLUENE	16.076	105	700293	12.95	PPBV		100
93) 1,3,5-TRIMETHYLBENZENE	16.173	105	593303	12.56	PPBV		99
94) ALPHA-METHYLSTYRENE	16.362	118	278210	12.17	PPBV		99
95) tert-BUTYLBENZENE	16.654	134	112258	11.86	PPBV	#	89
96) 1,2,4-TRIMETHYLBENZENE	16.666	105	603915	12.45	PPBV		99
97) m-DICHLOROBENZENE	16.843	146	401913	11.18	PPBV		100
98) BENZYL CHLORIDE	16.824	91	599164	12.10	PPBV		100
99) p-DICHLOROBENZENE	16.922	146	418583	11.69	PPBV		100
100) sec-BUTYLBENZENE	16.983	134	152337	11.93	PPBV	#	88
101) 1,2,3-Trimethylbenzene	17.171	105	625719	12.25	PPBV		99
102) p-ISOPROPYLTOLUENE	17.177	134	169889m	11.87	PPBV		
103) o-DICHLOROBENZENE	17.329	146	403515	11.57	PPBV		100
104) n-BUTYLBENZENE	17.682	134	170321	12.02	PPBV	#	90
105) HEXACHLOROETHANE	18.126	117	263924	12.00	PPBV		96
106) HEXACHLOROBUTADIENE	19.903	225	547693	12.89	PPBV		100
107) 1,2,4-TRICHLOROBENZENE	19.361	180	528529	12.94	PPBV		99
108) NAPHTHALENE	19.483	128	901927	13.20	PPBV		100
110) TVHC as equiv Pentane	5.454	TIC	1084938	13.35	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : G:\Dayton\MSAIR\Done\2024\September\09-20-2024\V3W3503\
Data File : 3w88781.d
Acq On : 19 Sep 2024 3:04 pm
Operator : thomash
Sample : bsd
Misc : MS80966,v3w3503,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 22 00:51:50 2024
Quant Method : C:\msdchem\1\methods\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Wed Sep 11 11:57:05 2024
Response via : Initial Calibration

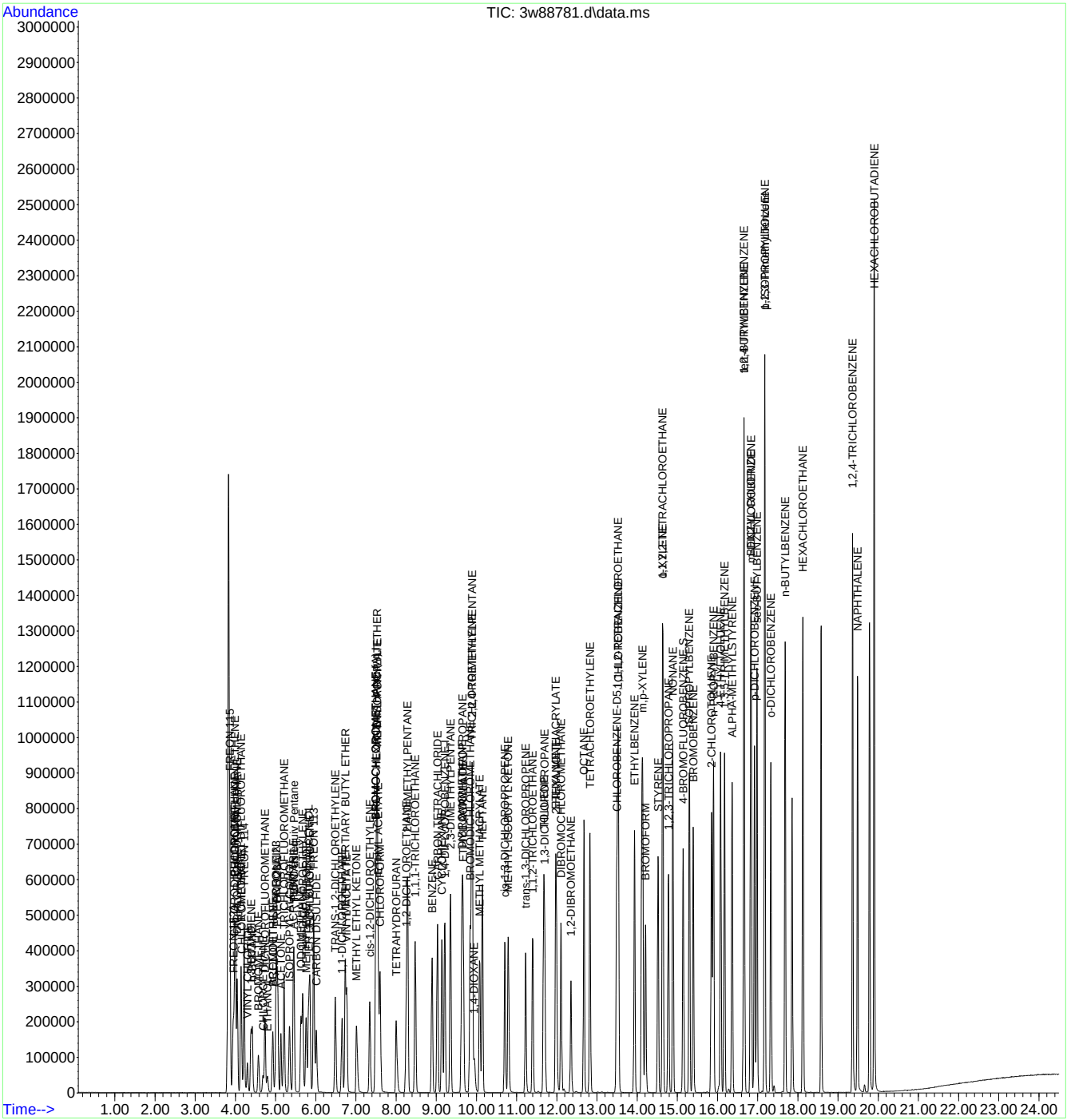
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : G:\Dayton\MSAIR\Done\2024\September\09-20-2024\V3W3503\
Data File : 3w88781.d
Acq On : 19 Sep 2024 3:04 pm
Operator : thomash
Sample : bsd
Misc : MS80966,v3w3503,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 22 00:51:50 2024
Quant Method : C:\msdchem\1\methods\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Wed Sep 11 11:57:05 2024
Response via : Initial Calibration



Manual Integration Approval Summary

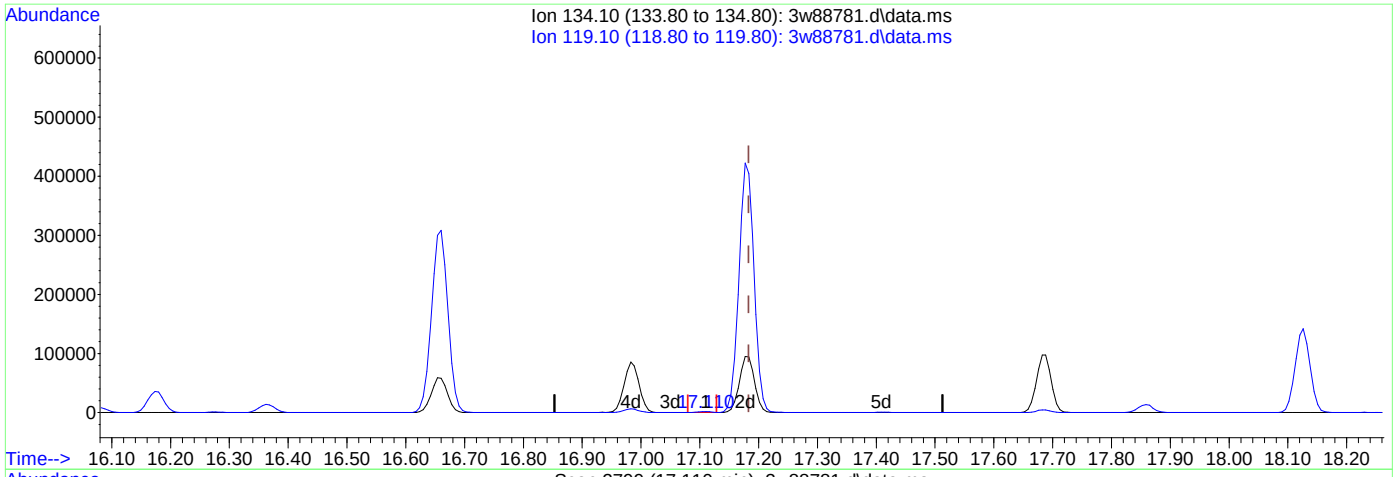
Sample Number: V3W3503-BSD
Lab FileID: 3W88781.D
Injection Time: 09/19/24 15:04
Method: TO-15
Analyst approved: 09/22/24 01:04 Kanya Veerawat
Supervisor approved: 09/22/24 01:05 Kanya Veerawat

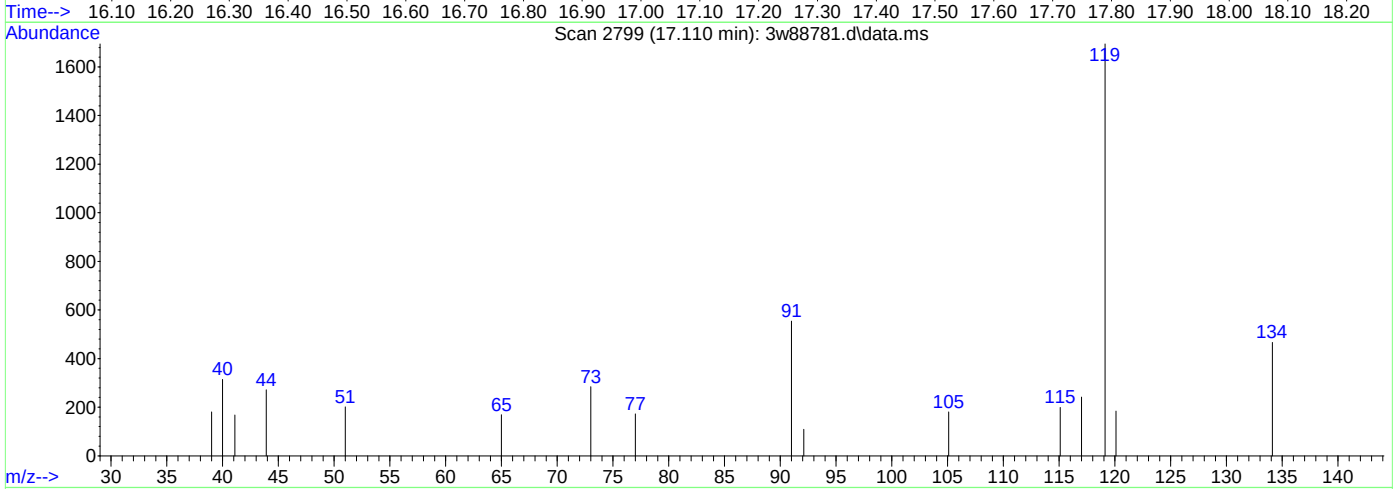
Parameter	CAS	Sig#	R.T. (min.)	Reason
p-Isopropyltoluene	99-87-6		17.18	Missed peak

Quantitation Report (Qedit)

Data Path : G:\Dayton\MSAIR\Done\2024\September\09-20-2024\V3W3503\
Data File : 3w88781.d
Acq On : 19 Sep 2024 3:04 pm
Operator : thomash
Sample : bsd
Misc : MS80966,v3w3503,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 20 00:17:56 2024
Quant Method : C:\msdchem\1\methods\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Wed Sep 11 11:57:05 2024
Response via : Initial Calibration





TIC: 3w88781.d\data.ms

(102) p-ISOPROPYLTOLUENE

17.110min (-0.073) 0.05PPBV

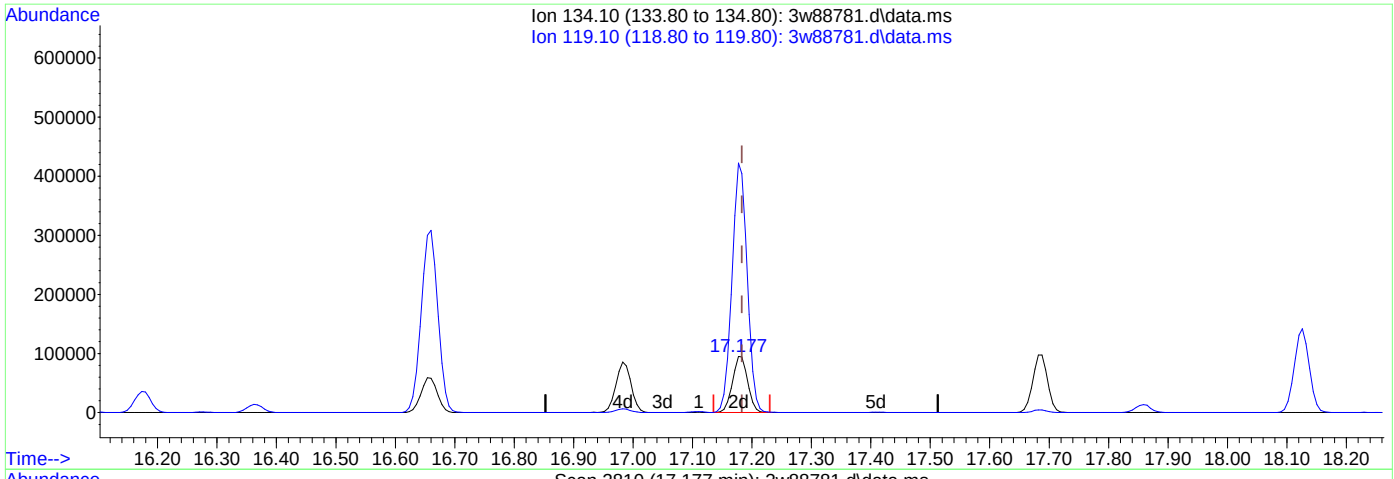
response 694

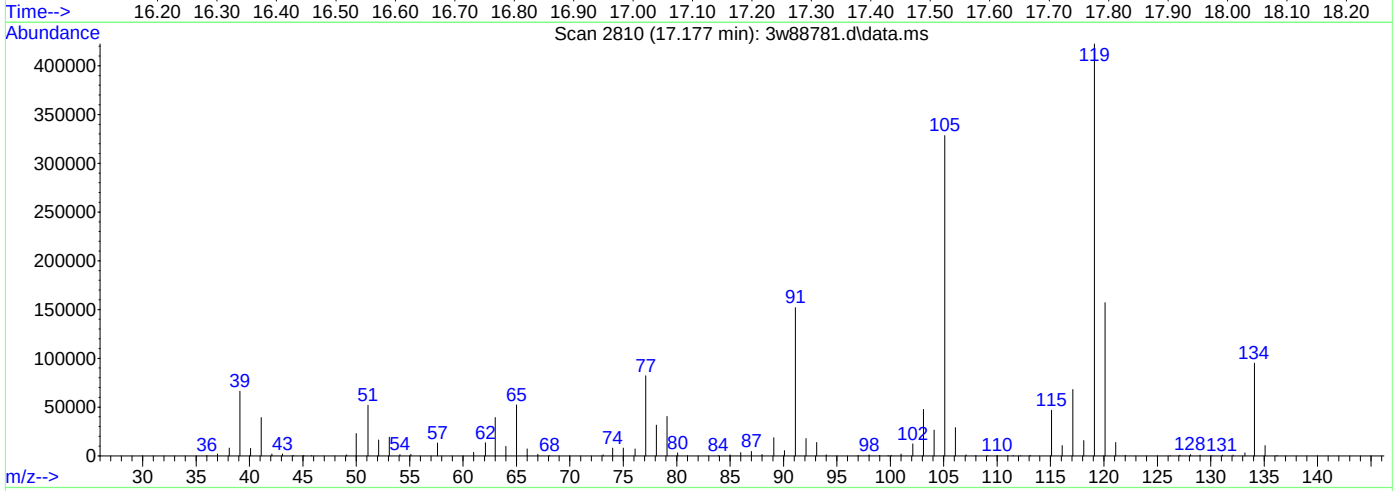
Ion	Exp%	Act%
134.10	100	100
119.10	416.50	406.77
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : G:\Dayton\MSAIR\Done\2024\September\09-20-2024\V3W3503\
Data File : 3w88781.d
Acq On : 19 Sep 2024 3:04 pm
Operator : thomash
Sample : bsd
Misc : MS80966,v3w3503,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 20 00:17:56 2024
Quant Method : C:\msdchem\1\methods\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Wed Sep 11 11:57:05 2024
Response via : Initial Calibration





TIC: 3w88781.d\data.ms

(102) p-ISOPROPYLTOLUENE

17.177min (-0.006) 11.87PPBV m

response 169889

Ion	Exp%	Act%
134.10	100	100
119.10	416.50	1.66#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\07 November 2024\v7w379\
Data File : 7w10300.d
Acq On : 6 Nov 2024 9:45 am
Operator : thomash
Sample : bs Inst : MS7W
Misc : MS86666,v7w379,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 07 00:52:00 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.274	128	55418	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.553	114	277611	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.122	117	253160	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.274	128	55418	10.00	PPBV	0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.479	95	177508	9.56	PPBV	0.00
Target Compounds						Qvalue
2) FREON 115	1.621	119	101689	14.3078	PPBV	95
3) FREON 152A	1.650	65	55097	14.3607	PPBV	88
4) CHLORODIFLUOROMETHANE	1.663	67	21774	11.7686	PPBV	96
5) CHLOROTRIFLUOROETHENE	1.676	116	112246	12.4825	PPBV	74
6) DICHLORODIFLUOROMETHANE	1.692	85	235902	10.6156	PPBV	97
7) PROPYLENE	1.673	41	73946	13.9268	PPBV	97
8) 1-CHLORO-1,1-DIFLUOROE...	1.730	65	166301	8.9382	PPBV	95
9) FREON 114	1.766	85	198006	10.4747	PPBV	99
10) CHLOROMETHANE	1.737	52	28438	9.8802	PPBV	97
11) VINYL CHLORIDE	1.798	62	96261	10.8774	PPBV	100
12) 1,3-BUTADIENE	1.837	54	80883	11.2419	PPBV	89
13) N-BUTANE	1.853	43	145108	11.0439	PPBV	100
14) BROMOMETHANE	1.914	94	69803	9.8640	PPBV	100
15) CHLOROETHANE	1.962	64	49710	10.9679	PPBV	90
16) DICHLOROFLUOROMETHANE	1.988	67	179148	10.3423	PPBV	98
17) ACETONITRILE	2.058	41	88317	10.2651	PPBV	98
18) ACROLEIN	2.097	56	46149	10.6841	PPBV	98
19) FREON 123	2.113	83	182604	10.3742	PPBV	98
20) FREON 123A	2.129	117	106047	10.5031	PPBV	95
21) TRICHLOROFLUOROMETHANE	2.193	101	192934	9.6817	PPBV	99
22) ISOPROPYL ALCOHOL	2.219	45	192983	10.2814	PPBV	96
23) ACETONE	2.139	58	52190	10.2028	PPBV	76
24) PENTANE	2.312	42	107328	11.2569	PPBV	92
25) IODOMETHANE	2.374	142	177911	10.3499	PPBV	94
26) 1,1-DICHLOROETHYLENE	2.399	96	74370	10.0290	PPBV	99
27) CARBON DISULFIDE	2.534	76	203581	9.4204	PPBV	94
28) ETHANOL	1.997	45	52029	10.1448	PPBV	98
29) BROMOETHENE	2.065	106	70924	10.4799	PPBV	97
30) ACRYLONITRILE	2.283	52	73795	10.6068	PPBV	98
31) METHYLENE CHLORIDE	2.438	84	67687	8.8687	PPBV	94
32) 3-CHLOROPROPENE	2.480	76	36598	9.3712	PPBV	87
33) FREON 113	2.531	151	108355	9.2848	PPBV	99
34) TRANS-1,2-DICHLOROETHENE	2.763	96	81482	11.2666	PPBV	93
35) TERTIARY BUTYL ALCOHOL	2.422	59	170293	9.4518	PPBV	96
36) METHYL TERTIARY BUTYL ...	2.872	73	221726	12.2027	PPBV	99
37) TETRAHYDROFURAN	3.563	72	42600	12.3040	PPBV	98
38) HEXANE	3.325	57	178660	11.8122	PPBV	90
39) VINYL ACETATE	2.907	86	20078	12.1383	PPBV	88
40) 1,1-DICHLOROETHANE	2.837	63	173735	12.8917	PPBV	98
41) METHYL ETHYL KETONE	3.004	72	45862	12.4430	PPBV	95
42) CIS-1,2-DICHLOROETHENE	3.200	96	88547	11.5448	PPBV	97
43) DIISOPROPYL ETHER	3.332	59	49468	12.5693	PPBV	92
44) ETHYL ACETATE	3.338	61	36564	12.6496	PPBV	77
45) METHYL ACRYLATE	3.322	55	208972	12.6138	PPBV #	26
46) CHLOROFORM	3.348	83	171173	11.0351	PPBV	96
47) 2,4-DIMETHYLPENTANE	3.840	57	206467	12.7611	PPBV	98
48) 1,1,1-TRICHLOROETHANE	3.920	97	164154	11.6253	PPBV	97
49) CARBON TETRACHLORIDE	4.341	117	169494	12.2285	PPBV	98

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\07 November 2024\v7w379\
Data File : 7w10300.d
Acq On : 6 Nov 2024 9:45 am
Operator : thomash
Sample : bs Inst : MS7W
Misc : MS86666,v7w379,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 07 00:52:00 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	3.753	62	130309	11.0766	PPBV		99
51)	BENZENE	4.229	78	270558	11.8519	PPBV		97
53)	CYCLOHEXANE	4.438	84	116935	11.9259	PPBV		90
54)	2,3-DIMETHYLPENTANE	4.695	71	63992	12.7442	PPBV		96
55)	TRICHLOROETHENE	5.129	95	115688	10.8806	PPBV		99
56)	1,2-DICHLOROPROPANE	4.894	63	118812	12.5612	PPBV		94
57)	DIBROMOMETHANE	4.853	174	96539	10.8203	PPBV		96
58)	ETHYL ACRYLATE	5.013	55	256350	12.6248	PPBV		99
59)	BROMODICHLOROMETHANE	5.071	83	184430	11.3033	PPBV		98
60)	2,2,4-TRIMETHYLPENTANE	5.222	57	562880	12.5262	PPBV		98
61)	1,4-DIOXANE	5.152	88	66447	11.4187	PPBV	#	93
62)	HEPTANE	5.537	43	193898	12.2916	PPBV		98
63)	METHYL METHACRYLATE	5.434	69	105889	12.4688	PPBV		96
64)	METHYL ISOBUTYL KETONE	6.174	58	110377	11.3662	PPBV		92
65)	CIS-1,3-DICHLOROPROPENE	6.065	75	157761	13.0147	PPBV		88
66)	TOLUENE	7.267	91	324157	10.9745	PPBV		99
67)	1,3-DICHLOROPROPANE	7.325	76	163792	11.2868	PPBV		99
68)	TRANS-1,3-DICHLOROPROPENE	6.740	75	128306	12.9035	PPBV		87
69)	1,1,2-TRICHLOROETHANE	6.897	83	95574	11.8351	PPBV		97
70)	2-HEXANONE	7.849	58	157045	10.5961	PPBV		89
71)	ETHYL METHACRYLATE	7.971	69	172865	12.3089	PPBV		95
72)	TETRACHLOROETHENE	8.997	164	117296	11.1141	PPBV		98
73)	DIBROMOCHLOROMETHANE	7.801	129	180107	11.6424	PPBV		100
74)	1,2-DIBROMOETHANE	8.142	107	168106	11.8166	PPBV		99
75)	OCTANE	9.142	43	268046	11.2960	PPBV		98
77)	1,1,1,2-TETRACHLOROETHANE	10.212	131	128786	11.8616	PPBV		95
78)	CHLOROBENZENE	10.200	112	255738	10.4357	PPBV		98
79)	ETHYLBENZENE	11.081	91	425536	10.5932	PPBV		98
80)	M,P-XYLENE	11.508	91	654142	20.6156	PPBV		100
81)	O-XYLENE	12.444	91	330597	10.3776	PPBV		98
82)	STYRENE	12.232	104	258504	11.2153	PPBV		98
83)	NONANE	13.566	43	276767	10.9853	PPBV		96
84)	BROMOFORM	11.315	173	163001	11.8320	PPBV		98
85)	1,1,2,2-TETRACHLOROETHANE	12.457	83	245760	10.9525	PPBV		97
86)	1,2,3-TRICHLOROPROPANE	12.736	75	190960	10.5383	PPBV		100
88)	ISOPROPYLBENZENE	13.955	120	124352	10.3055	PPBV		96
89)	BROMOBENZENE	13.823	77	233548	10.2309	PPBV		99
90)	2-CHLOROTOLUENE	14.955	126	111484	10.0782	PPBV		99
91)	N-PROPYLBENZENE	15.296	120	129897	10.4546	PPBV		100
92)	4-ETHYLTOLUENE	15.736	105	478052	10.8672	PPBV		99
93)	1,3,5-TRIMETHYLBENZENE	15.997	105	385407	10.4126	PPBV		99
94)	ALPHA-METHYLSTYRENE	16.270	118	196545	9.9934	PPBV		99
95)	TERT-BUTYLBENZENE	16.572	134	92704	10.4702	PPBV		95
96)	1,2,4-TRIMETHYLBENZENE	16.579	105	396343	10.2469	PPBV		100
97)	BENZYL CHLORIDE	16.669	91	224654	19.9592	PPBV		98
98)	M-DICHLOROBENZENE	16.640	146	262672	10.1758	PPBV		98
99)	P-DICHLOROBENZENE	16.733	146	266597	10.4129	PPBV		98
100)	O-DICHLOROBENZENE	17.045	146	247177	9.9989	PPBV		98
101)	SEC-BUTYLBENZENE	16.875	134	116410	10.4464	PPBV		97
102)	1,2,3-TRIMETHYLBENZENE	16.994	105	386914	9.8803	PPBV		99
103)	P-ISOPROPYLTOLUENE	17.064	134	126053	10.1372	PPBV		95
104)	N-BUTYLBENZENE	17.424	134	125350	10.1557	PPBV		96
105)	HEXACHLOROETHANE	17.604	117	146412	12.2228	PPBV		96
106)	HEXACHLOROBUTADIENE	18.659	225	198067	10.6641	PPBV		99
107)	1,2,4-TRICHLOROBENZENE	18.350	180	250949	10.1410	PPBV		99
108)	NAPHTHALENE	18.399	128	585806	9.0609	PPBV		100
110)	TVHC as equiv Pentane	2.312	TIC	495702	10.3057	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\07 November 2024\v7w379\
Data File : 7w10300.d
Acq On : 6 Nov 2024 9:45 am
Operator : thomash
Sample : bs Inst : MS7W
Misc : MS86666,v7w379,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 07 00:52:00 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

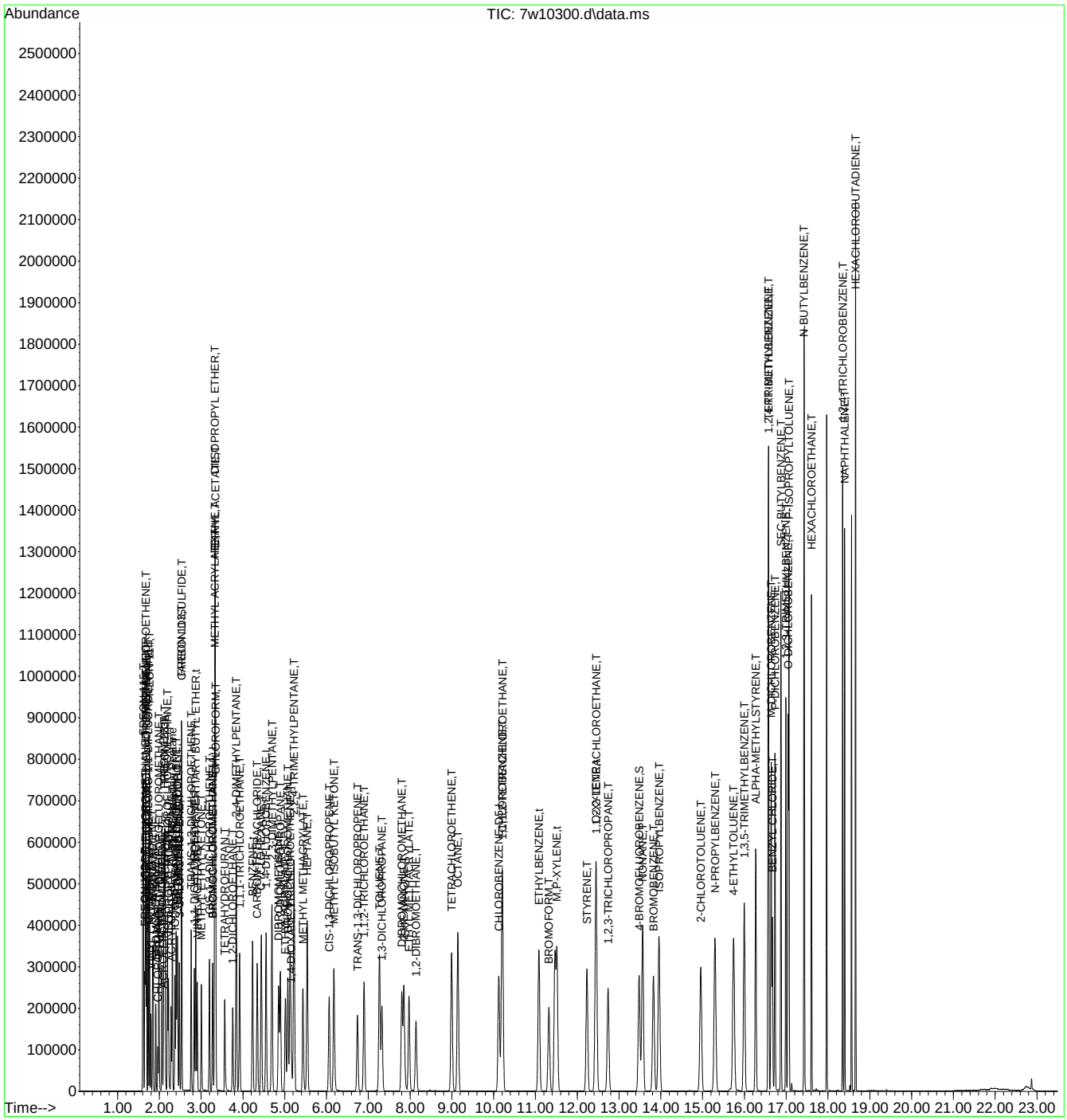
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\07 November 2024\v7w379\
Data File : 7w10300.d
Acq On : 6 Nov 2024 9:45 am
Operator : thomash
Sample : bs Inst : MS7W
Misc : MS86666,v7w379,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 07 00:52:00 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\07 November 2024\v7w379\
Data File : 7w10301.d
Acq On : 6 Nov 2024 10:21 am
Operator : thomash
Sample : bsd Inst : MS7W
Misc : MS86666,v7w379,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 07 00:52:20 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.277	128	55927	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.557	114	282163	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.122	117	256452	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.277	128	55927	10.00	PPBV	0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.476	95	180237	9.58	PPBV	0.00
Target Compounds						Qvalue
2) FREON 115	1.621	119	101219	14.1121	PPBV	95
3) FREON 152A	1.650	65	55279	14.2770	PPBV	89
4) CHLORODIFLUOROMETHANE	1.663	67	21660	11.6004	PPBV	97
5) CHLOROTRIFLUOROETHENE	1.676	116	112336	12.3788	PPBV	73
6) DICHLORODIFLUOROMETHANE	1.692	85	233527	10.4131	PPBV	97
7) PROPYLENE	1.672	41	74092	13.8272	PPBV	97
8) 1-CHLORO-1,1-DIFLUOROE...	1.730	65	164409	8.7561	PPBV	95
9) FREON 114	1.766	85	197481	10.3518	PPBV	100
10) CHLOROMETHANE	1.737	52	27929	9.6150	PPBV	95
11) VINYL CHLORIDE	1.798	62	95894	10.7373	PPBV	100
12) 1,3-BUTADIENE	1.836	54	80272	11.0554	PPBV	89
13) N-BUTANE	1.852	43	141888	10.7005	PPBV	99
14) BROMOMETHANE	1.914	94	68501	9.5919	PPBV	98
15) CHLOROETHANE	1.965	64	49722	10.8707	PPBV	98
16) DICHLOROFLUOROMETHANE	1.988	67	178775	10.2268	PPBV	98
17) ACETONITRILE	2.058	41	87064	10.0274	PPBV	97
18) ACROLEIN	2.097	56	45664	10.4756	PPBV	99
19) FREON 123	2.113	83	181231	10.2025	PPBV	98
20) FREON 123A	2.129	117	106742	10.4757	PPBV	95
21) TRICHLOROFLUOROMETHANE	2.197	101	191184	9.5065	PPBV	99
22) ISOPROPYL ALCOHOL	2.219	45	188362	9.9439	PPBV	97
23) ACETONE	2.139	58	52793	10.2267	PPBV	74
24) PENTANE	2.312	42	107178	11.1388	PPBV	92
25) IODOMETHANE	2.373	142	179098	10.3241	PPBV	93
26) 1,1-DICHLOROETHYLENE	2.402	96	74256	9.9225	PPBV	99
27) CARBON DISULFIDE	2.534	76	202039	9.2639	PPBV	94
28) ETHANOL	1.997	45	51138	9.8803	PPBV	97
29) BROMOETHENE	2.068	106	70001	10.2494	PPBV	98
30) ACRYLONITRILE	2.283	52	74228	10.5719	PPBV	98
31) METHYLENE CHLORIDE	2.438	84	67346	8.7437	PPBV	95
32) 3-CHLOROPROPENE	2.479	76	36384	9.2316	PPBV	87
33) FREON 113	2.534	151	109342	9.2841	PPBV	98
34) TRANS-1,2-DICHLOROETHENE	2.762	96	82091	11.2475	PPBV	93
35) TERTIARY BUTYL ALCOHOL	2.422	59	172638	9.4947	PPBV	97
36) METHYL TERTIARY BUTYL ...	2.872	73	224297	12.2318	PPBV	98
37) TETRAHYDROFURAN	3.563	72	42541	12.1751	PPBV	97
38) HEXANE	3.328	57	179766	11.7771	PPBV	89
39) VINYL ACETATE	2.907	86	19989	11.9745	PPBV	93
40) 1,1-DICHLOROETHANE	2.836	63	173697	12.7715	PPBV	99
41) METHYL ETHYL KETONE	3.004	72	46053	12.3811	PPBV	96
42) CIS-1,2-DICHLOROETHENE	3.200	96	89324	11.5402	PPBV	97
43) DIISOPROPYL ETHER	3.332	59	49620	12.4932	PPBV	90
44) ETHYL ACETATE	3.338	61	35951	12.3244	PPBV	81
45) METHYL ACRYLATE	3.325	55	209227	12.5142	PPBV #	26
46) CHLOROFORM	3.348	83	170603	10.8983	PPBV	96
47) 2,4-DIMETHYLPENTANE	3.843	57	208245	12.7539	PPBV	98
48) 1,1,1-TRICHLOROETHANE	3.920	97	164373	11.5349	PPBV	97
49) CARBON TETRACHLORIDE	4.341	117	167938	12.0060	PPBV	98

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\07 November 2024\v7w379\
Data File : 7w10301.d
Acq On : 6 Nov 2024 10:21 am
Operator : thomash
Sample : bsd Inst : MS7W
Misc : MS86666,v7w379,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 07 00:52:20 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	3.756	62	128929	10.8596	PPBV		99
51)	BENZENE	4.232	78	272035	11.8082	PPBV		98
53)	CYCLOHEXANE	4.441	84	117524	11.7926	PPBV		90
54)	2,3-DIMETHYLPENTANE	4.695	71	64106	12.5610	PPBV		95
55)	TRICHLOROETHENE	5.126	95	117003	10.8268	PPBV		99
56)	1,2-DICHLOROPROPANE	4.894	63	119831	12.4646	PPBV		95
57)	DIBROMOMETHANE	4.856	174	97631	10.7661	PPBV		95
58)	ETHYL ACRYLATE	5.013	55	258323	12.5167	PPBV		99
59)	BROMODICHLOROMETHANE	5.074	83	185916	11.2106	PPBV		99
60)	2,2,4-TRIMETHYLPENTANE	5.222	57	562540	12.3167	PPBV		98
61)	1,4-DIOXANE	5.151	88	66401	11.2267	PPBV	#	95
62)	HEPTANE	5.540	43	194436	12.1268	PPBV		98
63)	METHYL METHACRYLATE	5.438	69	105892	12.2680	PPBV		97
64)	METHYL ISOBUTYL KETONE	6.177	58	111353	11.2817	PPBV		91
65)	CIS-1,3-DICHLOROPROPENE	6.065	75	157594	12.7911	PPBV		88
66)	TOLUENE	7.270	91	328090	10.9285	PPBV		100
67)	1,3-DICHLOROPROPANE	7.325	76	165455	11.2175	PPBV		100
68)	TRANS-1,3-DICHLOROPROPENE	6.740	75	128991	12.7631	PPBV		87
69)	1,1,2-TRICHLOROETHANE	6.901	83	94854	11.5565	PPBV		98
70)	2-HEXANONE	7.849	58	157600	10.4620	PPBV		89
71)	ETHYL METHACRYLATE	7.971	69	173719	12.1702	PPBV		95
72)	TETRACHLOROETHENE	8.994	164	119162	11.1087	PPBV		98
73)	DIBROMOCHLOROMETHANE	7.804	129	181111	11.5184	PPBV		100
74)	1,2-DIBROMOETHANE	8.138	107	170072	11.7619	PPBV		99
75)	OCTANE	9.145	43	267279	11.0820	PPBV		98
77)	1,1,1,2-TETRACHLOROETHANE	10.212	131	130708	11.8840	PPBV		95
78)	CHLOROBENZENE	10.199	112	257327	10.3658	PPBV		99
79)	ETHYLBENZENE	11.084	91	431151	10.5952	PPBV		98
80)	M,P-XYLENE	11.514	91	658914	20.4994	PPBV		99
81)	O-XYLENE	12.444	91	335200	10.3870	PPBV		100
82)	STYRENE	12.228	104	261312	11.1916	PPBV		98
83)	NONANE	13.566	43	277555	10.8752	PPBV		95
84)	BROMOFORM	11.322	173	164292	11.7726	PPBV		99
85)	1,1,2,2-TETRACHLOROETHANE	12.453	83	247173	10.8741	PPBV		98
86)	1,2,3-TRICHLOROPROPANE	12.736	75	191471	10.4309	PPBV		100
88)	ISOPROPYLBENZENE	13.958	120	126439	10.3440	PPBV		95
89)	BROMOBENZENE	13.823	77	234228	10.1290	PPBV		98
90)	2-CHLOROTOLUENE	14.955	126	112034	9.9979	PPBV		99
91)	N-PROPYLBENZENE	15.292	120	131707	10.4642	PPBV		99
92)	4-ETHYLTOLUENE	15.739	105	486164	10.9098	PPBV		99
93)	1,3,5-TRIMETHYLBENZENE	15.997	105	391683	10.4464	PPBV		99
94)	ALPHA-METHYLSTYRENE	16.270	118	197794	9.9278	PPBV		100
95)	TERT-BUTYLBENZENE	16.572	134	93923	10.4717	PPBV		95
96)	1,2,4-TRIMETHYLBENZENE	16.579	105	405590	10.3513	PPBV		99
97)	BENZYL CHLORIDE	16.669	91	229895	20.1627	PPBV		98
98)	M-DICHLOROBENZENE	16.640	146	265683	10.1603	PPBV		98
99)	P-DICHLOROBENZENE	16.730	146	270019	10.4112	PPBV		98
100)	O-DICHLOROBENZENE	17.045	146	252169	10.0699	PPBV		98
101)	SEC-BUTYLBENZENE	16.874	134	118899	10.5328	PPBV		94
102)	1,2,3-TRIMETHYLBENZENE	16.993	105	389415	9.8165	PPBV		99
103)	P-ISOPROPYLTOLUENE	17.064	134	128329	10.1877	PPBV		95
104)	N-BUTYLBENZENE	17.427	134	129087	10.3242	PPBV		92
105)	HEXACHLOROETHANE	17.604	117	146474	12.0710	PPBV		95
106)	HEXACHLOROBUTADIENE	18.662	225	201713	10.7210	PPBV		99
107)	1,2,4-TRICHLOROBENZENE	18.350	180	256863	10.2467	PPBV		99
108)	NAPHTHALENE	18.398	128	592835	9.0519	PPBV		100
110)	TVHC as equiv Pentane	2.312	TIC	494716	10.1916	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\07 November 2024\v7w379\
Data File : 7w10301.d
Acq On : 6 Nov 2024 10:21 am
Operator : thomash
Sample : bsd Inst : MS7W
Misc : MS86666,v7w379,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 07 00:52:20 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

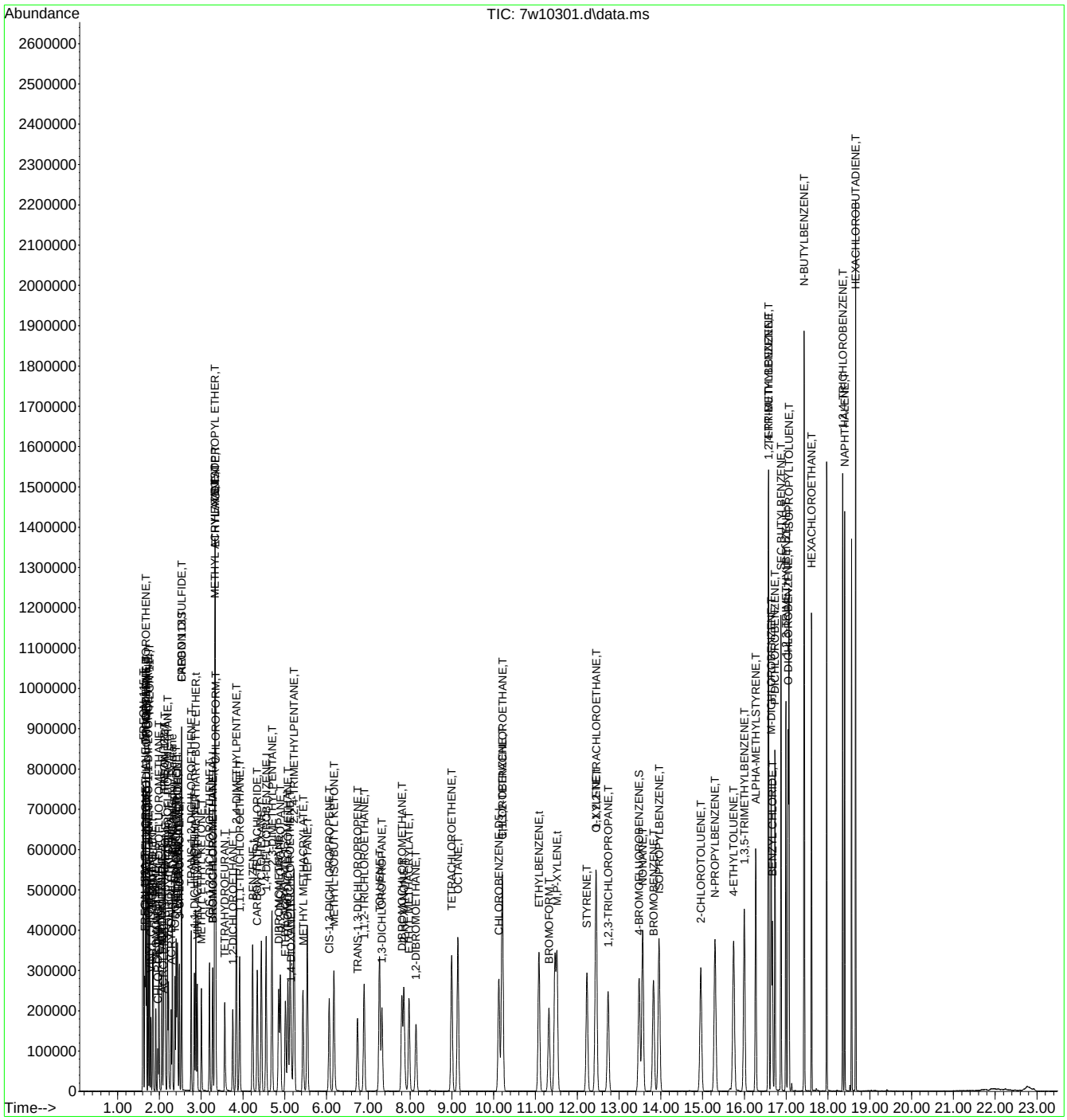
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\07 November 2024\v7w379\
Data File : 7w10301.d
Acq On : 6 Nov 2024 10:21 am
Operator : thomash
Sample : bsd Inst : MS7W
Misc : MS86666,v7w379,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 07 00:52:20 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 11/19/24 11:36

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10577.D
Acq On : 18 Nov 2024 10:11 am
Operator : bkim
Sample : bs Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:53:13 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.274	128	59927	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.554	114	307732	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.123	117	281115	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.274	128	59927	10.00	PPBV	0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.476	95	190904	9.26	PPBV	0.00
Target Compounds						Qvalue
2) FREON 115	1.618	119	110512	14.3793	PPBV	96
3) FREON 152A	1.650	65	59070	14.2378	PPBV	88
4) CHLORODIFLUOROMETHANE	1.663	67	22970	11.4809	PPBV	99
5) CHLOROTRIFLUOROETHENE	1.676	116	122529	12.6008	PPBV	73
6) DICHLORODIFLUOROMETHANE	1.692	85	255544	10.6343	PPBV	96
7) PROPYLENE	1.670	41	76743	13.3660	PPBV	97
8) 1-CHLORO-1,1-DIFLUOROE...	1.731	65	172937	8.5955	PPBV	93
9) FREON 114	1.766	85	217219	10.6265	PPBV	95
10) CHLOROMETHANE	1.734	52	27200	8.7390	PPBV	94
11) VINYL CHLORIDE	1.798	62	99503	10.3978	PPBV	99
12) 1,3-BUTADIENE	1.837	54	80190	10.3069	PPBV	85
13) N-BUTANE	1.853	43	127768	8.9925	PPBV	96
14) BROMOMETHANE	1.914	94	78281	10.2297	PPBV	99
15) CHLOROETHANE	1.962	64	51878	10.5850	PPBV	91
16) DICHLOROFLUOROMETHANE	1.988	67	189308	10.1065	PPBV	97
17) ACETONITRILE	2.059	41	77908	8.3740	PPBV	98
18) ACROLEIN	2.097	56	44203	9.4636	PPBV	96
19) FREON 123	2.113	83	201252	10.5734	PPBV	98
20) FREON 123A	2.129	117	125238	11.4705	PPBV	91
21) TRICHLOROFLUOROMETHANE	2.194	101	215086	9.9812	PPBV	98
22) ISOPROPYL ALCOHOL	2.219	45	177899	8.7647	PPBV	96
23) ACETONE	2.139	58	53254	9.6274	PPBV	66
24) PENTANE	2.313	42	90696	8.7967	PPBV	92
25) IODOMETHANE	2.374	142	225162	12.1131	PPBV	89
26) 1,1-DICHLOROETHYLENE	2.400	96	86229	10.7533	PPBV	85
27) CARBON DISULFIDE	2.535	76	224756m	9.6177	PPBV	
28) ETHANOL	1.998	45	49449	8.9163	PPBV	98
29) BROMOETHENE	2.065	106	83471	11.4058	PPBV #	97
30) ACRYLONITRILE	2.281	52	69775	9.2744	PPBV	96
31) METHYLENE CHLORIDE	2.438	84	75329	9.1274	PPBV	80
32) 3-CHLOROPROPENE	2.480	76	39694	9.3992	PPBV #	62
33) FREON 113	2.535	151	140140	11.1049	PPBV	89
34) TRANS-1,2-DICHLOROETHENE	2.763	96	91287	11.6726	PPBV	99
35) TERTIARY BUTYL ALCOHOL	2.422	59	176592	9.0639	PPBV	92
36) METHYL TERTIARY BUTYL ...	2.872	73	239170	12.1723	PPBV	98
37) TETRAHYDROFURAN	3.563	72	45330	12.1074	PPBV	96
38) HEXANE	3.329	57	186212	11.3851	PPBV	88
39) VINYL ACETATE	2.908	86	21657	12.1078	PPBV	77
40) 1,1-DICHLOROETHANE	2.837	63	181698	12.4681	PPBV	99
41) METHYL ETHYL KETONE	3.004	72	48800	12.2439	PPBV	89
42) CIS-1,2-DICHLOROETHENE	3.200	96	94849	11.4360	PPBV	100
43) DIISOPROPYL ETHER	3.335	59	52672	12.3764	PPBV	84
44) ETHYL ACETATE	3.338	61	36929	11.8146	PPBV	78
45) METHYL ACRYLATE	3.322	55	215839	12.0480	PPBV #	26
46) CHLOROFORM	3.348	83	181569	10.8246	PPBV	95
47) 2,4-DIMETHYLPENTANE	3.843	57	215745	12.3313	PPBV	98
48) 1,1,1-TRICHLOROETHANE	3.920	97	178620	11.6980	PPBV	96
49) CARBON TETRACHLORIDE	4.342	117	186476	12.4415	PPBV	98

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10577.D
Acq On : 18 Nov 2024 10:11 am
Operator : bkim
Sample : bs Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:53:13 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	3.756	62	135176	10.6258	PPBV		99
51)	BENZENE	4.229	78	285064	11.5478	PPBV		97
53)	CYCLOHEXANE	4.438	84	123825	11.3925	PPBV		93
54)	2,3-DIMETHYLPENTANE	4.695	71	66437	11.9361	PPBV		93
55)	TRICHLOROETHENE	5.129	95	124837	10.5919	PPBV		96
56)	1,2-DICHLOROPROPANE	4.898	63	126622	12.0766	PPBV		94
57)	DIBROMOMETHANE	4.856	174	110137	11.1361	PPBV		91
58)	ETHYL ACRYLATE	5.017	55	267872	11.9010	PPBV		99
59)	BROMODICHLOROMETHANE	5.075	83	198539	10.9770	PPBV		99
60)	2,2,4-TRIMETHYLPENTANE	5.223	57	587587	11.7962	PPBV		98
61)	1,4-DIOXANE	5.155	88	68433	10.6089	PPBV	#	93
62)	HEPTANE	5.541	43	196653	11.2460	PPBV		98
63)	METHYL METHACRYLATE	5.435	69	110695	11.7588	PPBV		93
64)	METHYL ISOBUTYL KETONE	6.174	58	116018	10.7777	PPBV		88
65)	CIS-1,3-DICHLOROPROPENE	6.065	75	167663	12.4777	PPBV		86
66)	TOLUENE	7.268	91	346089	10.5702	PPBV		100
67)	1,3-DICHLOROPROPANE	7.325	76	172835	10.7442	PPBV		100
68)	TRANS-1,3-DICHLOROPROPENE	6.740	75	139504	12.6564	PPBV		85
69)	1,1,2-TRICHLOROETHANE	6.895	83	101053	11.2887	PPBV		98
70)	2-HEXANONE	7.853	58	162743	9.9058	PPBV		86
71)	ETHYL METHACRYLATE	7.972	69	180957	11.6239	PPBV		93
72)	TETRACHLOROETHENE	8.994	164	134599	11.5053	PPBV		97
73)	DIBROMOCHLOROMETHANE	7.801	129	200804	11.7098	PPBV		99
74)	1,2-DIBROMOETHANE	8.142	107	183640	11.6450	PPBV		99
75)	OCTANE	9.142	43	271332	10.3153	PPBV		98
77)	1,1,1,2-TETRACHLOROETHANE	10.210	131	143846	11.9311	PPBV		93
78)	CHLOROBENZENE	10.200	112	278592	10.2378	PPBV		100
79)	ETHYLBENZENE	11.081	91	457220	10.2501	PPBV		97
80)	M,P-XYLENE	11.508	91	703381	19.9630	PPBV		100
81)	O-XYLENE	12.441	91	355250	10.0425	PPBV		99
82)	STYRENE	12.229	104	278357	10.8757	PPBV		97
83)	NONANE	13.563	43	279616	9.9947	PPBV		93
84)	BROMOFORM	11.322	173	187082	12.2296	PPBV		99
85)	1,1,2,2-TETRACHLOROETHANE	12.454	83	261976	10.5142	PPBV		98
86)	1,2,3-TRICHLOROPROPANE	12.737	75	201971	10.0376	PPBV		100
88)	ISOPROPYLBENZENE	13.955	120	136930	10.2194	PPBV		94
89)	BROMOBENZENE	13.823	77	246840	9.7379	PPBV		94
90)	2-CHLOROTOLUENE	14.952	126	122323	9.9584	PPBV		99
91)	N-PROPYLBENZENE	15.293	120	142602	10.3358	PPBV		100
92)	4-ETHYLTOLUENE	15.743	105	514233	10.5272	PPBV		100
93)	1,3,5-TRIMETHYLBENZENE	15.994	105	421583	10.2573	PPBV		99
94)	ALPHA-METHYLSTYRENE	16.270	118	216053	9.8929	PPBV		98
95)	TERT-BUTYLBENZENE	16.569	134	102644	10.4400	PPBV		95
96)	1,2,4-TRIMETHYLBENZENE	16.579	105	435406	10.1374	PPBV		99
97)	BENZYL CHLORIDE	16.669	91	258850	20.7104	PPBV		98
98)	M-DICHLOROBENZENE	16.640	146	294616	10.2783	PPBV		97
99)	P-DICHLOROBENZENE	16.730	146	299214	10.5247	PPBV		97
100)	O-DICHLOROBENZENE	17.042	146	280983	10.2361	PPBV		96
101)	SEC-BUTYLBENZENE	16.872	134	129277	10.4474	PPBV		92
102)	1,2,3-TRIMETHYLBENZENE	16.991	105	420338	9.6664	PPBV		99
103)	P-ISOPROPYLTOLUENE	17.061	134	140956	10.2084	PPBV		93
104)	N-BUTYLBENZENE	17.421	134	141251	10.3059	PPBV		88
105)	HEXACHLOROETHANE	17.598	117	159980	12.0274	PPBV		96
106)	HEXACHLOROBUTADIENE	18.646	225	225111	10.9149	PPBV		99
107)	1,2,4-TRICHLOROBENZENE	18.338	180	276617	10.0666	PPBV		100
108)	NAPHTHALENE	18.386	128	639531	8.9082	PPBV		100
110)	TVHC as equiv Pentane	2.313	TIC	439346	8.4468	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10577.D
Acq On : 18 Nov 2024 10:11 am
Operator : bkim
Sample : bs Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:53:13 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

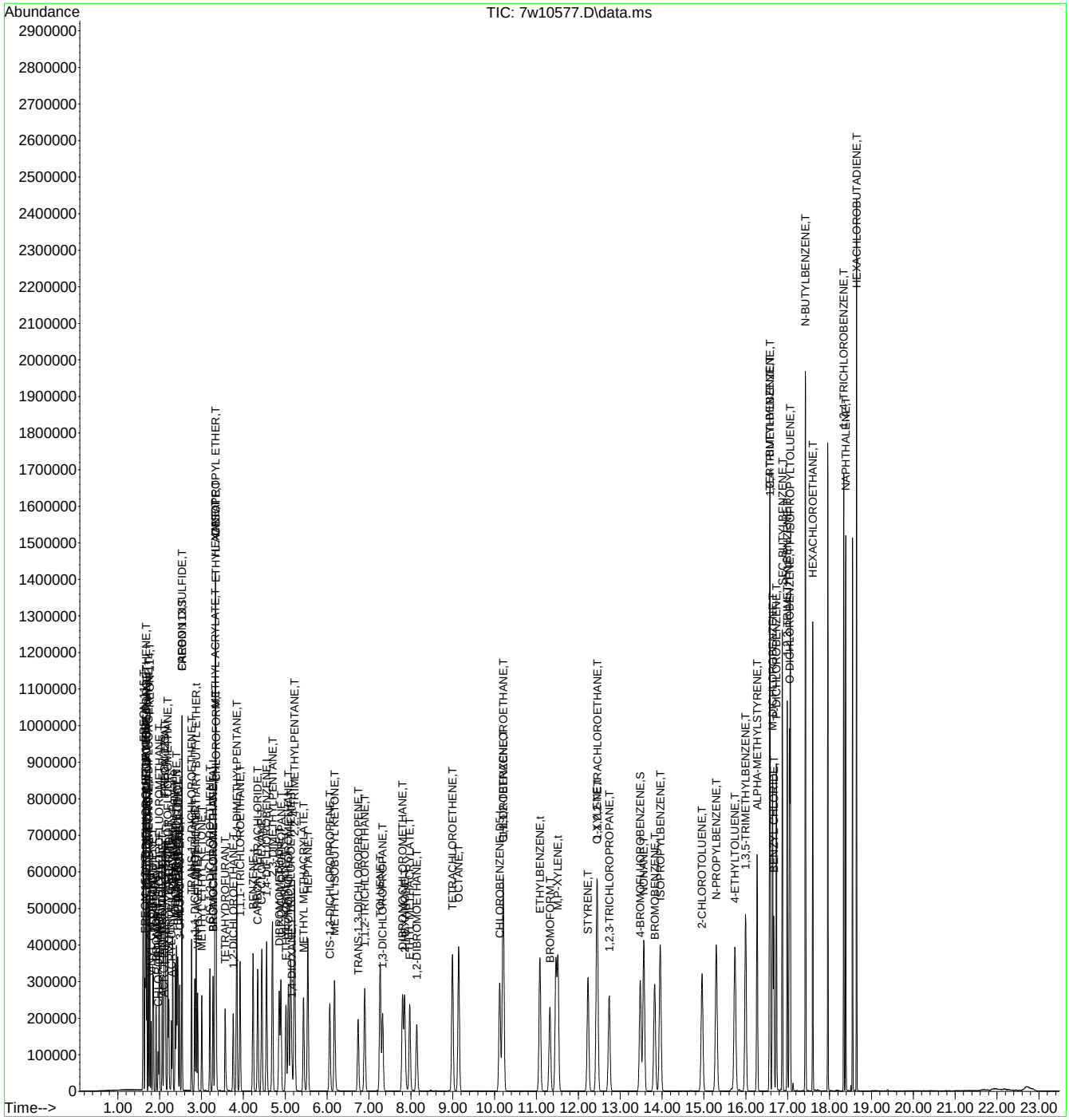
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10577.D
Acq On : 18 Nov 2024 10:11 am
Operator : bkim
Sample : bs Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:53:13 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



Manual Integration Approval Summary

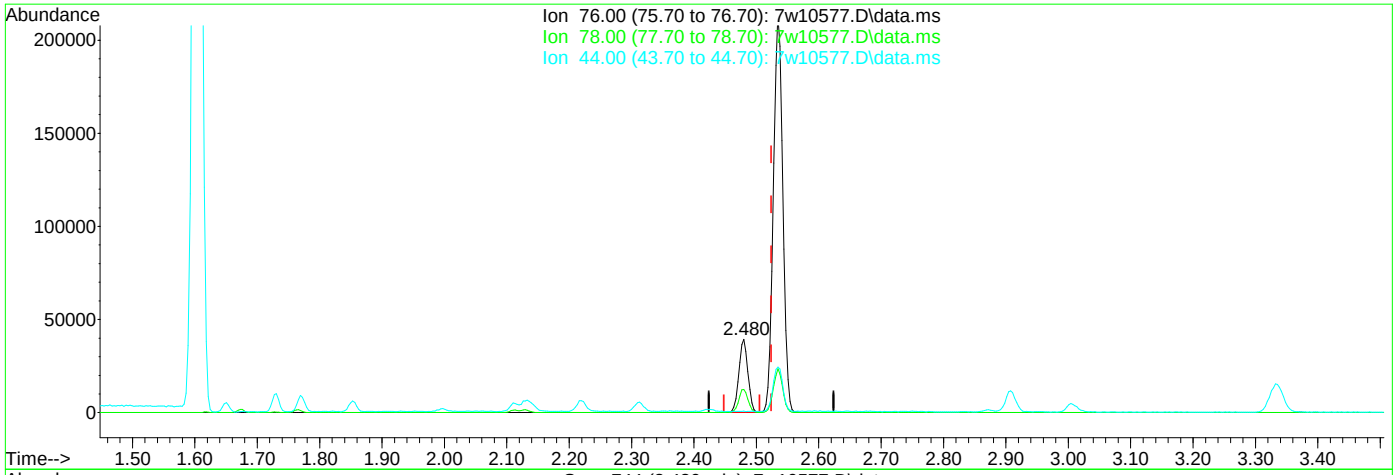
Sample Number: V7W387-BS
Lab FileID: 7W10577.D
Injection Time: 11/18/24 10:11
Method: TO-15
Analyst approved: 11/19/24 00:49 Lucky Carandang
Supervisor approved: 11/19/24 11:36 Kanya Veerawat

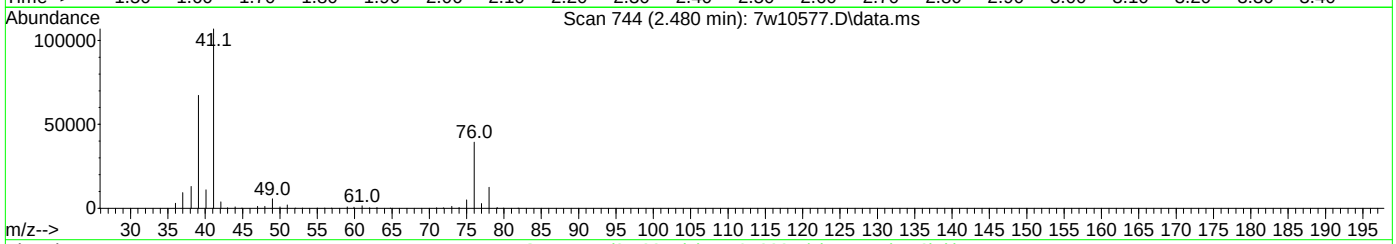
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon disulfide	75-15-0		2.53	Missed peak

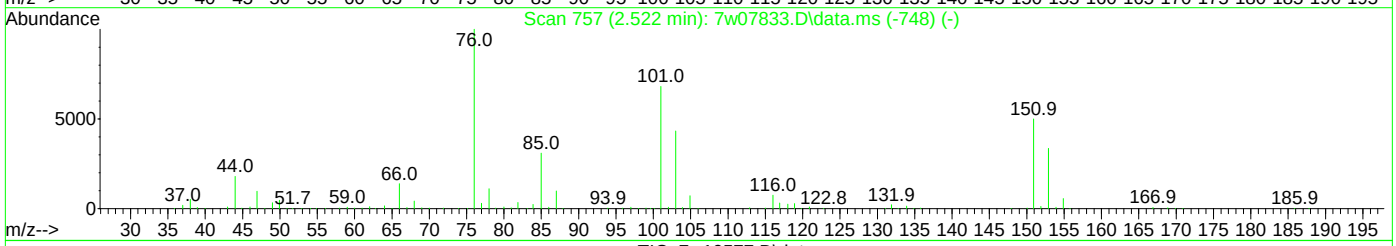
Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10577.D
Acq On : 18 Nov 2024 10:11 am
Operator : bkim
Sample : bs Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:26:01 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration







TIC: 7w10577.D\data.ms

(27) CARBON DISULFIDE (T)

2.480min (-0.044) 1.70PPBV

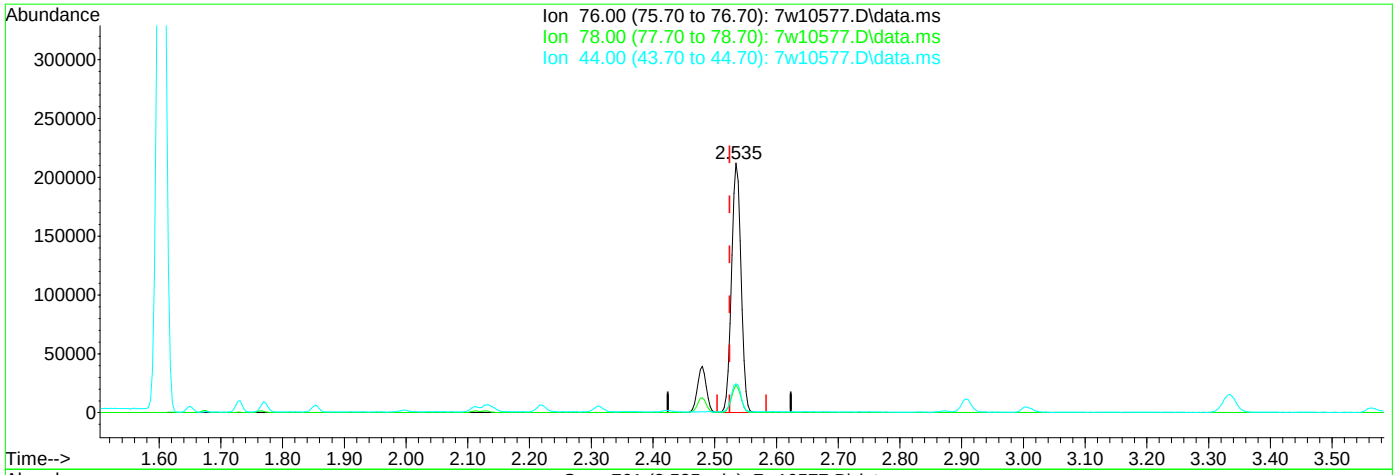
response 39710

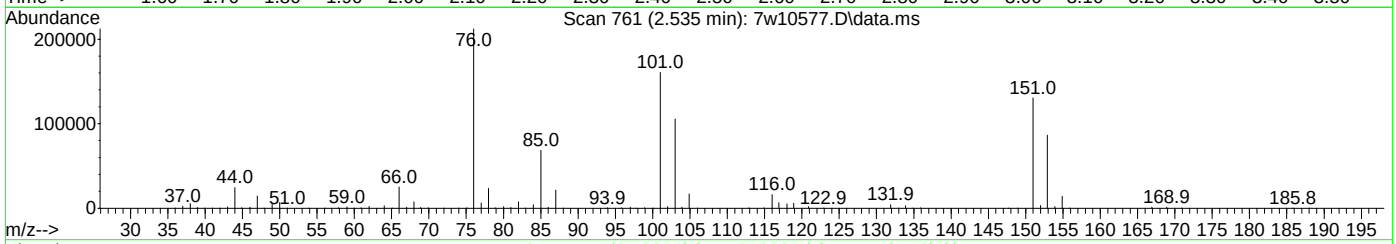
Ion	Exp%	Act%
76.00	100	100
78.00	11.40	32.64#
44.00	19.10	0.64#
0.00	0.00	0.00

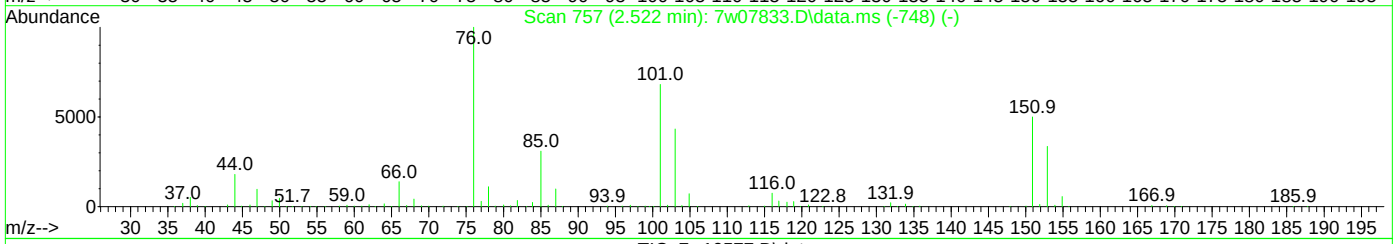
Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10577.D
Acq On : 18 Nov 2024 10:11 am
Operator : bkim
Sample : bs Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:26:01 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration







TIC: 7w10577.D\data.ms

(27) CARBON DISULFIDE (T)

2.535min (+0.011) 9.62PPBV m

response 224756

Ion	Exp%	Act%
76.00	100	100
78.00	11.40	5.77#
44.00	19.10	0.11#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10578.D
Acq On : 18 Nov 2024 10:46 am
Operator : bkim
Sample : bsd Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:26:23 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.277	128	59448	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.553	114	304227	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.122	117	275746	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.277	128	59448	10.00	PPBV	0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.479	95	190632	9.42	PPBV	0.00
Target Compounds						Qvalue
2) FREON 115	1.621	119	112227	14.7201	PPBV	97
3) FREON 152A	1.650	65	57446	13.9579	PPBV	84
4) CHLORODIFLUOROMETHANE	1.663	67	21726	10.9466	PPBV	97
5) CHLOROTRIFLUOROETHENE	1.676	116	126112	13.0738	PPBV	69
6) DICHLORODIFLUOROMETHANE	1.692	85	252623	10.5975	PPBV	94
7) PROPYLENE	1.672	41	67225	11.8027	PPBV	97
8) 1-CHLORO-1,1-DIFLUOROE...	1.730	65	168232	8.4290	PPBV	92
9) FREON 114	1.766	85	219573	10.8282	PPBV	94
10) CHLOROMETHANE	1.737	52	24803	8.0331	PPBV	91
11) VINYL CHLORIDE	1.798	62	95931	10.1053	PPBV	99
12) 1,3-BUTADIENE	1.836	54	74674	9.6753	PPBV	84
13) N-BUTANE	1.852	43	121165	8.5965	PPBV	95
14) BROMOMETHANE	1.914	94	78468	10.3368	PPBV	99
15) CHLOROETHANE	1.965	64	52103	10.7165	PPBV	95
16) DICHLOROFLUOROMETHANE	1.991	67	185911	10.0051	PPBV	97
17) ACETONITRILE	2.061	41	76003	8.2350	PPBV	99
18) ACROLEIN	2.100	56	44428	9.5884	PPBV	98
19) FREON 123	2.113	83	200054	10.5952	PPBV	99
20) FREON 123A	2.129	117	123450	11.3978	PPBV	92
21) TRICHLOROFLUOROMETHANE	2.197	101	210804	9.8613	PPBV	100
22) ISOPROPYL ALCOHOL	2.219	45	172563	8.5703	PPBV	96
23) ACETONE	2.139	58	53727	9.7912	PPBV	64
24) PENTANE	2.312	42	92167	9.0114	PPBV	92
25) IODOMETHANE	2.373	142	223797	12.1367	PPBV	89
26) 1,1-DICHLOROETHYLENE	2.402	96	84135	10.5767	PPBV	87
27) CARBON DISULFIDE	2.534	76	221254	9.5441	PPBV #	90
28) ETHANOL	1.997	45	46856	8.5168	PPBV	98
29) BROMOETHENE	2.068	106	82455	11.3578	PPBV #	97
30) ACRYLONITRILE	2.283	52	69892	9.3648	PPBV	96
31) METHYLENE CHLORIDE	2.438	84	74697	9.1237	PPBV	80
32) 3-CHLOROPROPENE	2.479	76	40349	9.6313	PPBV #	59
33) FREON 113	2.534	151	136726	10.9217	PPBV	89
34) TRANS-1,2-DICHLOROETHENE	2.762	96	90883	11.7146	PPBV	99
35) TERTIARY BUTYL ALCOHOL	2.425	59	175438	9.0773	PPBV	91
36) METHYL TERTIARY BUTYL ...	2.872	73	240324	12.3296	PPBV	97
37) TETRAHYDROFURAN	3.563	72	45290	12.1941	PPBV	94
38) HEXANE	3.328	57	184582	11.3764	PPBV	88
39) VINYL ACETATE	2.907	86	21094	11.8881	PPBV	84
40) 1,1-DICHLOROETHANE	2.836	63	180973	12.5184	PPBV	99
41) METHYL ETHYL KETONE	3.007	72	47682	12.0598	PPBV	90
42) CIS-1,2-DICHLOROETHENE	3.200	96	95006	11.5473	PPBV	99
43) DIISOPROPYL ETHER	3.335	59	52095	12.3395	PPBV	83
44) ETHYL ACETATE	3.338	61	36641	11.8170	PPBV	76
45) METHYL ACRYLATE	3.325	55	213749	12.0275	PPBV #	26
46) CHLOROFORM	3.351	83	181081	10.8825	PPBV	95
47) 2,4-DIMETHYLPENTANE	3.843	57	214369	12.3513	PPBV	99
48) 1,1,1-TRICHLOROETHANE	3.920	97	179286	11.8362	PPBV	95
49) CARBON TETRACHLORIDE	4.344	117	185073	12.4473	PPBV	99

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10578.D
Acq On : 18 Nov 2024 10:46 am
Operator : bkim
Sample : bsd Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:26:23 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50) 1,2-DICHLOROETHANE	3.759	62	133903	10.6105	PPBV		99
51) BENZENE	4.232	78	285053	11.6404	PPBV		96
53) CYCLOHEXANE	4.441	84	123486	11.4922	PPBV		93
54) 2,3-DIMETHYLPENTANE	4.695	71	66451	12.0762	PPBV		96
55) TRICHLOROETHENE	5.126	95	124532	10.6877	PPBV		96
56) 1,2-DICHLOROPROPANE	4.897	63	124852	12.0450	PPBV		95
57) DIBROMOMETHANE	4.856	174	110196	11.2704	PPBV		91
58) ETHYL ACRYLATE	5.016	55	264942	11.9064	PPBV		99
59) BROMODICHLOROMETHANE	5.074	83	197810	11.0627	PPBV		100
60) 2,2,4-TRIMETHYLPENTANE	5.222	57	581722	11.8130	PPBV		98
61) 1,4-DIOXANE	5.151	88	67881	10.6446	PPBV	#	95
62) HEPTANE	5.540	43	194597	11.2566	PPBV		97
63) METHYL METHACRYLATE	5.438	69	110949	11.9216	PPBV		92
64) METHYL ISOBUTYL KETONE	6.174	58	114615	10.7700	PPBV		88
65) CIS-1,3-DICHLOROPROPENE	6.065	75	167753	12.6282	PPBV		86
66) TOLUENE	7.267	91	347675	10.7410	PPBV		100
67) 1,3-DICHLOROPROPANE	7.328	76	171884	10.8082	PPBV		100
68) TRANS-1,3-DICHLOROPROPENE	6.740	75	139337	12.7869	PPBV		85
69) 1,1,2-TRICHLOROETHANE	6.897	83	100397	11.3447	PPBV		99
70) 2-HEXANONE	7.849	58	162687	10.0165	PPBV		86
71) ETHYL METHACRYLATE	7.974	69	179934	11.6913	PPBV		93
72) TETRACHLOROETHENE	8.997	164	135676	11.7309	PPBV		96
73) DIBROMOCHLOROMETHANE	7.801	129	199913	11.7921	PPBV		100
74) 1,2-DIBROMOETHANE	8.145	107	182986	11.7372	PPBV		100
75) OCTANE	9.142	43	268341	10.3191	PPBV		97
77) 1,1,1,2-TETRACHLOROETHANE	10.209	131	144815	12.2454	PPBV		92
78) CHLOROBENZENE	10.199	112	279014	10.4529	PPBV		100
79) ETHYLBENZENE	11.084	91	458943	10.4891	PPBV		96
80) M,P-XYLENE	11.514	91	712410	20.6129	PPBV		98
81) O-XYLENE	12.444	91	357163	10.2932	PPBV		98
82) STYRENE	12.228	104	284416	11.3288	PPBV		96
83) NONANE	13.563	43	247974	9.0363	PPBV		86
84) BROMOFORM	11.322	173	196785	13.1143	PPBV		99
85) 1,1,2,2-TETRACHLOROETHANE	12.453	83	261640	10.7052	PPBV		98
86) 1,2,3-TRICHLOROPROPANE	12.736	75	198044	10.0341	PPBV		100
88) ISOPROPYLBENZENE	13.958	120	142718	10.8588	PPBV		90
89) BROMOBENZENE	13.820	77	245227	9.8626	PPBV		90
90) 2-CHLOROTOLUENE	14.958	126	126461	10.4957	PPBV		98
91) N-PROPYLBENZENE	15.289	120	149258	11.0289	PPBV		99
92) 4-ETHYLTOLUENE	15.743	105	524683	10.9503	PPBV		99
93) 1,3,5-TRIMETHYLBENZENE	15.997	105	428738	10.6345	PPBV		98
94) ALPHA-METHYLSTYRENE	16.270	118	227883	10.6378	PPBV		98
95) TERT-BUTYLBENZENE	16.569	134	107149	11.1104	PPBV		92
96) 1,2,4-TRIMETHYLBENZENE	16.579	105	444260	10.5449	PPBV		98
97) BENZYL CHLORIDE	16.669	91	257782	21.0265	PPBV		96
98) M-DICHLOROBENZENE	16.640	146	311779	11.0889	PPBV		96
99) P-DICHLOROBENZENE	16.730	146	312888	11.2200	PPBV		96
100) O-DICHLOROBENZENE	17.042	146	299868	11.1368	PPBV		96
101) SEC-BUTYLBENZENE	16.871	134	133359	10.9871	PPBV		89
102) 1,2,3-TRIMETHYLBENZENE	16.990	105	431281	10.1111	PPBV		98
103) P-ISOPROPYLTOLUENE	17.064	134	147019	10.8548	PPBV		91
104) N-BUTYLBENZENE	17.421	134	143845	10.6995	PPBV		84
105) HEXACHLOROETHANE	17.598	117	161090	12.3466	PPBV		94
106) HEXACHLOROBUTADIENE	18.649	225	225577	11.1504	PPBV		99
107) 1,2,4-TRICHLOROBENZENE	18.341	180	279684	10.3764	PPBV		100
108) NAPHTHALENE	18.386	128	646041	9.1741	PPBV		100
110) TVHC as equiv Pentane	2.312	TIC	447566	8.6742	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10578.D
Acq On : 18 Nov 2024 10:46 am
Operator : bkim
Sample : bsd Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:26:23 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

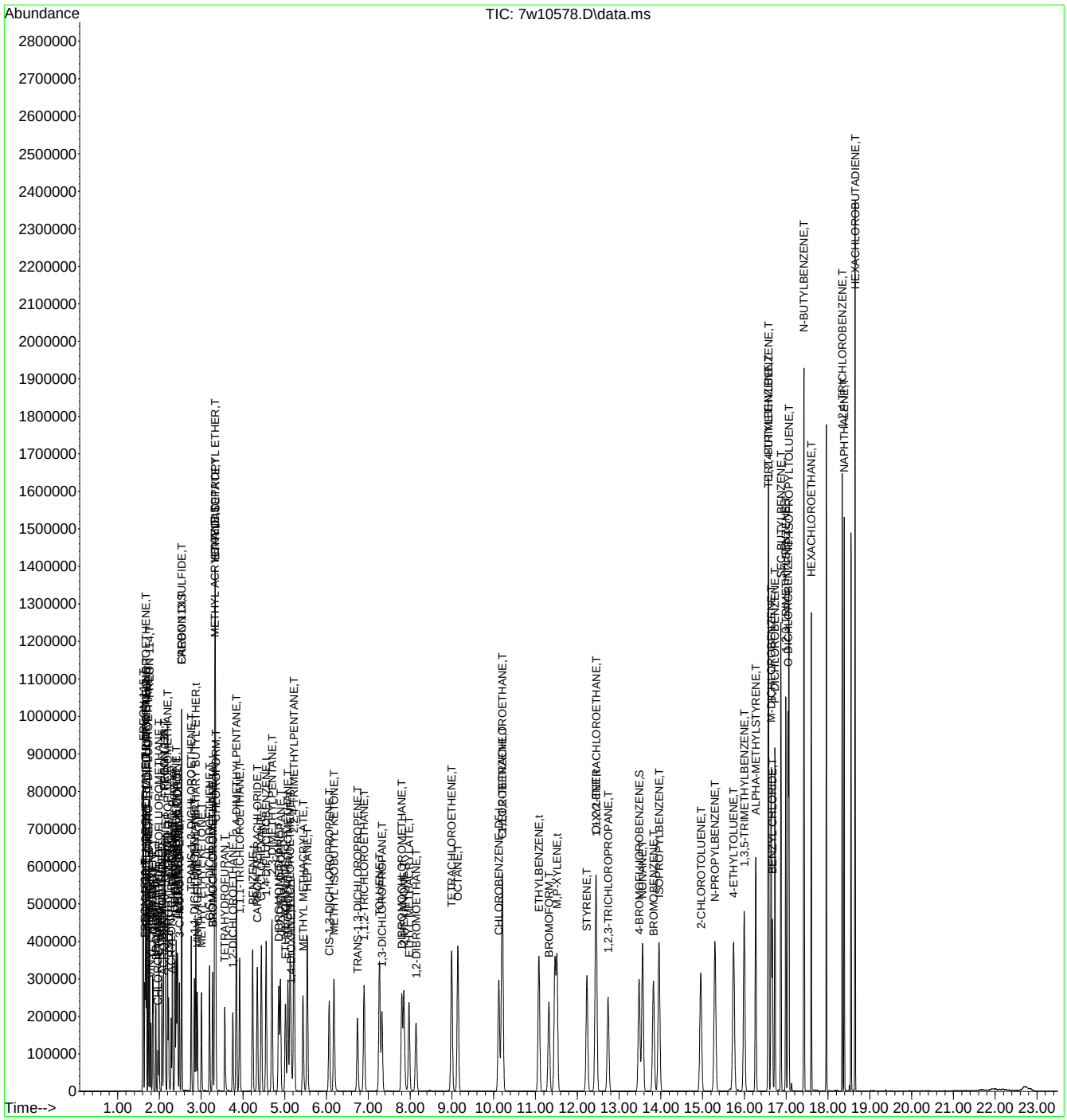
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10578.D
Acq On : 18 Nov 2024 10:46 am
Operator : bkim
Sample : bsd Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:26:23 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V7W392\
Data File : 7w10744.D
Acq On : 25 Nov 2024 9:50 am
Operator : williamc
Sample : bs Inst : MS7W
Misc : MS87372,v7w392,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 20:58:40 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.274	128	72768	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.553	114	382948	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.122	117	316986	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.274	128	72768	10.00	PPBV	0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.479	95	227554	9.79	PPBV	0.00
Target Compounds						Qvalue
2) FREON 115	1.621	119	126184	13.5212	PPBV	96
3) FREON 152A	1.650	65	65524	13.0064	PPBV	93
4) CHLORODIFLUOROMETHANE	1.663	67	28168	11.5945	PPBV	96
5) CHLOROTRIFLUOROETHENE	1.676	116	134871	11.4225	PPBV	86
6) DICHLORODIFLUOROMETHANE	1.692	85	315452	10.8108	PPBV	99
7) PROPYLENE	1.672	41	80877	11.6003	PPBV	99
8) 1-CHLORO-1,1-DIFLUOROE...	1.730	65	265409	10.8638	PPBV	97
9) FREON 114	1.766	85	286696	11.5504	PPBV	97
10) CHLOROMETHANE	1.737	52	39336	10.4080	PPBV	96
11) VINYL CHLORIDE	1.798	62	133813	11.5155	PPBV	100
12) 1,3-BUTADIENE	1.836	54	106307	11.2526	PPBV	94
13) N-BUTANE	1.853	43	187513	10.8686	PPBV	99
14) BROMOMETHANE	1.914	94	98008	10.5475	PPBV	99
15) CHLOROETHANE	1.965	64	66107	11.1080	PPBV	89
16) DICHLOROFLUOROMETHANE	1.988	67	248798	10.9386	PPBV	98
17) ACETONITRILE	2.058	41	104347	9.2366	PPBV	100
18) ACROLEIN	2.097	56	56353	9.9359	PPBV	99
19) FREON 123	2.110	83	246909	10.6830	PPBV	99
20) FREON 123A	2.129	117	139268	10.5046	PPBV	91
21) TRICHLOROFLUOROMETHANE	2.193	101	264243	10.0985	PPBV	99
22) ISOPROPYL ALCOHOL	2.219	45	237293	9.6279	PPBV	99
23) ACETONE	2.139	58	66012	9.8280	PPBV	84
24) PENTANE	2.312	42	126246	10.0840	PPBV	96
25) IODOMETHANE	2.373	142	243976	10.8091	PPBV	96
26) 1,1-DICHLOROETHYLENE	2.399	96	103685	10.6485	PPBV	93
27) CARBON DISULFIDE	2.531	76	312953	11.0286	PPBV	96
28) ETHANOL	1.997	45	68332	10.1469	PPBV	97
29) BROMOETHENE	2.065	106	97120	10.9291	PPBV	98
30) ACRYLONITRILE	2.280	52	90682	9.9263	PPBV	98
31) METHYLENE CHLORIDE	2.435	84	100386	10.0170	PPBV	94
32) 3-CHLOROPROPENE	2.476	76	56068	10.9336	PPBV	88
33) FREON 113	2.531	151	149829	9.7776	PPBV	92
34) TRANS-1,2-DICHLOROETHENE	2.759	96	101879	10.7282	PPBV	96
35) TERTIARY BUTYL ALCOHOL	2.422	59	251712	10.6398	PPBV	98
36) METHYL TERTIARY BUTYL ...	2.869	73	282521	11.8413	PPBV	98
37) TETRAHYDROFURAN	3.560	72	52317	11.5077	PPBV	93
38) HEXANE	3.325	57	212284	10.6888	PPBV	93
39) VINYL ACETATE	2.904	86	25650	11.8096	PPBV	75
40) 1,1-DICHLOROETHANE	2.833	63	218138	12.3272	PPBV	99
41) METHYL ETHYL KETONE	3.004	72	56445	11.6629	PPBV	87
42) CIS-1,2-DICHLOROETHENE	3.197	96	113336	11.2536	PPBV	100
43) DIISOPROPYL ETHER	3.332	59	60997	11.8034	PPBV	81
44) ETHYL ACETATE	3.338	61	43757	11.5288	PPBV	78
45) METHYL ACRYLATE	3.322	55	251871	11.5783	PPBV #	26
46) CHLOROFORM	3.344	83	228066	11.1973	PPBV	97
47) 2,4-DIMETHYLPENTANE	3.840	57	242883	11.4326	PPBV	99
48) 1,1,1-TRICHLOROETHANE	3.920	97	216676	11.6862	PPBV	97
49) CARBON TETRACHLORIDE	4.341	117	217532	11.9524	PPBV	97

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V7W392\
Data File : 7w10744.D
Acq On : 25 Nov 2024 9:50 am
Operator : williamc
Sample : bs Inst : MS7W
Misc : MS87372,v7w392,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 20:58:40 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50) 1,2-DICHLOROETHANE	3.756	62	169233	10.9554	PPBV		100
51) BENZENE	4.229	78	331480	11.0585	PPBV		97
53) CYCLOHEXANE	4.438	84	148223	10.9587	PPBV		99
54) 2,3-DIMETHYLPENTANE	4.692	71	77476	11.1854	PPBV		100
55) TRICHLOROETHENE	5.126	95	151444	10.3256	PPBV		99
56) 1,2-DICHLOROPROPANE	4.894	63	143500	10.9982	PPBV		96
57) DIBROMOMETHANE	4.852	174	130402	10.5954	PPBV		95
58) ETHYL ACRYLATE	5.013	55	303595	10.8388	PPBV		99
59) BROMODICHLOROMETHANE	5.071	83	247135	10.9801	PPBV		100
60) 2,2,4-TRIMETHYLPENTANE	5.222	57	656851	10.5967	PPBV		98
61) 1,4-DIOXANE	5.148	88	80000	9.9662	PPBV	#	96
62) HEPTANE	5.537	43	216836	9.9647	PPBV		95
63) METHYL METHACRYLATE	5.434	69	130131	11.1084	PPBV		93
64) METHYL ISOBUTYL KETONE	6.174	58	132769	9.9113	PPBV		90
65) CIS-1,3-DICHLOROPROPENE	6.061	75	200423	11.9861	PPBV		91
66) TOLUENE	7.264	91	404305	9.9228	PPBV		100
67) 1,3-DICHLOROPROPANE	7.325	76	207925	10.3868	PPBV		100
68) TRANS-1,3-DICHLOROPROPENE	6.740	75	168558	12.2887	PPBV		90
69) 1,1,2-TRICHLOROETHANE	6.897	83	122608	11.0065	PPBV		98
70) 2-HEXANONE	7.846	58	184199	9.0096	PPBV		91
71) ETHYL METHACRYLATE	7.971	69	212394	10.9635	PPBV		95
72) TETRACHLOROETHENE	8.994	164	159732	10.9718	PPBV		97
73) DIBROMOCHLOROMETHANE	7.798	129	233469	10.9405	PPBV		100
74) 1,2-DIBROMOETHANE	8.138	107	224023	11.4156	PPBV		98
75) OCTANE	9.138	43	302650	9.2460	PPBV		95
77) 1,1,1,2-TETRACHLOROETHANE	10.212	131	173606	12.7700	PPBV		96
78) CHLOROBENZENE	10.196	112	332741	10.8440	PPBV		100
79) ETHYLBENZENE	11.084	91	530999	10.5570	PPBV		96
80) M,P-XYLENE	11.505	91	818572	20.6032	PPBV		99
81) O-XYLENE	12.441	91	417664	10.4708	PPBV		98
82) STYRENE	12.225	104	322768	11.1838	PPBV		98
83) NONANE	13.563	43	321867	10.2031	PPBV		93
84) BROMOFORM	11.318	173	204791	11.8723	PPBV		100
85) 1,1,2,2-TETRACHLOROETHANE	12.453	83	325689	11.5921	PPBV		100
86) 1,2,3-TRICHLOROPROPANE	12.740	75	245814	10.8341	PPBV		100
88) ISOPROPYLBENZENE	13.955	120	164743	10.9038	PPBV		96
89) BROMOBENZENE	13.820	77	297259	10.3999	PPBV		97
90) 2-CHLOROTOLUENE	14.952	126	147645	10.6596	PPBV		99
91) N-PROPYLBENZENE	15.296	120	171928	11.0512	PPBV		99
92) 4-ETHYLTOLUENE	15.739	105	606755	11.0157	PPBV		99
93) 1,3,5-TRIMETHYLBENZENE	15.993	105	496783	10.7192	PPBV		97
94) ALPHA-METHYLSTYRENE	16.270	118	253768	10.3049	PPBV		99
95) TERT-BUTYLBENZENE	16.569	134	126733	11.4314	PPBV		93
96) 1,2,4-TRIMETHYLBENZENE	16.579	105	525402	10.8484	PPBV		98
97) BENZYL CHLORIDE	16.669	91	306225	21.7283	PPBV		97
98) M-DICHLOROBENZENE	16.640	146	349431	10.8111	PPBV		98
99) P-DICHLOROBENZENE	16.730	146	352985	11.0111	PPBV		98
100) O-DICHLOROBENZENE	17.045	146	334301	10.8003	PPBV		98
101) SEC-BUTYLBENZENE	16.874	134	159334	11.4193	PPBV		91
102) 1,2,3-TRIMETHYLBENZENE	16.990	105	507649	10.3532	PPBV		98
103) P-ISOPROPYLTOLUENE	17.064	134	173553	11.1468	PPBV		93
104) N-BUTYLBENZENE	17.424	134	175339	11.3453	PPBV		90
105) HEXACHLOROETHANE	17.604	117	192204	12.8148	PPBV		94
106) HEXACHLOROBUTADIENE	18.659	225	274155	11.7886	PPBV		99
107) 1,2,4-TRICHLOROBENZENE	18.347	180	340220	10.9802	PPBV		99
108) NAPHTHALENE	18.395	128	782109	9.6614	PPBV		100
110) TVHC as equiv Pentane	2.312	TIC	609787	9.6549	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V7W392\
Data File : 7w10744.D
Acq On : 25 Nov 2024 9:50 am
Operator : williamc
Sample : bs Inst : MS7W
Misc : MS87372,v7w392,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 20:58:40 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

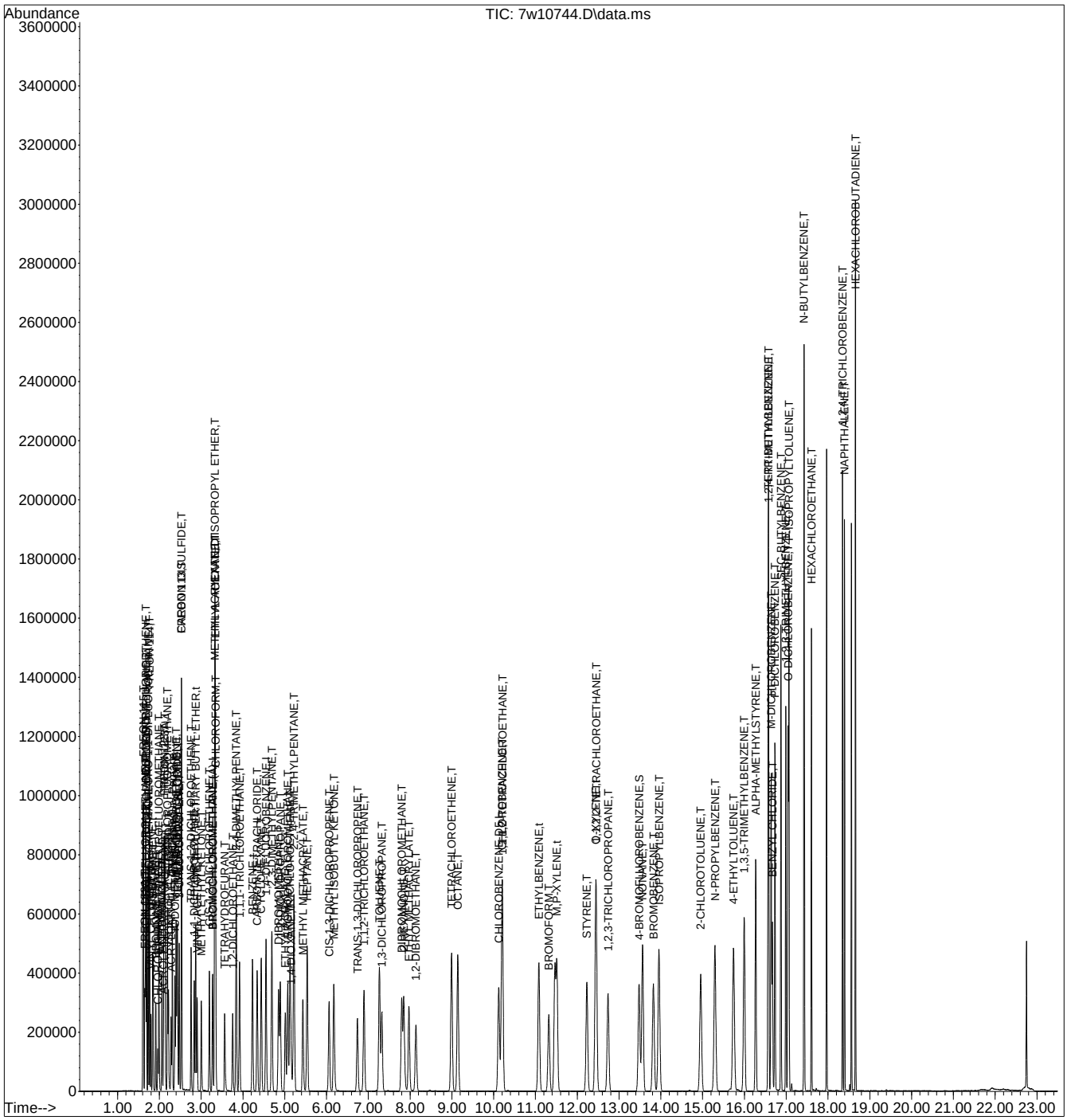
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V7W392\
Data File : 7w10744.D
Acq On : 25 Nov 2024 9:50 am
Operator : williamc
Sample : bs Inst : MS7W
Misc : MS87372,v7w392,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 20:58:40 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 11/25/24 17:07

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V7W392\
Data File : 7w10745.D
Acq On : 25 Nov 2024 10:26 am
Operator : williamc
Sample : bsd Inst : MS7W
Misc : MS87372,v7w392,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 21:30:46 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
	Internal Standards							
1)	BROMOCHLOROMETHANE	3.274	128	73571	10.00	PPBV		0.00
52)	1,4-DIFLUOROBENZENE	4.553	114	390728	10.00	PPBV		0.00
76)	CHLOROBENZENE-D5	10.122	117	328697	10.00	PPBV		0.00
109)	BROMOCHLOROMETHANE (A)	3.274	128	73571	10.00	PPBV		0.00
	System Monitoring Compounds							
87)	4-BROMOFLUOROBENZENE	13.476	95	238015	9.87	PPBV		0.00
	Target Compounds							Qvalue
2)	FREON 115	1.621	119	126767	13.4354	PPBV		97
3)	FREON 152A	1.650	65	64072	12.5794	PPBV		94
4)	CHLORODIFLUOROMETHANE	1.663	67	27910	11.3629	PPBV		96
5)	CHLOROTRIFLUOROETHENE	1.676	116	134953	11.3047	PPBV		85
6)	DICHLORODIFLUOROMETHANE	1.692	85	312492	10.5925	PPBV		98
7)	PROPYLENE	1.673	41	78101	11.0799	PPBV		99
8)	1-CHLORO-1,1-DIFLUOROE...	1.730	65	261180	10.5740	PPBV		97
9)	FREON 114	1.766	85	287471	11.4552	PPBV		97
10)	CHLOROMETHANE	1.737	52	37526	9.8207	PPBV		97
11)	VINYL CHLORIDE	1.798	62	131592	11.2008	PPBV		99
12)	1,3-BUTADIENE	1.837	54	102140	10.6935	PPBV		95
13)	N-BUTANE	1.853	43	182502	10.4627	PPBV		99
14)	BROMOMETHANE	1.914	94	96480	10.2698	PPBV		98
15)	CHLOROETHANE	1.965	64	64033	10.6421	PPBV		89
16)	DICHLOROFLUOROMETHANE	1.988	67	243023	10.5681	PPBV		99
17)	ACETONITRILE	2.058	41	102241	8.9514	PPBV		100
18)	ACROLEIN	2.097	56	54358	9.4795	PPBV		99
19)	FREON 123	2.110	83	246615	10.5538	PPBV		99
20)	FREON 123A	2.129	117	140717	10.4980	PPBV		96
21)	TRICHLOROFLUOROMETHANE	2.193	101	261134	9.8707	PPBV		100
22)	ISOPROPYL ALCOHOL	2.219	45	232396	9.3262	PPBV		99
23)	ACETONE	2.139	58	63944	9.4162	PPBV		84
24)	PENTANE	2.309	42	121088	9.5664	PPBV		97
25)	IODOMETHANE	2.370	142	245857	10.7736	PPBV		96
26)	1,1-DICHLOROETHYLENE	2.399	96	105886	10.7558	PPBV		97
27)	CARBON DISULFIDE	2.531	76	305632m	10.6530	PPBV		
28)	ETHANOL	1.997	45	64956	9.5403	PPBV		98
29)	BROMOETHENE	2.065	106	96391	10.7286	PPBV		98
30)	ACRYLONITRILE	2.280	52	88218	9.5512	PPBV		99
31)	METHYLENE CHLORIDE	2.435	84	99175	9.7882	PPBV		98
32)	3-CHLOROPROPENE	2.476	76	55651	10.7338	PPBV		90
33)	FREON 113	2.531	151	148017	9.5539	PPBV		91
34)	TRANS-1,2-DICHLOROETHENE	2.759	96	102117	10.6359	PPBV		96
35)	TERTIARY BUTYL ALCOHOL	2.425	59	250941	10.4914	PPBV		98
36)	METHYL TERTIARY BUTYL ...	2.872	73	282260	11.7012	PPBV		99
37)	TETRAHYDROFURAN	3.563	72	52892	11.5072	PPBV		92
38)	HEXANE	3.325	57	213710	10.6432	PPBV		93
39)	VINYL ACETATE	2.907	86	24425	11.1229	PPBV		75
40)	1,1-DICHLOROETHANE	2.836	63	214500	11.9893	PPBV		99
41)	METHYL ETHYL KETONE	3.004	72	55669	11.3770	PPBV		90
42)	CIS-1,2-DICHLOROETHENE	3.197	96	113738	11.1703	PPBV		99
43)	DIISOPROPYL ETHER	3.332	59	61300	11.7325	PPBV		83
44)	ETHYL ACETATE	3.335	61	43835	11.4233	PPBV		79
45)	METHYL ACRYLATE	3.322	55	251911	11.4538	PPBV	#	26
46)	CHLOROFORM	3.348	83	225298	10.9406	PPBV		98
47)	2,4-DIMETHYLPENTANE	3.840	57	243275	11.3261	PPBV		99
48)	1,1,1-TRICHLOROETHANE	3.917	97	216349	11.5412	PPBV		97
49)	CARBON TETRACHLORIDE	4.341	117	212833	11.5665	PPBV		97

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V7W392\
Data File : 7w10745.D
Acq On : 25 Nov 2024 10:26 am
Operator : williamc
Sample : bsd Inst : MS7W
Misc : MS87372,v7w392,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 21:30:46 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	3.756	62	171263	10.9658	PPBV		99
51)	BENZENE	4.229	78	331521	10.9391	PPBV		97
53)	CYCLOHEXANE	4.438	84	148534	10.7630	PPBV		100
54)	2,3-DIMETHYLPENTANE	4.692	71	78653	11.1293	PPBV		98
55)	TRICHLOROETHENE	5.126	95	150189	10.0361	PPBV		98
56)	1,2-DICHLOROPROPANE	4.894	63	144095	10.8239	PPBV		97
57)	DIBROMOMETHANE	4.852	174	128872	10.2626	PPBV		96
58)	ETHYL ACRYLATE	5.016	55	309191	10.8188	PPBV		99
59)	BROMODICHLOROMETHANE	5.071	83	242598	10.5639	PPBV		100
60)	2,2,4-TRIMETHYLPENTANE	5.219	57	665824	10.5275	PPBV		99
61)	1,4-DIOXANE	5.158	88	85002	10.3785	PPBV	#	94
62)	HEPTANE	5.537	43	220071	9.9119	PPBV		95
63)	METHYL METHACRYLATE	5.438	69	130022	10.8781	PPBV		95
64)	METHYL ISOBUTYL KETONE	6.174	58	133602	9.7749	PPBV		91
65)	CIS-1,3-DICHLOROPROPENE	6.061	75	200690	11.7631	PPBV		91
66)	TOLUENE	7.267	91	403801	9.7131	PPBV		100
67)	1,3-DICHLOROPROPANE	7.325	76	210098	10.2864	PPBV		100
68)	TRANS-1,3-DICHLOROPROPENE	6.740	75	167872	11.9950	PPBV		90
69)	1,1,2-TRICHLOROETHANE	6.897	83	122856	10.8091	PPBV		98
70)	2-HEXANONE	7.849	58	187489	8.9880	PPBV		90
71)	ETHYL METHACRYLATE	7.971	69	216864	10.9714	PPBV		95
72)	TETRACHLOROETHENE	8.991	164	161382	10.8644	PPBV		97
73)	DIBROMOCHLOROMETHANE	7.801	129	232120	10.6607	PPBV		99
74)	1,2-DIBROMOETHANE	8.142	107	224390	11.2066	PPBV		99
75)	OCTANE	9.142	43	305034	9.1333	PPBV		96
77)	1,1,1,2-TETRACHLOROETHANE	10.212	131	173624	12.3163	PPBV		96
78)	CHLOROBENZENE	10.196	112	339775	10.6787	PPBV		100
79)	ETHYLBENZENE	11.081	91	539755	10.3488	PPBV		96
80)	M,P-XYLENE	11.505	91	828409	20.1079	PPBV		99
81)	O-XYLENE	12.441	91	426899	10.3210	PPBV		98
82)	STYRENE	12.232	104	326726	10.9176	PPBV		98
83)	NONANE	13.560	43	327214	10.0030	PPBV		93
84)	BROMOFORM	11.318	173	203920	11.4006	PPBV		100
85)	1,1,2,2-TETRACHLOROETHANE	12.453	83	330684	11.3505	PPBV		100
86)	1,2,3-TRICHLOROPROPANE	12.736	75	247809	10.5329	PPBV		100
88)	ISOPROPYLBENZENE	13.955	120	167761	10.7080	PPBV		96
89)	BROMOBENZENE	13.820	77	300920	10.1529	PPBV		97
90)	2-CHLOROTOLUENE	14.955	126	150937	10.5091	PPBV		100
91)	N-PROPYLBENZENE	15.296	120	175229	10.8621	PPBV		99
92)	4-ETHYLTOLUENE	15.740	105	625538	10.9521	PPBV		99
93)	1,3,5-TRIMETHYLBENZENE	15.997	105	507213	10.5543	PPBV		98
94)	ALPHA-METHYLSTYRENE	16.270	118	260983	10.2203	PPBV		99
95)	TERT-BUTYLBENZENE	16.569	134	127325	11.0757	PPBV		94
96)	1,2,4-TRIMETHYLBENZENE	16.579	105	535071	10.6544	PPBV		98
97)	BENZYL CHLORIDE	16.669	91	309390	21.1707	PPBV		97
98)	M-DICHLOROBENZENE	16.640	146	354409	10.5745	PPBV		98
99)	P-DICHLOROBENZENE	16.733	146	362979	10.9194	PPBV		98
100)	O-DICHLOROBENZENE	17.045	146	338699	10.5525	PPBV		98
101)	SEC-BUTYLBENZENE	16.875	134	162561	11.2355	PPBV		91
102)	1,2,3-TRIMETHYLBENZENE	16.990	105	516830	10.1649	PPBV		98
103)	P-ISOPROPYLTOLUENE	17.064	134	176643	10.9411	PPBV		93
104)	N-BUTYLBENZENE	17.424	134	178412	11.1329	PPBV		91
105)	HEXACHLOROETHANE	17.601	117	196316	12.6226	PPBV		95
106)	HEXACHLOROBUTADIENE	18.656	225	276712	11.4746	PPBV		100
107)	1,2,4-TRICHLOROBENZENE	18.347	180	348894	10.8589	PPBV		99
108)	NAPHTHALENE	18.392	128	804321	9.5818	PPBV		100
110)	TVHC as equiv Pentane	2.312	TIC	591308	9.2601	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V7W392\
Data File : 7w10745.D
Acq On : 25 Nov 2024 10:26 am
Operator : williamc
Sample : bsd Inst : MS7W
Misc : MS87372,v7w392,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 21:30:46 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

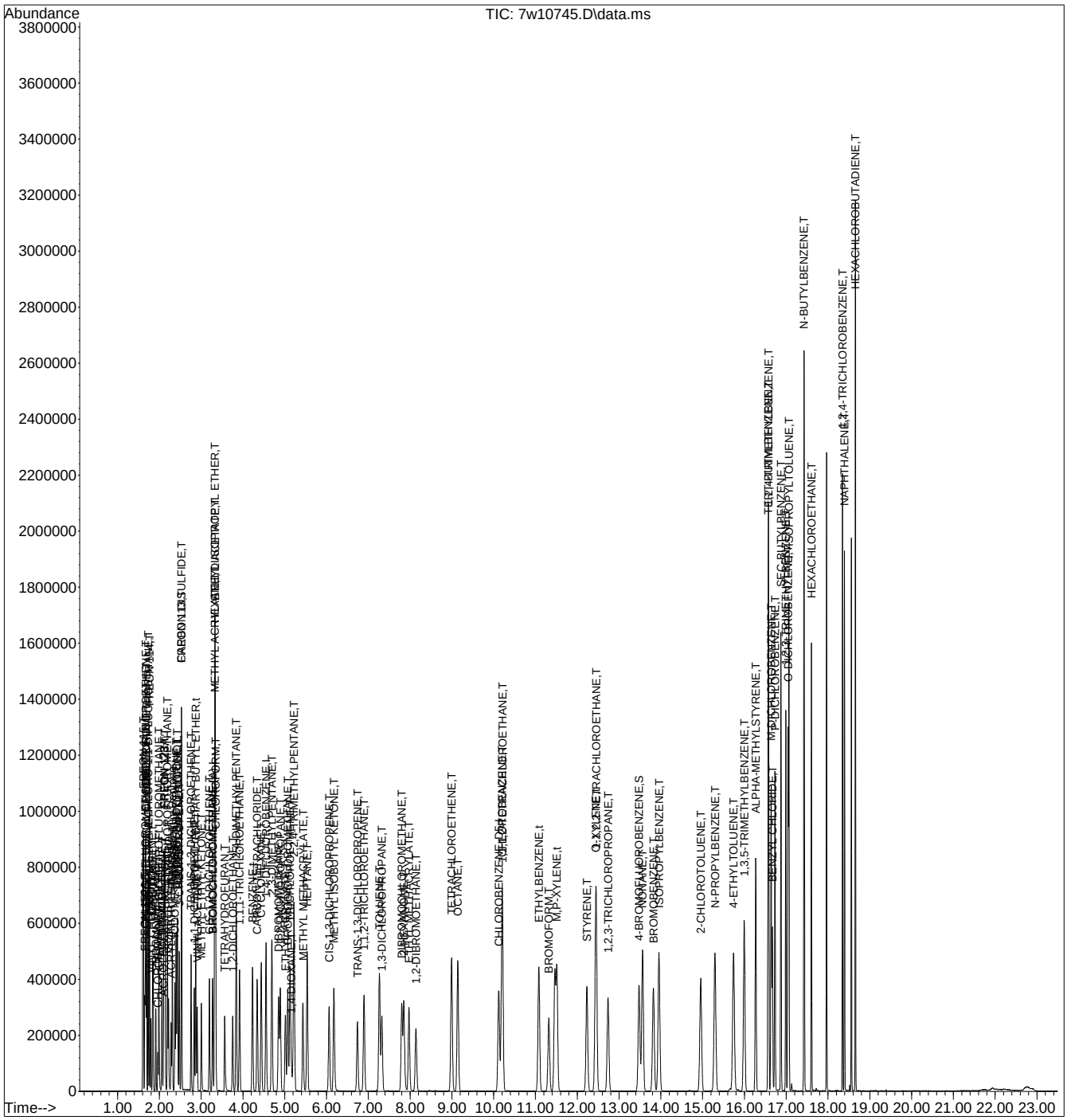
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V7W392\
Data File : 7w10745.D
Acq On : 25 Nov 2024 10:26 am
Operator : williamc
Sample : bsd Inst : MS7W
Misc : MS87372,v7w392,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 21:30:46 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



Manual Integration Approval Summary

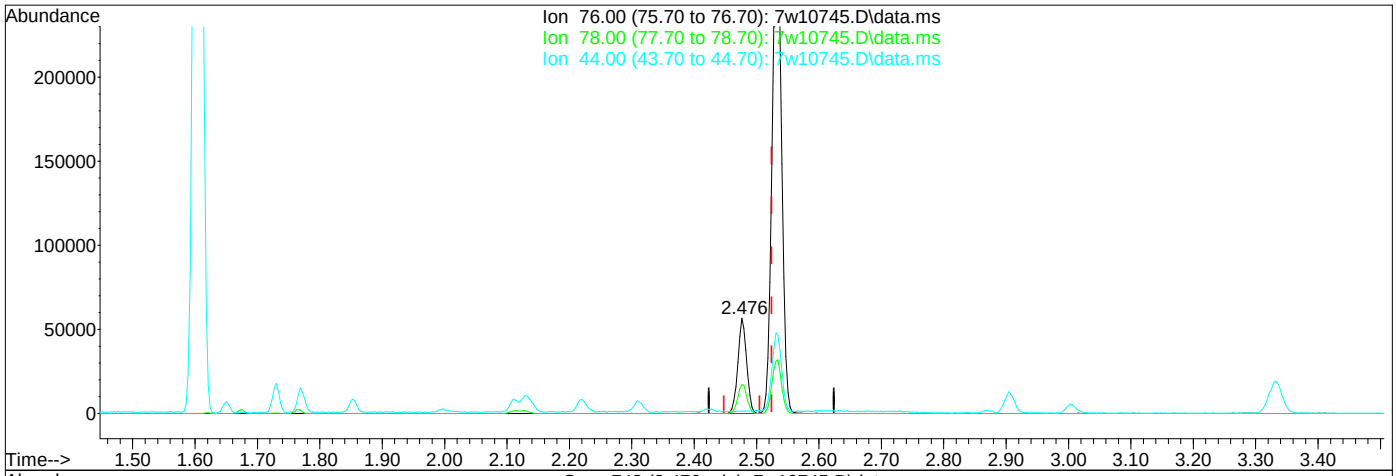
Sample Number: V7W392-BSD
Lab FileID: 7W10745.D
Injection Time: 11/25/24 10:26
Method: TO-15
Analyst approved: 11/25/24 16:53 Geralyn Gomez
Supervisor approved: 11/25/24 17:07 Kanya Veerawat

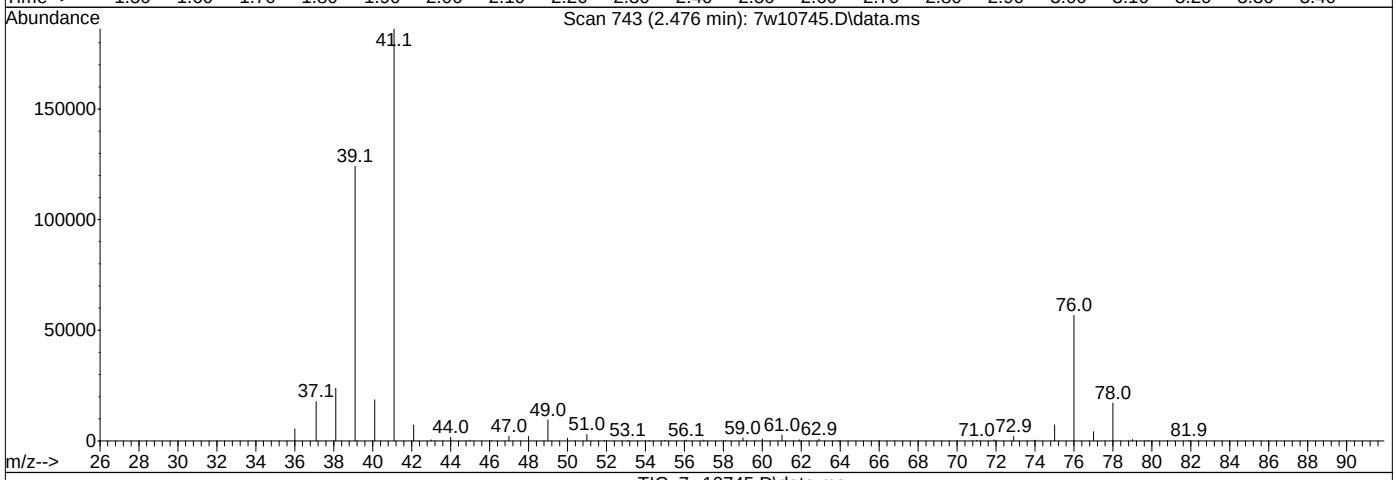
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon disulfide	75-15-0		2.53	Missed peak

Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V7W392\
Data File : 7w10745.D
Acq On : 25 Nov 2024 10:26 am
Operator : williamc
Sample : bsd Inst : MS7W
Misc : MS87372,v7w392,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 20:59:05 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration





TIC: 7w10745.D\data.ms

(27) CARBON DISULFIDE (T)

2.476min (-0.048) 1.94PPBV

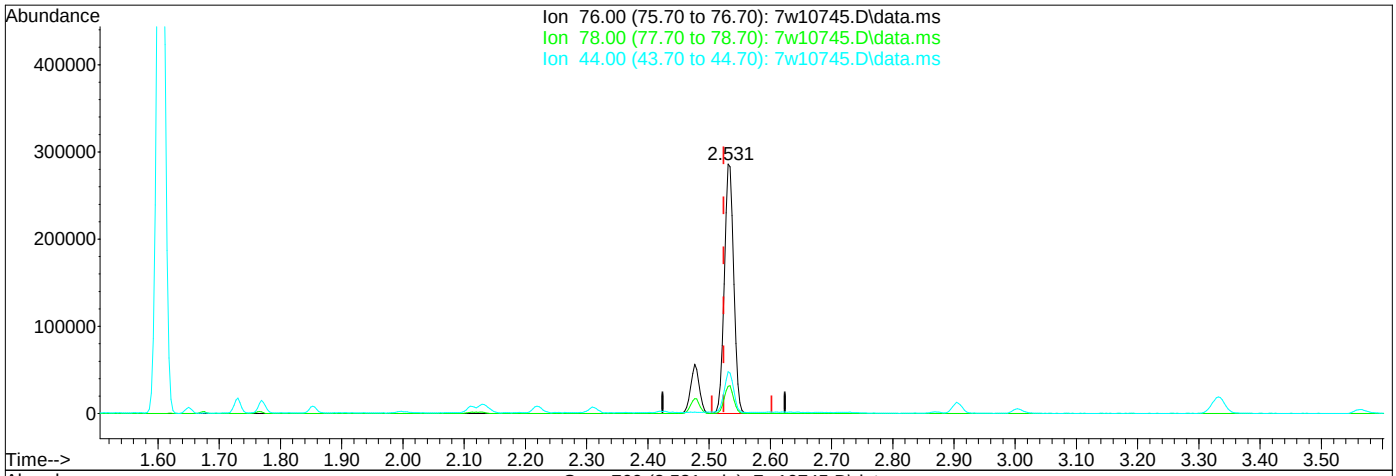
response 55690

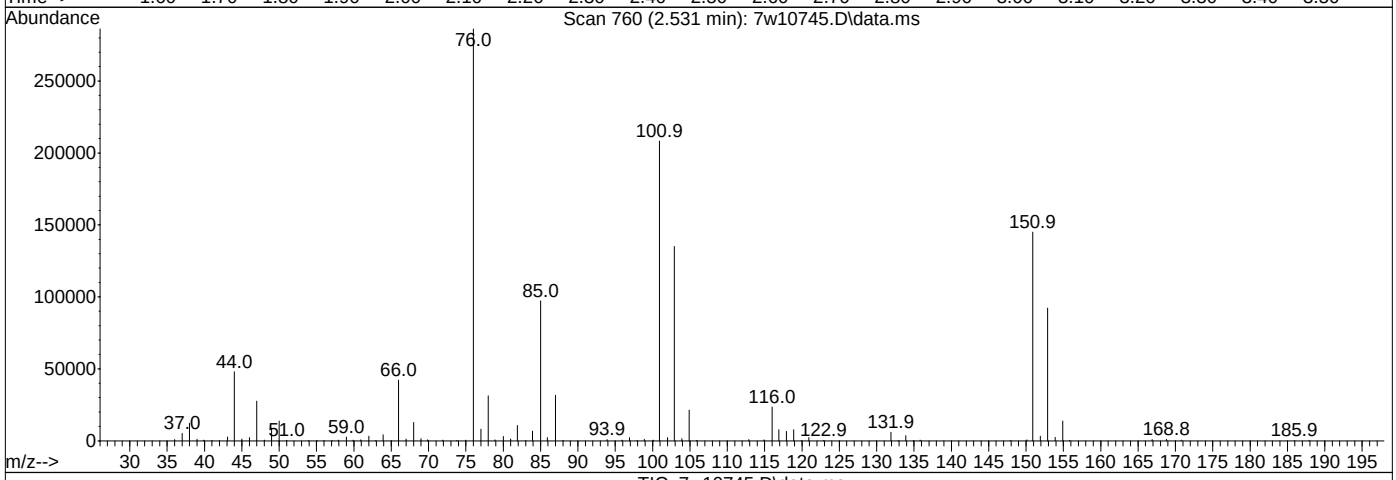
Ion	Exp%	Act%
76.00	100	100
78.00	11.40	32.24#
44.00	19.10	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V7W392\
Data File : 7w10745.D
Acq On : 25 Nov 2024 10:26 am
Operator : williamc
Sample : bsd Inst : MS7W
Misc : MS87372,v7w392,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 20:59:05 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration





TIC: 7w10745.D\data.ms

(27) CARBON DISULFIDE (T)

2.531min (+0.007) 10.65PPBV m

response 305632

Ion	Exp%	Act%
76.00	100	100
78.00	11.40	5.88#
44.00	19.10	0.00#
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 12/18/24 22:00

Quantitation Report (QT Reviewed)

Data Path : R:\MSAIR\Done\2024\December\17 Dec 2024\v5w2132\
Data File : 5w55675.D
Acq On : 16 Dec 2024 10:33 pm
Operator : thomash
Sample : je2487-4dup Inst : GCMS5W
Misc : MS88104,V5W2132,500,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 17 12:16:23 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

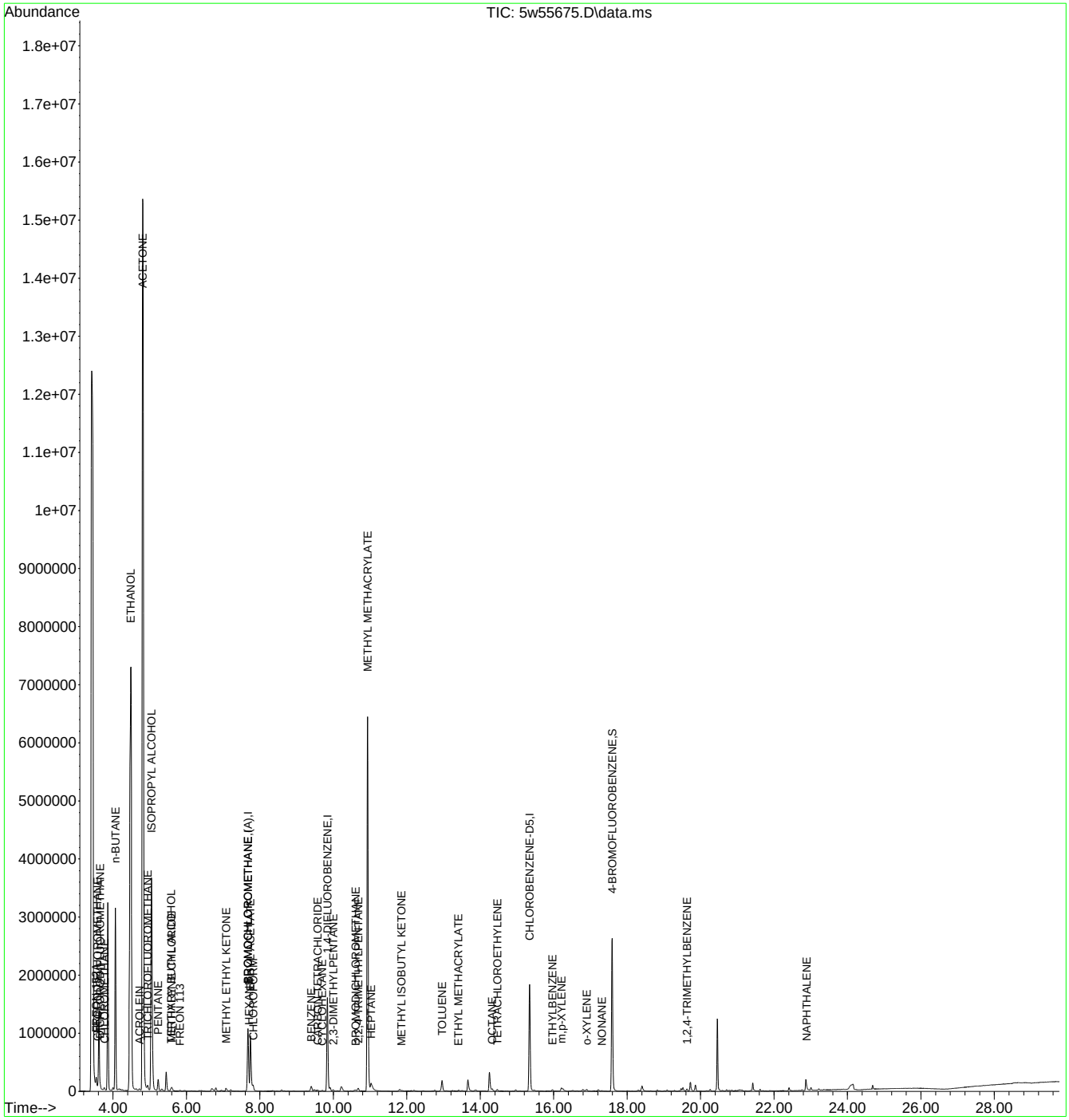
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.675	128	279421	10.00	PPBV	#	0.00
51) 1,4-DIFLUOROBENZENE	9.835	114	1362931	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	15.340	82	788847	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.675	128	279421	10.00	PPBV	#	0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	17.592	95	1009613	11.44	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 114.40%				
Target Compounds							Qvalue
3) FREON 152A	3.539	65	65009	3.1446	PPBV		89
4) CHLORODIFLUOROMETHANE	3.576	67	5076	0.4735	PPBV		81
6) DICHLORODIFLUOROMETHANE	3.650	85	64595	0.6326	PPBV		100
10) CHLOROMETHANE	3.772	52	7465	0.5669	PPBV		94
13) n-BUTANE	4.066	43	2631630	44.0851	PPBV		99
18) ACROLEIN	4.720	56	25813	1.7144	PPBV		100
21) TRICHLOROFLUOROMETHANE	4.940	101	56210	0.5957	PPBV		100
22) ISOPROPYL ALCOHOL	5.044	45	5759933	96.3376	PPBV		98
23) ACETONE	4.806	58	8118718	360.2495	PPBV	#	74
24) PENTANE	5.228	42	80836	2.7216	PPBV		95
28) ETHANOL	4.482	45	13273914	605.7678	PPBV		97
31) METHYLENE CHLORIDE	5.601	84	15389	0.5251	PPBV		92
33) FREON 113	5.821	151	4731	0.0973	PPBV		93
35) TERTIARY BUTYL ALCOHOL	5.583	59	54420	0.9676	PPBV		64
38) HEXANE	7.699	57	30028	0.6859	PPBV	#	80
41) METHYL ETHYL KETONE	7.075	72	20415	1.6843	PPBV		98
44) ETHYL ACETATE	7.742	61	184053	20.5852	PPBV	#	76
46) CHLOROFORM	7.816	83	70420	0.9817	PPBV		98
49) CARBON TETRACHLORIDE	9.565	117	10835	0.1408	PPBV		97
52) BENZENE	9.400	78	85692	0.8674	PPBV		99
53) CYCLOHEXANE	9.694	84	5987	0.1613	PPBV		86
54) 2,3-DIMETHYLPENTANE	9.994	71	4679	0.2335	PPBV		97
59) BROMODICHLOROMETHANE	10.611	83	10926	0.1201	PPBV		80
60) 2,2,4-TRIMETHYLPENTANE	10.679	57	44281	0.2952	PPBV		79
62) HEPTANE	11.027	43	49516m	0.9450	PPBV		
63) METHYL METHACRYLATE	10.930	69	2834456	86.3069	PPBV		96
64) METHYL ISOBUTYL KETONE	11.853	58	3483	0.1248	PPBV	#	18
66) TOLUENE	12.961	92	93571	1.3542	PPBV		99
72) ETHYL METHACRYLATE	13.407	69	12875	0.2363	PPBV	#	76
73) TETRACHLOROETHYLENE	14.466	164	7476	0.1451	PPBV		87
76) OCTANE	14.325	43	33914m	0.4895	PPBV		
79) ETHYLBENZENE	15.964	91	27039	0.1859	PPBV		91
80) m,p-XYLENE	16.209	106	24461	0.4433	PPBV		93
81) o-XYLENE	16.900	106	9721	0.1815	PPBV	#	77
83) NONANE	17.310	43	7031	0.0972	PPBV	#	82
96) 1,2,4-TRIMETHYLBENZENE	19.629	105	20216	0.1474	PPBV	#	39
108) NAPHTHALENE	22.890	128	22317	0.1164	PPBV		98

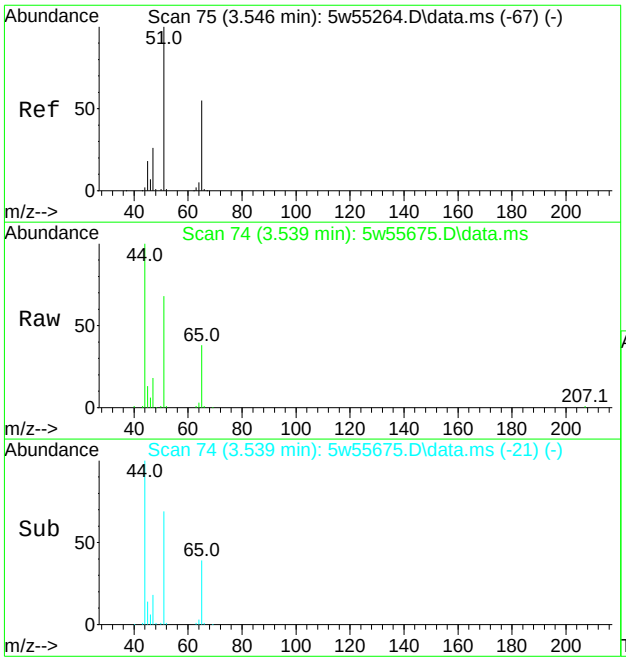
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : R:\MSAIR\Done\2024\December\17 Dec 2024\v5w2132\
Data File : 5w55675.D
Acq On : 16 Dec 2024 10:33 pm
Operator : thomash
Sample : je2487-4dup Inst : GCMS5W
Misc : MS88104,V5W2132,500,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 17 12:16:23 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

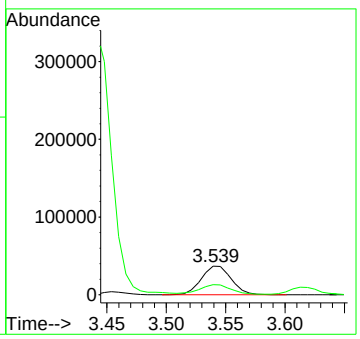


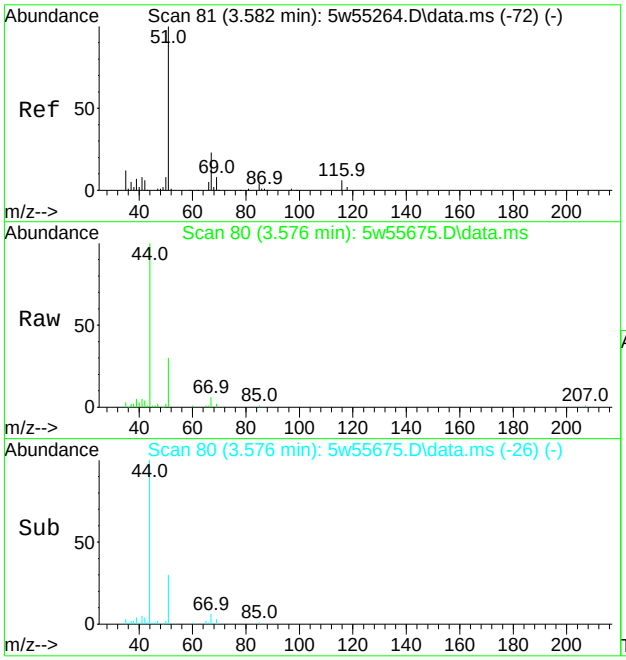


#3
FREON 152A
Concen: 3.1446 PPBV
RT: 3.539 min Scan# 74
Delta R.T. -0.006 min
Lab File: 5w55675.D
Acq: 16 Dec 2024 10:33 pm

Tgt Ion: 65 Resp: 65009

Ion	Ratio	Lower	Upper
65	100		
45	37.9	1.8	61.8

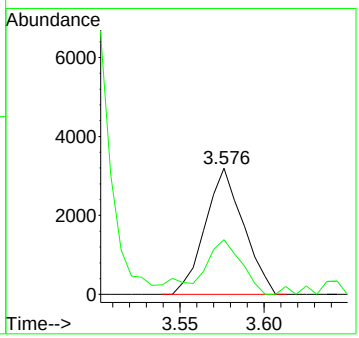


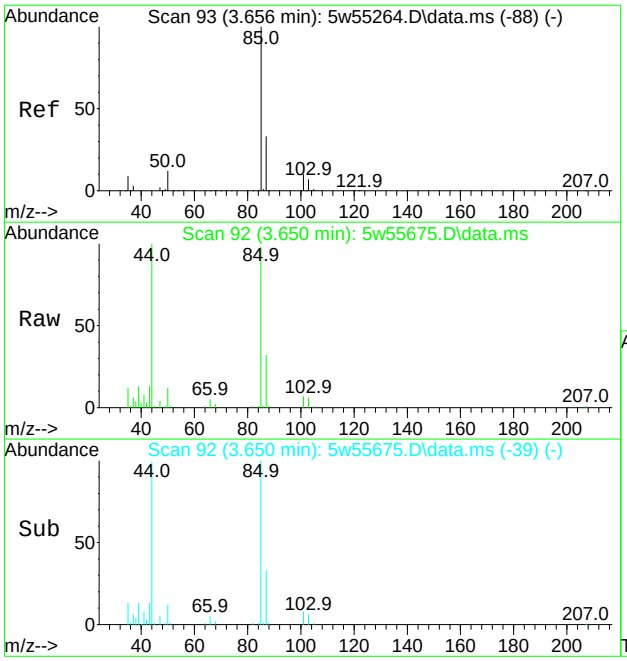


#4
CHLORODIFLUOROMETHANE
Concen: 0.4735 PPBV
RT: 3.576 min Scan# 80
Delta R.T. -0.000 min
Lab File: 5w55675.D
Acq: 16 Dec 2024 10:33 pm

Tgt Ion: 67 Resp: 5076

Ion	Ratio	Lower	Upper
67	100		
69	43.4	2.9	62.9

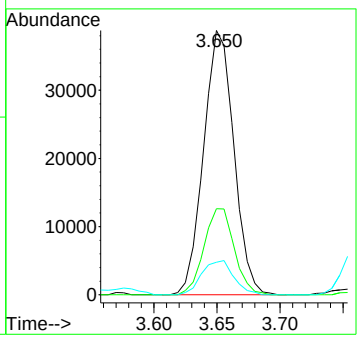


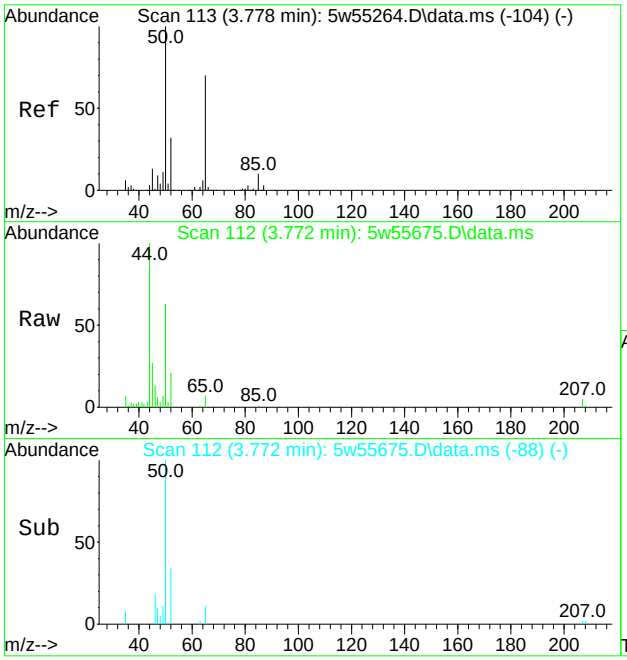


#6
DICHLORODIFLUOROMETHANE
Concen: 0.6326 PPBV
RT: 3.650 min Scan# 92
Delta R.T. -0.006 min
Lab File: 5w55675.D
Acq: 16 Dec 2024 10:33 pm

Tgt Ion: 85 Resp: 64595

Ion	Ratio	Lower	Upper
85	100		
87	32.6	2.6	62.6
50	13.7	0.0	43.0

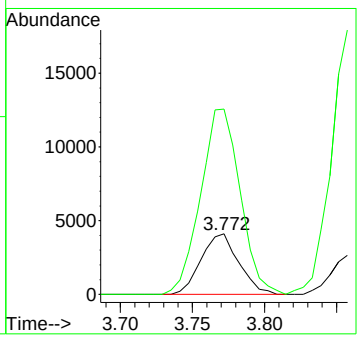


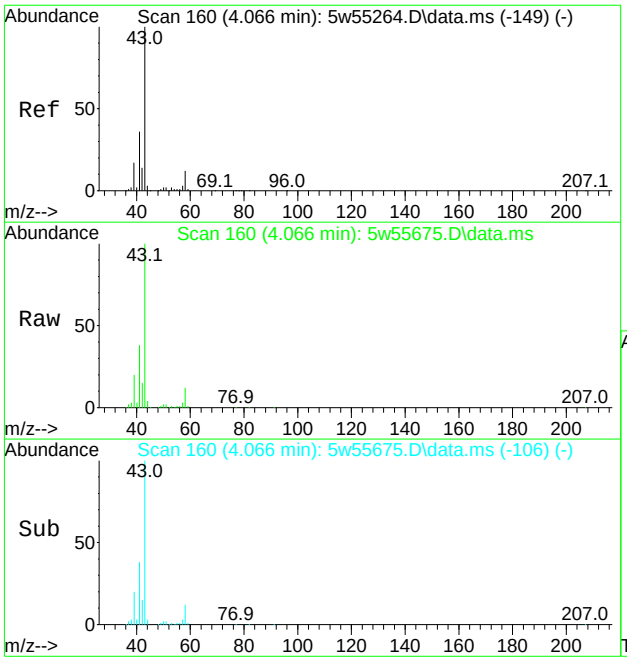


#10
CHLOROMETHANE
Concen: 0.5669 PPBV
RT: 3.772 min Scan# 112
Delta R.T. -0.000 min
Lab File: 5w55675.D
Acq: 16 Dec 2024 10:33 pm

Tgt Ion: 52 Resp: 7465

Ion	Ratio	Lower	Upper
52	100		
50	305.5	287.9	347.9

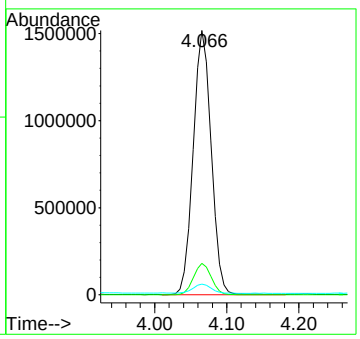


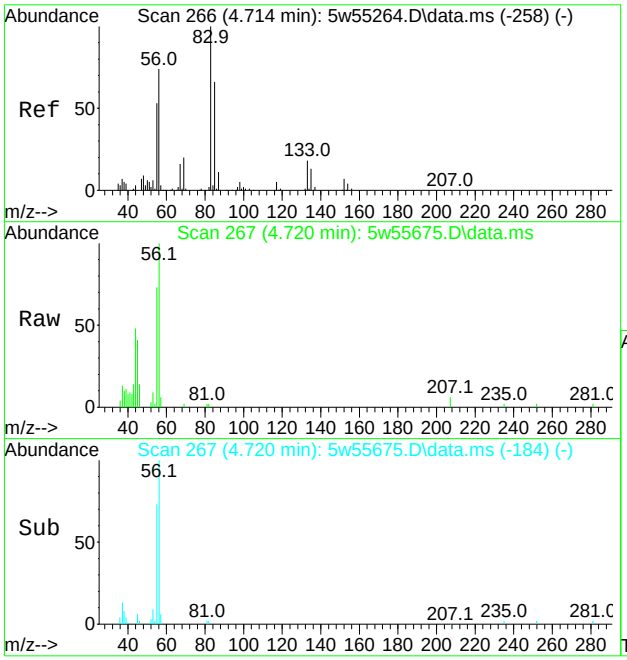


#13
n-BUTANE
Concen: 44.0851 PPBV
RT: 4.066 min Scan# 160
Delta R.T. -0.000 min
Lab File: 5w55675.D
Acq: 16 Dec 2024 10:33 pm

Tgt Ion: 43 Resp: 2631630

Ion	Ratio	Lower	Upper
43	100		
58	11.8	0.0	41.6
44	3.6	0.0	34.7

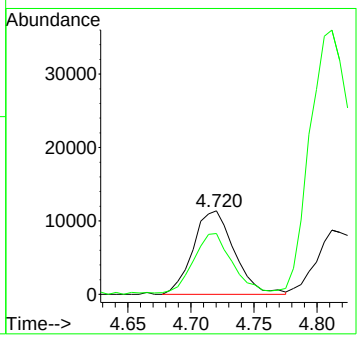


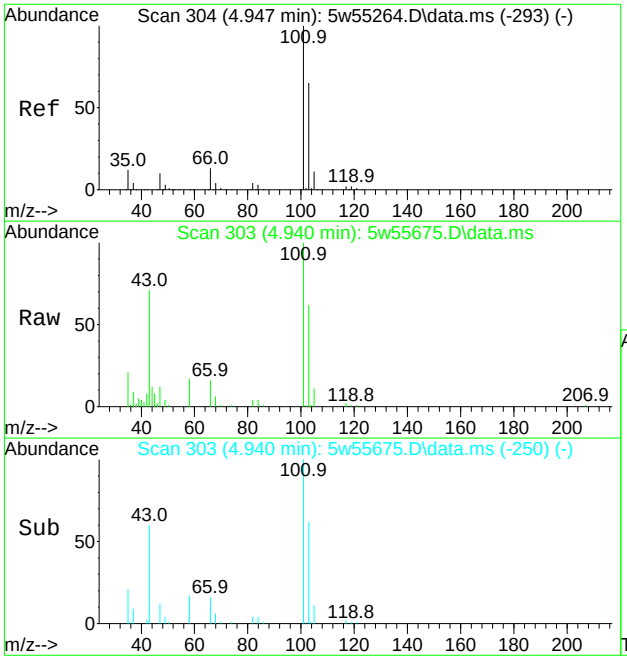


#18
ACROLEIN
Concen: 1.7144 PPBV
RT: 4.720 min Scan# 267
Delta R.T. 0.006 min
Lab File: 5w55675.D
Acq: 16 Dec 2024 10:33 pm

Tgt Ion: 56 Resp: 25813

Ion	Ratio	Lower	Upper
56	100		
55	71.5	49.8	92.6

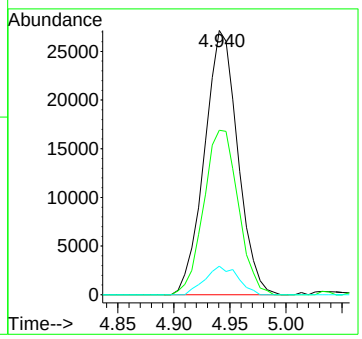


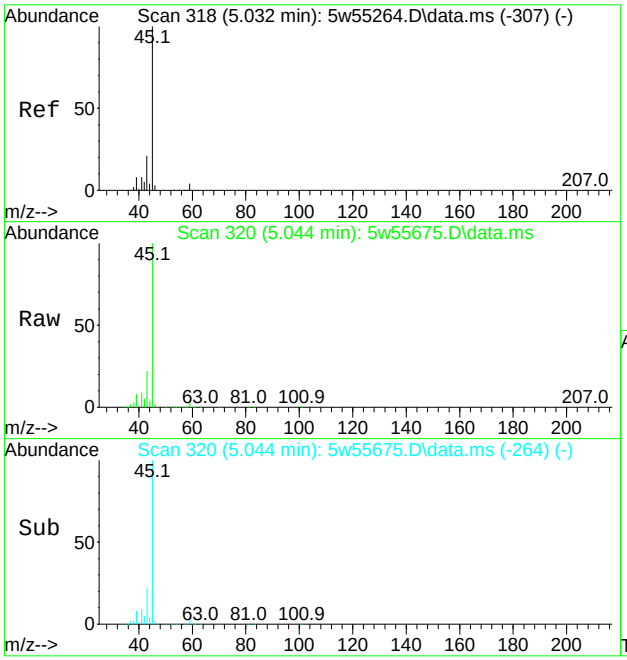


#21
TRICHLOROFLUOROMETHANE
Concen: 0.5957 PPBV
RT: 4.940 min Scan# 303
Delta R.T. -0.006 min
Lab File: 5w55675.D
Acq: 16 Dec 2024 10:33 pm

Tgt Ion:101 Resp: 56210

Ion	Ratio	Lower	Upper
101	100		
103	64.3	34.7	94.7
105	10.7	0.0	40.5

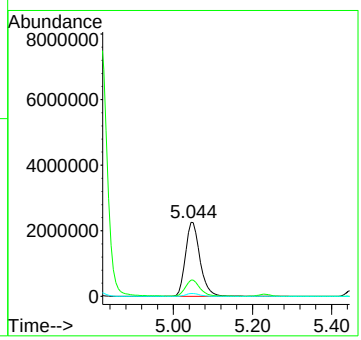


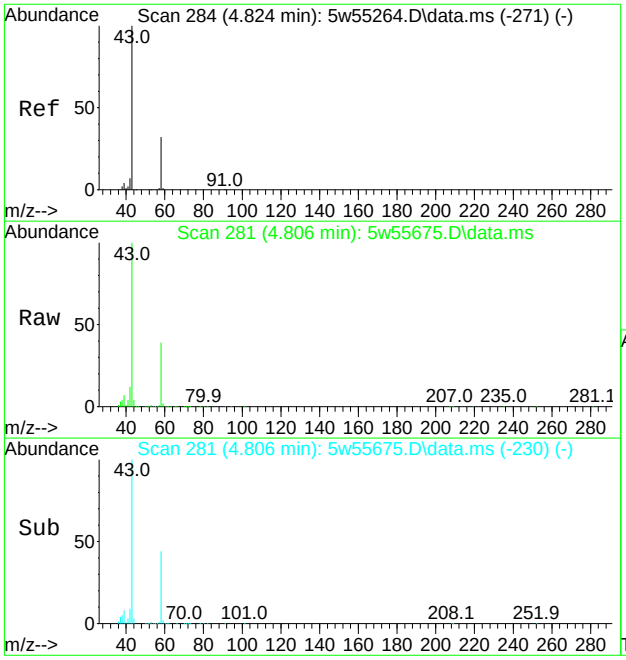


#22
ISOPROPYL ALCOHOL
Concen: 96.3376 PPBV
RT: 5.044 min Scan# 320
Delta R.T. 0.012 min
Lab File: 5w55675.D
Acq: 16 Dec 2024 10:33 pm

Tgt Ion: 45 Resp: 5759933

Ion	Ratio	Lower	Upper
45	100		
43	22.0	0.0	50.8
59	3.9	0.0	33.8

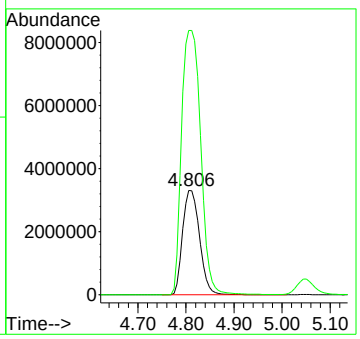


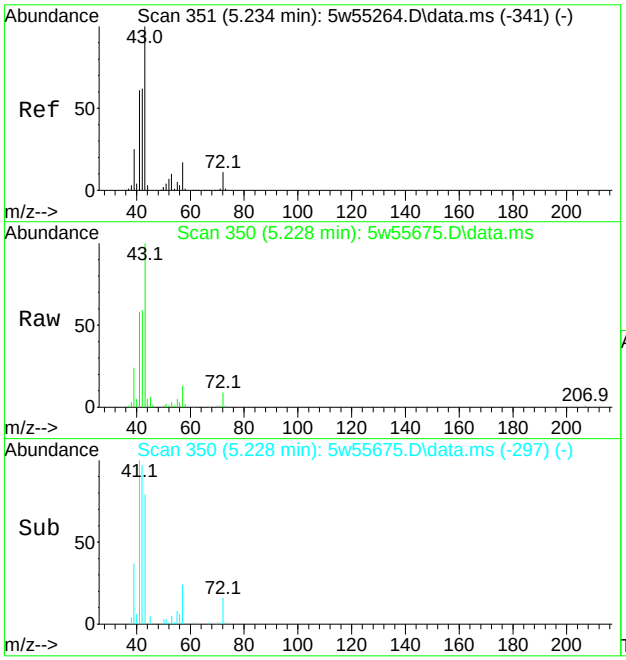


#23
ACETONE
Concen: 360.2495 PPBV
RT: 4.806 min Scan# 281
Delta R.T. -0.019 min
Lab File: 5w55675.D
Acq: 16 Dec 2024 10:33 pm

Tgt Ion: 58 Resp: 8118718

Ion	Ratio	Lower	Upper
58	100		
43	286.1	312.3	372.3#

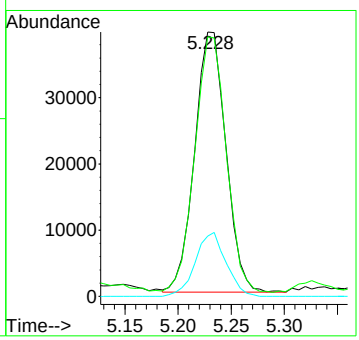


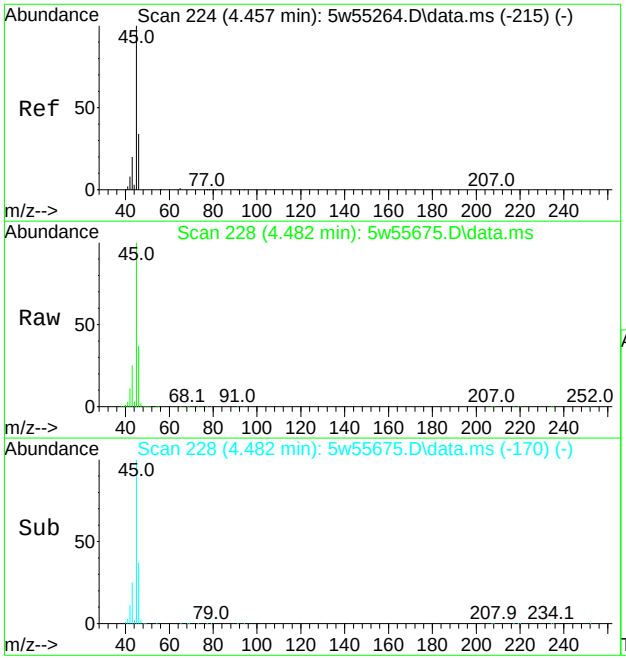


#24
PENTANE
Concen: 2.7216 PPBV
RT: 5.228 min Scan# 350
Delta R.T. -0.006 min
Lab File: 5w55675.D
Acq: 16 Dec 2024 10:33 pm

Tgt Ion: 42 Resp: 80836

Ion	Ratio	Lower	Upper
42	100		
41	100.0	64.4	124.4
57	24.0	0.0	55.0

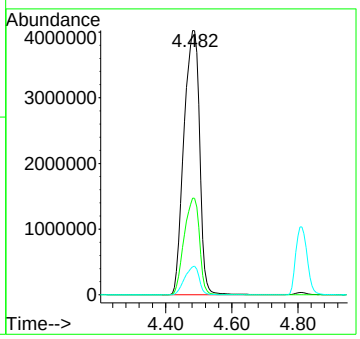


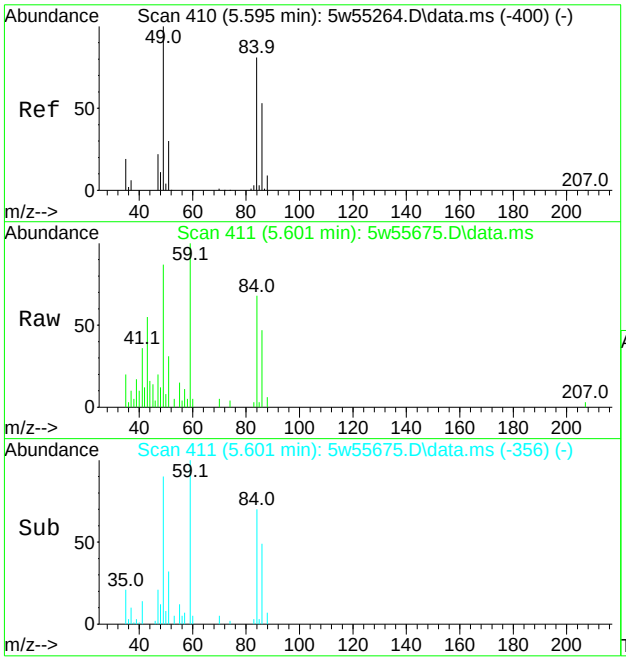


#28
ETHANOL
Concen: 605.7678 PPBV
RT: 4.482 min Scan# 228
Delta R.T. 0.024 min
Lab File: 5w55675.D
Acq: 16 Dec 2024 10:33 pm

Tgt Ion: 45 Resp:13273914

Ion	Ratio	Lower	Upper
45	100		
46	35.8	4.5	64.5
42	10.0	0.0	38.6

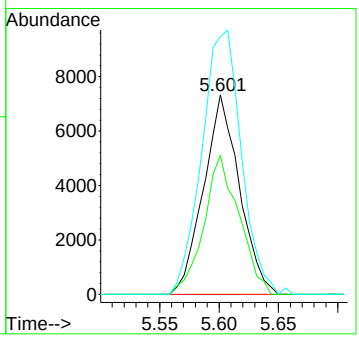


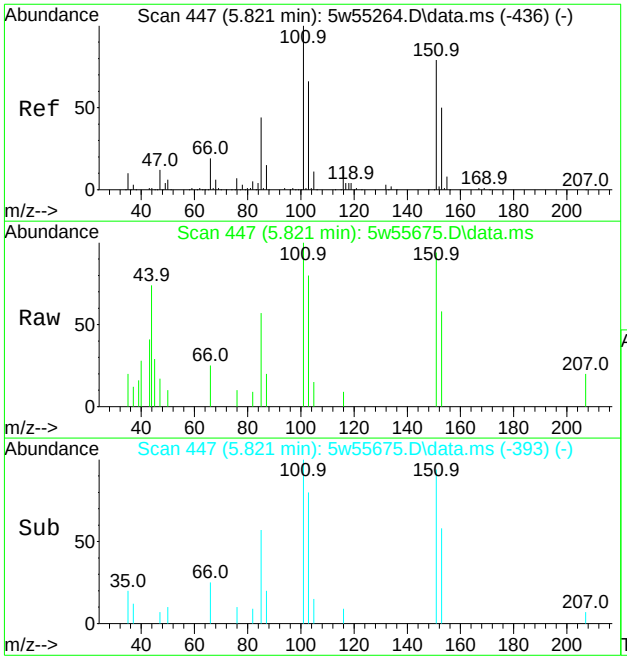


#31
METHYLENE CHLORIDE
Concen: 0.5251 PPBV
RT: 5.601 min Scan# 411
Delta R.T. 0.006 min
Lab File: 5w55675.D
Acq: 16 Dec 2024 10:33 pm

Tgt Ion: 84 Resp: 15389

Ion	Ratio	Lower	Upper
84	100		
86	68.3	34.0	94.0
49	146.3	105.8	165.8

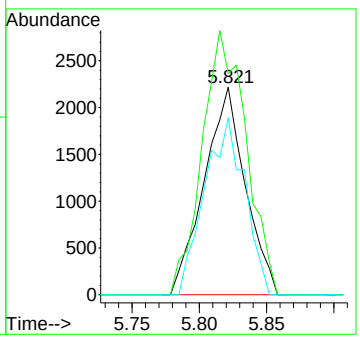


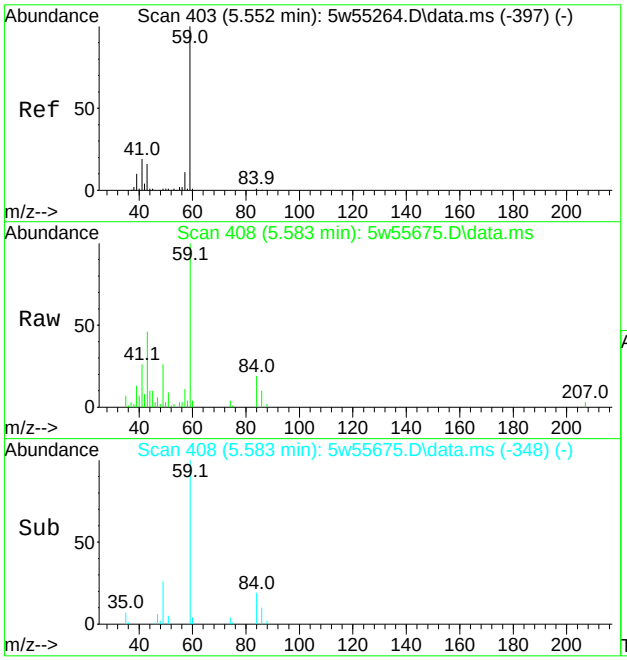


#33
FREON 113
Concen: 0.0973 PPBV
RT: 5.821 min Scan# 447
Delta R.T. -0.000 min
Lab File: 5w55675.D
Acq: 16 Dec 2024 10:33 pm

Tgt Ion:151 Resp: 4731

Ion	Ratio	Lower	Upper
151	100		
101	135.8	112.2	172.2
103	82.9	62.0	122.0

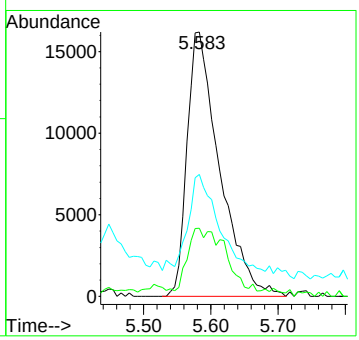


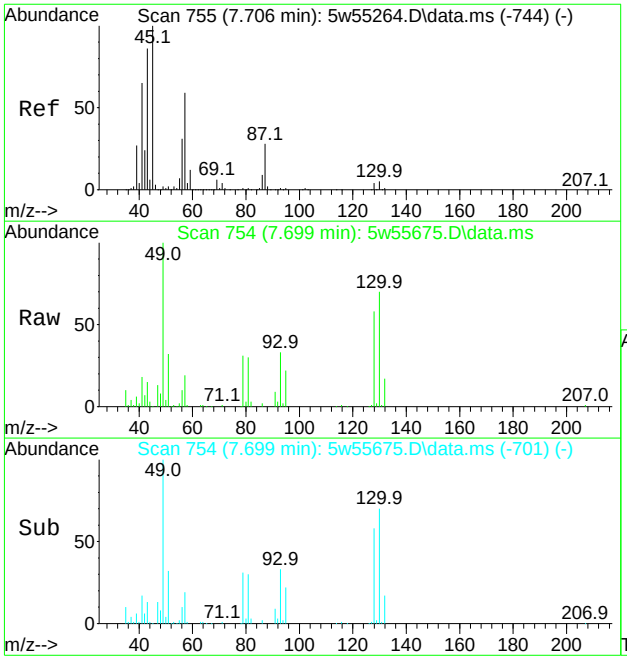


#35
TERTIARY BUTYL ALCOHOL
Concen: 0.9676 PPBV
RT: 5.583 min Scan# 408
Delta R.T. 0.037 min
Lab File: 5w55675.D
Acq: 16 Dec 2024 10:33 pm

Tgt Ion: 59 Resp: 54420

Ion	Ratio	Lower	Upper
59	100		
41	33.1	0.0	53.1
43	41.8	0.0	47.1

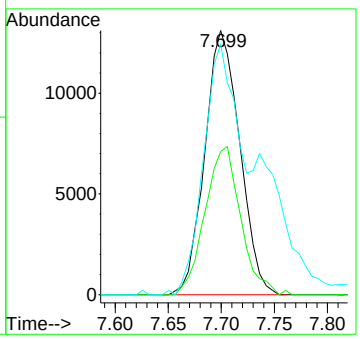


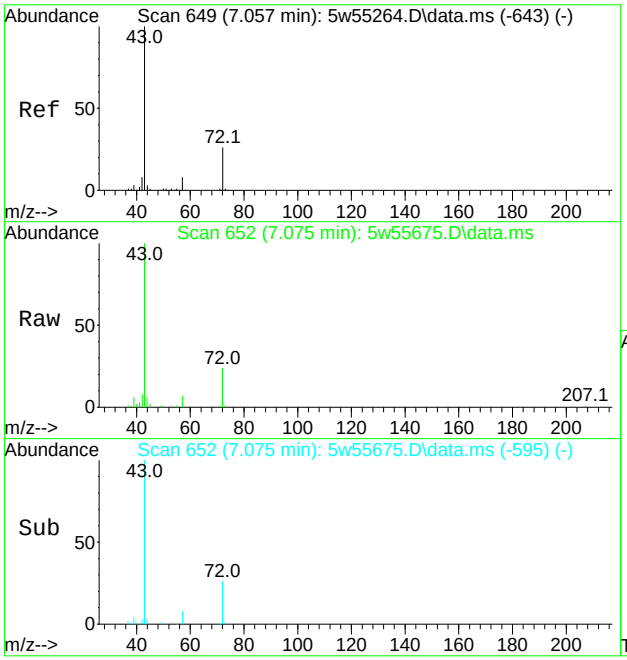


#38
HEXANE
Concen: 0.6859 PPBV
RT: 7.699 min Scan# 754
Delta R.T. -0.006 min
Lab File: 5w55675.D
Acq: 16 Dec 2024 10:33 pm

Tgt Ion: 57 Resp: 30028

Ion	Ratio	Lower	Upper
57	100		
56	57.3	24.2	84.2
41	152.7	92.1	152.1#

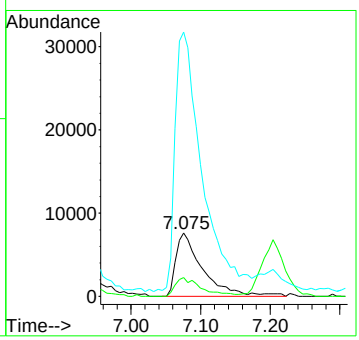




#41
METHYL ETHYL KETONE
Concen: 1.6843 PPBV
RT: 7.075 min Scan# 652
Delta R.T. 0.018 min
Lab File: 5w55675.D
Acq: 16 Dec 2024 10:33 pm

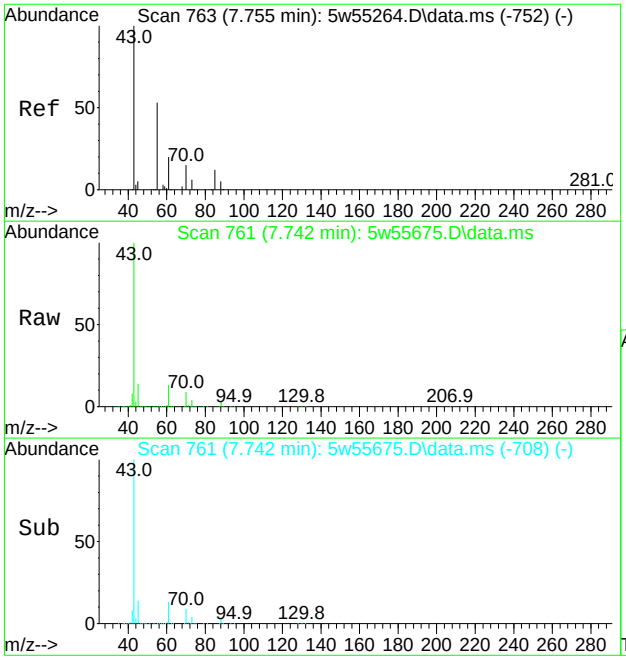
Tgt Ion: 72 Resp: 20415

Ion	Ratio	Lower	Upper
72	100		
57	29.7	1.1	61.1
43	416.3	390.6	450.6



7.4.1

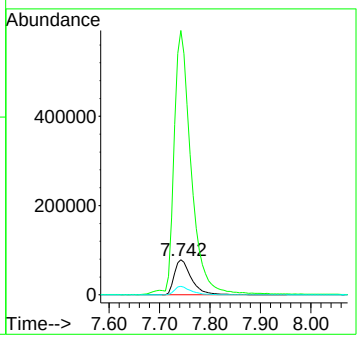
7

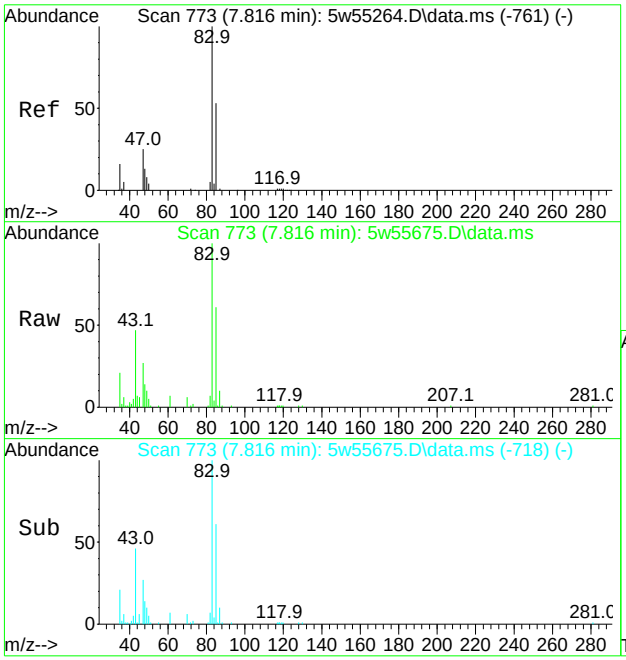


#44
ETHYL ACETATE
Concen: 20.5852 PPBV
RT: 7.742 min Scan# 761
Delta R.T. -0.006 min
Lab File: 5w55675.D
Acq: 16 Dec 2024 10:33 pm

Tgt Ion: 61 Resp: 184053

Ion	Ratio	Lower	Upper
61	100		
43	763.9	0.0	30.0#
88	23.1	7.3	67.3

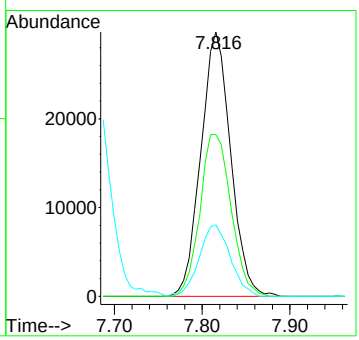


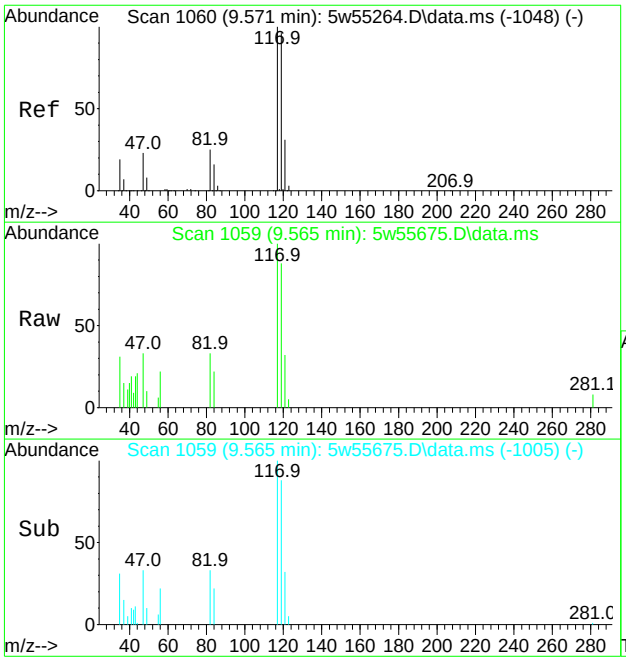


#46
CHLOROFORM
Concen: 0.9817 PPBV
RT: 7.816 min Scan# 773
Delta R.T. 0.006 min
Lab File: 5w55675.D
Acq: 16 Dec 2024 10:33 pm

Tgt Ion: 83 Resp: 70420

Ion	Ratio	Lower	Upper
83	100		
85	63.9	35.5	95.5
47	28.2	0.0	56.8

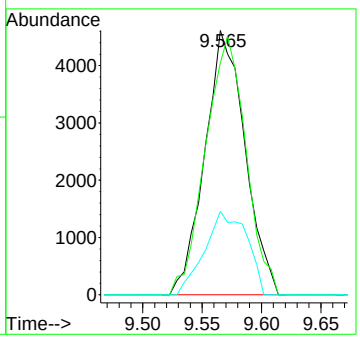


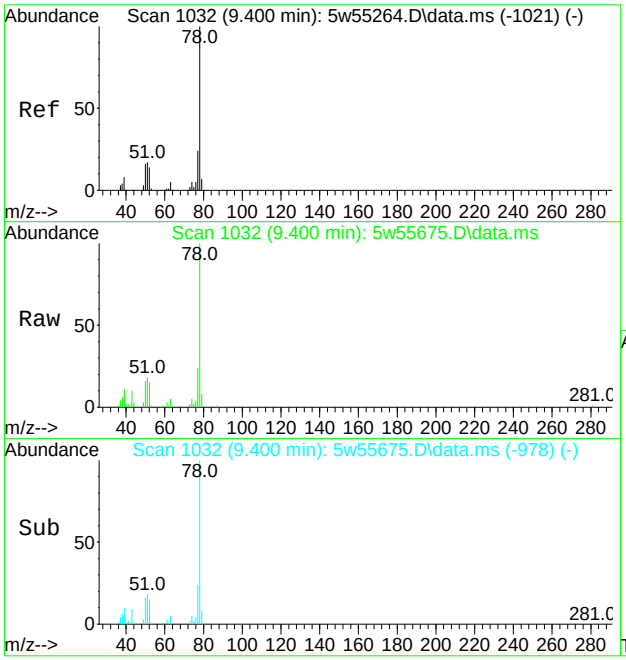


#49
CARBON TETRACHLORIDE
Concen: 0.1408 PPBV
RT: 9.565 min Scan# 1059
Delta R.T. -0.000 min
Lab File: 5w55675.D
Acq: 16 Dec 2024 10:33 pm

Tgt Ion:117 Resp: 10835

Ion	Ratio	Lower	Upper
117	100		
119	98.4	65.9	125.9
121	33.0	0.7	60.7

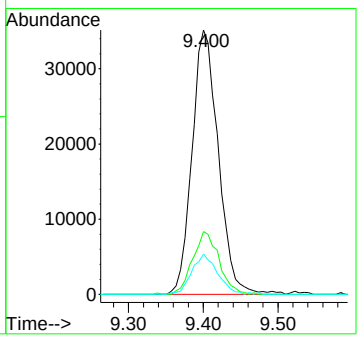


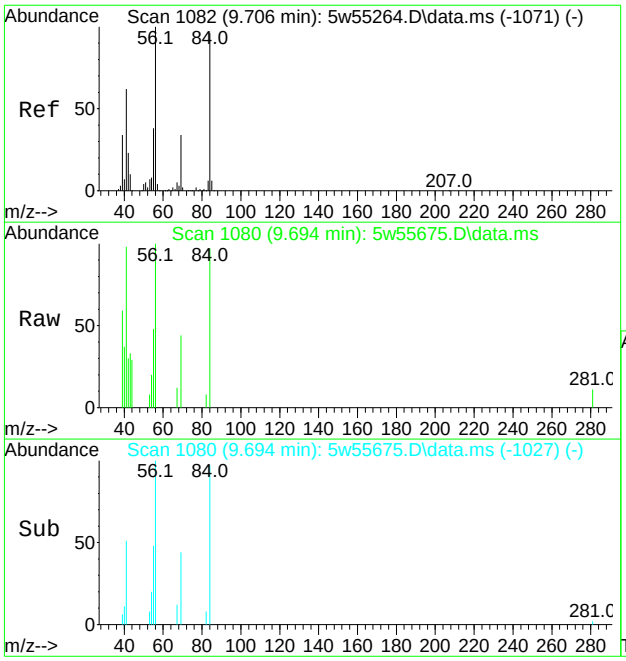


#52
BENZENE
Concen: 0.8674 PPBV
RT: 9.400 min Scan# 1032
Delta R.T. -0.000 min
Lab File: 5w55675.D
Acq: 16 Dec 2024 10:33 pm

Tgt Ion: 78 Resp: 85692

Ion	Ratio	Lower	Upper
78	100		
77	23.8	0.0	54.0
52	14.9	0.0	45.6

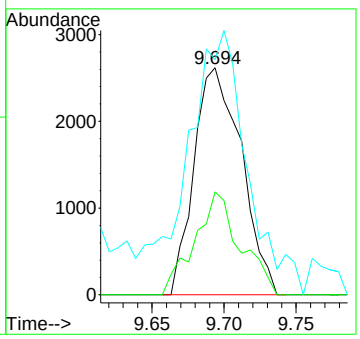


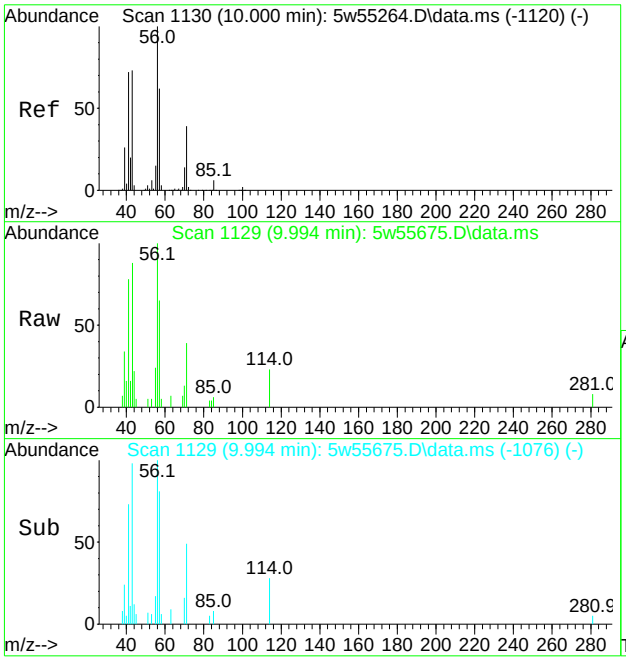


#53
CYCLOHEXANE
Concen: 0.1613 PPBV
RT: 9.694 min Scan# 1080
Delta R.T. -0.006 min
Lab File: 5w55675.D
Acq: 16 Dec 2024 10:33 pm

Tgt Ion: 84 Resp: 5987

Ion	Ratio	Lower	Upper
84	100		
69	43.6	7.0	67.0
56	132.6	86.5	146.5

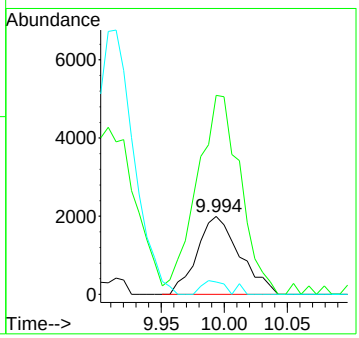


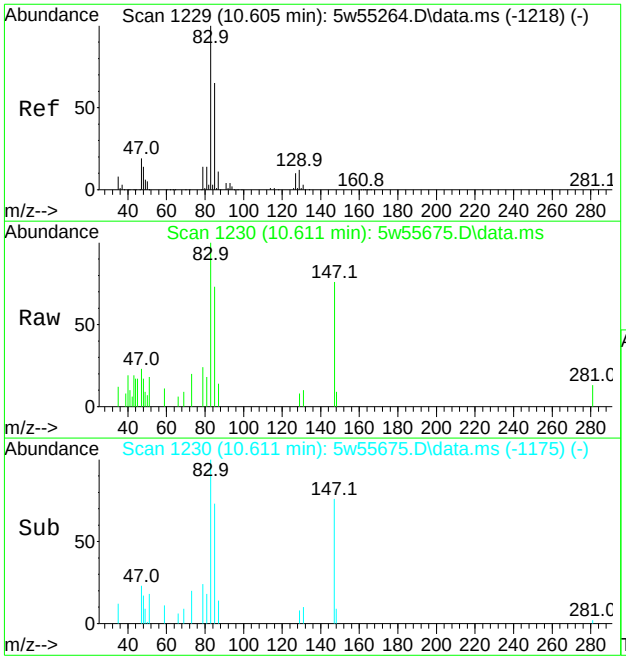


#54
2,3-DIMETHYLPENTANE
Concen: 0.2335 PPBV
RT: 9.994 min Scan# 1129
Delta R.T. -0.006 min
Lab File: 5w55675.D
Acq: 16 Dec 2024 10:33 pm

Tgt Ion: 71 Resp: 4679

Ion	Ratio	Lower	Upper
71	100		
56	260.7	235.4	295.4
85	11.1	0.0	45.3

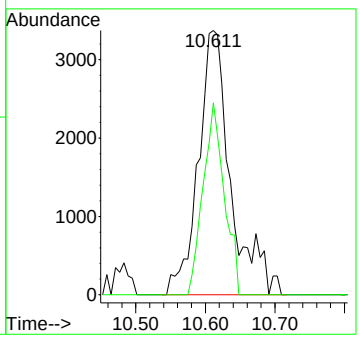


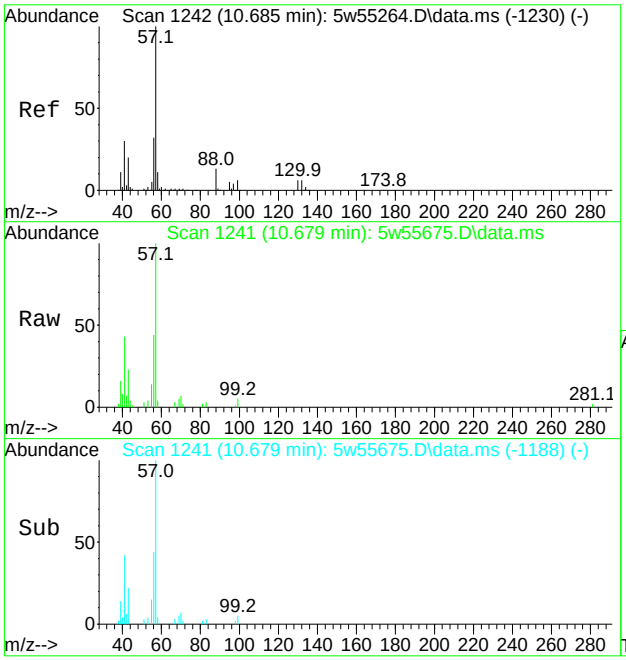


#59
BROMODICHLOROMETHANE
Concen: 0.1201 PPBV
RT: 10.611 min Scan# 1230
Delta R.T. 0.006 min
Lab File: 5w55675.D
Acq: 16 Dec 2024 10:33 pm

Tgt Ion: 83 Resp: 10926

Ion	Ratio	Lower	Upper
83	100		
85	47.4	33.2	93.2

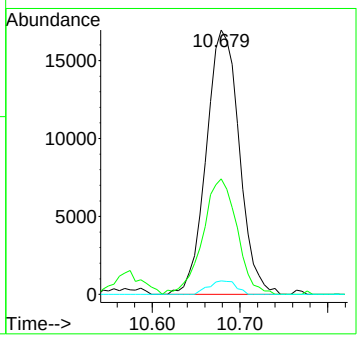


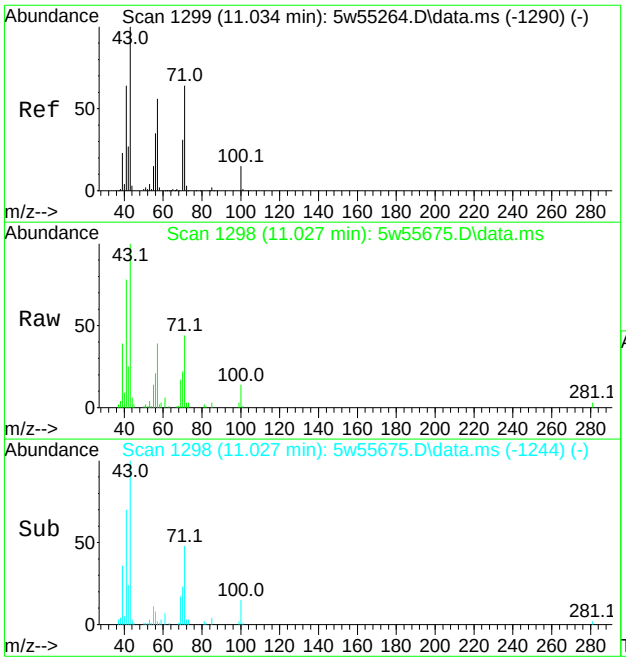


#60
2,2,4-TRIMETHYLPENTANE
Concen: 0.2952 PPBV
RT: 10.679 min Scan# 1241
Delta R.T. -0.006 min
Lab File: 5w55675.D
Acq: 16 Dec 2024 10:33 pm

Tgt Ion: 57 Resp: 44281

Ion	Ratio	Lower	Upper
57	100		
56	45.4	2.2	62.2
99	4.3	0.0	37.6

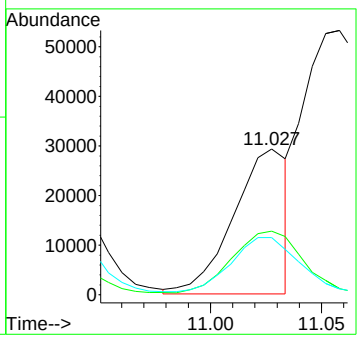


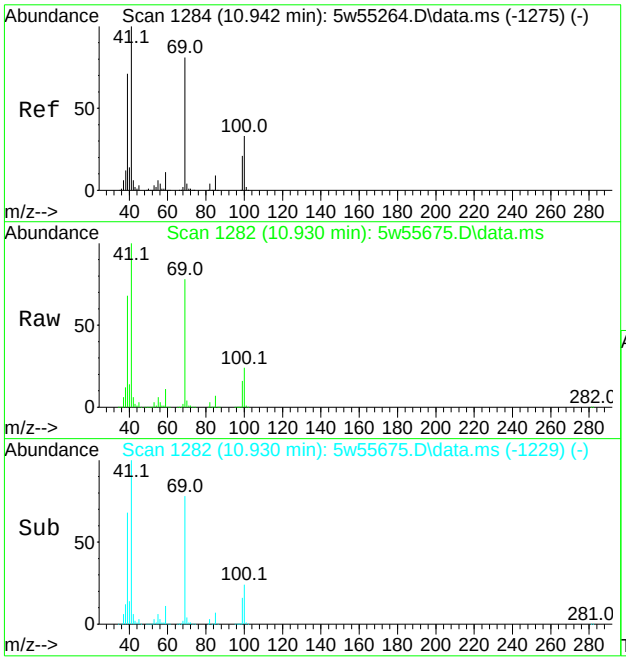


#62
HEPTANE
Concen: 0.9450 PPBV m
RT: 11.027 min Scan# 1298
Delta R.T. -0.000 min
Lab File: 5w55675.D
Acq: 16 Dec 2024 10:33 pm

Tgt Ion: 43 Resp: 49516

Ion	Ratio	Lower	Upper
43	100		
71	47.9	27.2	87.2
57	83.7	22.5	82.5#

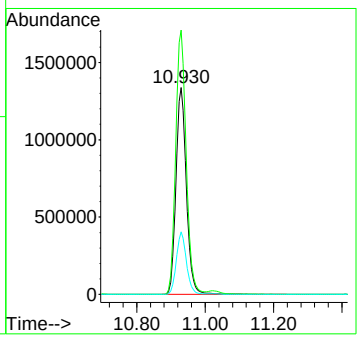


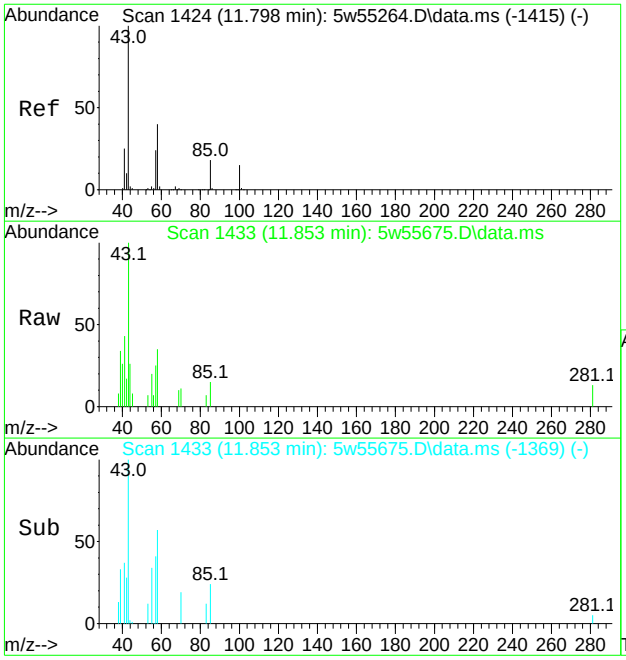


#63
METHYL METHACRYLATE
Concen: 86.3069 PPBV
RT: 10.930 min Scan# 1282
Delta R.T. -0.006 min
Lab File: 5w55675.D
Acq: 16 Dec 2024 10:33 pm

Tgt Ion: 69 Resp: 2834456

Ion	Ratio	Lower	Upper
69	100		
41	131.8	97.3	157.3
100	29.8	3.0	63.0

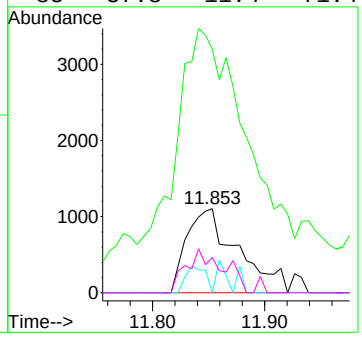


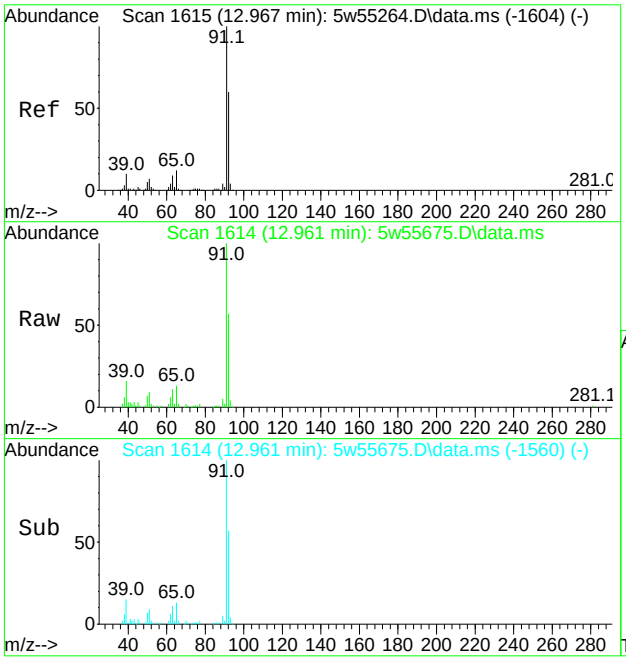


#64
METHYL ISOBUTYL KETONE
Concen: 0.1248 PPBV
RT: 11.853 min Scan# 1433
Delta R.T. 0.061 min
Lab File: 5w55675.D
Acq: 16 Dec 2024 10:33 pm

Tgt Ion: 58 Resp: 3483

Ion	Ratio	Lower	Upper
58	100		
43	446.3	236.1	296.1#
100	12.2	0.7	60.7
85	37.8	11.4	71.4

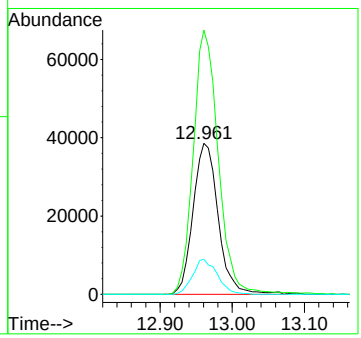


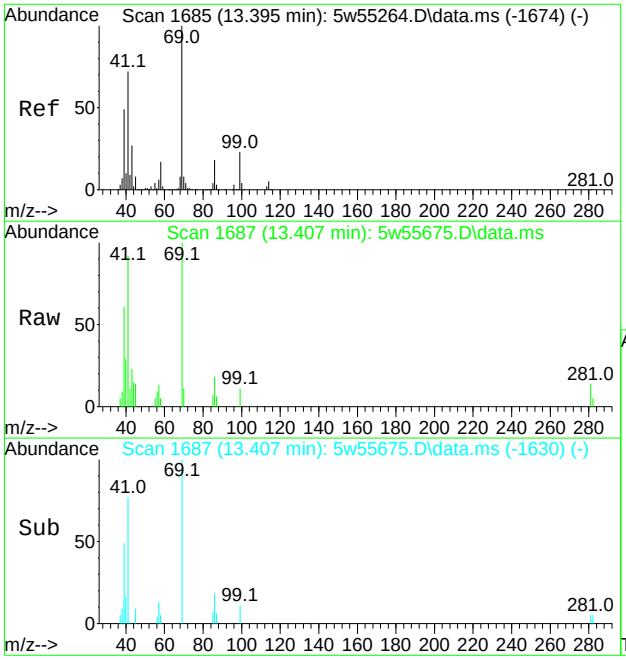


#66
TOLUENE
Concen: 1.3542 PPBV
RT: 12.961 min Scan# 1614
Delta R.T. -0.000 min
Lab File: 5w55675.D
Acq: 16 Dec 2024 10:33 pm

Tgt Ion: 92 Resp: 93571

Ion	Ratio	Lower	Upper
92	100		
91	174.6	143.4	203.4
65	22.9	0.0	53.8

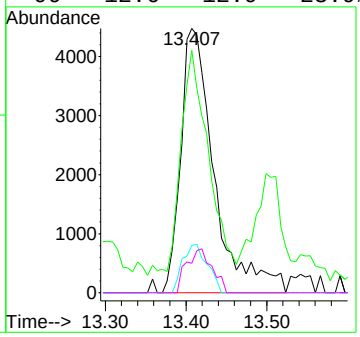


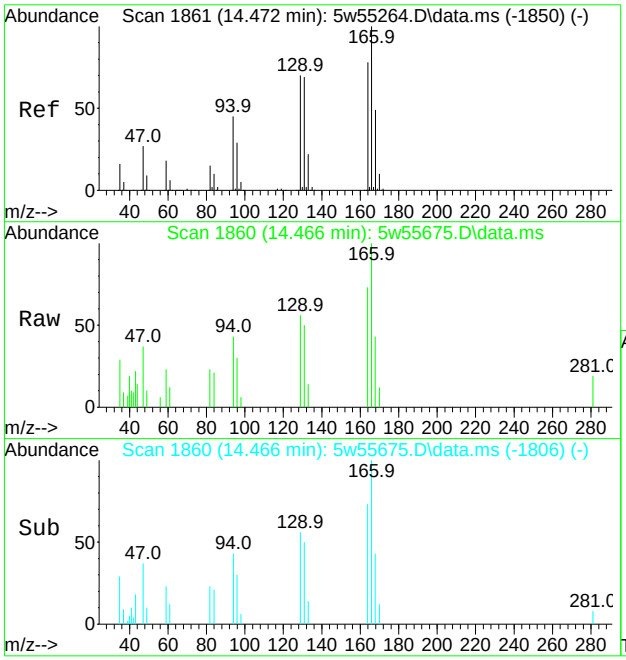


#72
ETHYL METHACRYLATE
Concen: 0.2363 PPBV
RT: 13.407 min Scan# 1687
Delta R.T. 0.018 min
Lab File: 5w55675.D
Acq: 16 Dec 2024 10:33 pm

Tgt Ion: 69 Resp: 12875

Ion	Ratio	Lower	Upper
69	100		
41	68.3	67.8	125.8
86	13.6	11.3	20.9
99	12.6	12.9	23.9#

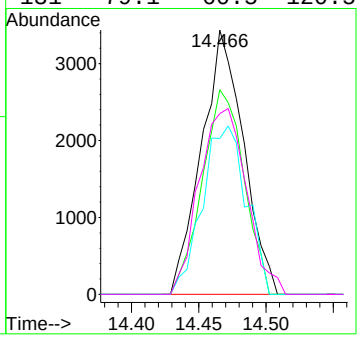


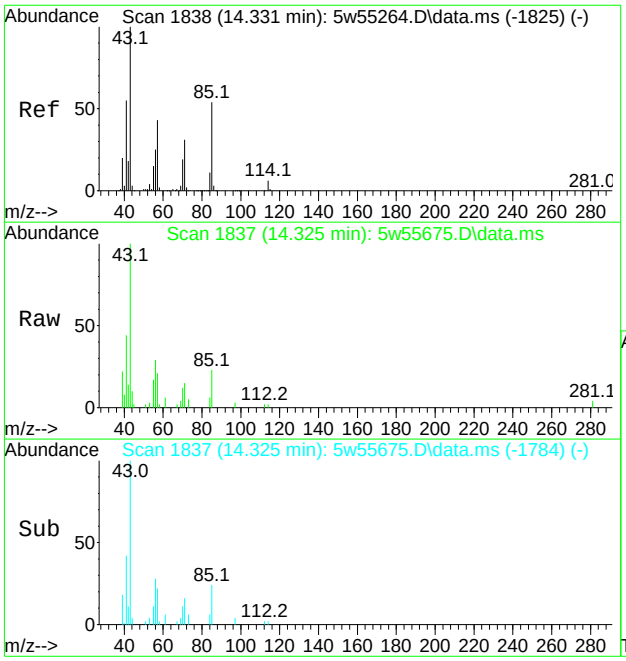


#73
TETRACHLOROETHYLENE
Concen: 0.1451 PPBV
RT: 14.466 min Scan# 1860
Delta R.T. -0.000 min
Lab File: 5w55675.D
Acq: 16 Dec 2024 10:33 pm

Tgt Ion:164 Resp: 7476

Ion	Ratio	Lower	Upper
164	100		
129	76.7	64.4	124.4
168	66.9	31.2	91.2
131	79.1	60.5	120.5

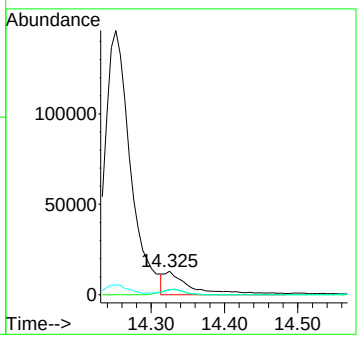


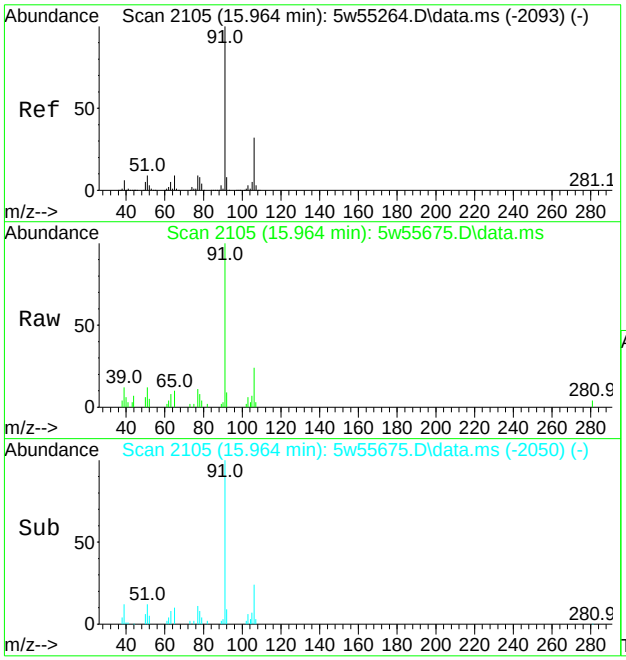


#76
OCTANE
Concen: 0.4895 PPBV m
RT: 14.325 min Scan# 1837
Delta R.T. -0.006 min
Lab File: 5w55675.D
Acq: 16 Dec 2024 10:33 pm

Tgt Ion: 43 Resp: 33914

Ion	Ratio	Lower	Upper
43	100		
85	0.0	13.7	73.7#
57	39.5	9.9	69.9

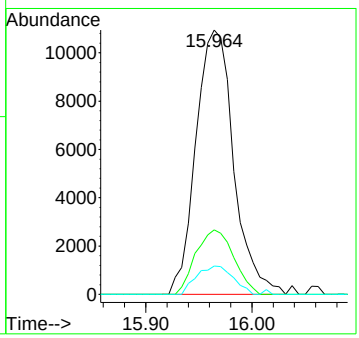


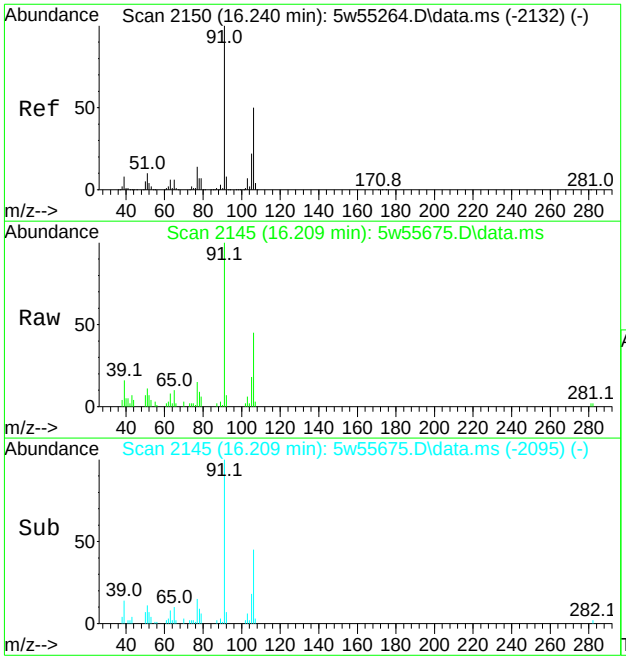


#79
ETHYLBENZENE
Concen: 0.1859 PPBV
RT: 15.964 min Scan# 2105
Delta R.T. 0.006 min
Lab File: 5w55675.D
Acq: 16 Dec 2024 10:33 pm

Tgt Ion: 91 Resp: 27039

Ion	Ratio	Lower	Upper
91	100		
106	24.5	0.0	59.9
77	10.4	0.0	39.1

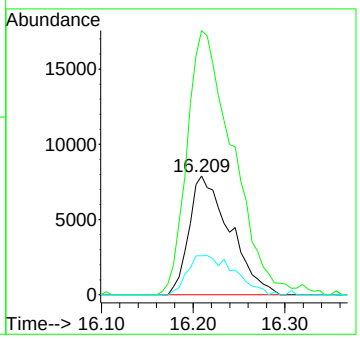


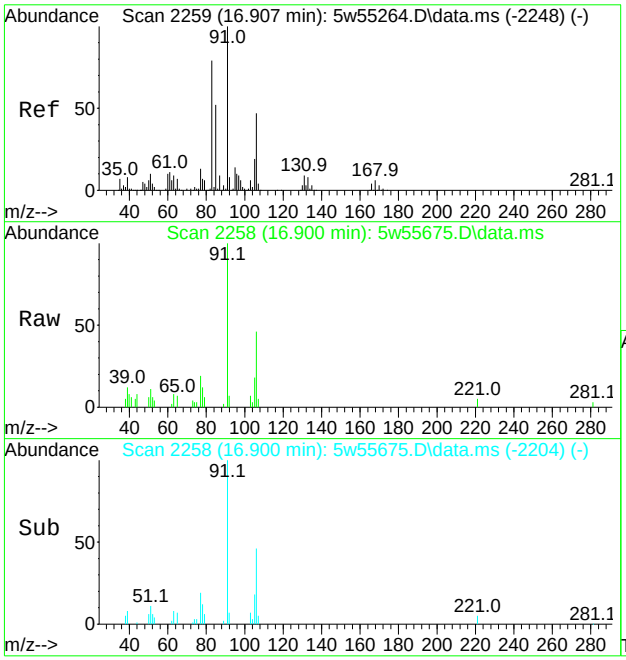


#80
m,p-XYLENE
Concen: 0.4433 PPBV
RT: 16.209 min Scan# 2145
Delta R.T. -0.025 min
Lab File: 5w55675.D
Acq: 16 Dec 2024 10:33 pm

Tgt Ion:106 Resp: 24461

Ion	Ratio	Lower	Upper
106	100		
91	222.5	181.2	241.2
77	32.8	0.1	60.1

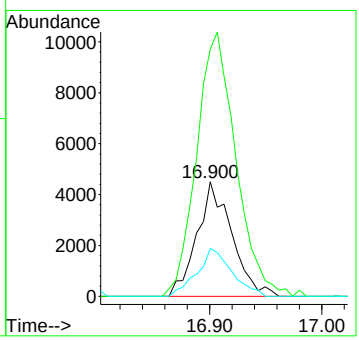


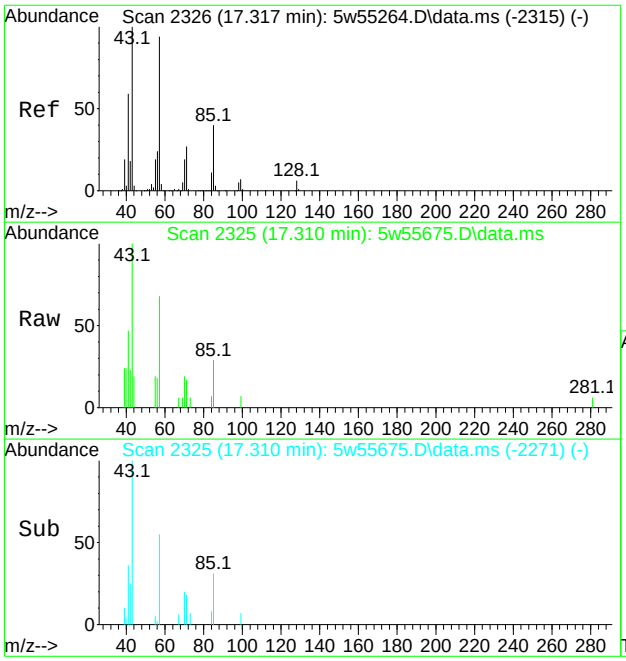


#81
o-XYLENE
Concen: 0.1815 PPBV
RT: 16.900 min Scan# 2258
Delta R.T. -0.000 min
Lab File: 5w55675.D
Acq: 16 Dec 2024 10:33 pm

Tgt Ion:106 Resp: 9721

Ion	Ratio	Lower	Upper
106	100		
91	260.8	193.4	253.4#
77	41.8	0.0	59.8

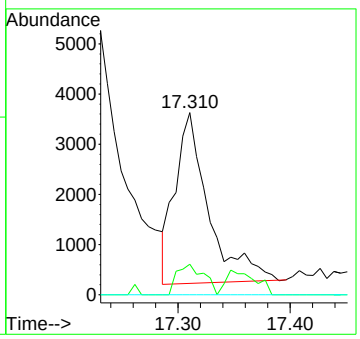


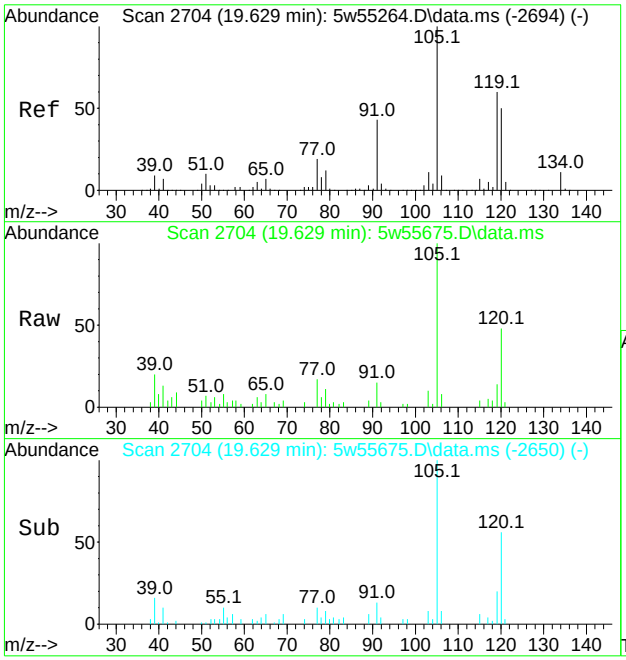


#83
NONANE
Concen: 0.0972 PPBV
RT: 17.310 min Scan# 2325
Delta R.T. -0.000 min
Lab File: 5w55675.D
Acq: 16 Dec 2024 10:33 pm

Tgt Ion: 43 Resp: 7031

Ion	Ratio	Lower	Upper
43	100		
71	14.4	0.0	53.8
128	0.0	0.0	34.3

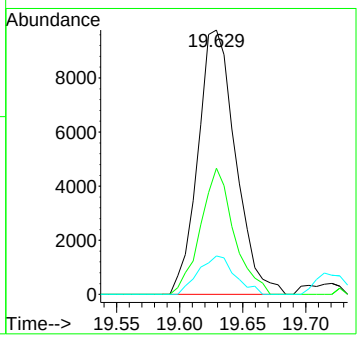


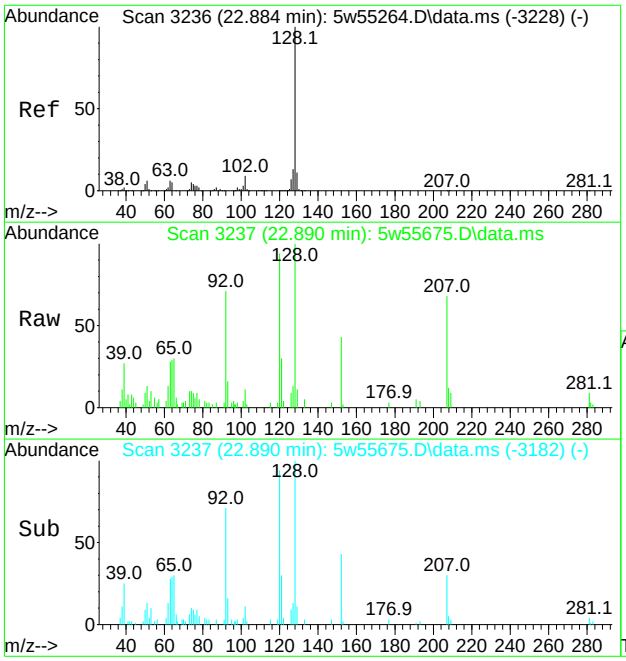


#96
1,2,4-TRIMETHYLBENZENE
Concen: 0.1474 PPBV
RT: 19.629 min Scan# 2704
Delta R.T. -0.000 min
Lab File: 5w55675.D
Acq: 16 Dec 2024 10:33 pm

Tgt Ion:105 Resp: 20216

Ion	Ratio	Lower	Upper
105	100		
120	42.3	22.6	82.6
119	14.0	69.7	129.7#

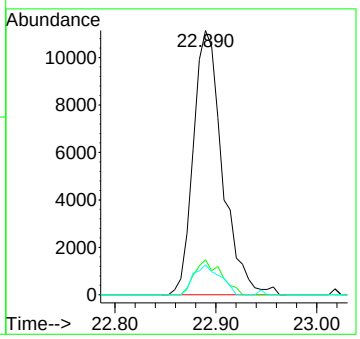




#108
NAPHTHALENE
Concen: 0.1164 PPBV
RT: 22.890 min Scan# 3237
Delta R.T. 0.006 min
Lab File: 5w55675.D
Acq: 16 Dec 2024 10:33 pm

Tgt Ion:128 Resp: 22317

Ion	Ratio	Lower	Upper
128	100		
127	12.2	0.0	43.1
129	10.3	0.0	41.1



7.4.1

7

Manual Integration Approval Summary

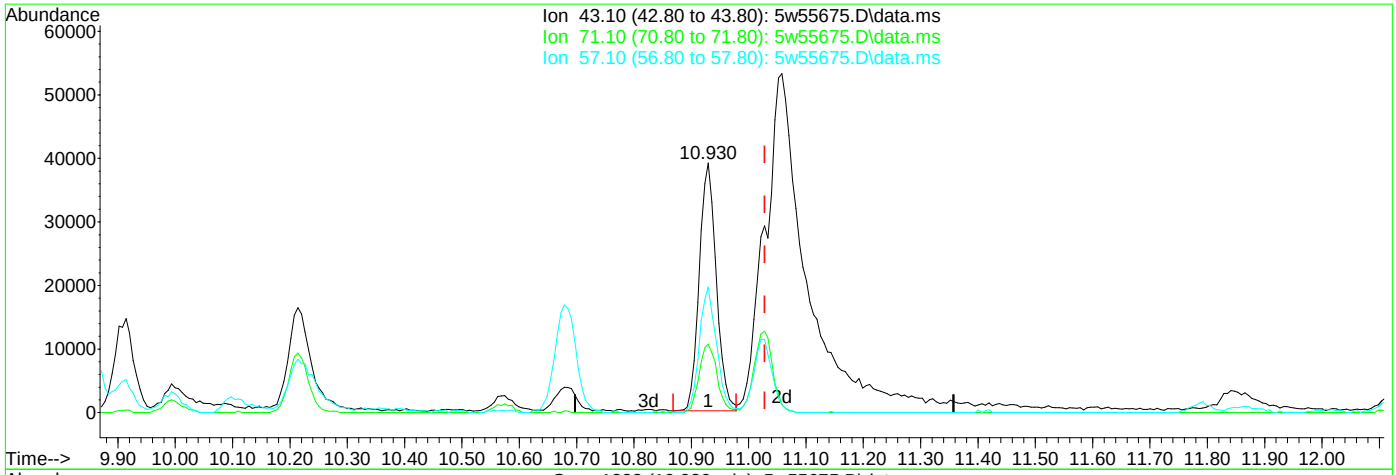
Sample Number: JE2487-4DUP
Lab FileID: 5W55675.D
Injection Time: 12/16/24 22:33
Method: TO-15
Analyst approved: 12/17/24 19:19 Kristel Valladolid
Supervisor approved: 12/18/24 22:00 Kanya Veerawat

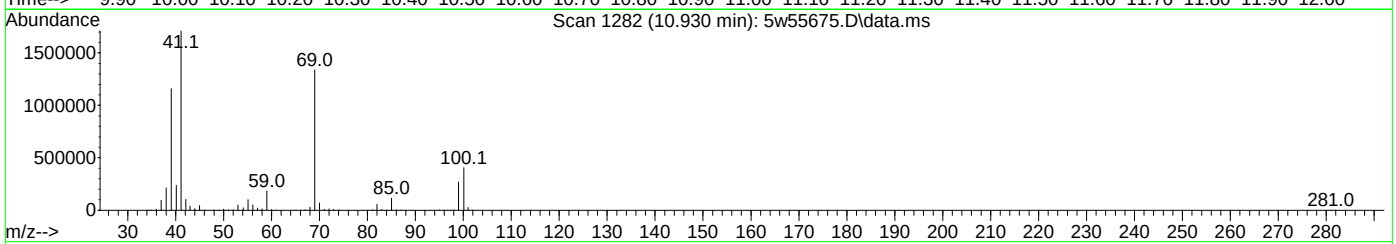
Parameter	CAS	Sig#	R.T. (min.)	Reason
Heptane	142-82-5		11.03	Overlapping peak
Octane	111-65-9		14.32	Overlapping peak

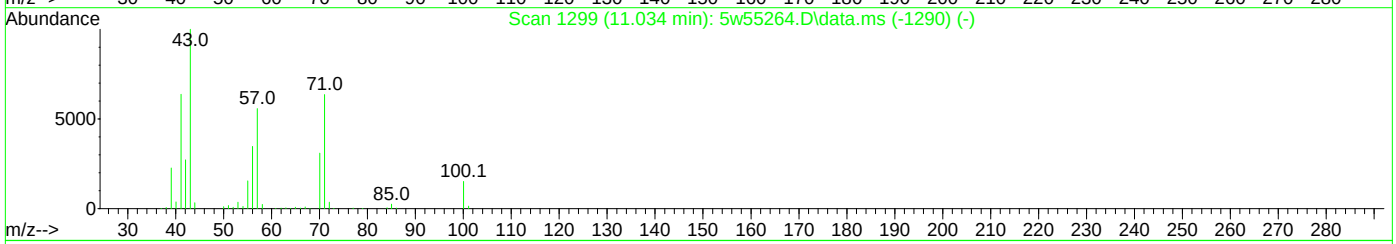
Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\luckyc\17 December 2024\v5w2132\
Data File : 5w55675.D
Acq On : 16 Dec 2024 10:33 pm
Operator : thomash
Sample : je2487-4 Inst : GCMS5W
Misc : MS88104,V5W2132,500,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 17 11:31:21 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration







TIC: 5w55675.D\data.ms

(62) HEPTANE

10.930min (-0.098) 1.54PPBV

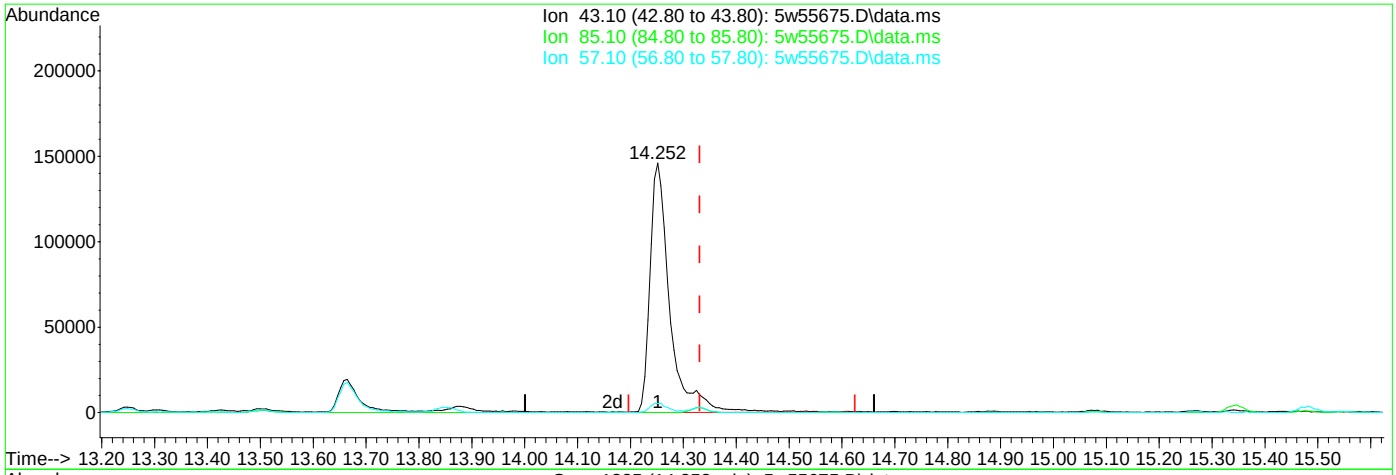
response 80578

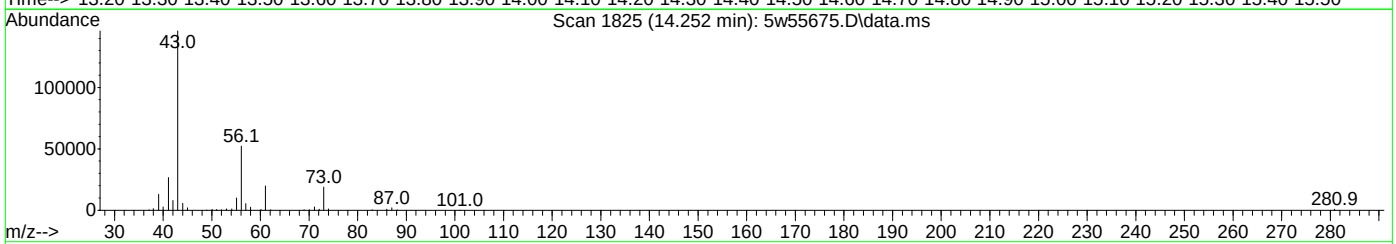
Ion	Exp%	Act%
43.10	100	100
71.10	57.20	29.42
57.10	52.50	51.41
0.00	0.00	0.00

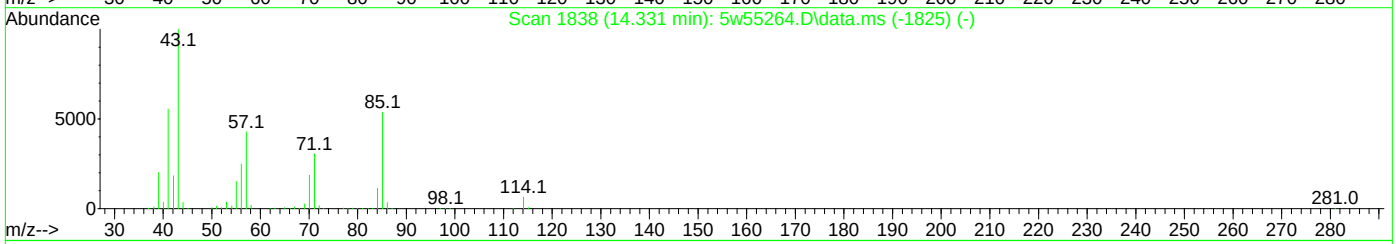
Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\luckyc\17 December 2024\v5w2132\
Data File : 5w55675.D
Acq On : 16 Dec 2024 10:33 pm
Operator : thomash
Sample : je2487-4 Inst : GCMS5W
Misc : MS88104,V5W2132,500,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 17 12:06:07 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration







TIC: 5w55675.D\data.ms

(76) OCTANE

14.252min (-0.080) 5.56PPBV

response 385233

Ion	Exp%	Act%
43.10	100	100
85.10	43.70	0.00#
57.10	39.90	3.47#
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 12/20/24 20:19

Quantitation Report (QT Reviewed)

Data Path : G:\Dayton\MSAIR\Done\2024\December\18 Dec 2024\V5W2133\
Data File : 5w55717.D
Acq On : 18 Dec 2024 9:29 am
Operator : thomash
Sample : je2488-2dup
Misc : MS88104,V5W2133,500,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 20 20:13:18 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

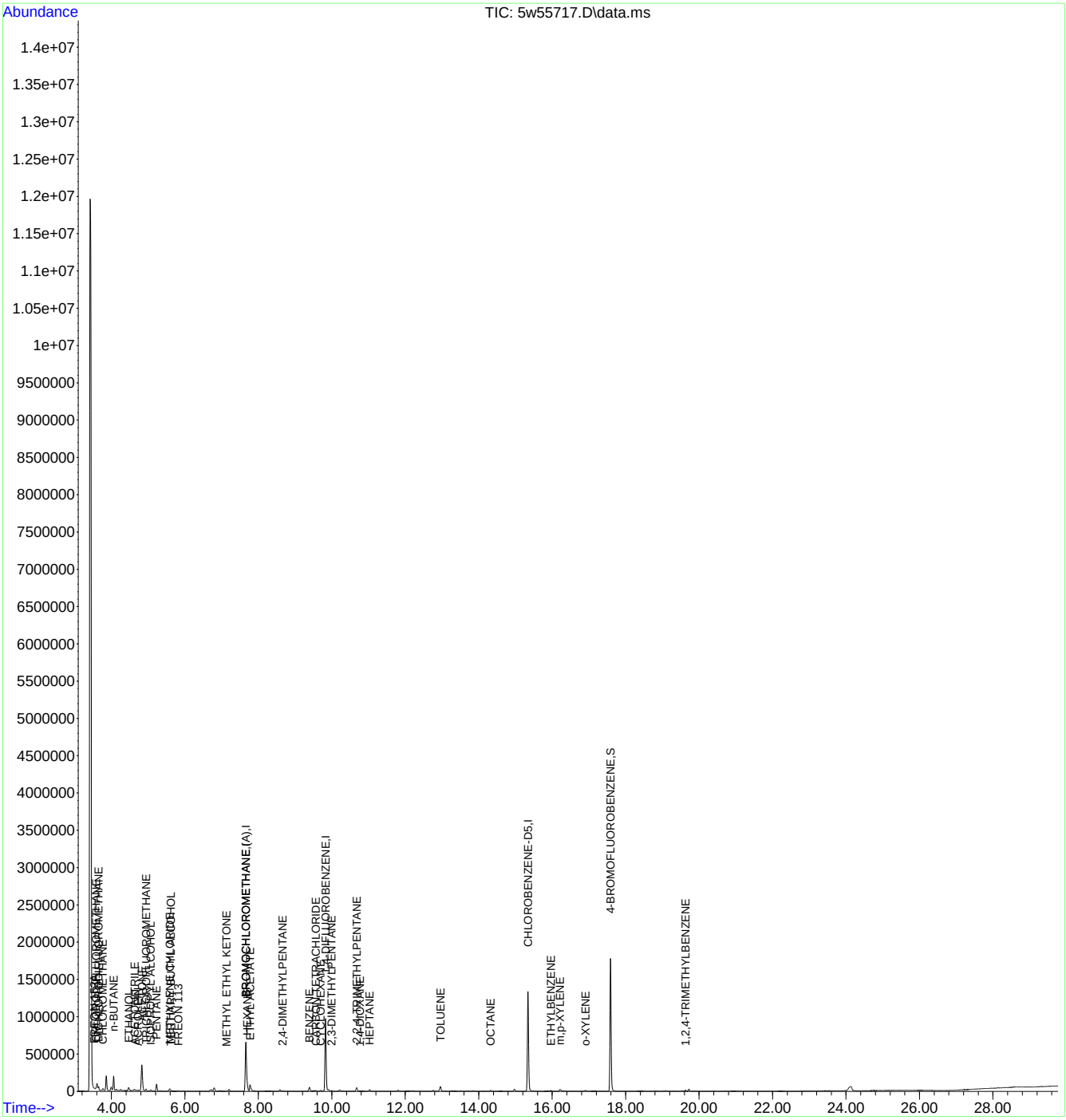
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	7.663	128	156769	10.00	PPBV	0.00
51) 1,4-DIFLUOROBENZENE	9.829	114	796945	10.00	PPBV	0.00
70) CHLOROBENZENE-D5	15.341	82	502343	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	7.663	128	156769	10.00	PPBV	0.00
System Monitoring Compounds						
85) 4-BROMOFLUOROBENZENE	17.586	95	595808	10.60	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 106.00%			
Target Compounds						Qvalue
3) FREON 152A	3.540	65	3081	0.27	PPBV #	12
4) CHLORODIFLUOROMETHANE	3.576	67	2376	0.40	PPBV	81
6) DICHLORODIFLUOROMETHANE	3.650	85	41107	0.72	PPBV	98
10) CHLOROMETHANE	3.766	52	7350	0.99	PPBV	86
13) n-BUTANE	4.060	43	164897	4.92	PPBV	96
17) ACETONITRILE	4.629	41	23651	1.22	PPBV	94
18) ACROLEIN	4.720	56	6082	0.72	PPBV	89
21) TRICHLOROFLUOROMETHANE	4.941	101	21099	0.40	PPBV	95
22) ISOPROPYL ALCOHOL	5.075	45	20961	0.62	PPBV	87
23) ACETONE	4.837	58	90583	7.16	PPBV	98
24) PENTANE	5.228	42	42490	2.55	PPBV	97
28) ETHANOL	4.470	45	51672	4.20	PPBV	96
31) METHYLENE CHLORIDE	5.589	84	13242	0.81	PPBV	84
33) FREON 113	5.815	151	2590	0.09	PPBV	88
35) TERTIARY BUTYL ALCOHOL	5.626	59	3127	0.10	PPBV #	1
38) HEXANE	7.700	57	29755	1.21	PPBV	88
41) METHYL ETHYL KETONE	7.131	72	1558m	0.23	PPBV	
44) ETHYL ACETATE	7.773	61	16258	3.24	PPBV #	72
47) 2,4-DIMETHYLPENTANE	8.660	57	2940	0.11	PPBV	78
49) CARBON TETRACHLORIDE	9.559	117	3996	0.09	PPBV	92
52) BENZENE	9.394	78	55338	0.96	PPBV	98
53) CYCLOHEXANE	9.694	84	4104	0.19	PPBV #	70
54) 2,3-DIMETHYLPENTANE	9.994	71	1495	0.13	PPBV #	63
60) 2,2,4-TRIMETHYLPENTANE	10.679	57	40594	0.46	PPBV	82
61) 1,4-DIOXANE	10.765	88	2063	0.15	PPBV #	1
62) HEPTANE	11.028	43	10550	0.34	PPBV	87
66) TOLUENE	12.961	92	30255	0.75	PPBV	95
76) OCTANE	14.325	43	6737	0.15	PPBV	72
79) ETHYLBENZENE	15.965	91	11469	0.12	PPBV	94
80) m,p-XYLENE	16.215	106	11351	0.32	PPBV	94
81) o-XYLENE	16.901	106	4250	0.12	PPBV #	78
96) 1,2,4-TRIMETHYLBENZENE	19.629	105	8380	0.10	PPBV #	37

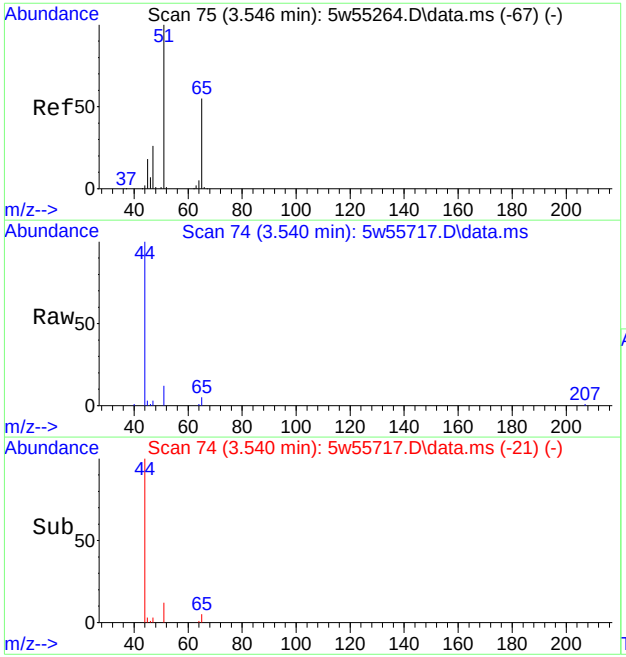
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : G:\Dayton\MSAIR\Done\2024\December\18 Dec 2024\V5W2133\
Data File : 5w55717.D
Acq On : 18 Dec 2024 9:29 am
Operator : thomash
Sample : je2488-2dup
Misc : MS88104,V5W2133,500,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 20 20:13:18 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

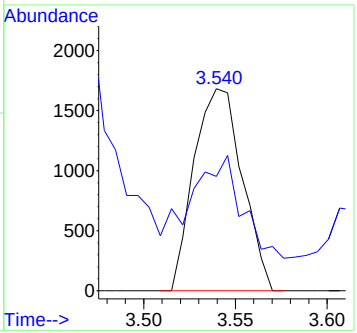


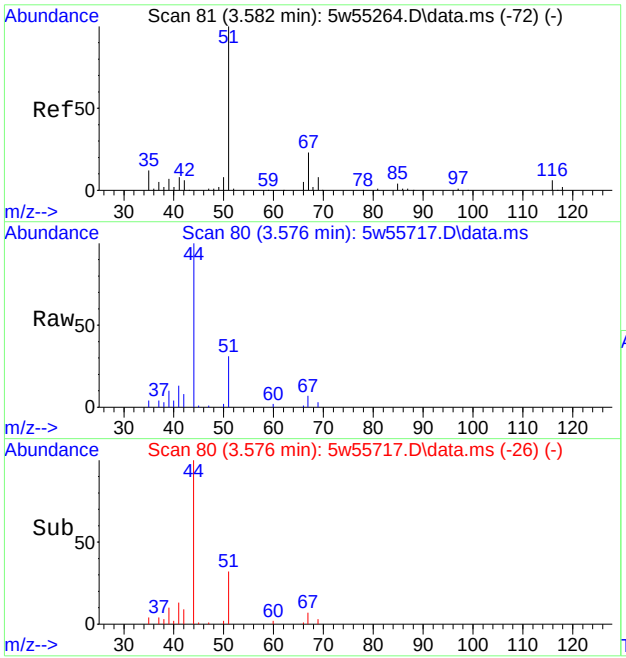


#3
FREON 152A
Concen: 0.27 PPBV
RT: 3.540 min Scan# 74
Delta R.T. -0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 65 Resp: 3081

Ion	Ratio	Lower	Upper
65	100		
45	80.6	1.8	61.8#

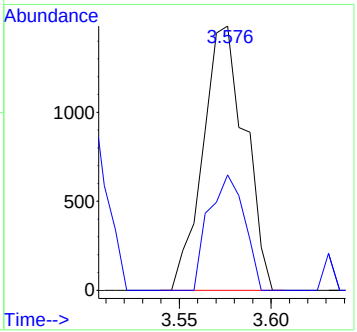


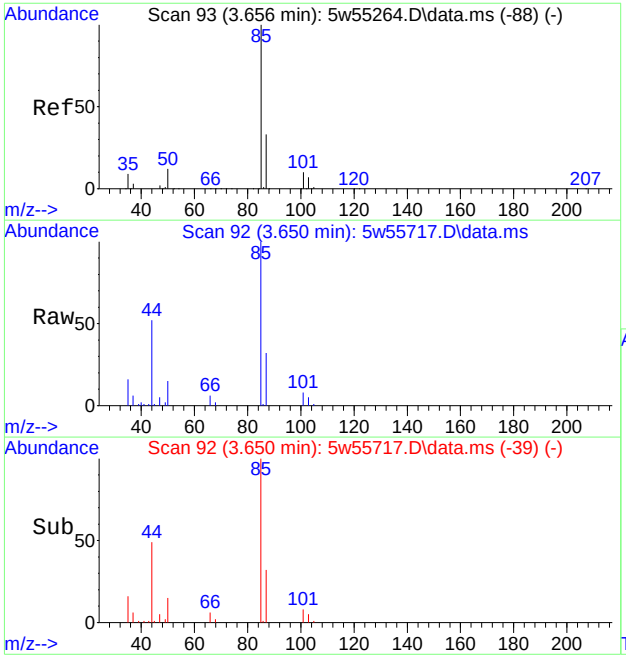


#4
CHLORODIFLUOROMETHANE
Concen: 0.40 PPBV
RT: 3.576 min Scan# 80
Delta R.T. 0.000 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 67 Resp: 2376

Ion	Ratio	Lower	Upper
67	100		
69	43.7	2.9	62.9

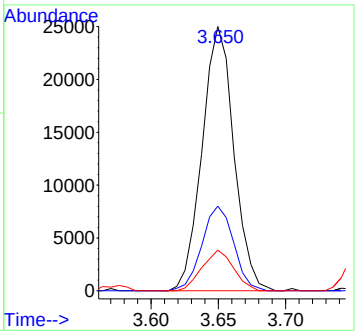


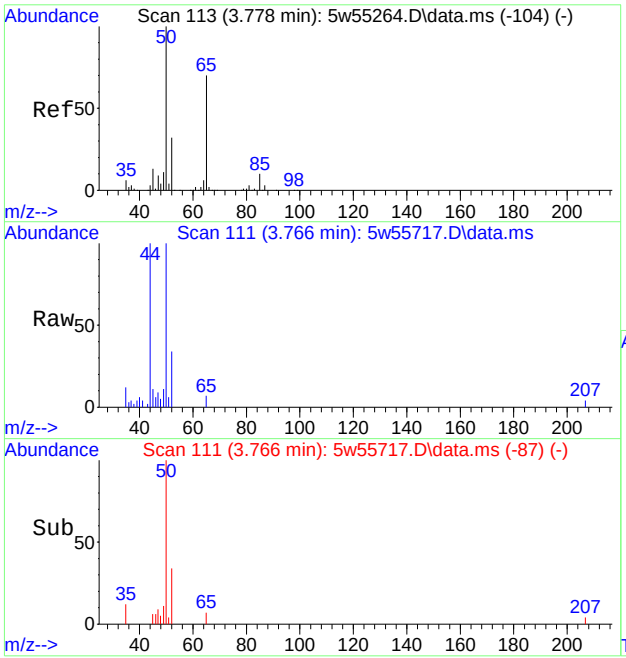


#6
DICHLORODIFLUOROMETHANE
Concen: 0.72 PPBV
RT: 3.650 min Scan# 92
Delta R.T. -0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 85 Resp: 41107

Ion	Ratio	Lower	Upper
85	100		
87	31.9	2.6	62.6
50	15.2	0.0	43.0

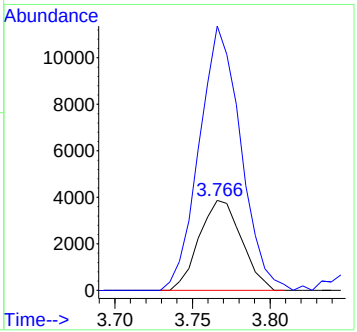


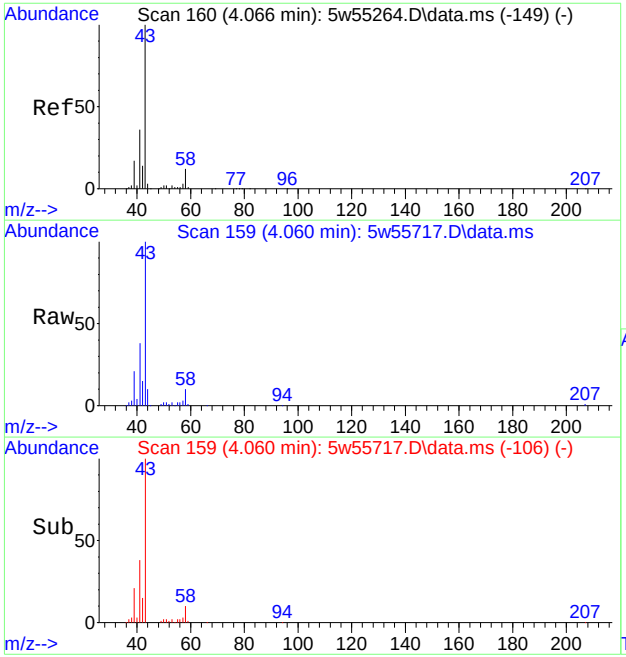


#10
CHLOROMETHANE
Concen: 0.99 PPBV
RT: 3.766 min Scan# 111
Delta R.T. -0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 52 Resp: 7350

Ion	Ratio	Lower	Upper
52	100		
50	290.3	287.9	347.9

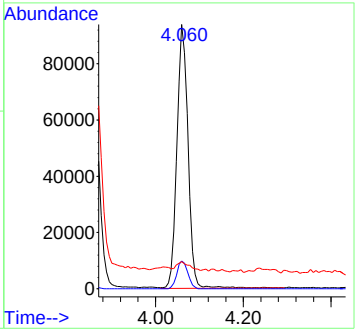


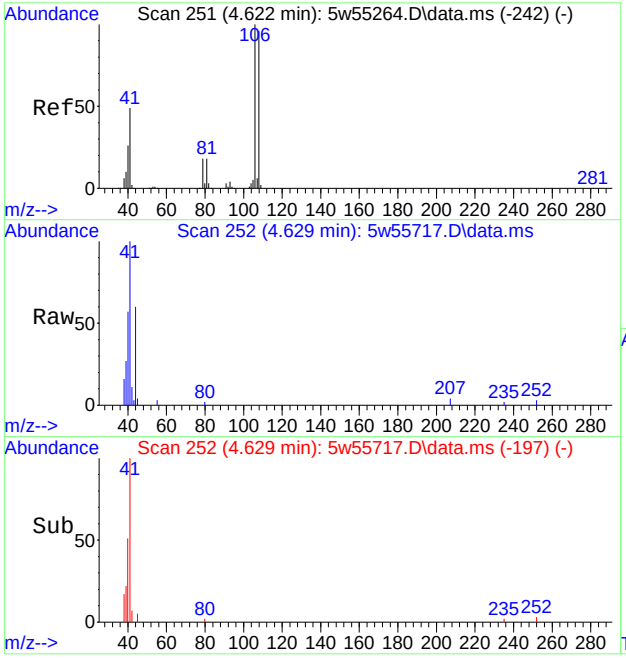


#13
n-BUTANE
Concen: 4.92 PPBV
RT: 4.060 min Scan# 159
Delta R.T. -0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 43 Resp: 164897

Ion	Ratio	Lower	Upper
43	100		
58	10.4	0.0	41.6
44	6.2	0.0	34.7

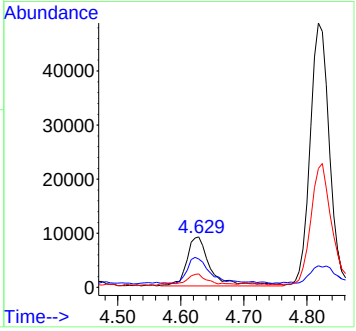


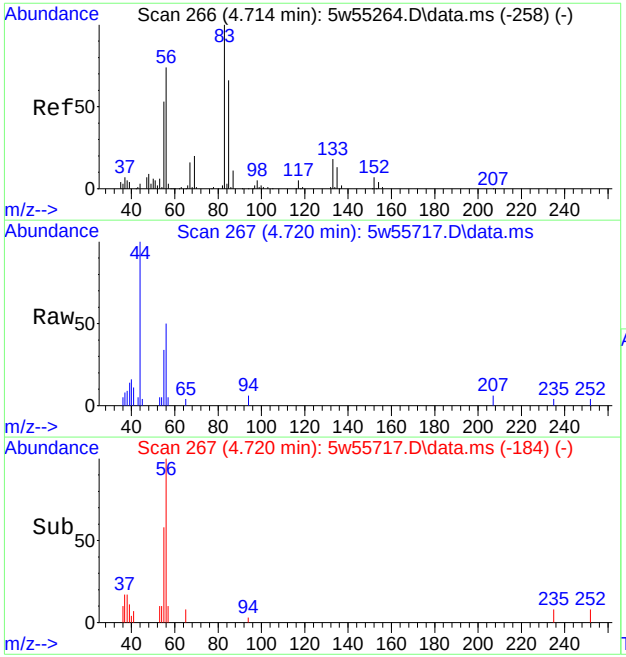


#17
ACETONITRILE
Concen: 1.22 PPBV
RT: 4.629 min Scan# 252
Delta R.T. 0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 41 Resp: 23651

Ion	Ratio	Lower	Upper
41	100		
40	57.5	38.4	71.4
39	25.2	13.7	25.5

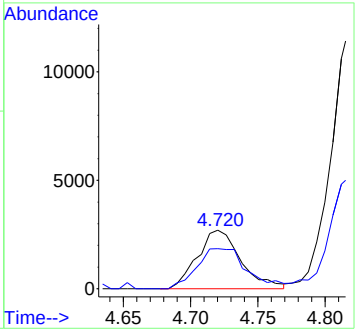


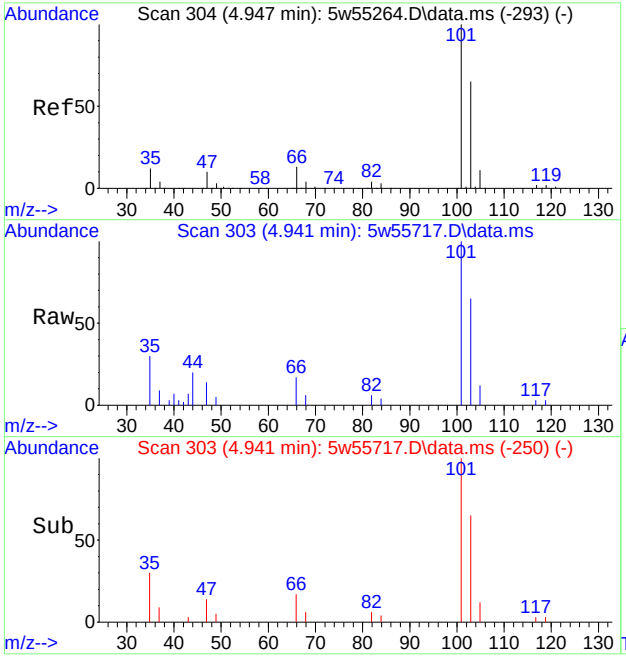


#18
ACROLEIN
Concen: 0.72 PPBV
RT: 4.720 min Scan# 267
Delta R.T. 0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 56 Resp: 6082

Ion	Ratio	Lower	Upper
56	100		
55	80.5	49.8	92.6

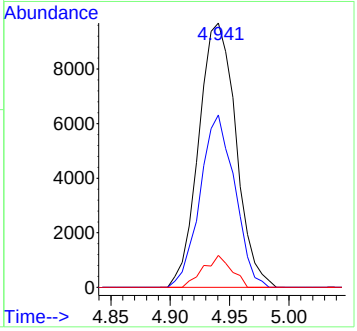


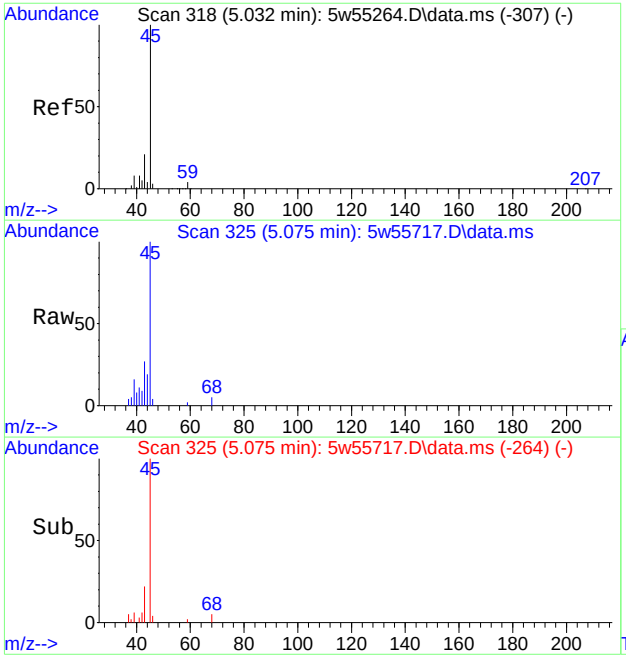


#21
TRICHLOROFLUOROMETHANE
Concen: 0.40 PPBV
RT: 4.941 min Scan# 303
Delta R.T. -0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion:101 Resp: 21099

Ion	Ratio	Lower	Upper
101	100		
103	60.7	34.7	94.7
105	9.1	0.0	40.5

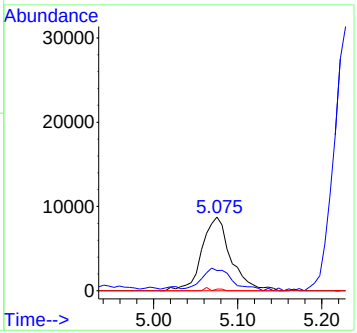


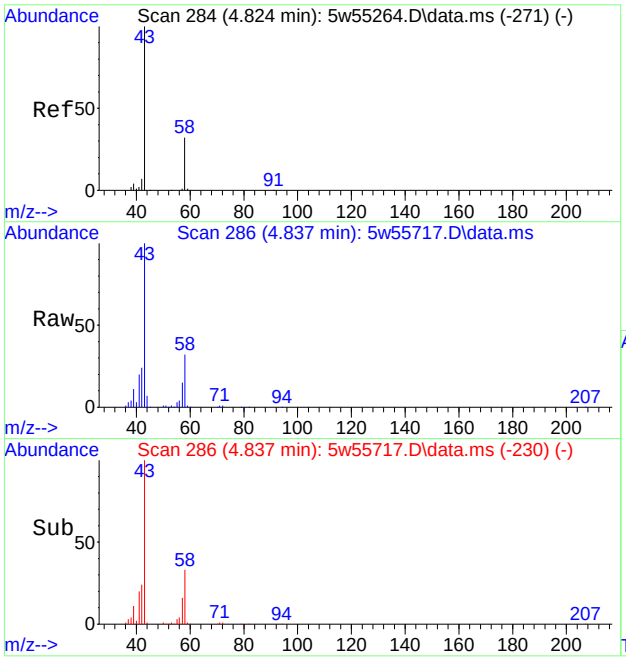


#22
ISOPROPYL ALCOHOL
Concen: 0.62 PPBV
RT: 5.075 min Scan# 325
Delta R.T. 0.043 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 45 Resp: 20961

Ion	Ratio	Lower	Upper
45	100		
43	27.4	0.0	50.8
59	2.3	0.0	33.8

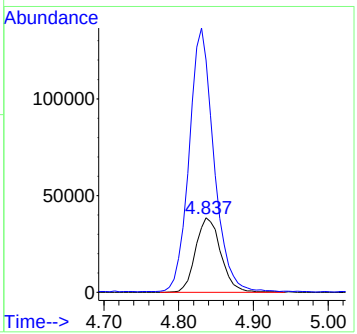


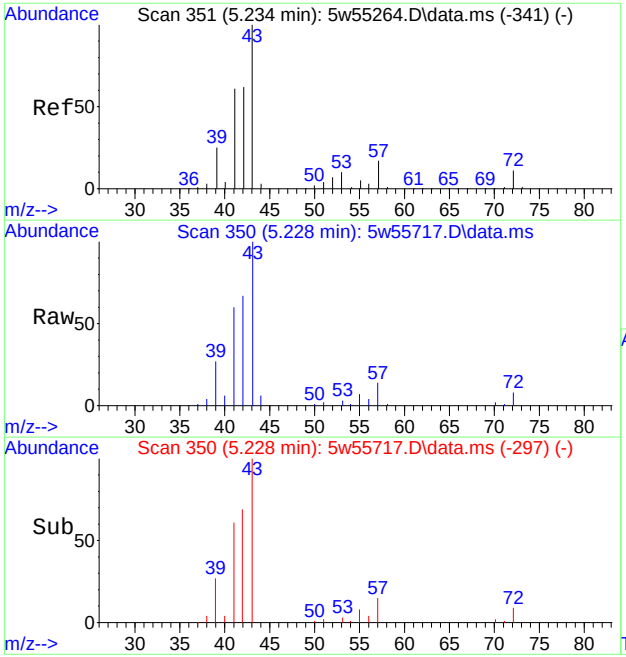


#23
ACETONE
Concen: 7.16 PPBV
RT: 4.837 min Scan# 286
Delta R.T. 0.012 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 58 Resp: 90583

Ion	Ratio	Lower	Upper
58	100		
43	346.9	312.3	372.3

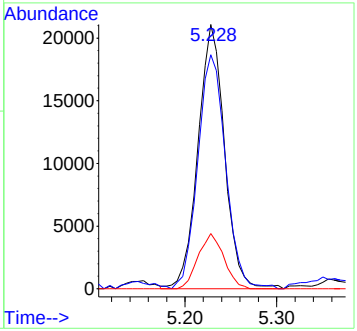


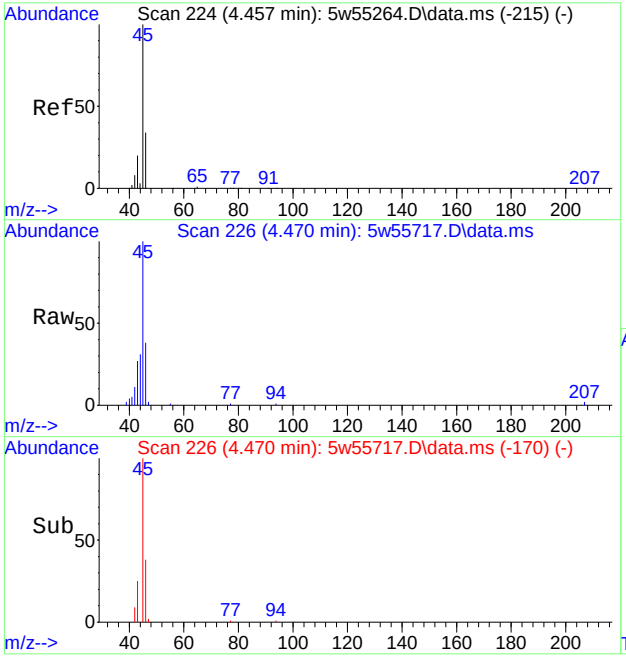


#24
PENTANE
Concen: 2.55 PPBV
RT: 5.228 min Scan# 350
Delta R.T. -0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 42 Resp: 42490

Ion	Ratio	Lower	Upper
42	100		
41	92.6	64.4	124.4
57	20.3	0.0	55.0

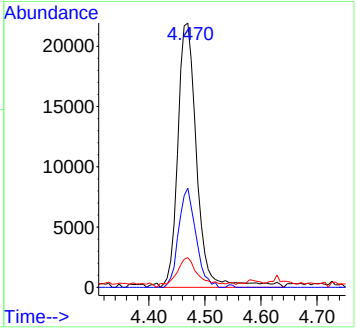


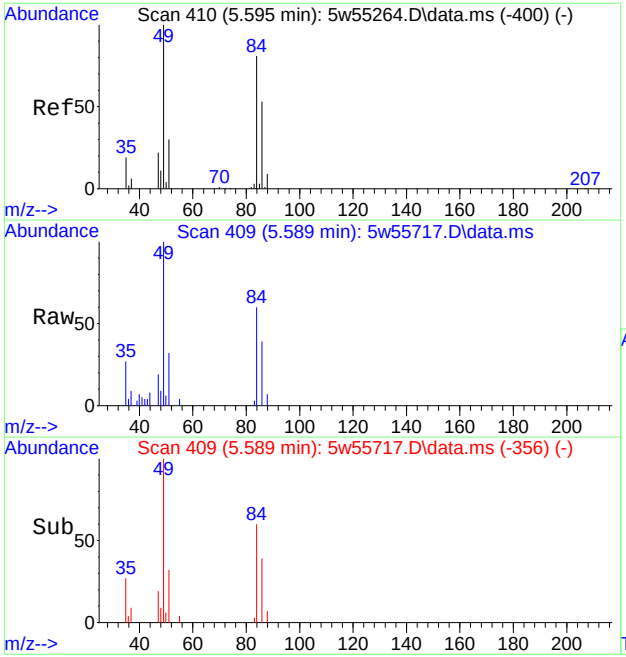


#28
ETHANOL
Concen: 4.20 PPBV
RT: 4.470 min Scan# 226
Delta R.T. 0.012 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 45 Resp: 51672

Ion	Ratio	Lower	Upper
45	100		
46	34.1	4.5	64.5
42	14.5	0.0	38.6

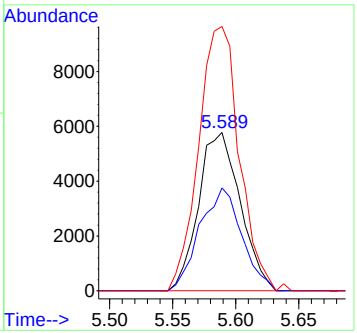


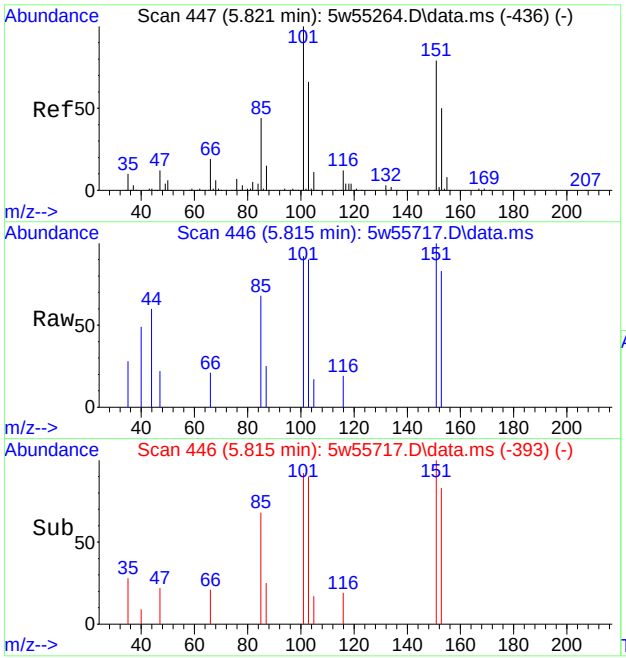


#31
METHYLENE CHLORIDE
Concen: 0.81 PPBV
RT: 5.589 min Scan# 409
Delta R.T. -0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 84 Resp: 13242

Ion	Ratio	Lower	Upper
84	100		
86	65.5	34.0	94.0
49	163.4	105.8	165.8

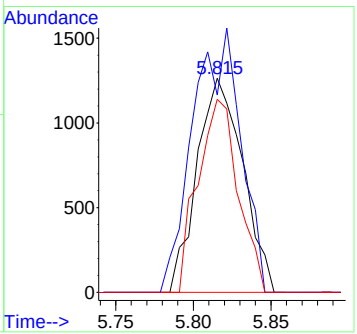


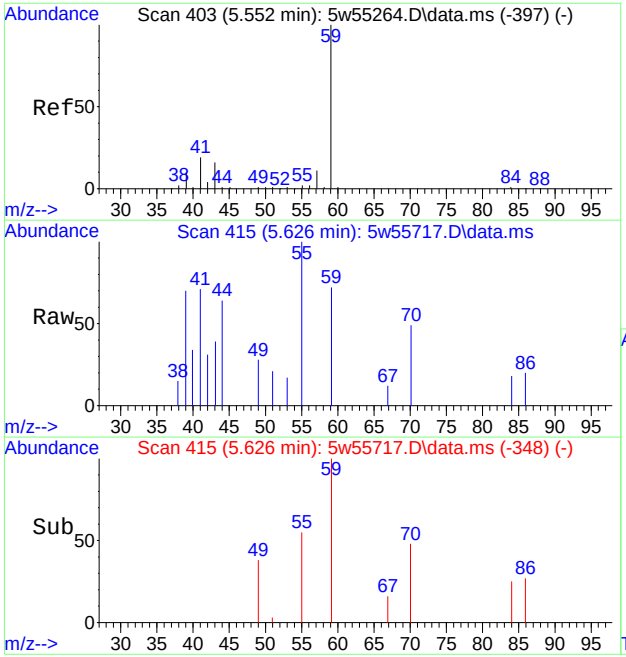


#33
FREON 113
Concen: 0.09 PPBV
RT: 5.815 min Scan# 446
Delta R.T. -0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion:151 Resp: 2590

Ion	Ratio	Lower	Upper
151	100		
101	128.7	112.2	172.2
103	79.4	62.0	122.0

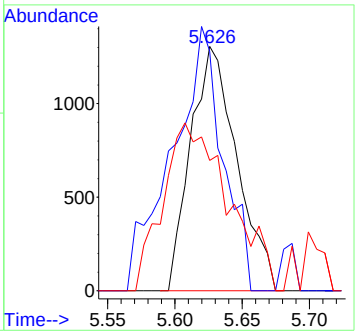


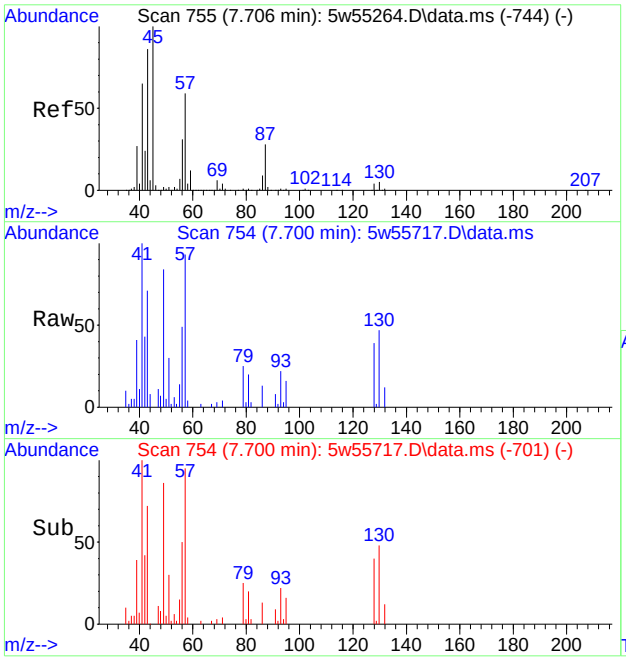


#35
TERTIARY BUTYL ALCOHOL
Concen: 0.10 PPBV
RT: 5.626 min Scan# 415
Delta R.T. 0.080 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 59 Resp: 3127

Ion	Ratio	Lower	Upper
59	100		
41	118.1	0.0	53.1#
43	98.1	0.0	47.1#

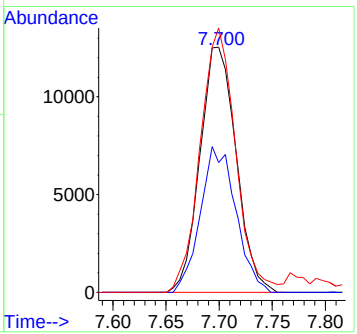


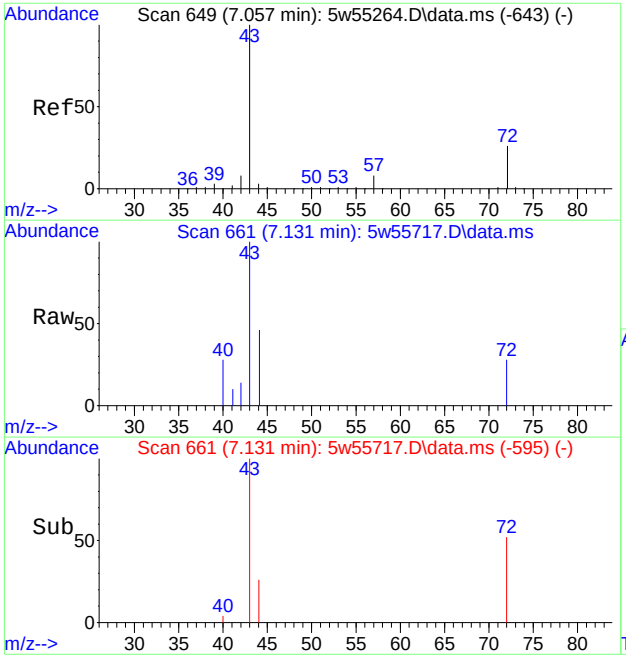


#38
HEXANE
Concen: 1.21 PPBV
RT: 7.700 min Scan# 754
Delta R.T. -0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 57 Resp: 29755

Ion	Ratio	Lower	Upper
57	100		
56	58.1	24.2	84.2
41	105.3	92.1	152.1

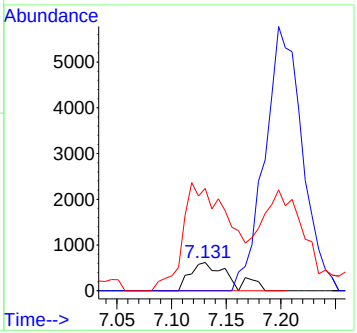


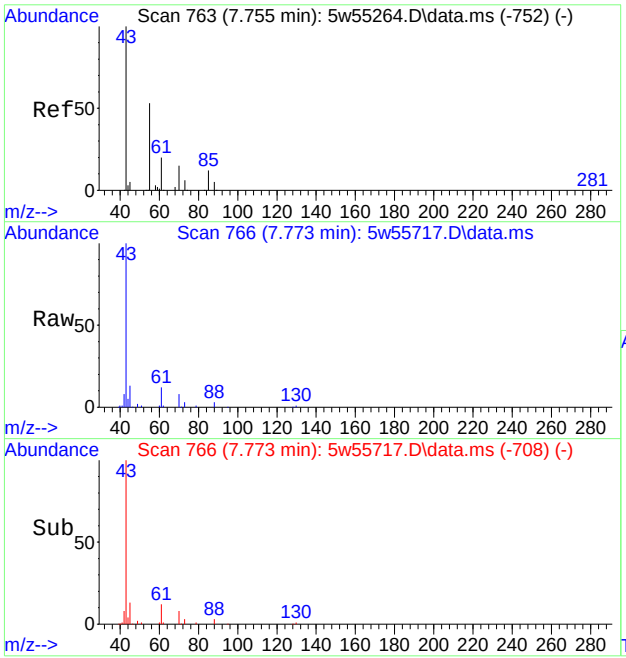


#41
METHYL ETHYL KETONE
Concen: 0.23 PPBV m
RT: 7.131 min Scan# 661
Delta R.T. 0.073 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 72 Resp: 1558

Ion	Ratio	Lower	Upper
72	100		
57	0.0	1.1	61.1#
43	361.9	390.6	450.6#

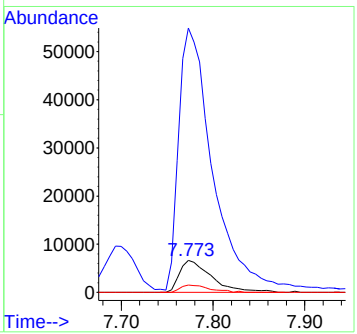


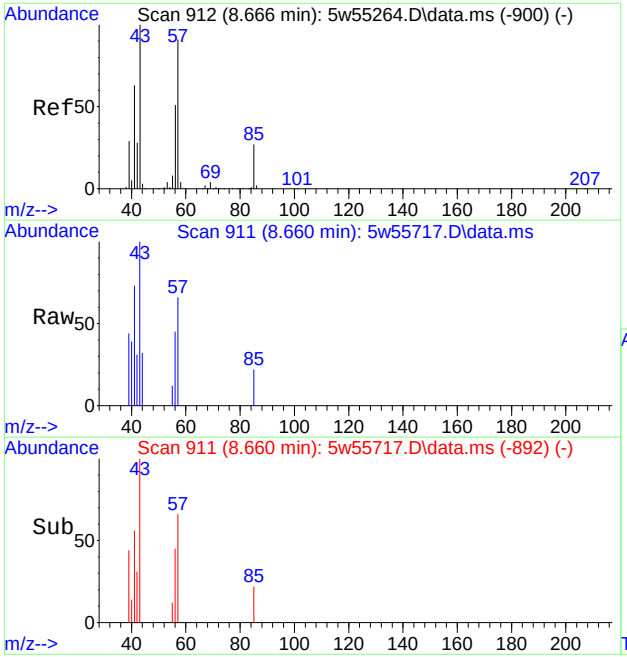


#44
ETHYL ACETATE
Concen: 3.24 PPBV
RT: 7.773 min Scan# 766
Delta R.T. 0.024 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 61 Resp: 16258

Ion	Ratio	Lower	Upper
61	100		
43	898.0	0.0	30.0#
88	20.8	7.3	67.3

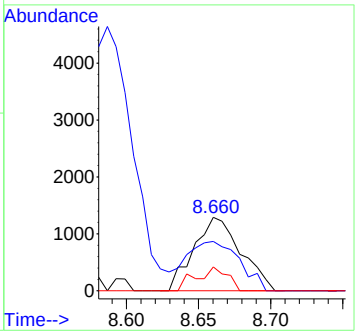


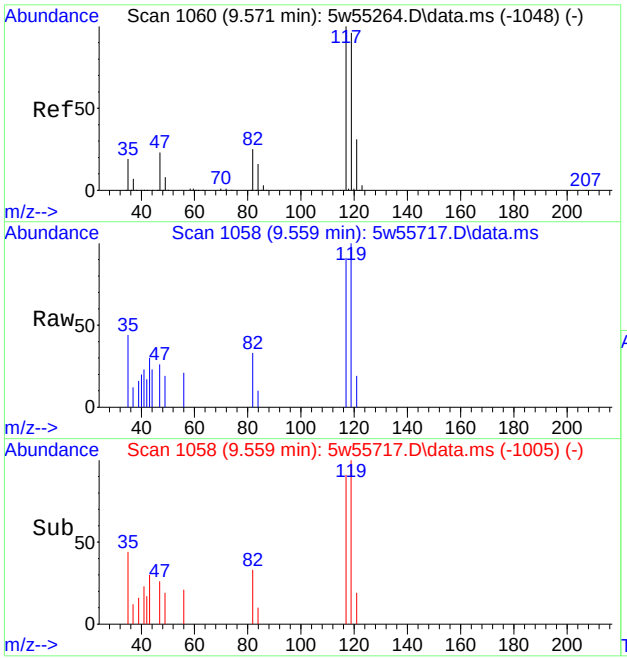


#47
2,4-DIMETHYLPENTANE
Concen: 0.11 PPBV
RT: 8.660 min Scan# 911
Delta R.T. -0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 57 Resp: 2940

Ion	Ratio	Lower	Upper
57	100		
56	76.5	26.4	86.4
85	21.3	0.0	56.0

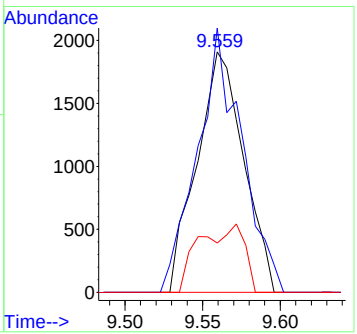


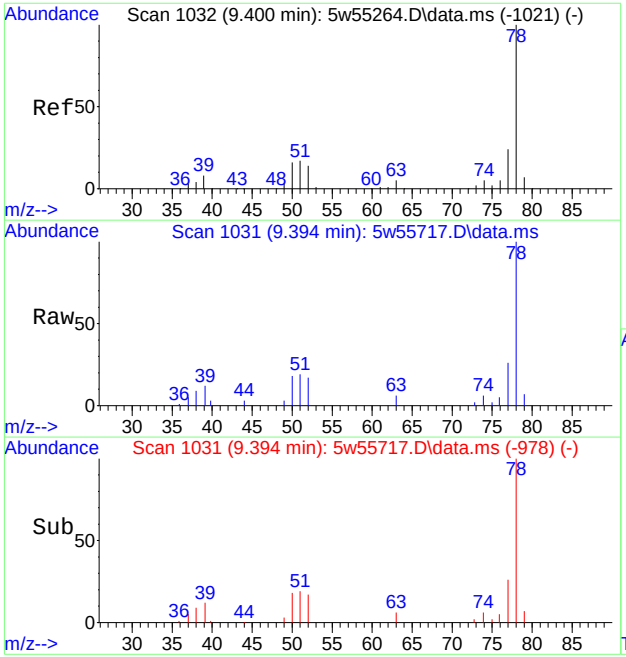


#49
CARBON TETRACHLORIDE
Concen: 0.09 PPBV
RT: 9.559 min Scan# 1058
Delta R.T. -0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion:117 Resp: 3996

Ion	Ratio	Lower	Upper
117	100		
119	104.8	65.9	125.9
121	27.3	0.7	60.7

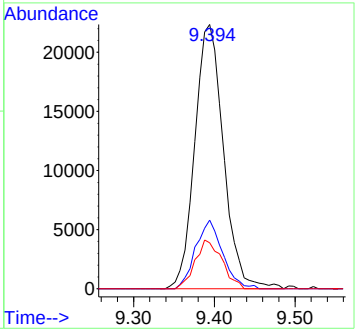


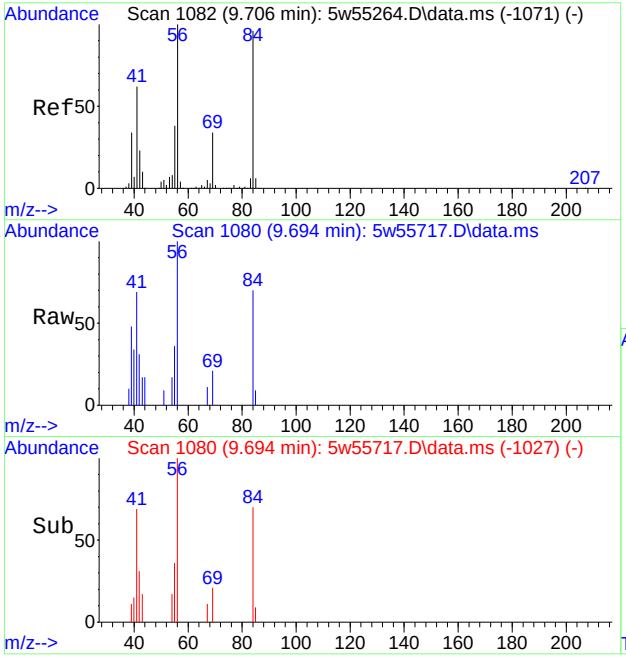


#52
BENZENE
Concen: 0.96 PPBV
RT: 9.394 min Scan# 1031
Delta R.T. -0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 78 Resp: 55338

Ion	Ratio	Lower	Upper
78	100		
77	24.5	0.0	54.0
52	17.3	0.0	45.6

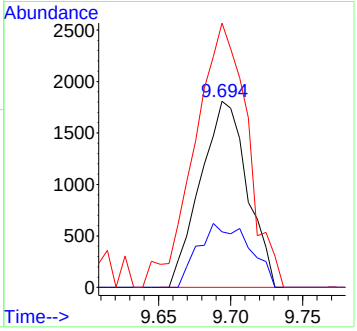


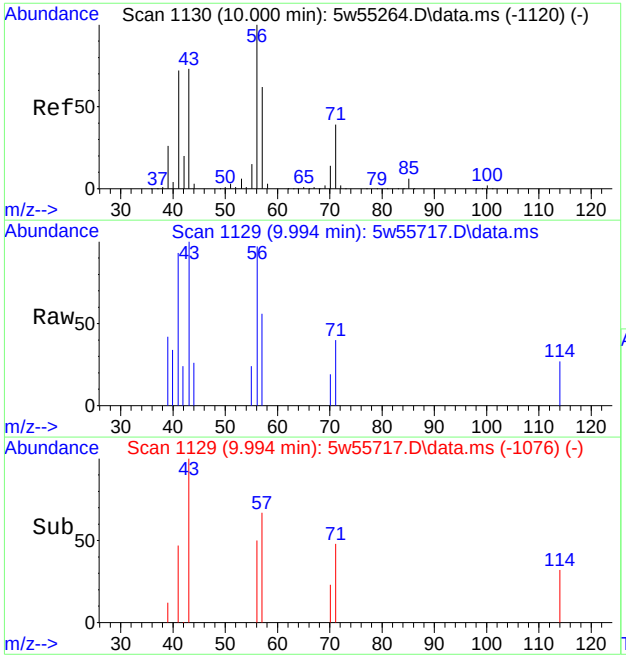


#53
CYCLOHEXANE
Concen: 0.19 PPBV
RT: 9.694 min Scan# 1080
Delta R.T. -0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 84 Resp: 4104

Ion	Ratio	Lower	Upper
84	100		
69	37.4	7.0	67.0
56	159.7	86.5	146.5#

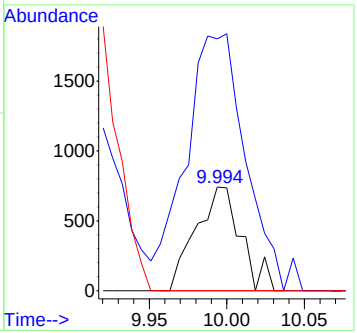


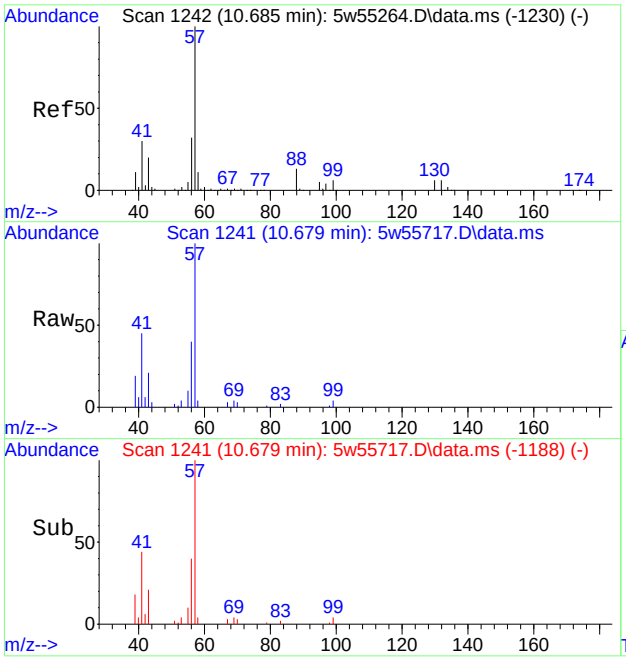


#54
2,3-DIMETHYLPENTANE
Concen: 0.13 PPBV
RT: 9.994 min Scan# 1129
Delta R.T. -0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 71 Resp: 1495

Ion	Ratio	Lower	Upper
71	100		
56	332.4	235.4	295.4#
85	0.0	0.0	45.3

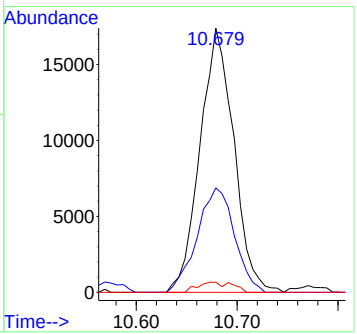


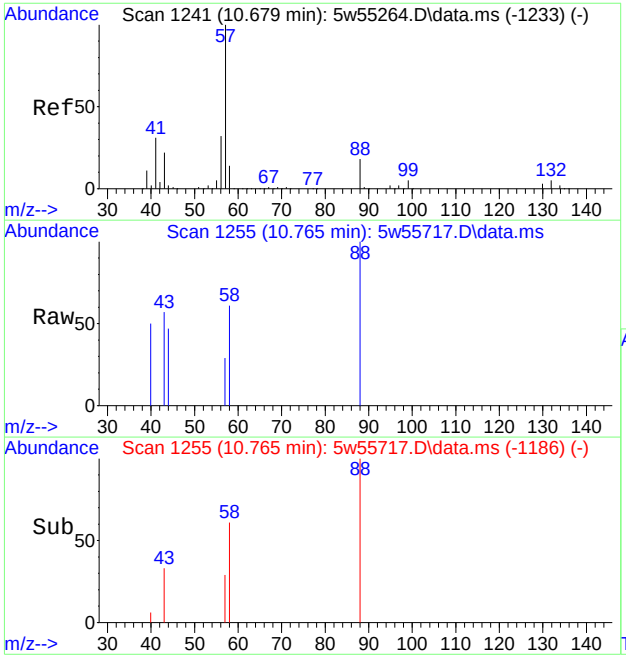


#60
2,2,4-TRIMETHYLPENTANE
Concen: 0.46 PPBV
RT: 10.679 min Scan# 1241
Delta R.T. -0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 57 Resp: 40594

Ion	Ratio	Lower	Upper
57	100		
56	43.5	2.2	62.2
99	4.0	0.0	37.6

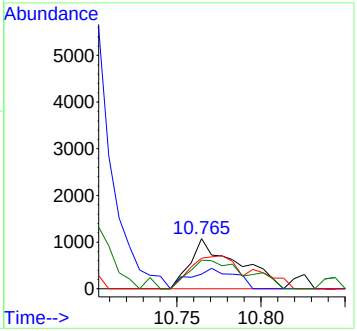


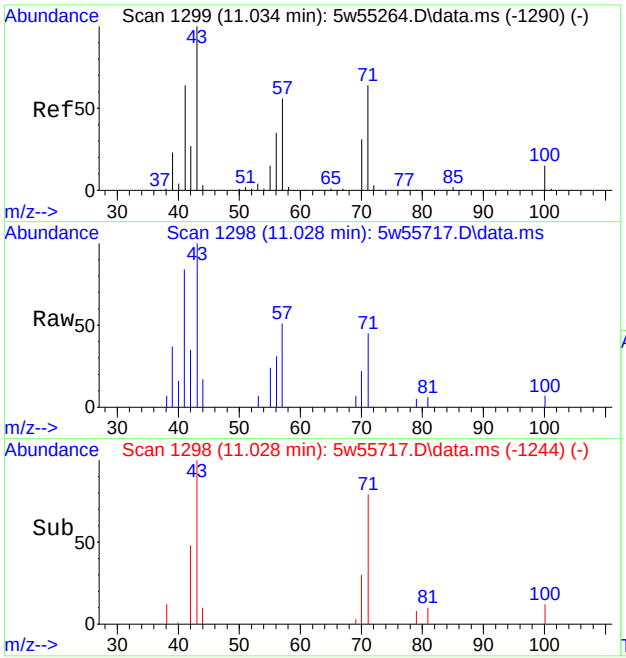


#61
1,4-DIOXANE
Concen: 0.15 PPBV
RT: 10.765 min Scan# 1255
Delta R.T. 0.092 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 88 Resp: 2063

Ion	Ratio	Lower	Upper
88	100		
57	29.2	493.0	553.0#
58	60.6	54.8	114.8
43	56.8	94.7	154.7#

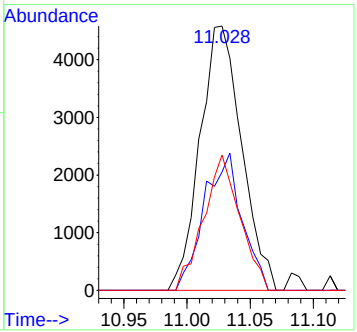


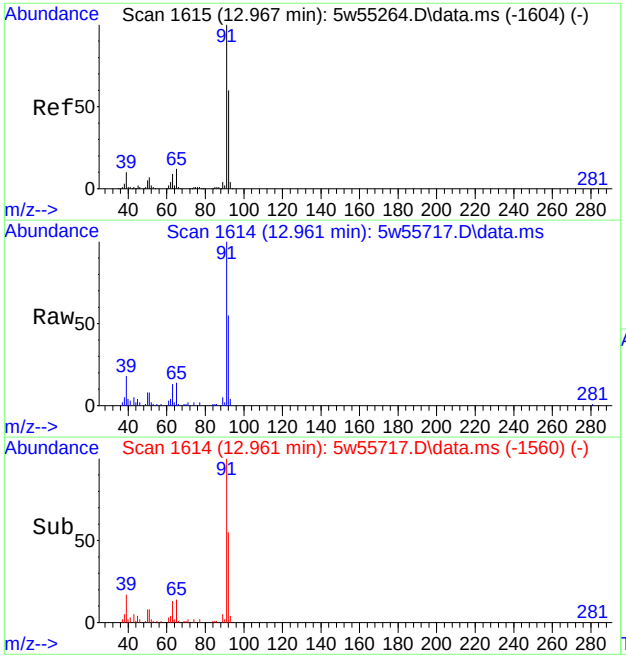


#62
HEPTANE
Concen: 0.34 PPBV
RT: 11.028 min Scan# 1298
Delta R.T. 0.000 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 43 Resp: 10550

Ion	Ratio	Lower	Upper
43	100		
71	46.8	27.2	87.2
57	44.6	22.5	82.5

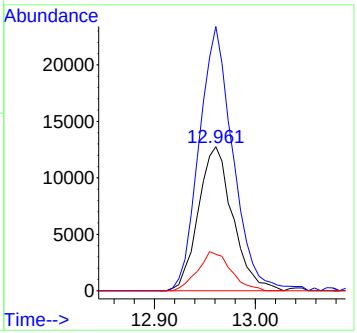


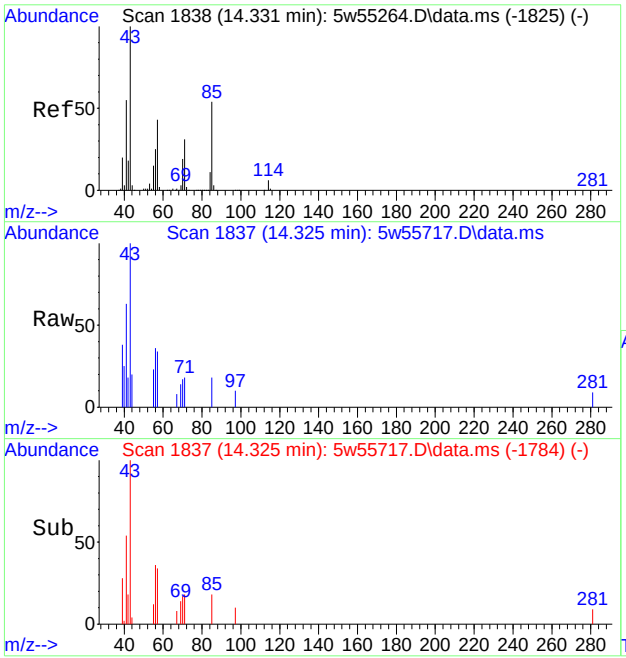


#66
TOLUENE
Concen: 0.75 PPBV
RT: 12.961 min Scan# 1614
Delta R.T. 0.000 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 92 Resp: 30255

Ion	Ratio	Lower	Upper
92	100		
91	181.0	143.4	203.4
65	26.2	0.0	53.8

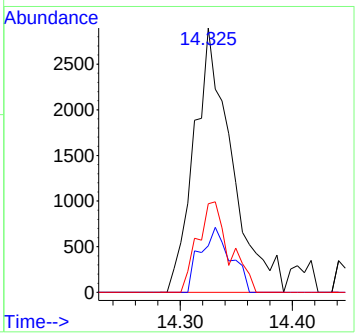


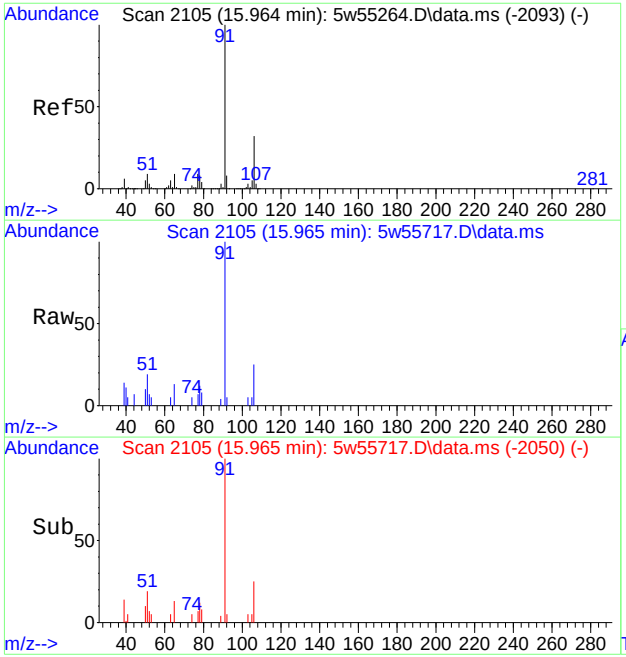


#76
OCTANE
Concen: 0.15 PPBV
RT: 14.325 min Scan# 1837
Delta R.T. -0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 43 Resp: 6737

Ion	Ratio	Lower	Upper
43	100		
85	19.9	13.7	73.7
57	29.2	9.9	69.9

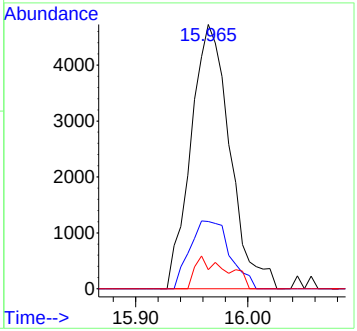


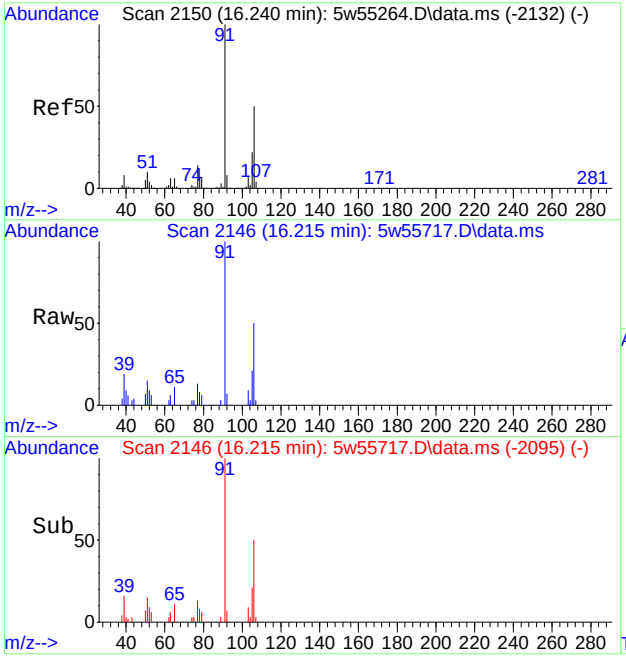


#79
ETHYLBENZENE
Concen: 0.12 PPBV
RT: 15.965 min Scan# 2105
Delta R.T. 0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 91 Resp: 11469

Ion	Ratio	Lower	Upper
91	100		
106	26.2	0.0	59.9
77	9.9	0.0	39.1

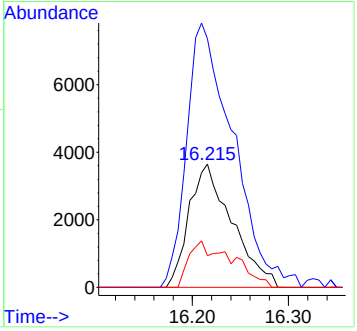


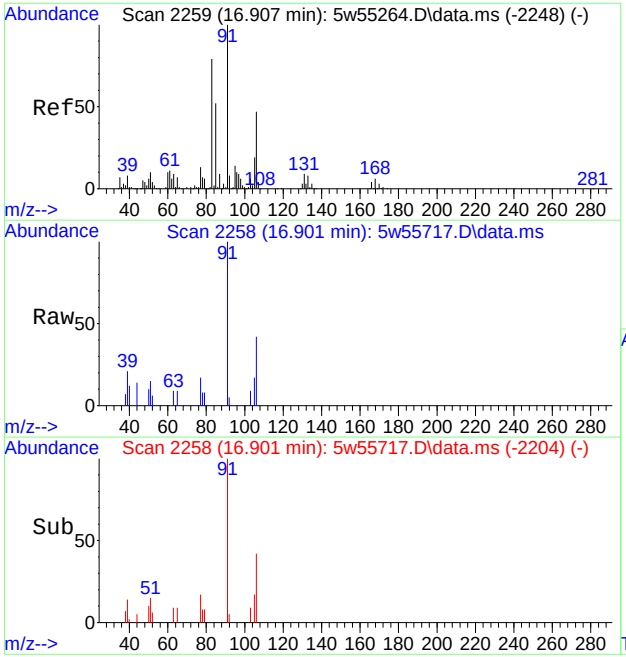


#80
m,p-XYLENE
Concen: 0.32 PPBV
RT: 16.215 min Scan# 2146
Delta R.T. -0.018 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion:106 Resp: 11351

Ion	Ratio	Lower	Upper
106	100		
91	201.5	181.2	241.2
77	25.8	0.1	60.1

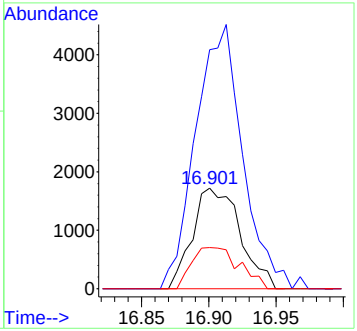


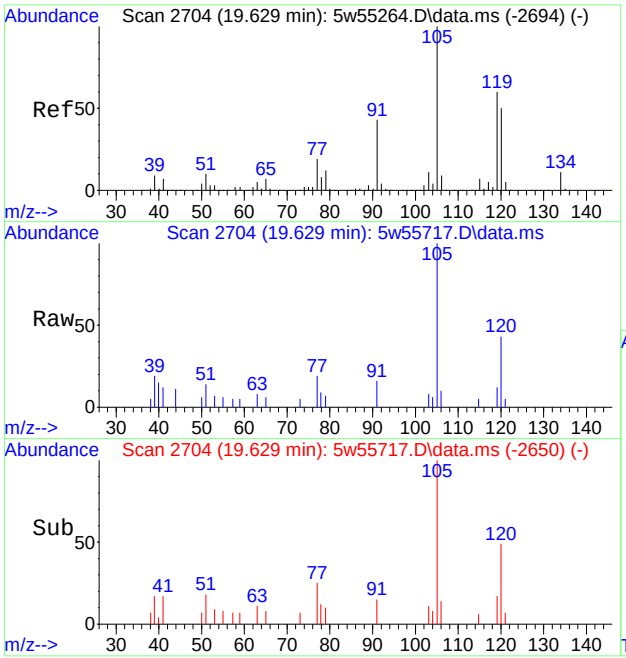


#81
o-XYLENE
Concen: 0.12 PPBV
RT: 16.901 min Scan# 2258
Delta R.T. 0.000 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion:106 Resp: 4250

Ion	Ratio	Lower	Upper
106	100		
91	259.6	193.4	253.4#
77	40.9	0.0	59.8

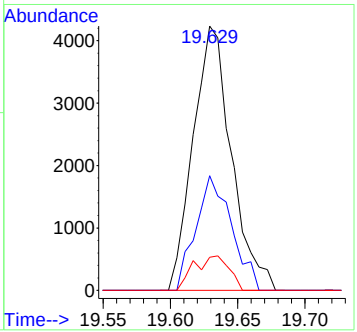




#96
1,2,4-TRIMETHYLBENZENE
Concen: 0.10 PPBV
RT: 19.629 min Scan# 2704
Delta R.T. 0.000 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion:105 Resp: 8380

Ion	Ratio	Lower	Upper
105	100		
120	40.5	22.6	82.6
119	12.0	69.7	129.7#



Manual Integration Approval Summary

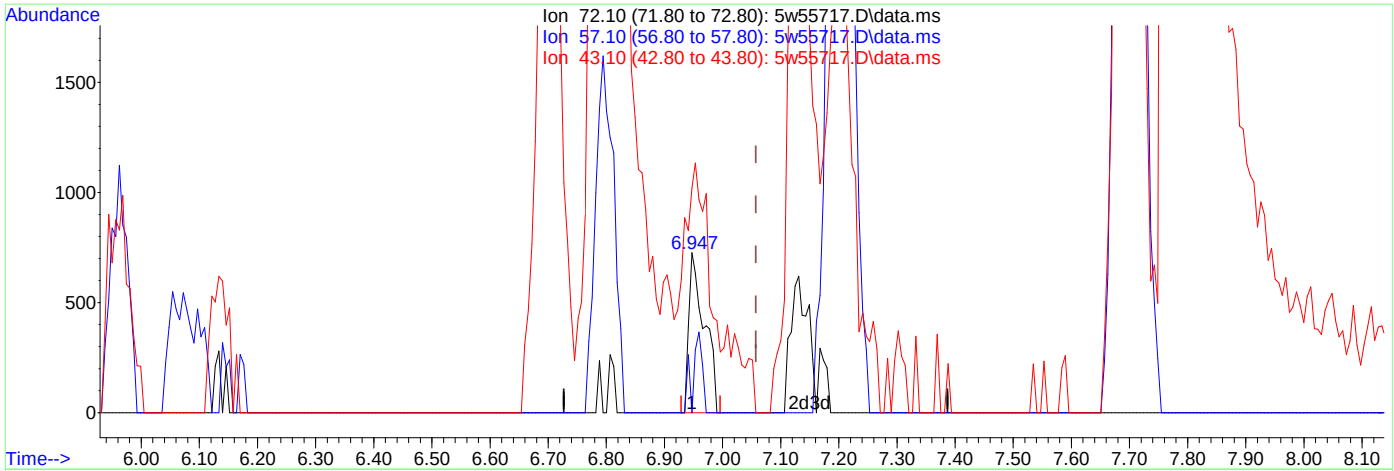
Sample Number: JE2488-2DUP
Lab FileID: 5W55717.D
Injection Time: 12/18/24 09:29
Method: TO-15
Analyst approved: 12/20/24 20:17 Kanya Veerawat
Supervisor approved: 12/20/24 20:19 Kanya Veerawat

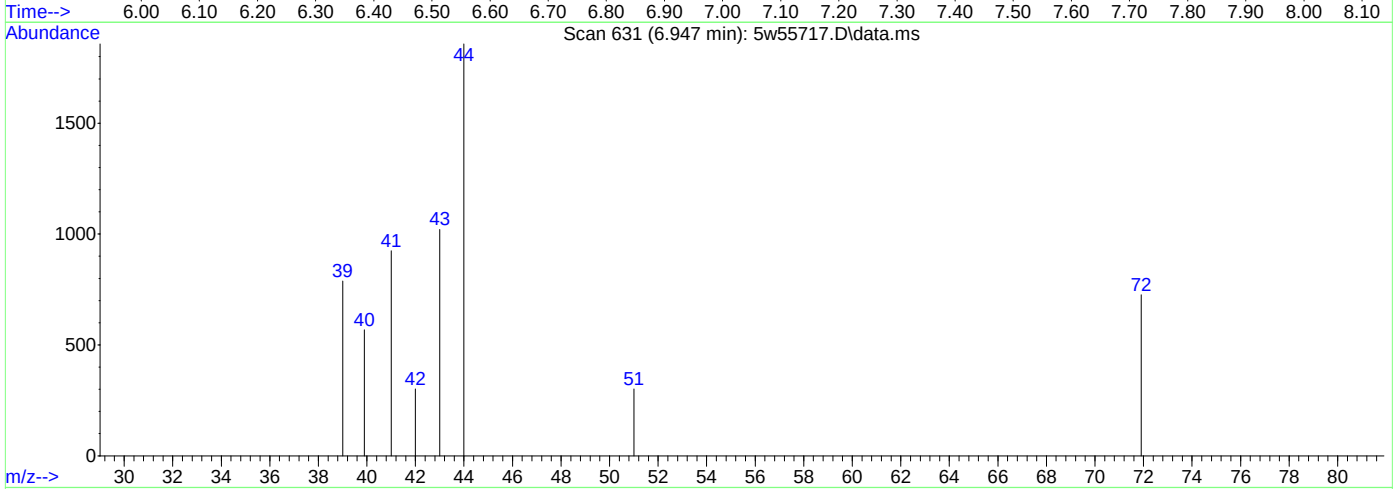
Parameter	CAS	Sig#	R.T. (min.)	Reason
Methyl ethyl ketone	78-93-3		7.13	Missed peak

Quantitation Report (Qedit)

Data Path : G:\Dayton\MSAIR\Done\2024\December\18 Dec 2024\V5W2133\
Data File : 5w55717.D
Acq On : 18 Dec 2024 9:29 am
Operator : thomash
Sample : je2488-2dup
Misc : MS88104,V5W2133,500,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 18 14:55:42 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration





TIC: 5w55717.D\data.ms

(41) METHYL ETHYL KETONE

6.947min (-0.110) 0.20PPBV

response 1345

Ion	Exp%	Act%
72.10	100	100
57.10	31.10	0.00#
43.10	420.60	140.63#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-20-2024\V5w2135\
Data File : 5w55764.D
Acq On : 20 Dec 2024 1:06 am
Operator : thomash
Sample : je2666-1dup Inst : GCMS5W
Misc : MS88187,V5W2135,100,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 20 16:02:17 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

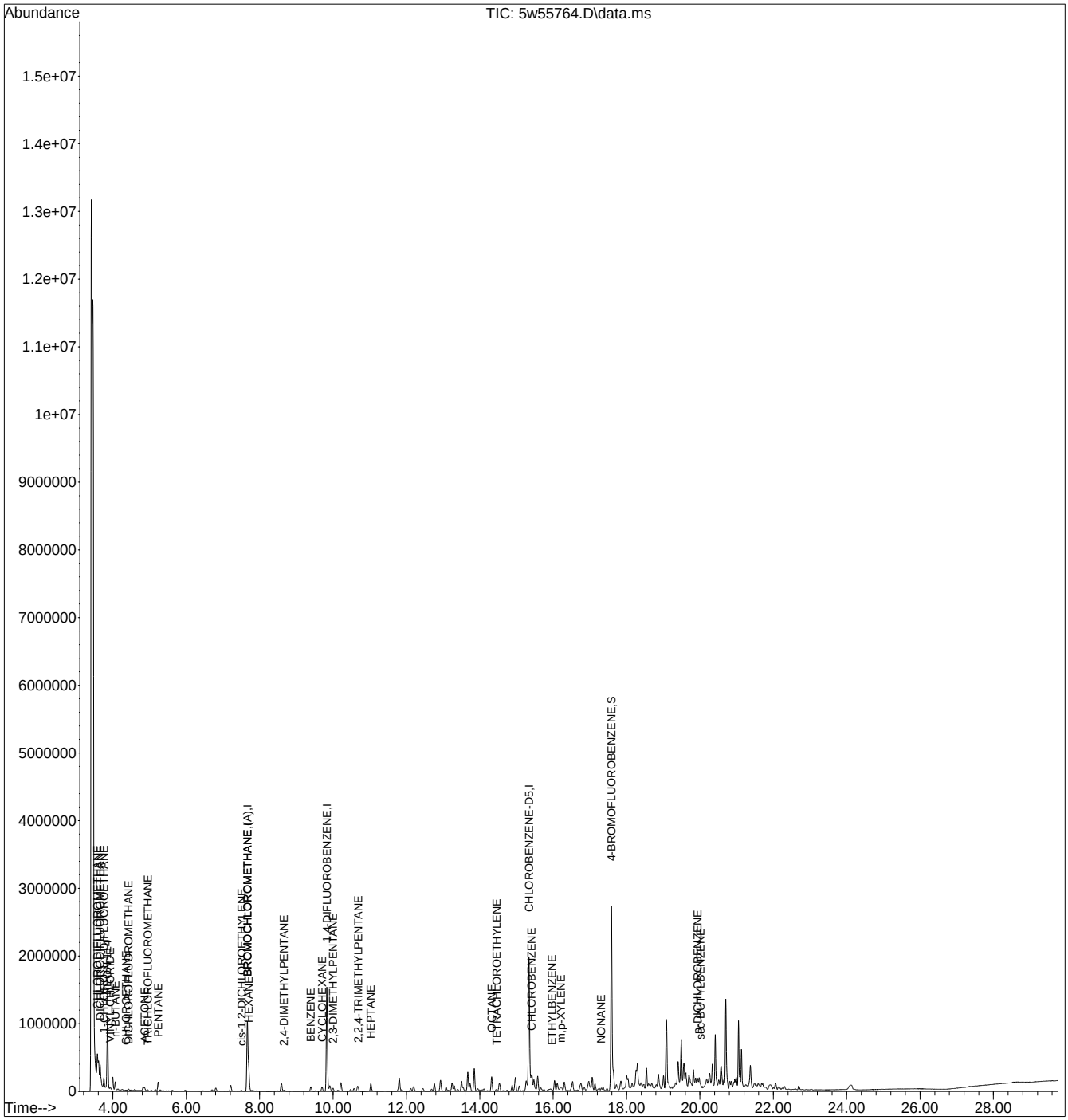
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	7.663	128	260206	10.00	PPBV	# 0.00
51) 1,4-DIFLUOROBENZENE	9.829	114	1283023	10.00	PPBV	0.00
70) CHLOROBENZENE-D5	15.341	82	766261	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	7.663	128	260206	10.00	PPBV	# 0.00
System Monitoring Compounds						
85) 4-BROMOFLUOROBENZENE	17.586	95	1001231	11.68	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 116.80%			
Target Compounds						Qvalue
4) CHLORODIFLUOROMETHANE	3.576	67	64438	6.4553	PPBV	98
6) DICHLORODIFLUOROMETHANE	3.650	85	242419	2.5494	PPBV	98
8) 1-CHLORO-1,1-DIFLUOROE...	3.754	65	116355	1.1949	PPBV	96
9) FREON 114	3.839	85	228423	1.9584	PPBV	89
11) VINYL CHLORIDE	3.925	62	29985	0.6944	PPBV	98
13) n-BUTANE	4.066	43	94390	1.6980	PPBV #	94
15) CHLOROETHANE	4.359	64	1717	0.0870	PPBV	89
16) DICHLOROFLUOROMETHANE	4.427	67	17174	0.1761	PPBV	90
21) TRICHLOROFLUOROMETHANE	4.947	101	15963	0.1817	PPBV	97
23) ACETONE	4.861	58	18828	0.8971	PPBV #	30
24) PENTANE	5.234	42	60318	2.1808	PPBV	96
38) HEXANE	7.706	57	140803	3.4536	PPBV	85
42) cis-1,2-DICHLOROETHYLENE	7.504	96	6787	0.2273	PPBV	95
47) 2,4-DIMETHYLPENTANE	8.660	57	6392	0.1434	PPBV	95
52) BENZENE	9.394	78	70157	0.7544	PPBV	99
53) CYCLOHEXANE	9.700	84	23675	0.6777	PPBV	90
54) 2,3-DIMETHYLPENTANE	9.994	71	7682	0.4073	PPBV	88
60) 2,2,4-TRIMETHYLPENTANE	10.685	57	40171	0.2845	PPBV #	39
62) HEPTANE	11.028	43	54615	1.1072	PPBV	93
73) TETRACHLOROETHYLENE	14.460	164	2299	0.0459	PPBV	84
76) OCTANE	14.325	43	42460	0.6309	PPBV	88
78) CHLOROBENZENE	15.408	112	101307	1.0270	PPBV	97
79) ETHYLBENZENE	15.971	91	20981	0.1485	PPBV	87
80) m,p-XYLENE	16.209	106	9919	0.1850	PPBV	92
83) NONANE	17.304	43	23512	0.3348	PPBV #	58
99) p-DICHLOROBENZENE	19.929	146	34934	0.3566	PPBV	95
100) sec-BUTYLBENZENE	20.015	134	3024	0.0914	PPBV #	51

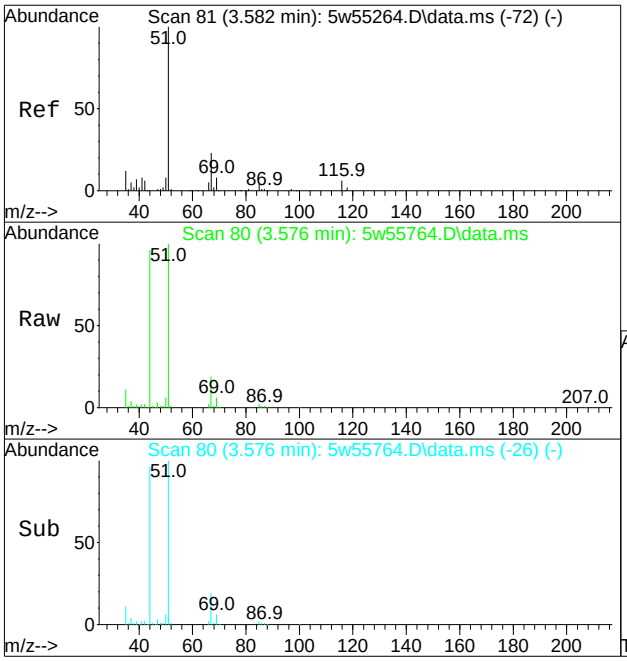
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-20-2024\V5w2135\
Data File : 5w55764.D
Acq On : 20 Dec 2024 1:06 am
Operator : thomash
Sample : je2666-1dup Inst : GCMS5W
Misc : MS88187,V5W2135,100,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 20 16:02:17 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

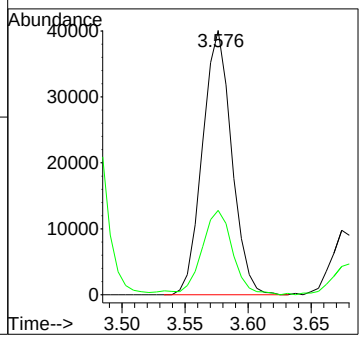


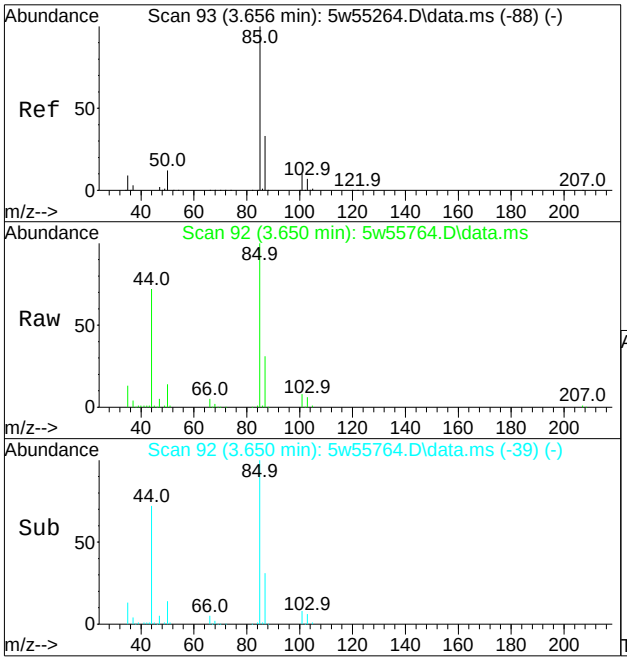


#4
CHLORODIFLUOROMETHANE
Concen: 6.4553 PPBV
RT: 3.576 min Scan# 80
Delta R.T. -0.000 min
Lab File: 5w55764.D
Acq: 20 Dec 2024 1:06 am

Tgt Ion: 67 Resp: 64438

Ion	Ratio	Lower	Upper
67	100		
69	32.0	2.9	62.9

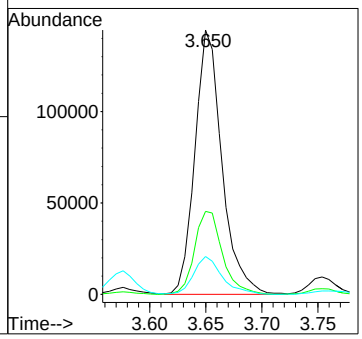


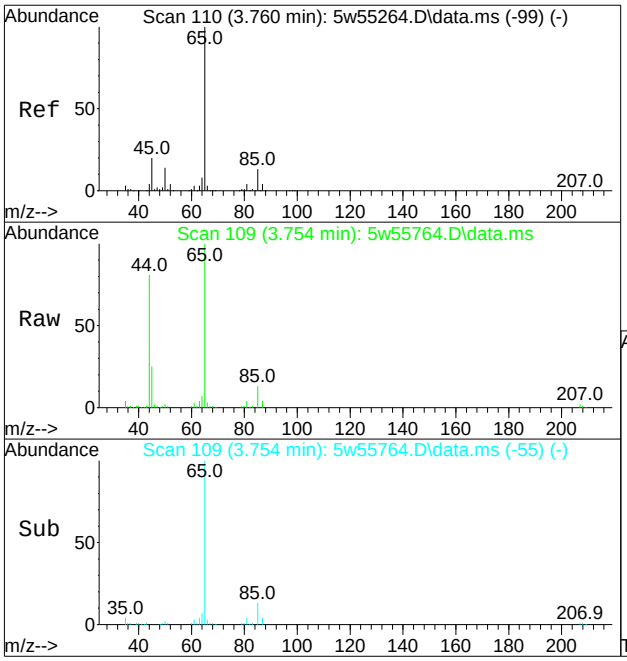


#6
DICHLORODIFLUOROMETHANE
Concen: 2.5494 PPBV
RT: 3.650 min Scan# 92
Delta R.T. -0.006 min
Lab File: 5w55764.D
Acq: 20 Dec 2024 1:06 am

Tgt Ion: 85 Resp: 242419

Ion	Ratio	Lower	Upper
85	100		
87	32.4	2.6	62.6
50	15.1	0.0	43.0

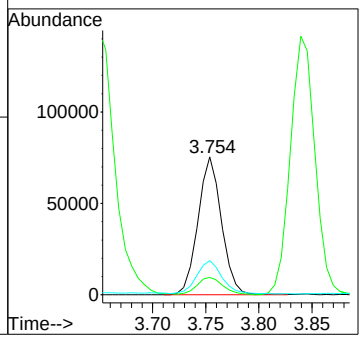


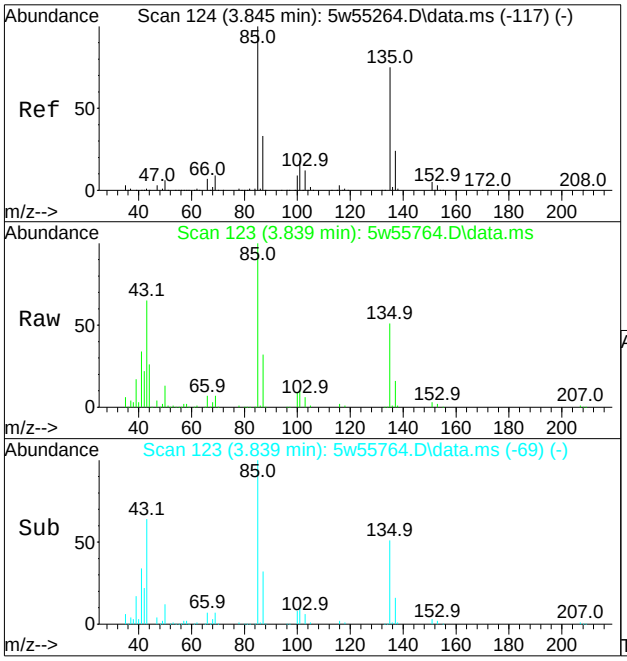


#8
1-CHLORO-1,1-DIFLUOROETHANE
Concen: 1.1949 PPBV
RT: 3.754 min Scan# 109
Delta R.T. 0.000 min
Lab File: 5w55764.D
Acq: 20 Dec 2024 1:06 am

Tgt Ion: 65 Resp: 116355

Ion	Ratio	Lower	Upper
65	100		
85	14.1	10.1	18.7
45	25.7	15.9	29.5

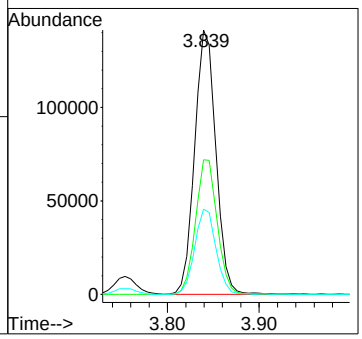


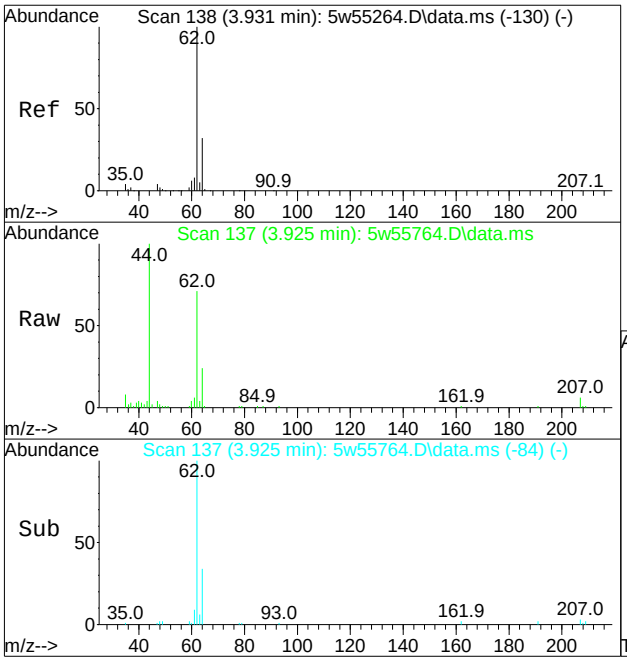


#9
FREON 114
Concen: 1.9584 PPBV
RT: 3.839 min Scan# 123
Delta R.T. 0.000 min
Lab File: 5w55764.D
Acq: 20 Dec 2024 1:06 am

Tgt Ion: 85 Resp: 228423

Ion	Ratio	Lower	Upper
85	100		
135	51.7	34.3	94.3
87	32.3	2.9	62.9

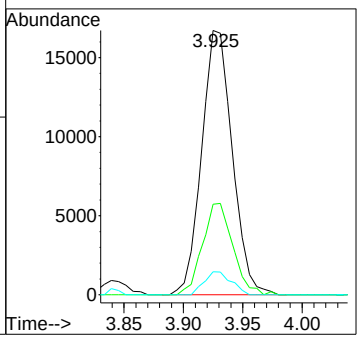


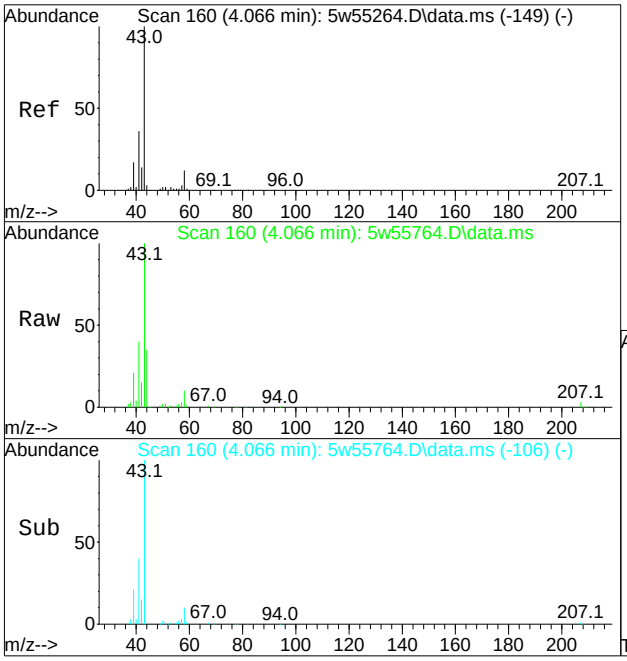


#11
VINYL CHLORIDE
Concen: 0.6944 PPBV
RT: 3.925 min Scan# 137
Delta R.T. -0.006 min
Lab File: 5w55764.D
Acq: 20 Dec 2024 1:06 am

Tgt Ion: 62 Resp: 29985

Ion	Ratio	Lower	Upper
62	100		
64	34.2	2.8	62.8
61	7.7	0.0	38.3

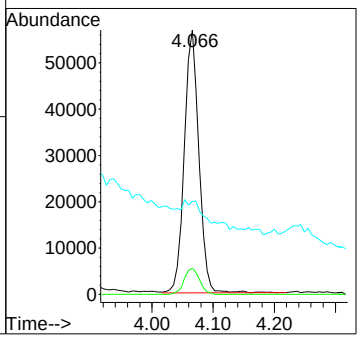


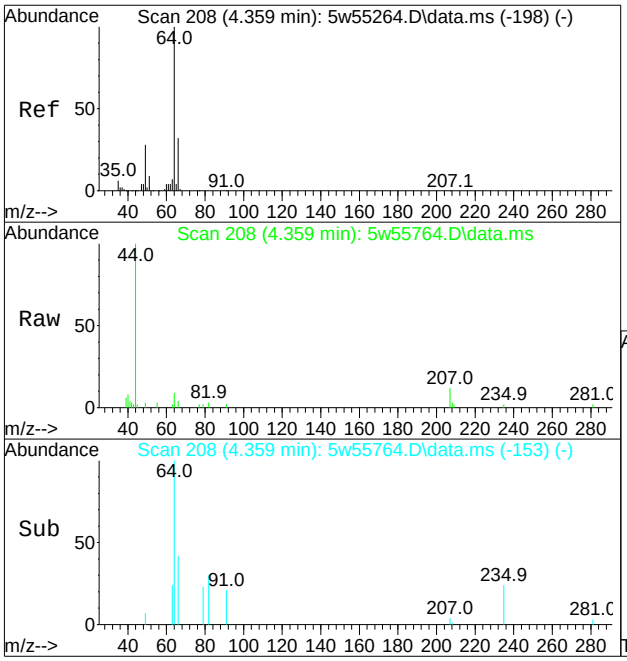


#13
n-BUTANE
Concen: 1.6980 PPBV
RT: 4.066 min Scan# 160
Delta R.T. -0.000 min
Lab File: 5w55764.D
Acq: 20 Dec 2024 1:06 am

Tgt Ion: 43 Resp: 94390

Ion	Ratio	Lower	Upper
43	100		
58	10.4	0.0	41.6
44	0.0	0.0	34.7

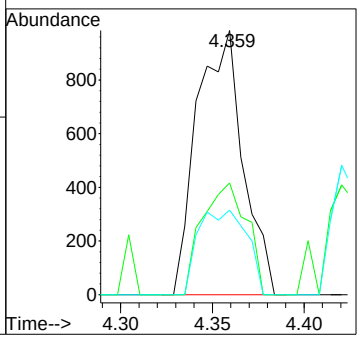


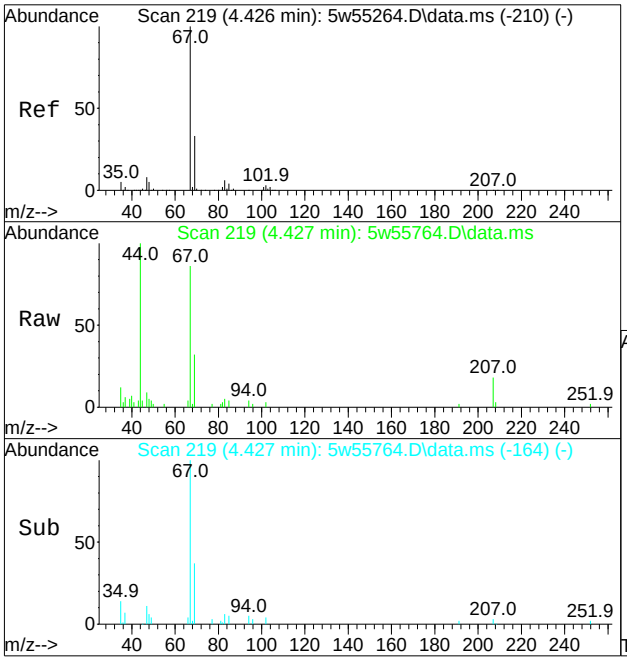


#15
CHLOROETHANE
Concen: 0.0870 PPBV
RT: 4.359 min Scan# 208
Delta R.T. 0.006 min
Lab File: 5w55764.D
Acq: 20 Dec 2024 1:06 am

Tgt Ion: 64 Resp: 1717

Ion	Ratio	Lower	Upper
64	100		
66	40.8	2.4	62.4
49	33.8	0.0	59.8

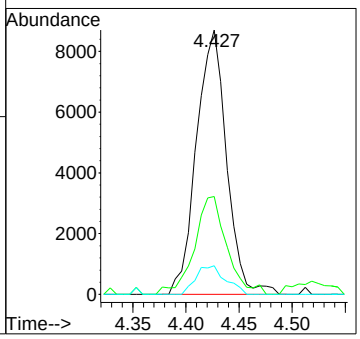


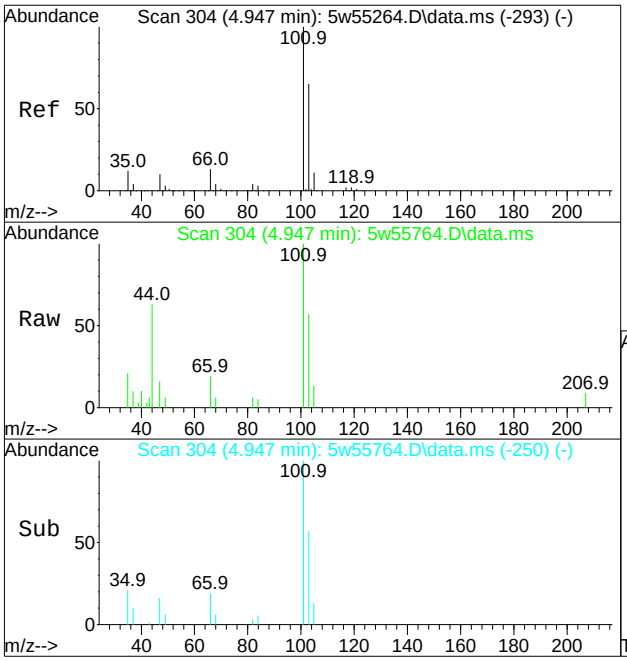


#16
DICHLOROFLUOROMETHANE
Concen: 0.1761 PPBV
RT: 4.427 min Scan# 219
Delta R.T. 0.006 min
Lab File: 5w55764.D
Acq: 20 Dec 2024 1:06 am

Tgt Ion: 67 Resp: 17174

Ion	Ratio	Lower	Upper
67	100		
69	39.9	23.0	42.8
47	10.7	6.9	12.7

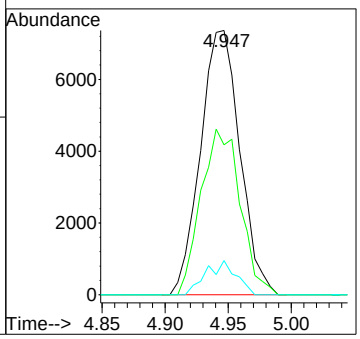


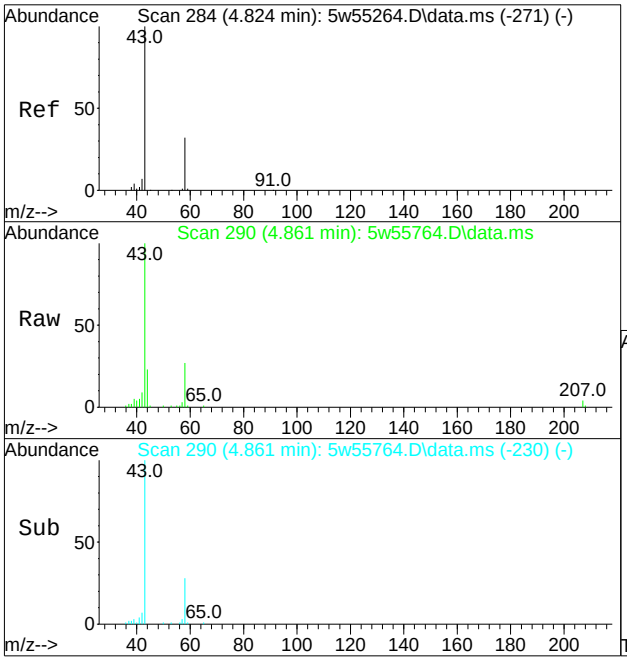


#21
TRICHLOROFLUOROMETHANE
Concen: 0.1817 PPBV
RT: 4.947 min Scan# 304
Delta R.T. -0.000 min
Lab File: 5w55764.D
Acq: 20 Dec 2024 1:06 am

Tgt Ion:101 Resp: 15963

Ion	Ratio	Lower	Upper
101	100		
103	62.4	34.7	94.7
105	9.9	0.0	40.5

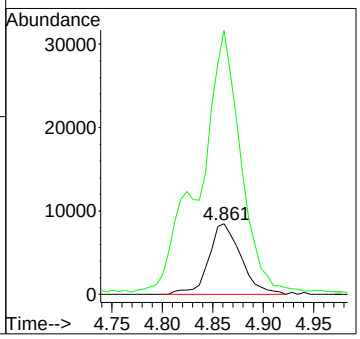


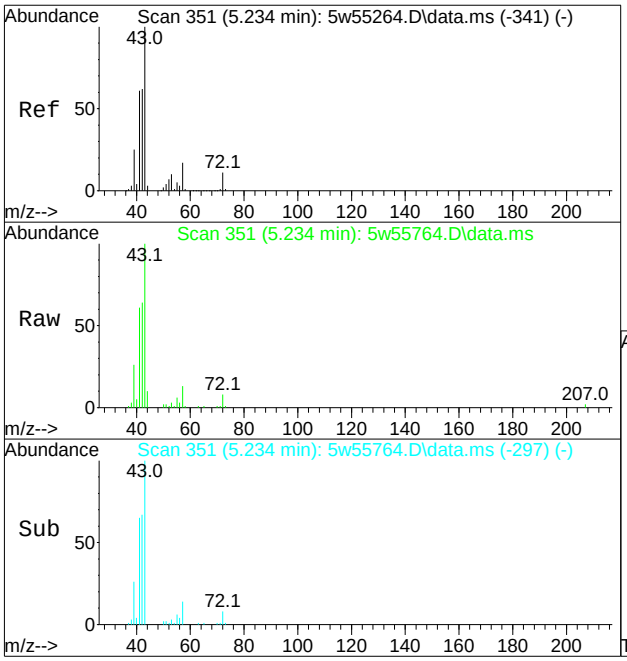


#23
ACETONE
Concen: 0.8971 PPBV
RT: 4.861 min Scan# 290
Delta R.T. 0.037 min
Lab File: 5w55764.D
Acq: 20 Dec 2024 1:06 am

Tgt Ion: 58 Resp: 18828

Ion	Ratio	Lower	Upper
58	100		
43	491.6	312.3	372.3#

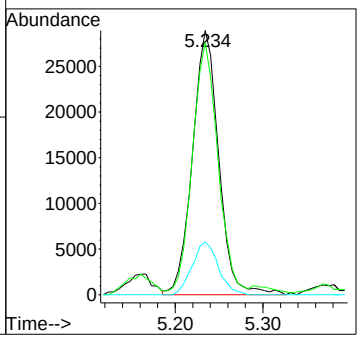


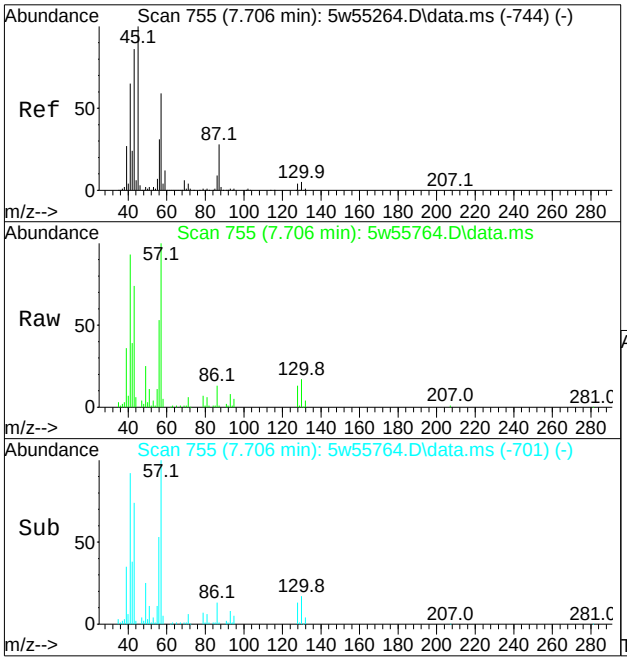


#24
PENTANE
Concen: 2.1808 PPBV
RT: 5.234 min Scan# 351
Delta R.T. -0.000 min
Lab File: 5w55764.D
Acq: 20 Dec 2024 1:06 am

Tgt Ion: 42 Resp: 60318

Ion	Ratio	Lower	Upper
42	100		
41	96.6	64.4	124.4
57	19.9	0.0	55.0

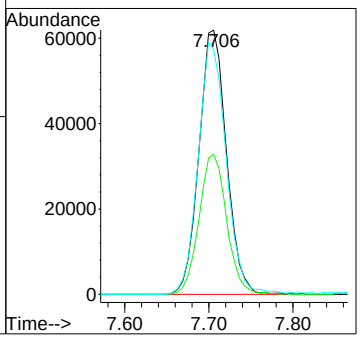


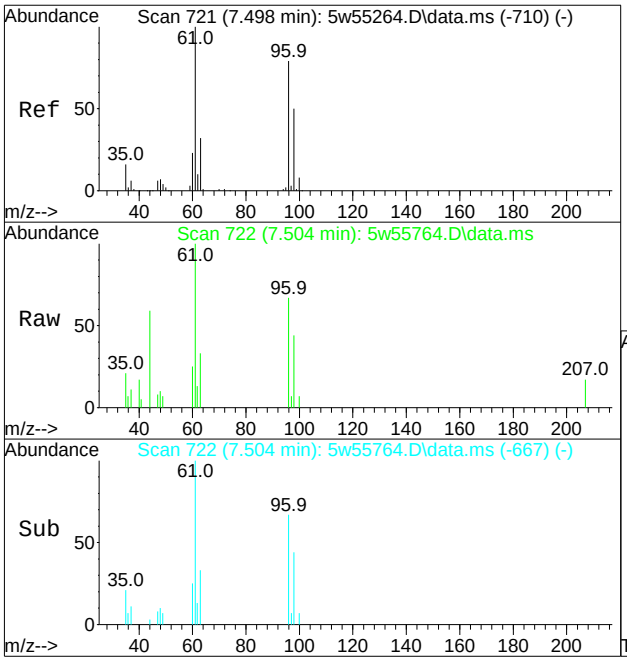


#38
HEXANE
Concen: 3.4536 PPBV
RT: 7.706 min Scan# 755
Delta R.T. -0.000 min
Lab File: 5w55764.D
Acq: 20 Dec 2024 1:06 am

Tgt Ion: 57 Resp: 140803

Ion	Ratio	Lower	Upper
57	100		
56	53.3	24.2	84.2
41	97.7	92.1	152.1

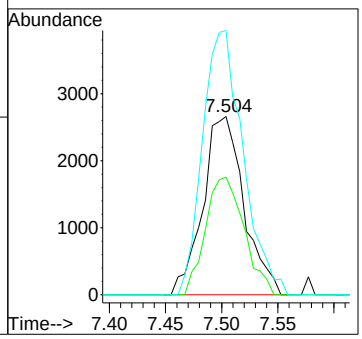


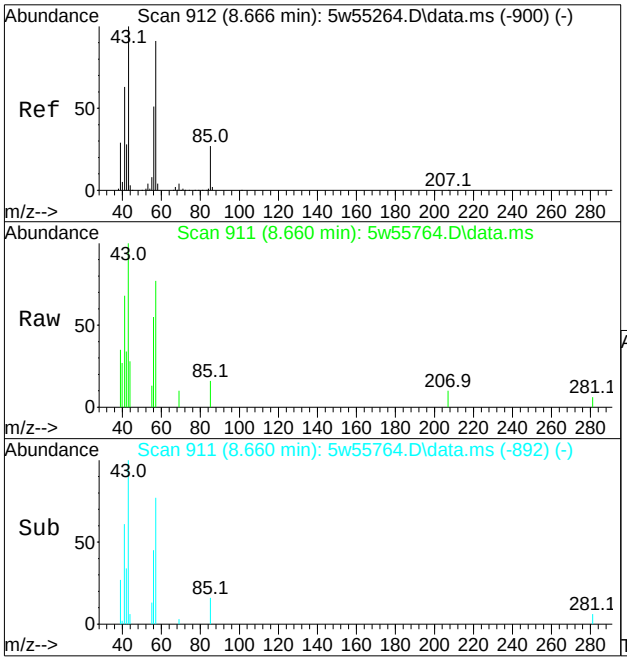


#42
cis-1,2-DICHLOROETHYLENE
Concen: 0.2273 PPBV
RT: 7.504 min Scan# 722
Delta R.T. 0.006 min
Lab File: 5w55764.D
Acq: 20 Dec 2024 1:06 am

Tgt Ion: 96 Resp: 6787

Ion	Ratio	Lower	Upper
96	100		
98	61.8	33.2	93.2
61	146.4	107.9	167.9

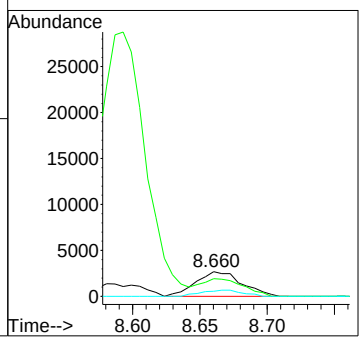


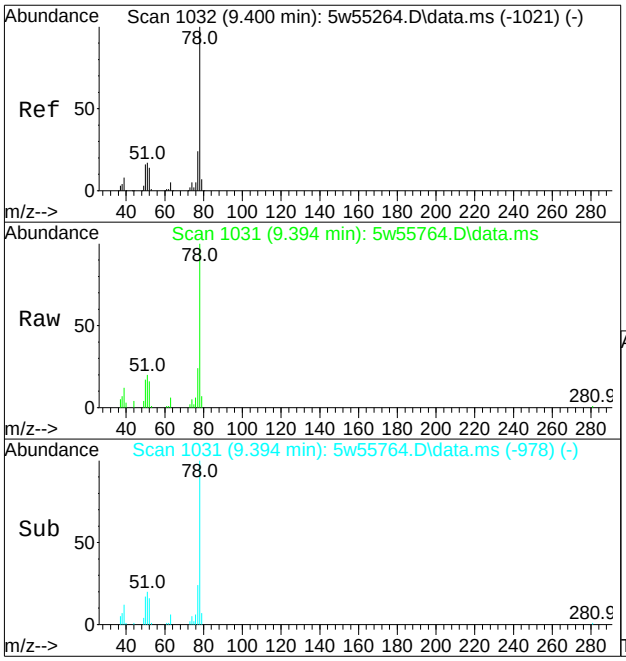


#47
2,4-DIMETHYLPENTANE
Concen: 0.1434 PPBV
RT: 8.660 min Scan# 911
Delta R.T. -0.006 min
Lab File: 5w55764.D
Acq: 20 Dec 2024 1:06 am

Tgt Ion: 57 Resp: 6392

Ion	Ratio	Lower	Upper
57	100		
56	59.4	26.4	86.4
85	22.6	0.0	56.0

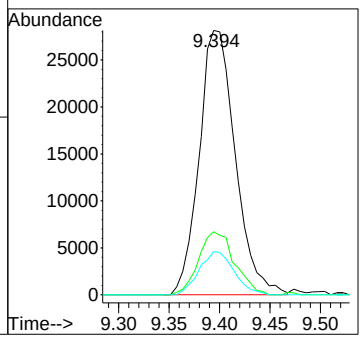


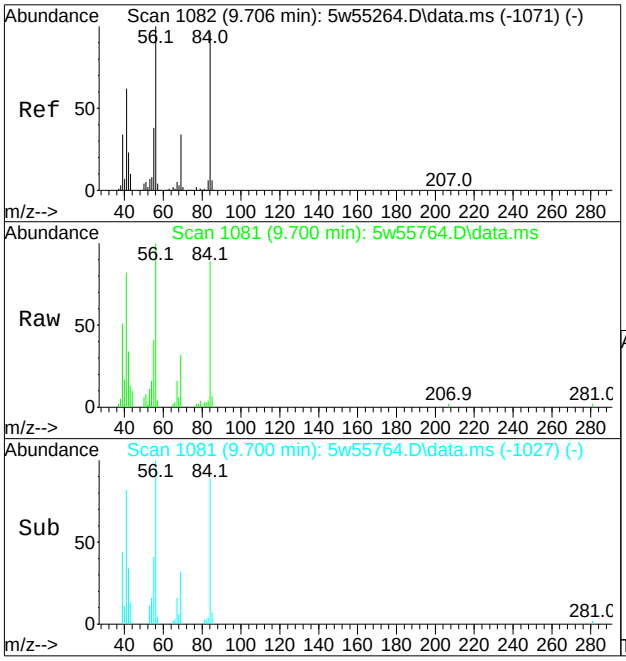


#52
BENZENE
Concen: 0.7544 PPBV
RT: 9.394 min Scan# 1031
Delta R.T. -0.006 min
Lab File: 5w55764.D
Acq: 20 Dec 2024 1:06 am

Tgt Ion: 78 Resp: 70157

Ion	Ratio	Lower	Upper
78	100		
77	23.7	0.0	54.0
52	15.8	0.0	45.6

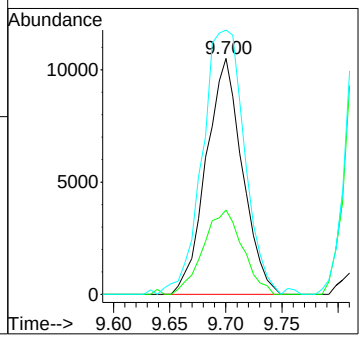


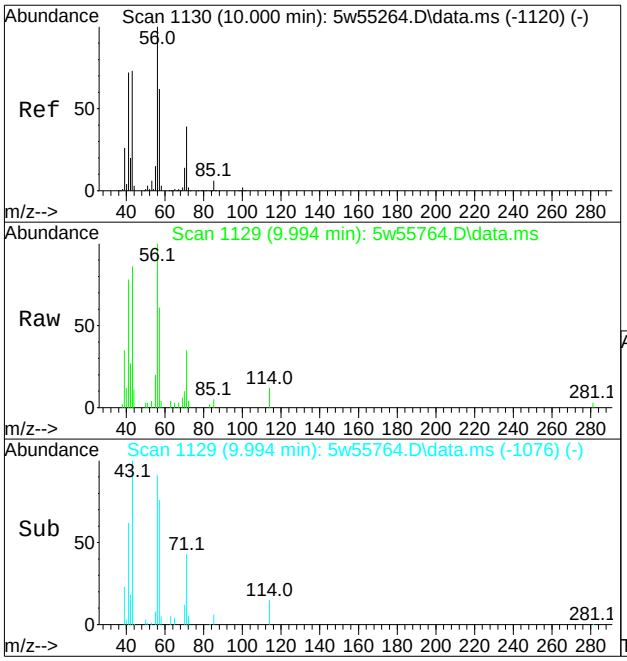


#53
CYCLOHEXANE
Concen: 0.6777 PPBV
RT: 9.700 min Scan# 1081
Delta R.T. 0.000 min
Lab File: 5w55764.D
Acq: 20 Dec 2024 1:06 am

Tgt Ion: 84 Resp: 23675

Ion	Ratio	Lower	Upper
84	100		
69	38.9	7.0	67.0
56	130.2	86.5	146.5

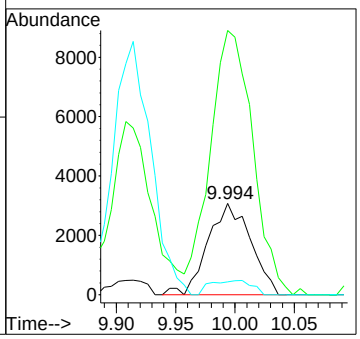


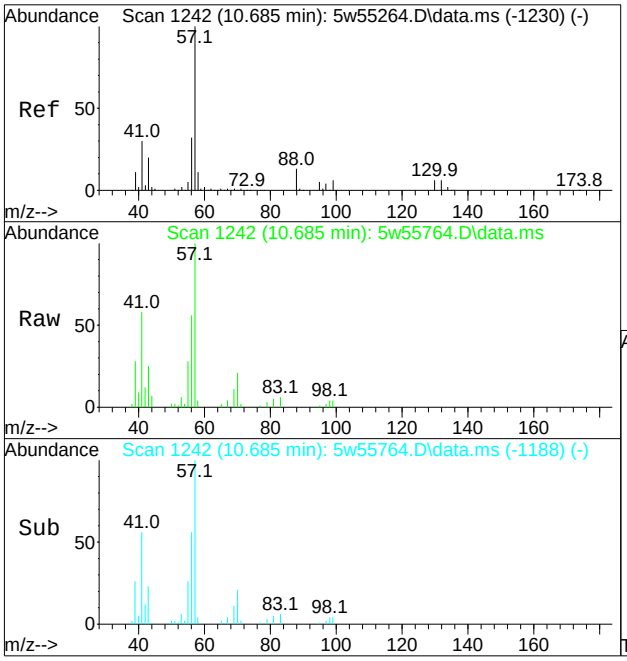


#54
2,3-DIMETHYLPENTANE
Concen: 0.4073 PPBV
RT: 9.994 min Scan# 1129
Delta R.T. -0.006 min
Lab File: 5w55764.D
Acq: 20 Dec 2024 1:06 am

Tgt Ion: 71 Resp: 7682

Ion	Ratio	Lower	Upper
71	100		
56	289.3	235.4	295.4
85	15.2	0.0	45.3

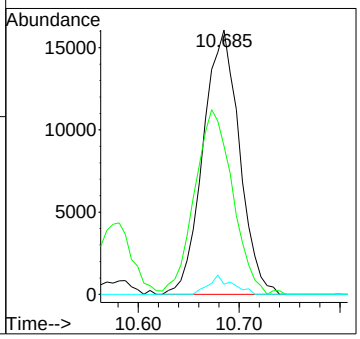


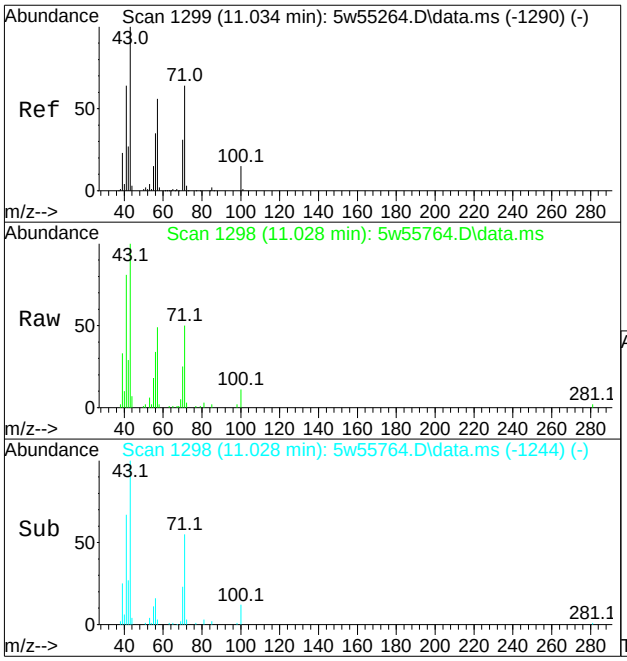


#60
2,2,4-TRIMETHYLPENTANE
Concen: 0.2845 PPBV
RT: 10.685 min Scan# 1242
Delta R.T. 0.000 min
Lab File: 5w55764.D
Acq: 20 Dec 2024 1:06 am

Tgt Ion: 57 Resp: 40171

Ion	Ratio	Lower	Upper
57	100		
56	73.2	2.2	62.2#
99	4.7	0.0	37.6

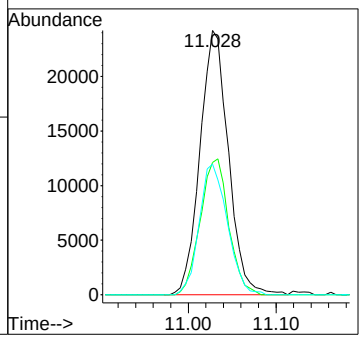


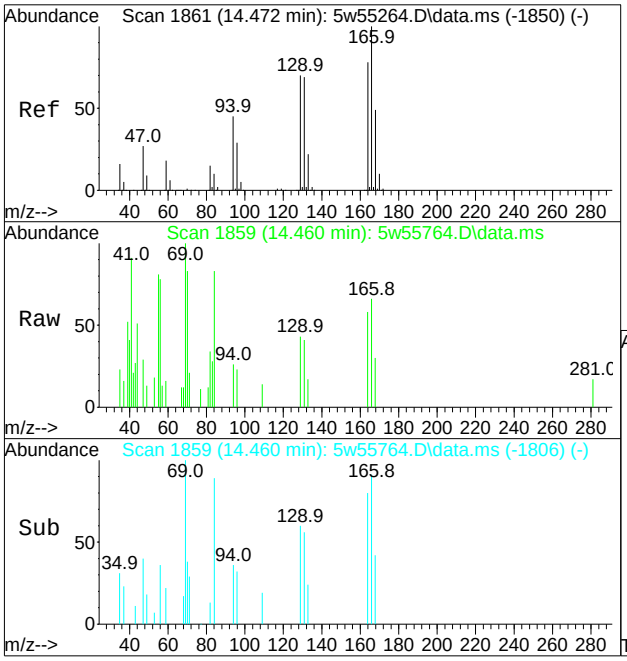


#62
HEPTANE
Concen: 1.1072 PPBV
RT: 11.028 min Scan# 1298
Delta R.T. -0.000 min
Lab File: 5w55764.D
Acq: 20 Dec 2024 1:06 am

Tgt Ion: 43 Resp: 54615

Ion	Ratio	Lower	Upper
43	100		
71	51.3	27.2	87.2
57	49.0	22.5	82.5

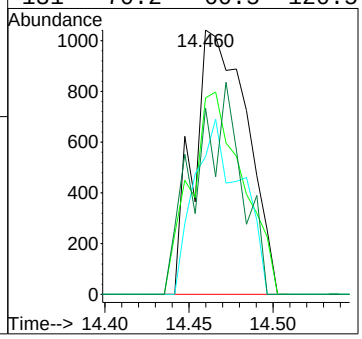


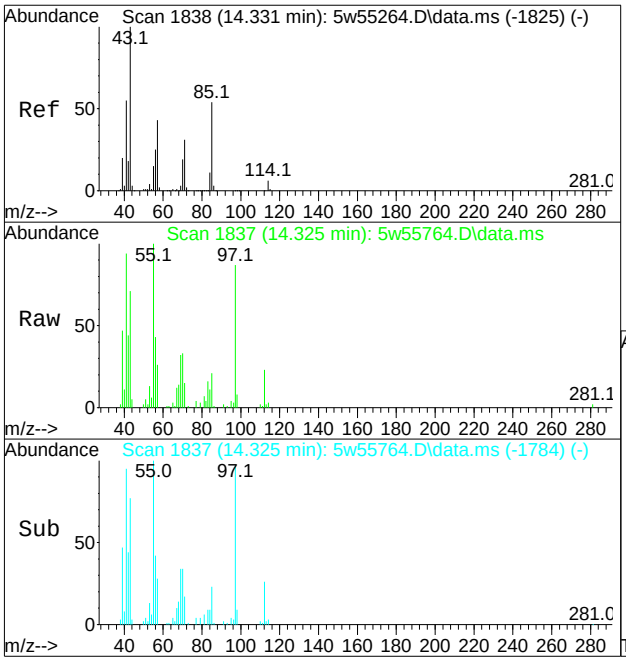


#73
TETRACHLOROETHYLENE
Concen: 0.0459 PPBV
RT: 14.460 min Scan# 1859
Delta R.T. -0.006 min
Lab File: 5w55764.D
Acq: 20 Dec 2024 1:06 am

Tgt Ion:164 Resp: 2299

Ion	Ratio	Lower	Upper
164	100		
129	75.4	64.4	124.4
168	57.9	31.2	91.2
131	70.2	60.5	120.5

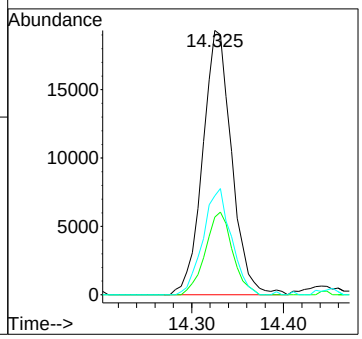


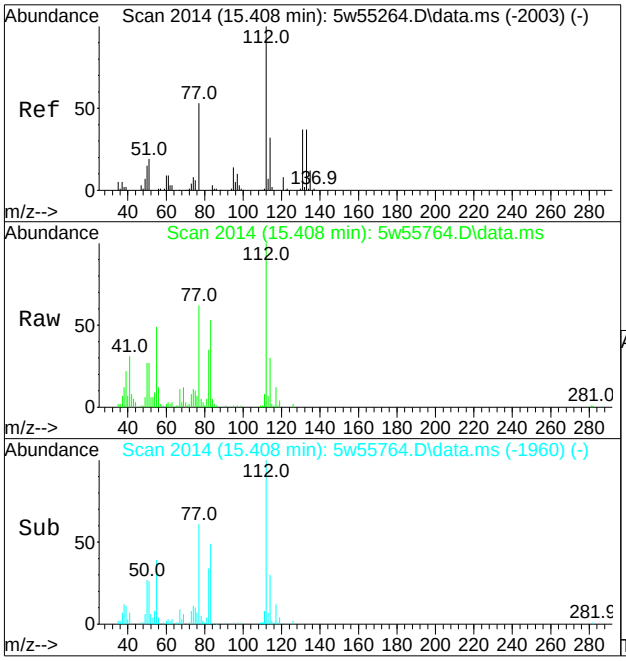


#76
OCTANE
Concen: 0.6309 PPBV
RT: 14.325 min Scan# 1837
Delta R.T. -0.006 min
Lab File: 5w55764.D
Acq: 20 Dec 2024 1:06 am

Tgt Ion: 43 Resp: 42460

Ion	Ratio	Lower	Upper
43	100		
85	29.4	13.7	73.7
57	39.2	9.9	69.9

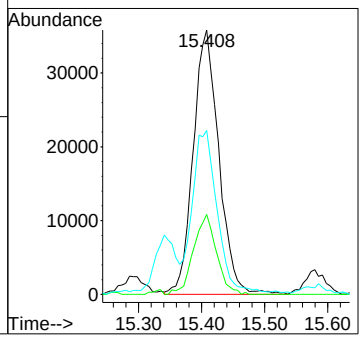


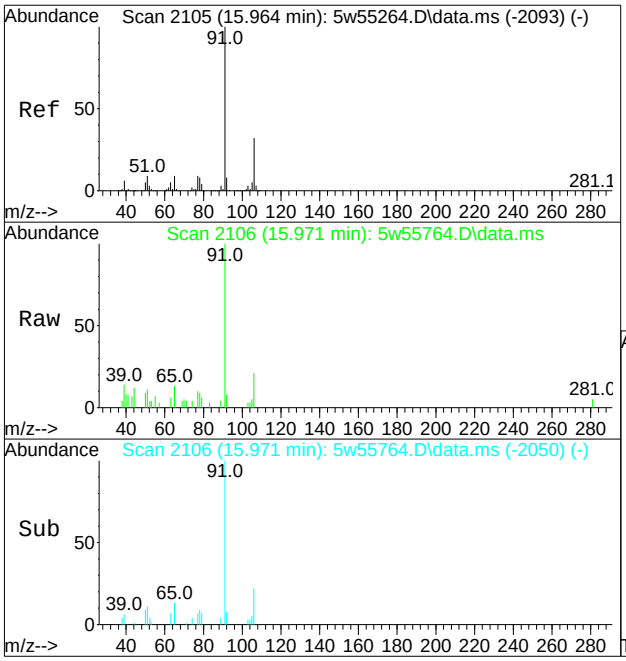


#78
CHLOROBENZENE
Concen: 1.0270 PPBV
RT: 15.408 min Scan# 2014
Delta R.T. 0.000 min
Lab File: 5w55764.D
Acq: 20 Dec 2024 1:06 am

Tgt Ion:112 Resp: 101307

Ion	Ratio	Lower	Upper
112	100		
114	27.0	2.2	62.2
77	60.3	30.2	90.2

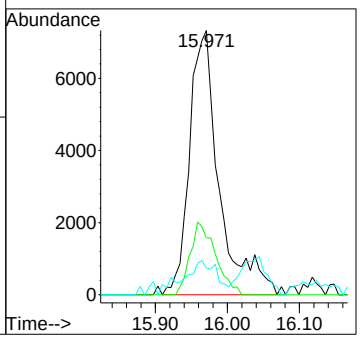


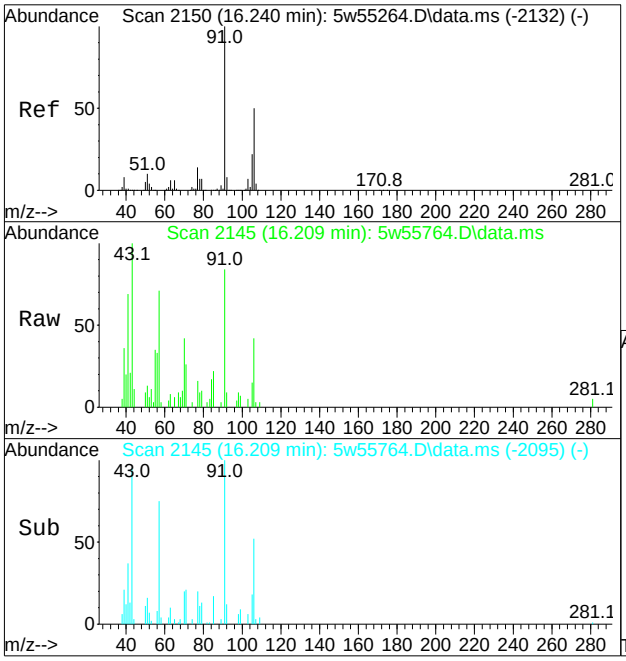


#79
ETHYLBENZENE
Concen: 0.1485 PPBV
RT: 15.971 min Scan# 2106
Delta R.T. 0.012 min
Lab File: 5w55764.D
Acq: 20 Dec 2024 1:06 am

Tgt Ion: 91 Resp: 20981

Ion	Ratio	Lower	Upper
91	100		
106	23.5	0.0	59.9
77	14.5	0.0	39.1

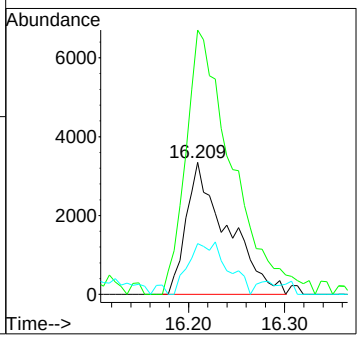


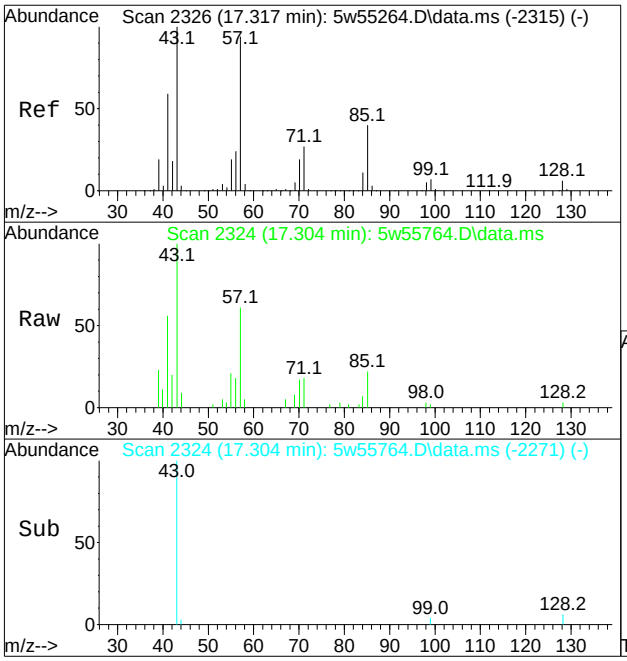


#80
m,p-XYLENE
Concen: 0.1850 PPBV
RT: 16.209 min Scan# 2145
Delta R.T. -0.024 min
Lab File: 5w55764.D
Acq: 20 Dec 2024 1:06 am

Tgt Ion:106 Resp: 9919

Ion	Ratio	Lower	Upper
106	100		
91	200.4	181.2	241.2
77	38.5	0.1	60.1

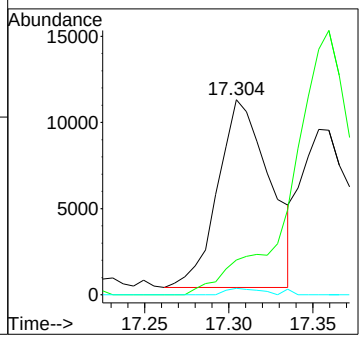


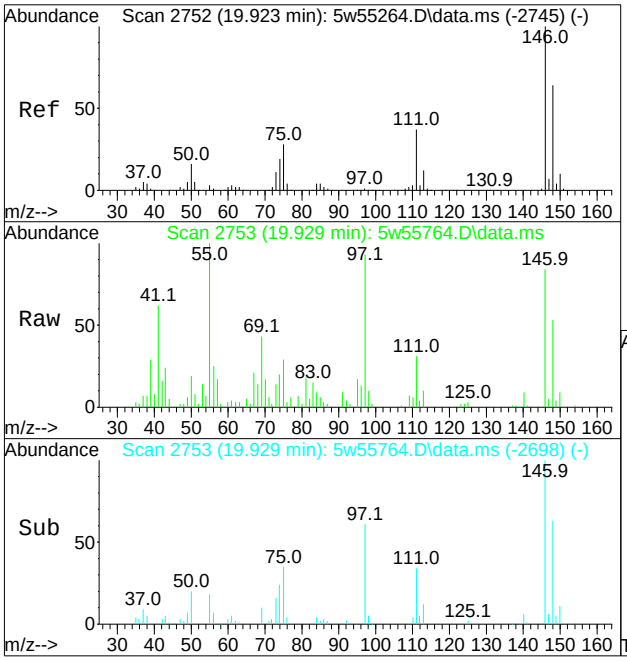


#83
NONANE
Concen: 0.3348 PPBV
RT: 17.304 min Scan# 2324
Delta R.T. -0.006 min
Lab File: 5w55764.D
Acq: 20 Dec 2024 1:06 am

Tgt Ion: 43 Resp: 23512

Ion	Ratio	Lower	Upper
43	100		
71	0.0	0.0	53.8
128	2.2	0.0	34.3

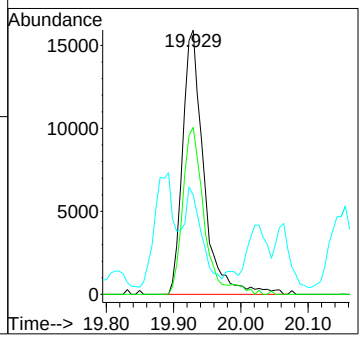


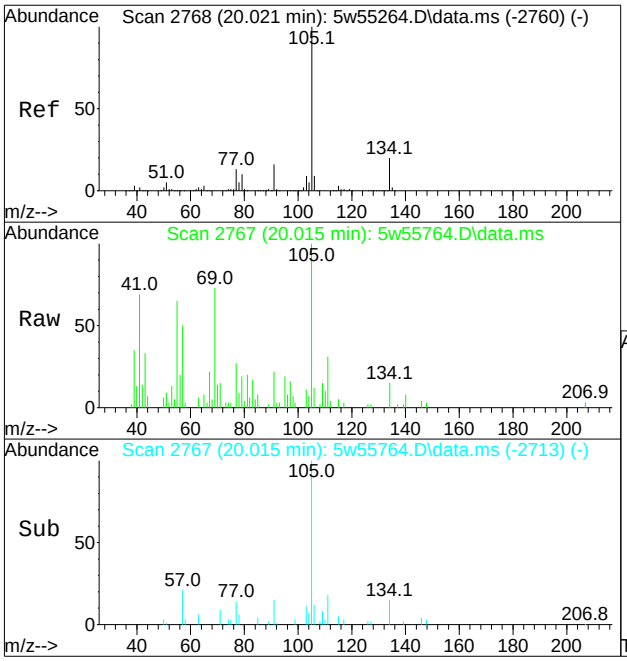


#99
p-DICHLOROBENZENE
Concen: 0.3566 PPBV
RT: 19.929 min Scan# 2753
Delta R.T. 0.006 min
Lab File: 5w55764.D
Acq: 20 Dec 2024 1:06 am

Tgt Ion:146 Resp: 34934

Ion	Ratio	Lower	Upper
146	100		
148	63.6	33.7	93.7
111	30.1	8.5	68.5

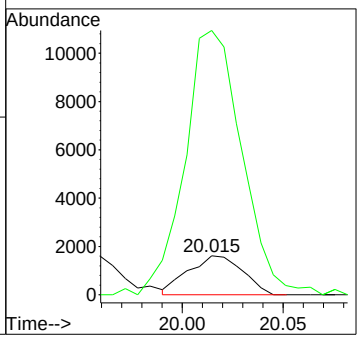




#100
sec-BUTYLBENZENE
Concen: 0.0914 PPBV
RT: 20.015 min Scan# 2767
Delta R.T. 0.000 min
Lab File: 5w55764.D
Acq: 20 Dec 2024 1:06 am

Tgt Ion:134 Resp: 3024

Ion	Ratio	Lower	Upper
134	100		
105	717.2	539.5	599.5#



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\122424\v5w2138\
Data File : 5w55826.D
Acq On : 23 Dec 2024 4:11 pm
Operator : thomash
Sample : je2315-1dup Inst : GCMS5W
Misc : MS88014,V5W2138,400,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 24 16:52:01 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

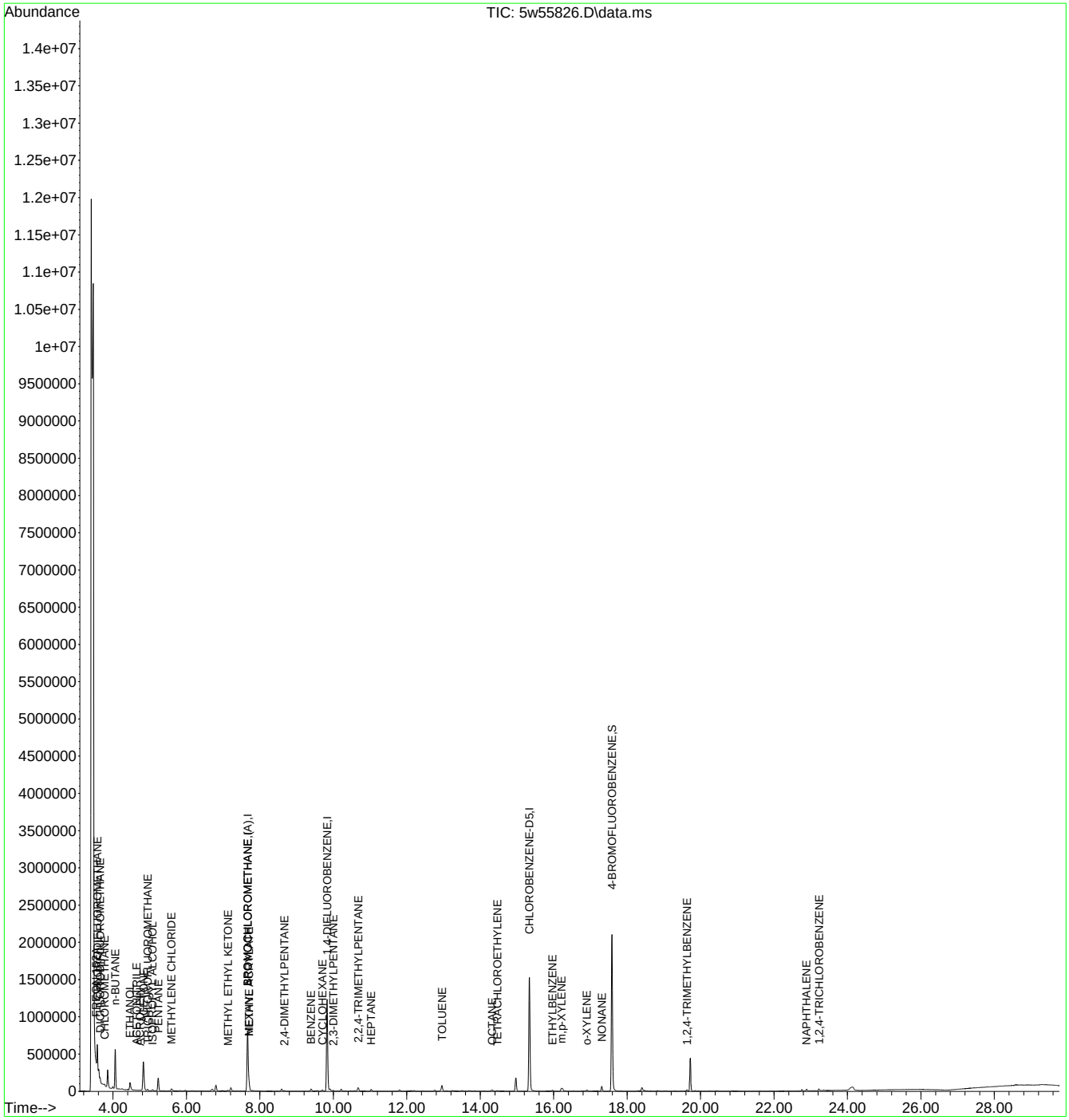
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	7.663	128	217553	10.00	PPBV	0.00
51) 1,4-DIFLUOROBENZENE	9.828	114	1077292	10.00	PPBV	0.00
70) CHLOROBENZENE-D5	15.334	82	621263	10.00	PPBV	-0.01
109) BROMOCHLOROMETHANE (A)	7.663	128	217553	10.00	PPBV	# 0.00
System Monitoring Compounds						
85) 4-BROMOFLUOROBENZENE	17.586	95	760224	10.93	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 109.30%			
Target Compounds						Qvalue
3) FREON 152A	3.539	65	17612	1.0942	PPBV #	43
4) CHLORODIFLUOROMETHANE	3.570	67	70935	8.4993	PPBV	99
6) DICHLORODIFLUOROMETHANE	3.650	85	33315	0.4190	PPBV	99
10) CHLOROMETHANE	3.772	52	4470	0.4360	PPBV #	81
13) n-BUTANE	4.059	43	439213	9.4501	PPBV #	94
17) ACETONITRILE	4.635	41	3723	0.1387	PPBV #	70
18) ACROLEIN	4.732	56	1588	0.1355	PPBV #	50
21) TRICHLOROFLUOROMETHANE	4.940	101	17117	0.2330	PPBV	98
22) ISOPROPYL ALCOHOL	5.075	45	24215	0.5202	PPBV	88
23) ACETONE	4.836	58	63014	3.5913	PPBV #	12
24) PENTANE	5.234	42	77918	3.3694	PPBV	97
28) ETHANOL	4.463	45	128568	7.5359	PPBV	99
31) METHYLENE CHLORIDE	5.589	84	13335	0.5844	PPBV	96
38) HEXANE	7.706	57	46133	1.3534	PPBV	84
41) METHYL ETHYL KETONE	7.124	72	5405	0.5728	PPBV	88
45) METHYL ACRYLATE	7.706	55	5623	0.1357	PPBV #	56
47) 2,4-DIMETHYLPENTANE	8.666	57	3784	0.1015	PPBV	88
52) BENZENE	9.394	78	32183	0.4122	PPBV	99
53) CYCLOHEXANE	9.700	84	7334	0.2500	PPBV	95
54) 2,3-DIMETHYLPENTANE	9.994	71	2176	0.1374	PPBV #	86
60) 2,2,4-TRIMETHYLPENTANE	10.679	57	42861	0.3615	PPBV	85
62) HEPTANE	11.028	43	12558	0.3032	PPBV	91
66) TOLUENE	12.961	92	40482	0.7412	PPBV	99
73) TETRACHLOROETHYLENE	14.472	164	2473	0.0609	PPBV	86
76) OCTANE	14.325	43	19766	0.3622	PPBV #	55
79) ETHYLBENZENE	15.964	91	15737	0.1374	PPBV	92
80) m,p-XYLENE	16.209	106	24925	0.5735	PPBV	98
81) o-XYLENE	16.901	106	6839	0.1621	PPBV	88
83) NONANE	17.310	43	31896	0.5601	PPBV	99
96) 1,2,4-TRIMETHYLBENZENE	19.629	105	11668	0.1080	PPBV #	40
107) 1,2,4-TRICHLOROBENZENE	23.226	180	9822	0.1428	PPBV	95
108) NAPHTHALENE	22.884	128	19361	0.1282	PPBV	97

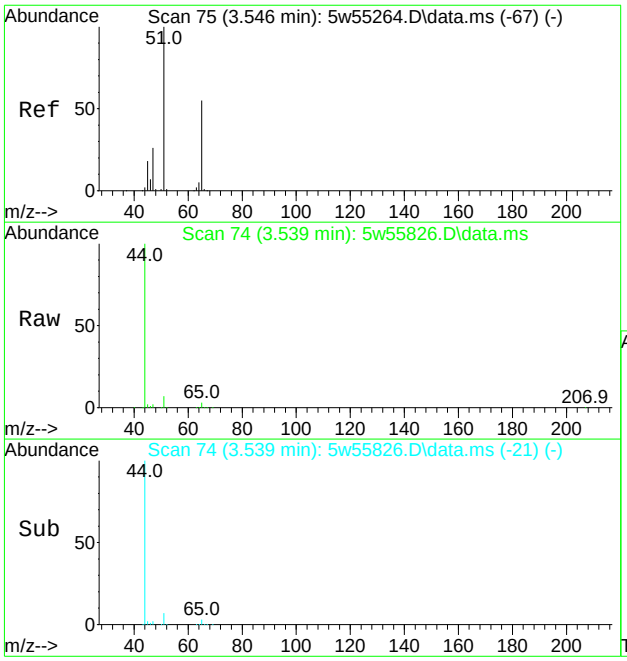
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\122424\v5w2138\
Data File : 5w55826.D
Acq On : 23 Dec 2024 4:11 pm
Operator : thomash
Sample : je2315-1dup Inst : GCMS5W
Misc : MS88014,V5W2138,400,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 24 16:52:01 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

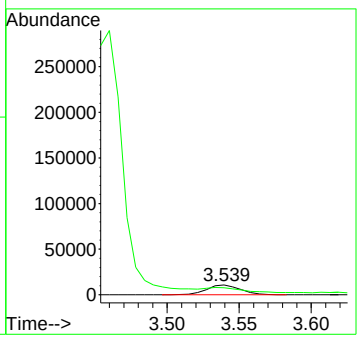


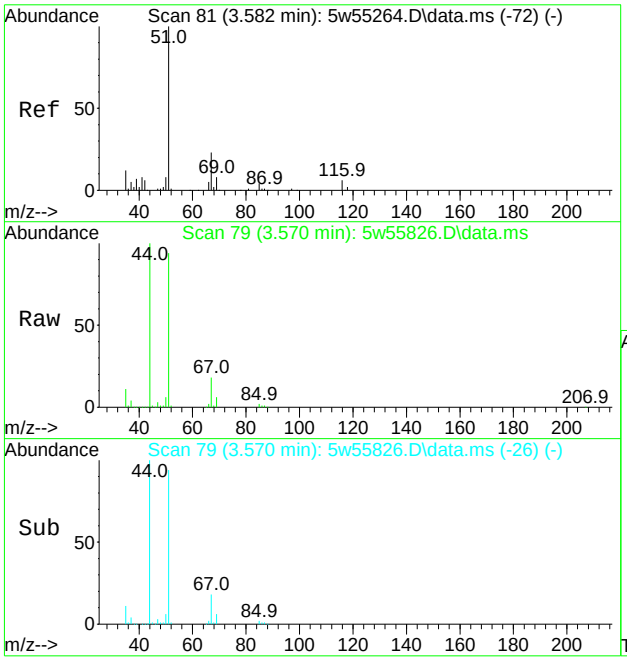


#3
FREON 152A
Concen: 1.0942 PPBV
RT: 3.539 min Scan# 74
Delta R.T. -0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 65 Resp: 17612

Ion	Ratio	Lower	Upper
65	100		
45	0.0	1.8	61.8#

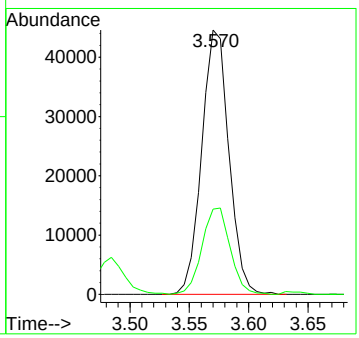


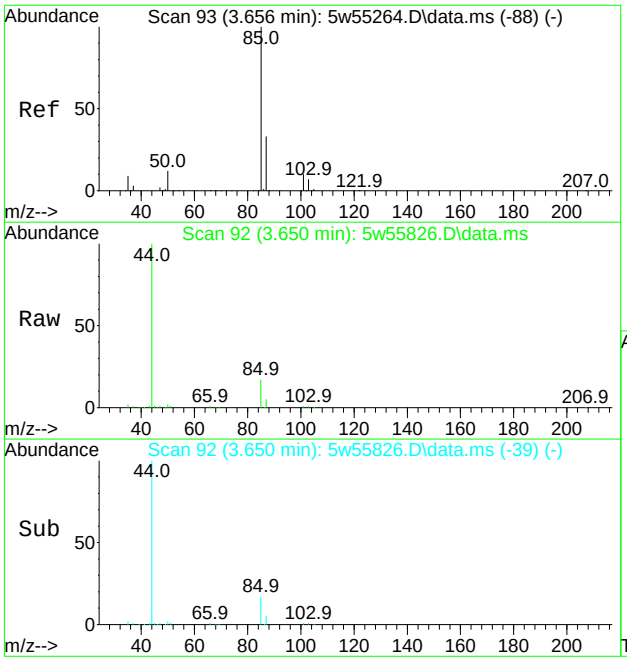


#4
CHLORODIFLUOROMETHANE
Concen: 8.4993 PPBV
RT: 3.570 min Scan# 79
Delta R.T. -0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 67 Resp: 70935

Ion	Ratio	Lower	Upper
67	100		
69	32.3	2.9	62.9

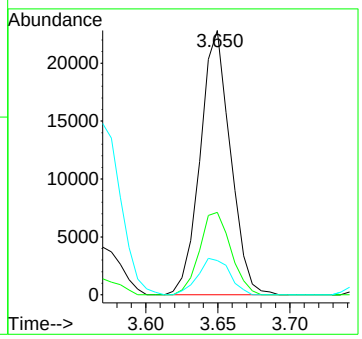


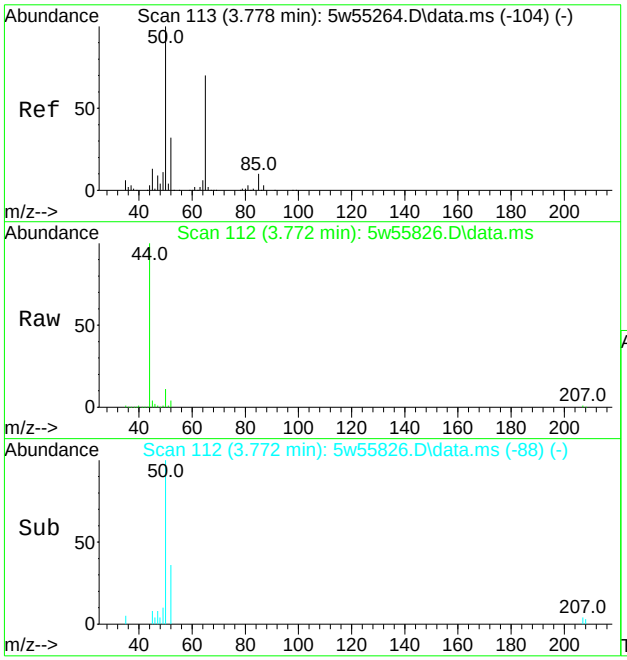


#6
DICHLORODIFLUOROMETHANE
Concen: 0.4190 PPBV
RT: 3.650 min Scan# 92
Delta R.T. -0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 85 Resp: 33315

Ion	Ratio	Lower	Upper
85	100		
87	32.3	2.6	62.6
50	14.5	0.0	43.0

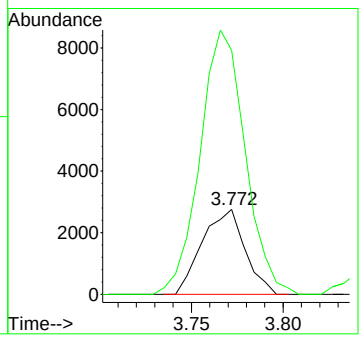


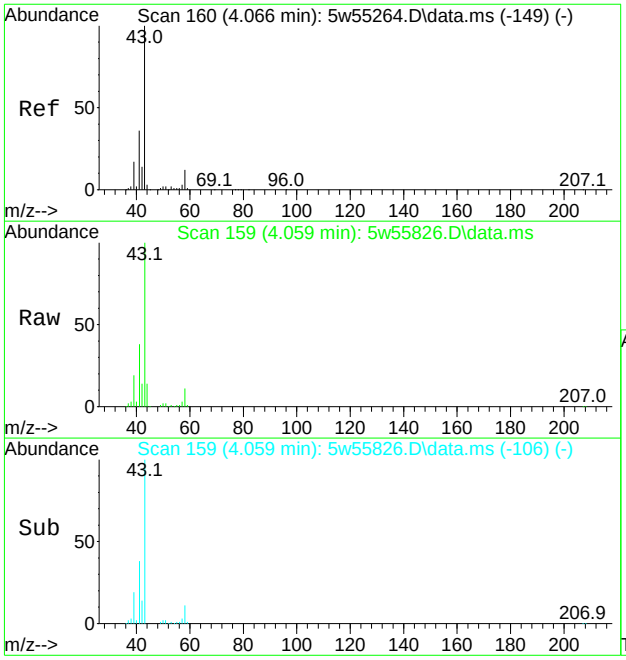


#10
CHLOROMETHANE
Concen: 0.4360 PPBV
RT: 3.772 min Scan# 112
Delta R.T. -0.000 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 52 Resp: 4470

Ion	Ratio	Lower	Upper
52	100		
50	278.9	287.9	347.9#

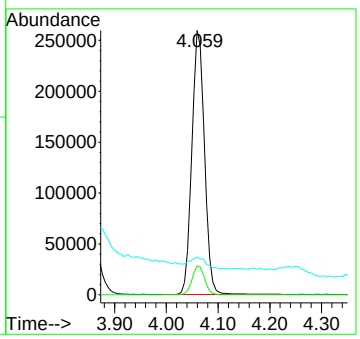


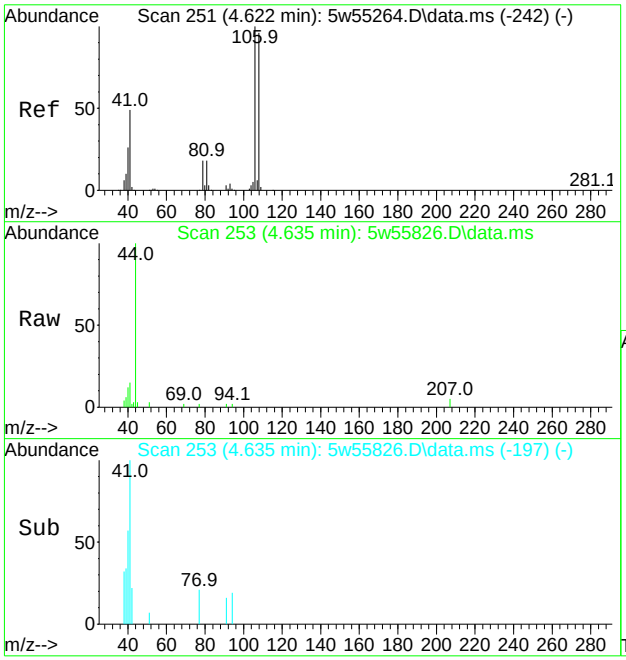


#13
n-BUTANE
Concen: 9.4501 PPBV
RT: 4.059 min Scan# 159
Delta R.T. -0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 43 Resp: 439213

Ion	Ratio	Lower	Upper
43	100		
58	10.8	0.0	41.6
44	0.0	0.0	34.7

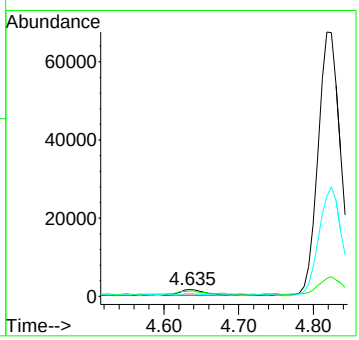


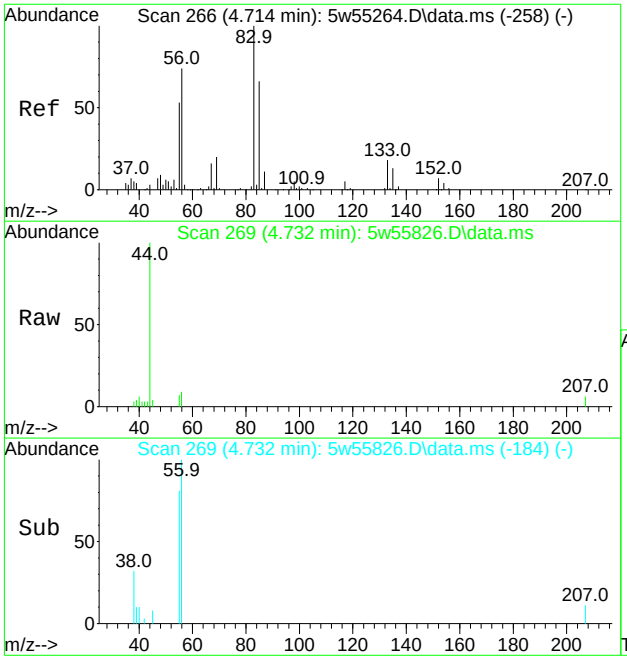


#17
ACETONITRILE
Concen: 0.1387 PPBV
RT: 4.635 min Scan# 253
Delta R.T. 0.012 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 41 Resp: 3723

Ion	Ratio	Lower	Upper
41	100		
40	80.2	38.4	71.4#
39	27.1	13.7	25.5#

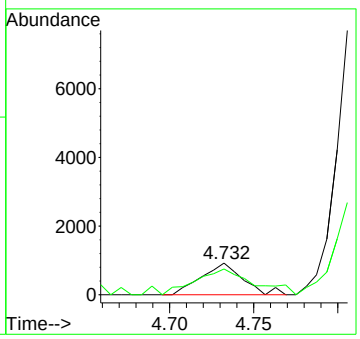


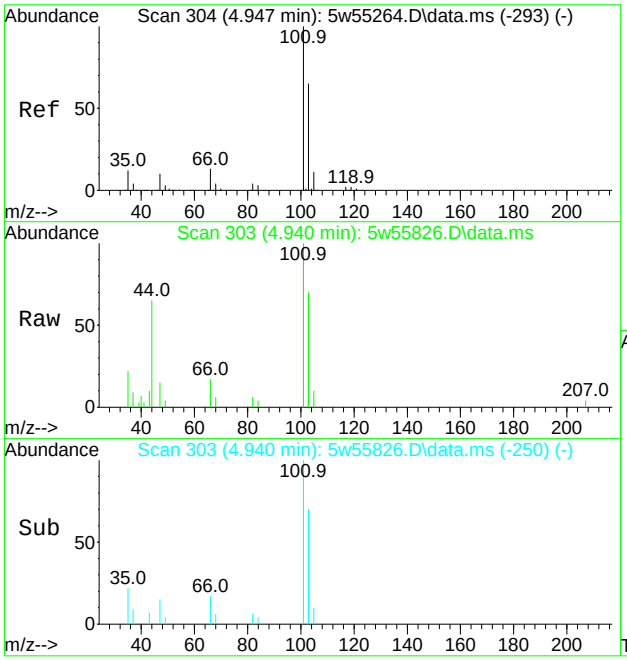


#18
ACROLEIN
Concen: 0.1355 PPBV
RT: 4.732 min Scan# 269
Delta R.T. 0.018 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 56 Resp: 1588

Ion	Ratio	Lower	Upper
56	100		
55	112.4	49.8	92.6#

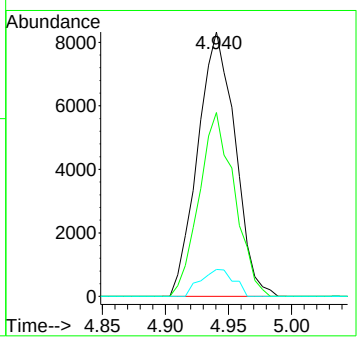


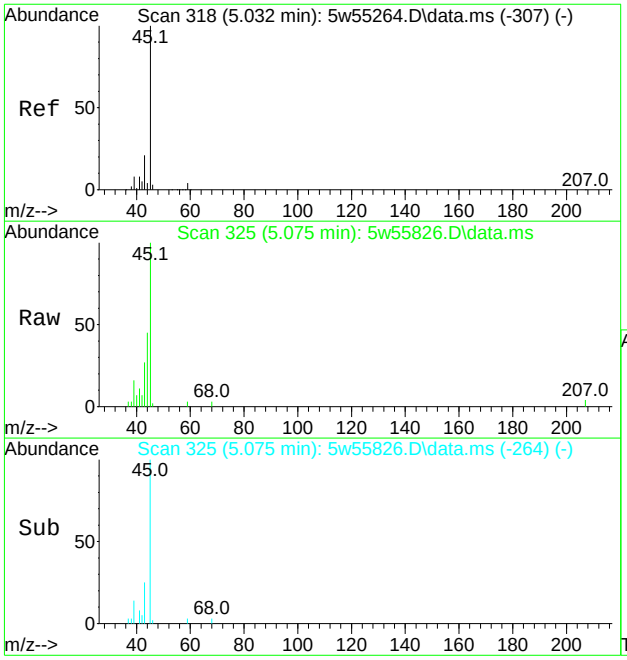


#21
TRICHLOROFLUOROMETHANE
Concen: 0.2330 PPBV
RT: 4.940 min Scan# 303
Delta R.T. -0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion:101 Resp: 17117

Ion	Ratio	Lower	Upper
101	100		
103	65.9	34.7	94.7
105	9.1	0.0	40.5

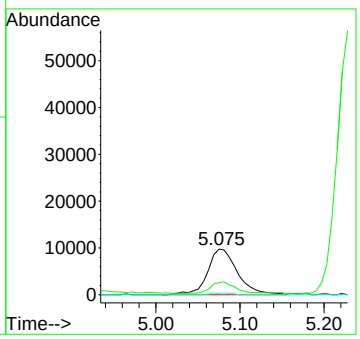


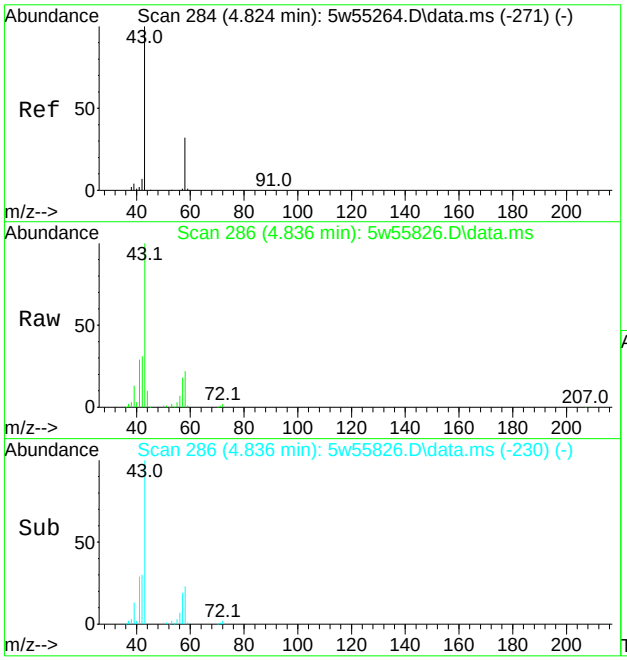


#22
ISOPROPYL ALCOHOL
Concen: 0.5202 PPBV
RT: 5.075 min Scan# 325
Delta R.T. 0.043 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 45 Resp: 24215

Ion	Ratio	Lower	Upper
45	100		
43	27.1	0.0	50.8
59	2.7	0.0	33.8

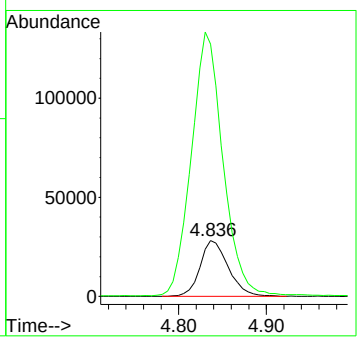


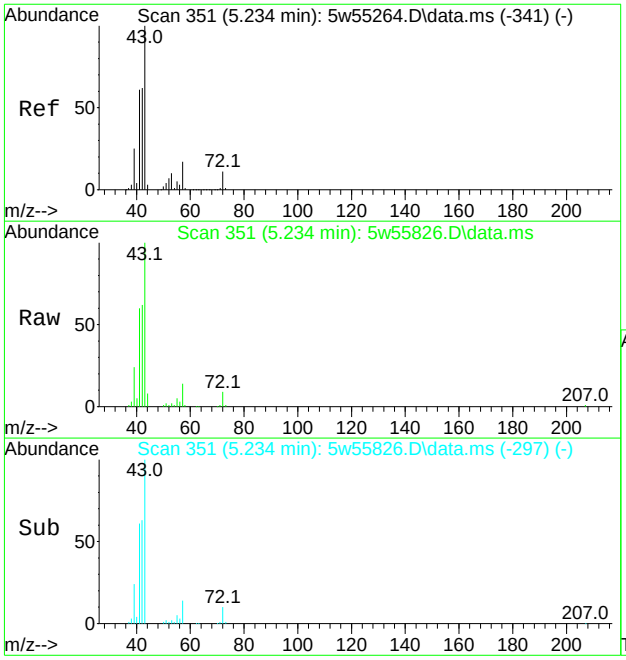


#23
ACETONE
Concen: 3.5913 PPBV
RT: 4.836 min Scan# 286
Delta R.T. 0.012 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 58 Resp: 63014

Ion	Ratio	Lower	Upper
58	100		
43	530.6	312.3	372.3#

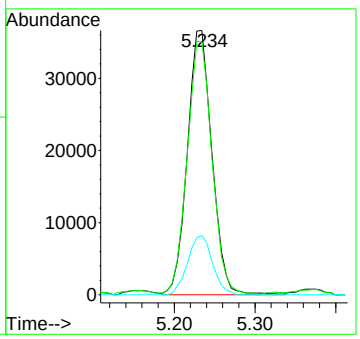


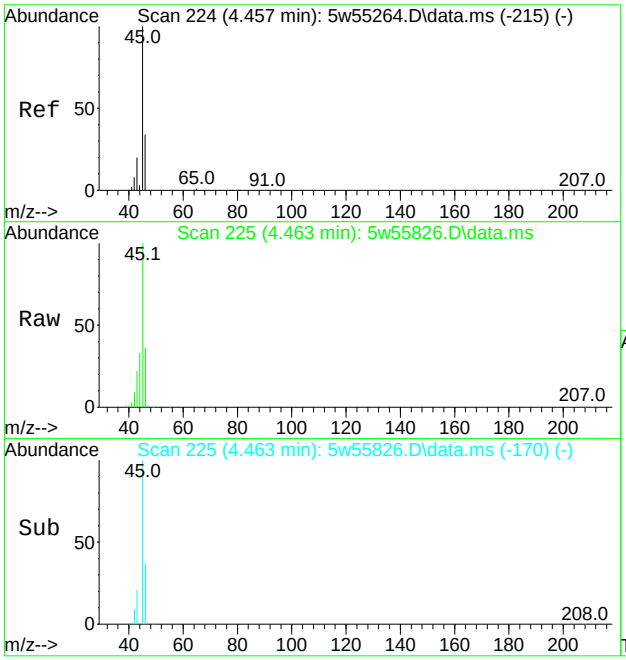


#24
PENTANE
Concen: 3.3694 PPBV
RT: 5.234 min Scan# 351
Delta R.T. -0.000 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 42 Resp: 77918

Ion	Ratio	Lower	Upper
42	100		
41	96.8	64.4	124.4
57	22.4	0.0	55.0

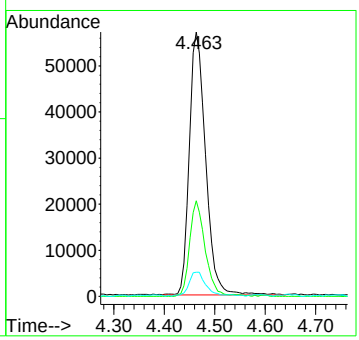


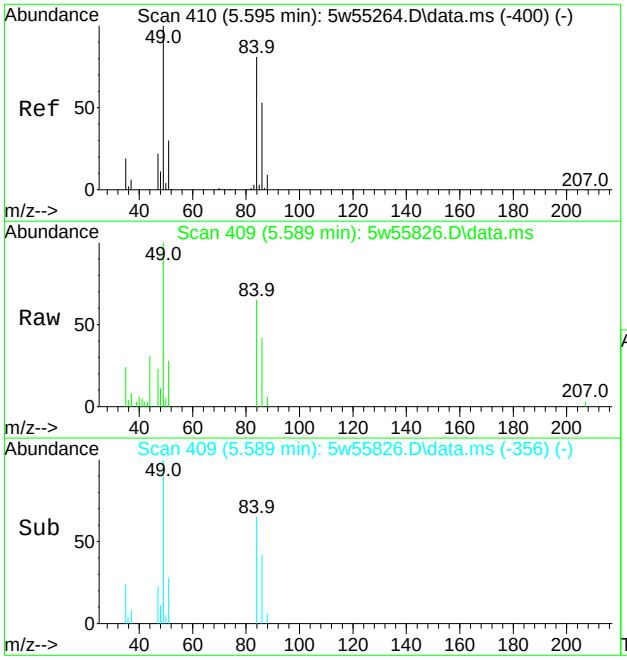


#28
ETHANOL
Concen: 7.5359 PPBV
RT: 4.463 min Scan# 225
Delta R.T. 0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 45 Resp: 128568

Ion	Ratio	Lower	Upper
45	100		
46	34.7	4.5	64.5
42	10.1	0.0	38.6

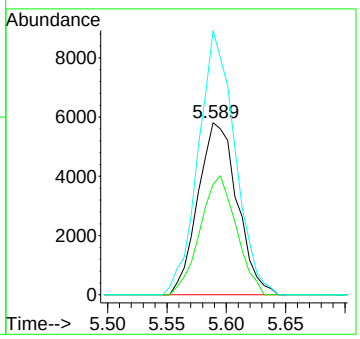


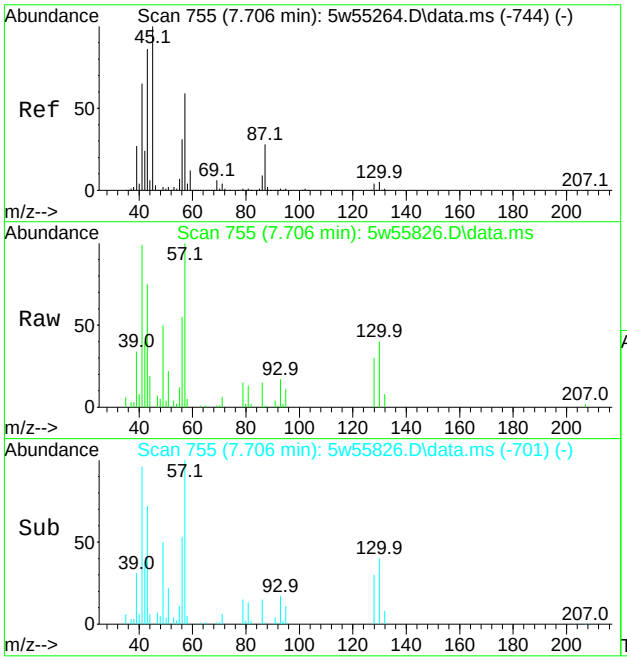


#31
METHYLENE CHLORIDE
Concen: 0.5844 PPBV
RT: 5.589 min Scan# 409
Delta R.T. -0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 84 Resp: 13335

Ion	Ratio	Lower	Upper
84	100		
86	63.7	34.0	94.0
49	143.0	105.8	165.8

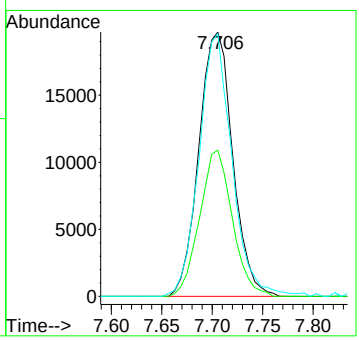


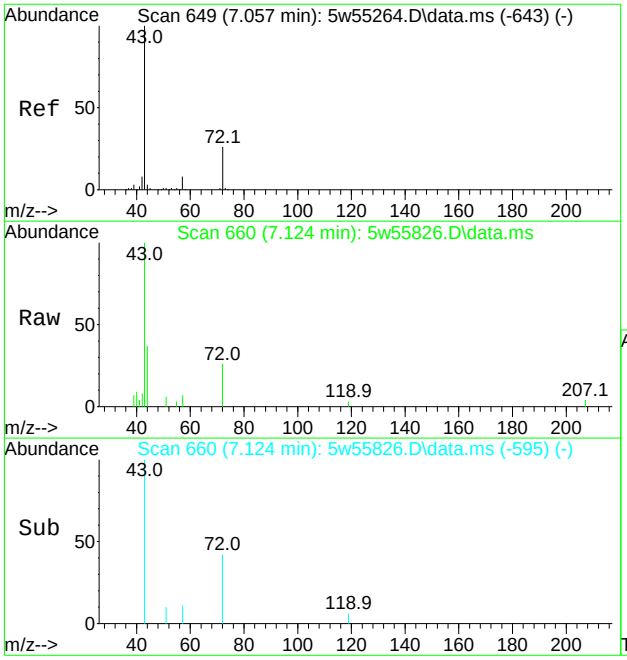


#38
HEXANE
Concen: 1.3534 PPBV
RT: 7.706 min Scan# 755
Delta R.T. -0.000 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 57 Resp: 46133

Ion	Ratio	Lower	Upper
57	100		
56	53.4	24.2	84.2
41	97.1	92.1	152.1

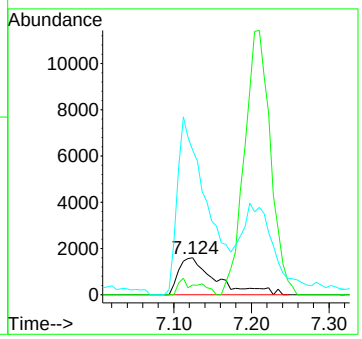


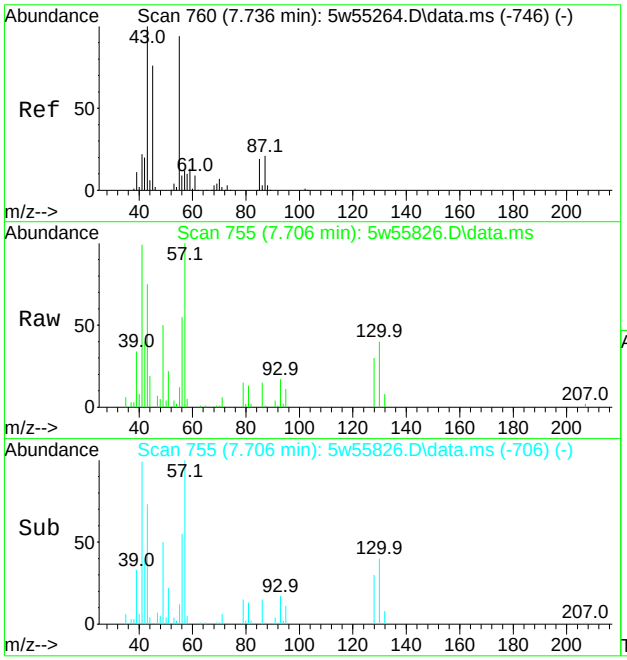


#41
METHYL ETHYL KETONE
Concen: 0.5728 PPBV
RT: 7.124 min Scan# 660
Delta R.T. 0.067 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 72 Resp: 5405

Ion	Ratio	Lower	Upper
72	100		
57	26.9	1.1	61.1
43	390.7	390.6	450.6

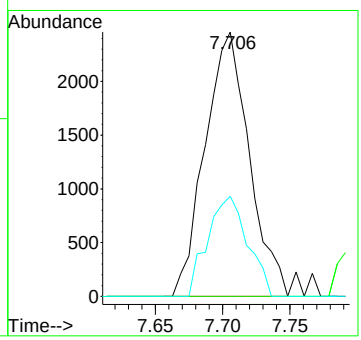


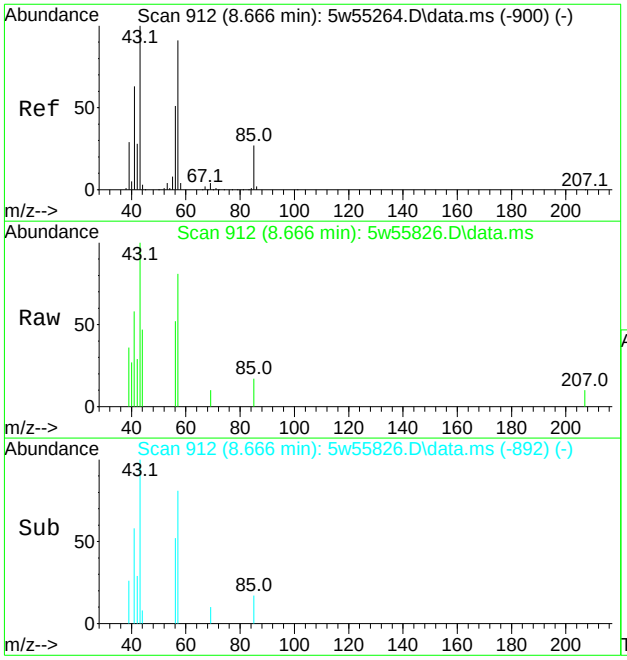


#45
METHYL ACRYLATE
Concen: 0.1357 PPBV
RT: 7.706 min Scan# 755
Delta R.T. -0.031 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 55 Resp: 5623

Ion	Ratio	Lower	Upper
55	100		
85	0.0	11.4	21.2#
58	34.2	9.7	17.9#

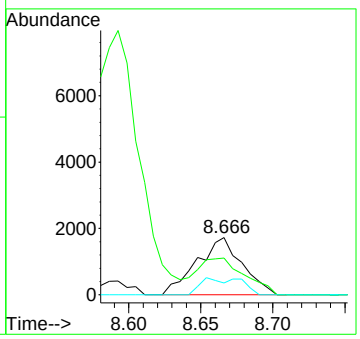


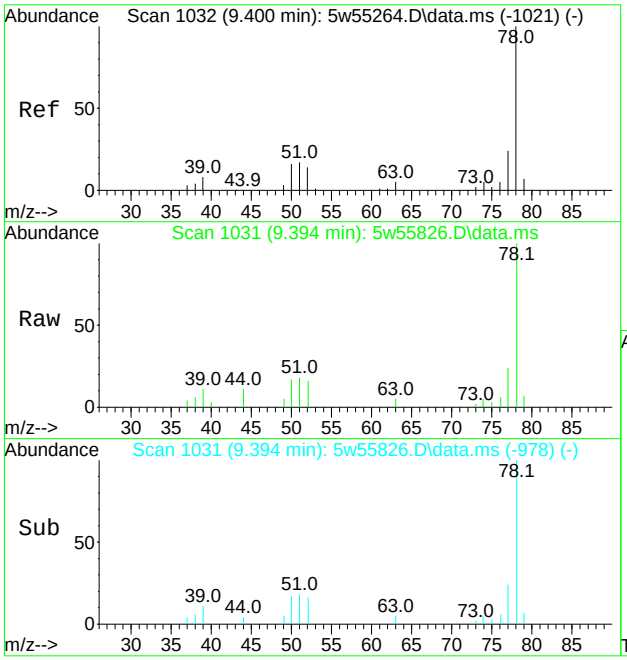


#47
2,4-DIMETHYLPENTANE
Concen: 0.1015 PPBV
RT: 8.666 min Scan# 912
Delta R.T. -0.000 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 57 Resp: 3784

Ion	Ratio	Lower	Upper
57	100		
56	69.1	26.4	86.4
85	26.3	0.0	56.0

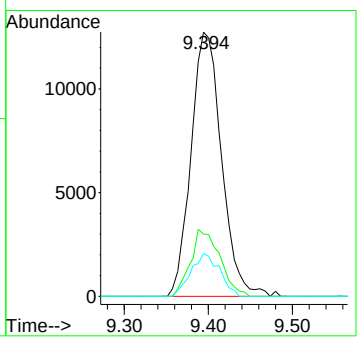


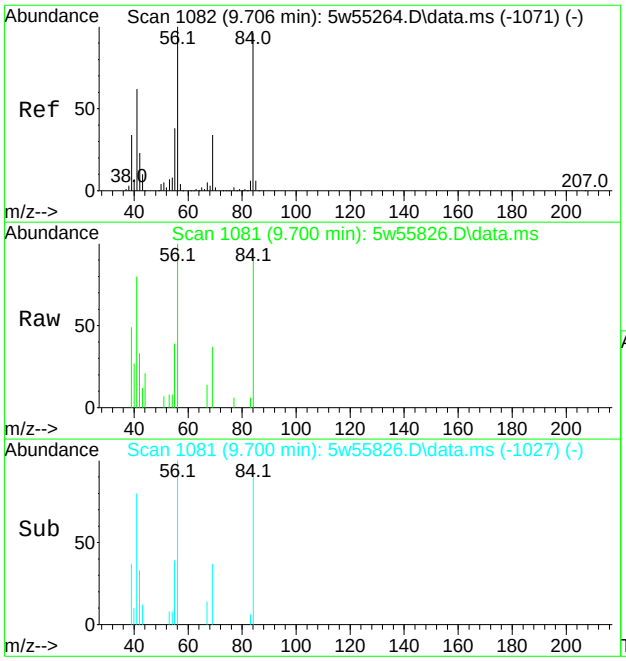


#52
BENZENE
Concen: 0.4122 PPBV
RT: 9.394 min Scan# 1031
Delta R.T. -0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 78 Resp: 32183

Ion	Ratio	Lower	Upper
78	100		
77	24.3	0.0	54.0
52	15.2	0.0	45.6

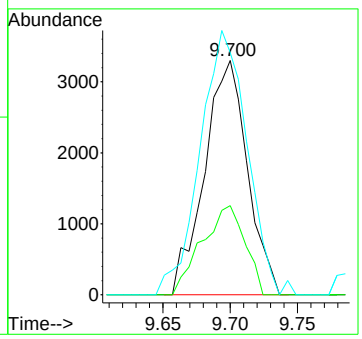


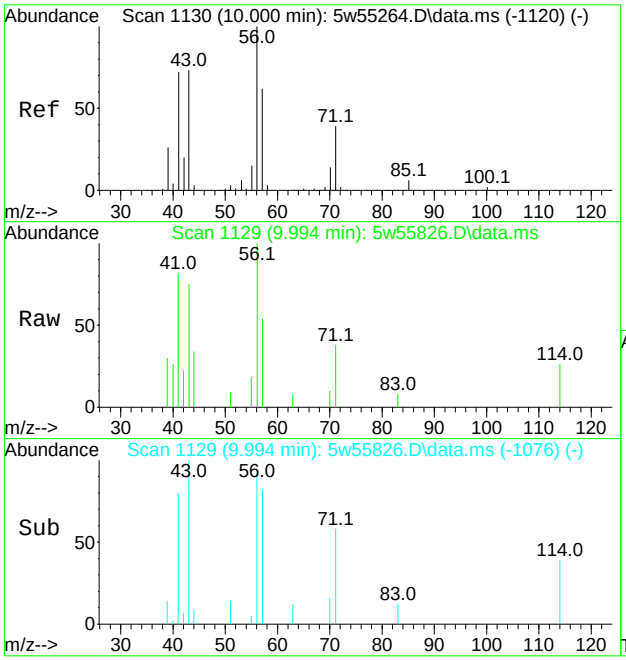


#53
CYCLOHEXANE
Concen: 0.2500 PPBV
RT: 9.700 min Scan# 1081
Delta R.T. -0.000 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 84 Resp: 7334

Ion	Ratio	Lower	Upper
84	100		
69	38.0	7.0	67.0
56	123.5	86.5	146.5

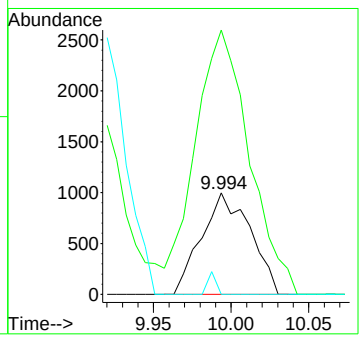


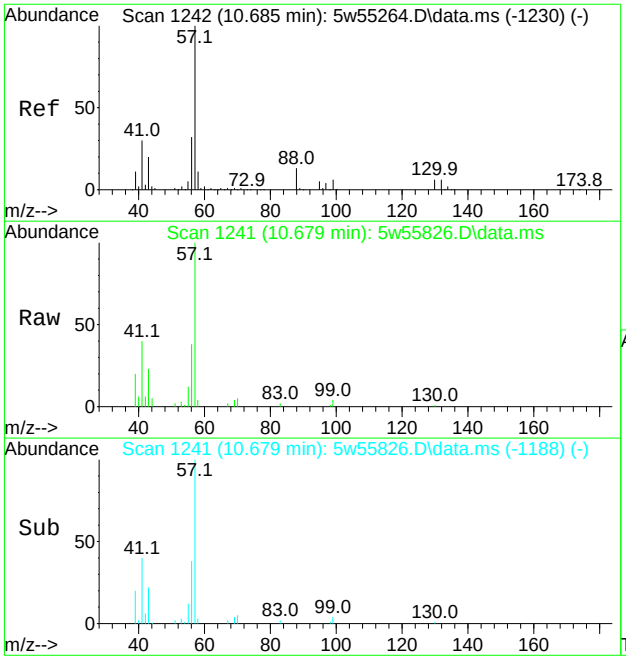


#54
2,3-DIMETHYLPENTANE
Concen: 0.1374 PPBV
RT: 9.994 min Scan# 1129
Delta R.T. -0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 71 Resp: 2176

Ion	Ratio	Lower	Upper
71	100		
56	289.2	235.4	295.4
85	0.0	0.0	45.3

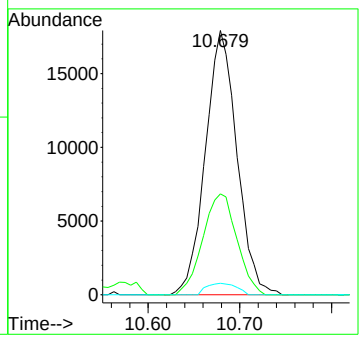


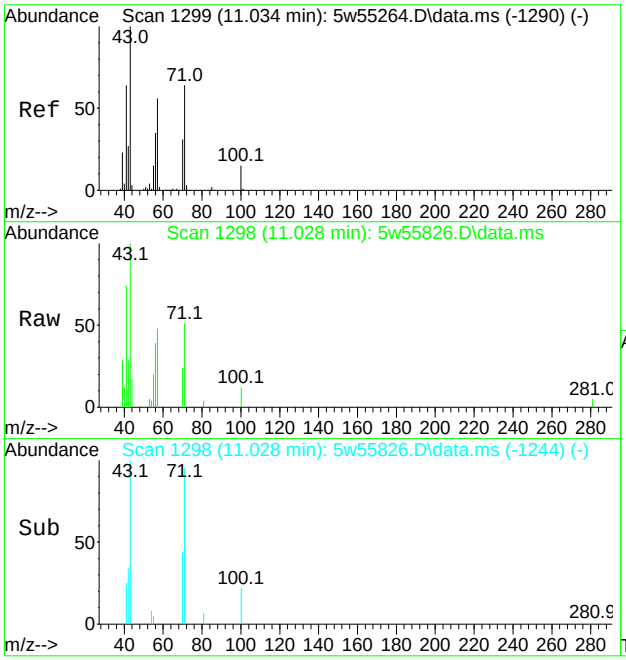


#60
2,2,4-TRIMETHYLPENTANE
Concen: 0.3615 PPBV
RT: 10.679 min Scan# 1241
Delta R.T. -0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 57 Resp: 42861

Ion	Ratio	Lower	Upper
57	100		
56	41.2	2.2	62.2
99	4.1	0.0	37.6

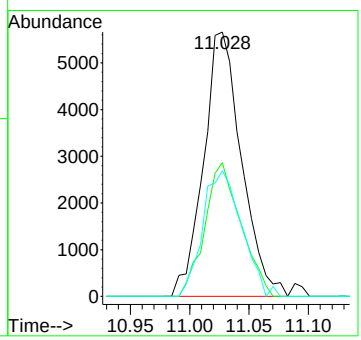


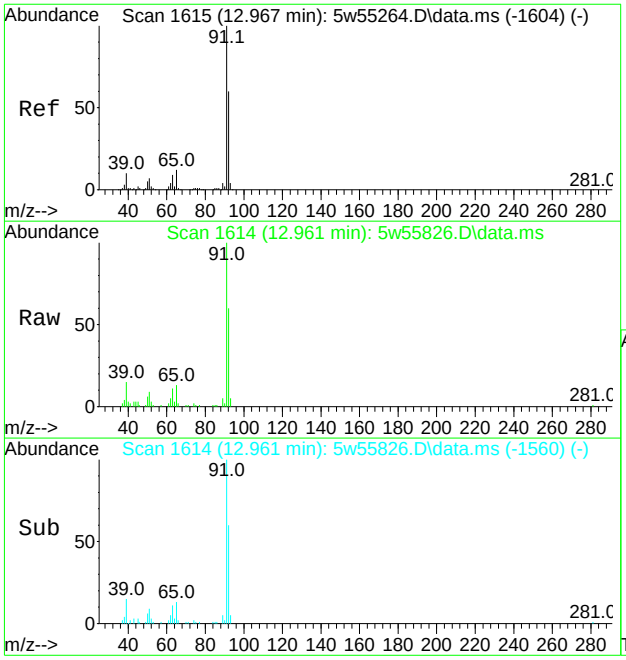


#62
HEPTANE
Concen: 0.3032 PPBV
RT: 11.028 min Scan# 1298
Delta R.T. -0.000 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 43 Resp: 12558

Ion	Ratio	Lower	Upper
43	100		
71	48.0	27.2	87.2
57	48.7	22.5	82.5

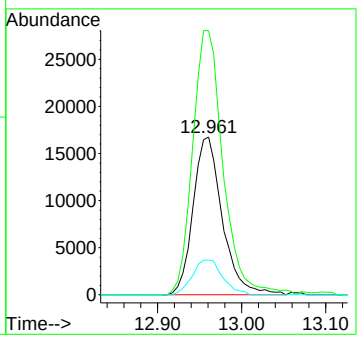


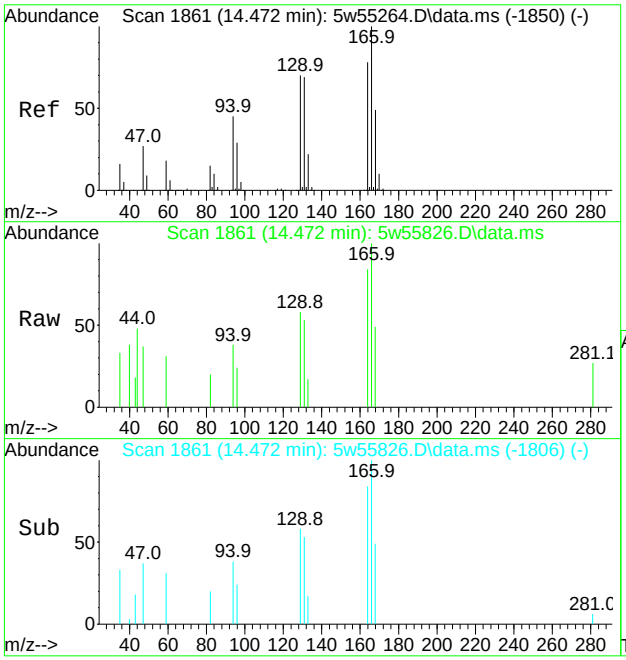


#66
TOLUENE
Concen: 0.7412 PPBV
RT: 12.961 min Scan# 1614
Delta R.T. -0.000 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 92 Resp: 40482

Ion	Ratio	Lower	Upper
92	100		
91	174.0	143.4	203.4
65	22.9	0.0	53.8

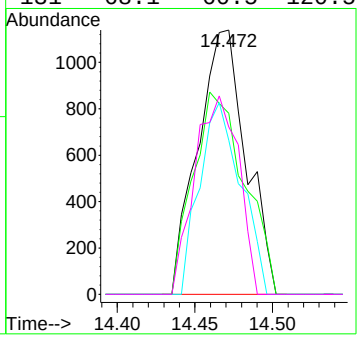


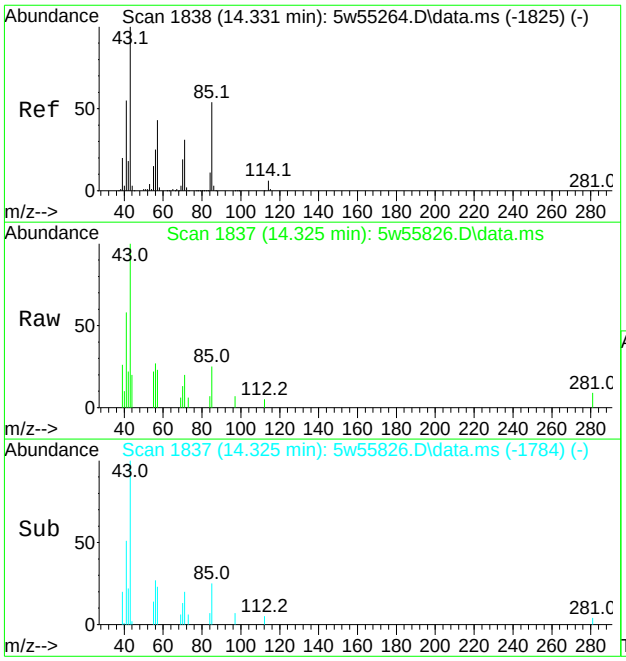


#73
TETRACHLOROETHYLENE
Concen: 0.0609 PPBV
RT: 14.472 min Scan# 1861
Delta R.T. 0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion:164 Resp: 2473

Ion	Ratio	Lower	Upper
164	100		
129	81.1	64.4	124.4
168	62.3	31.2	91.2
131	68.1	60.5	120.5

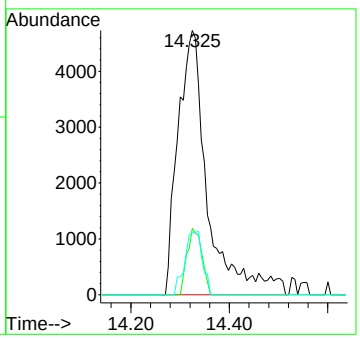


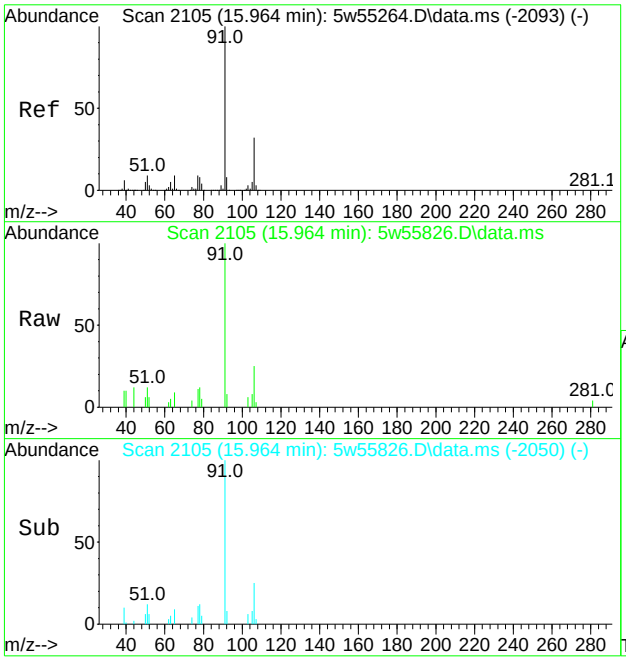


#76
OCTANE
Concen: 0.3622 PPBV
RT: 14.325 min Scan# 1837
Delta R.T. -0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 43 Resp: 19766

Ion	Ratio	Lower	Upper
43	100		
85	12.6	13.7	73.7#
57	14.3	9.9	69.9

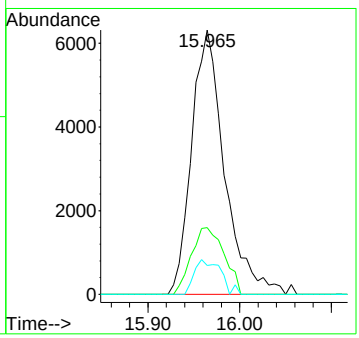


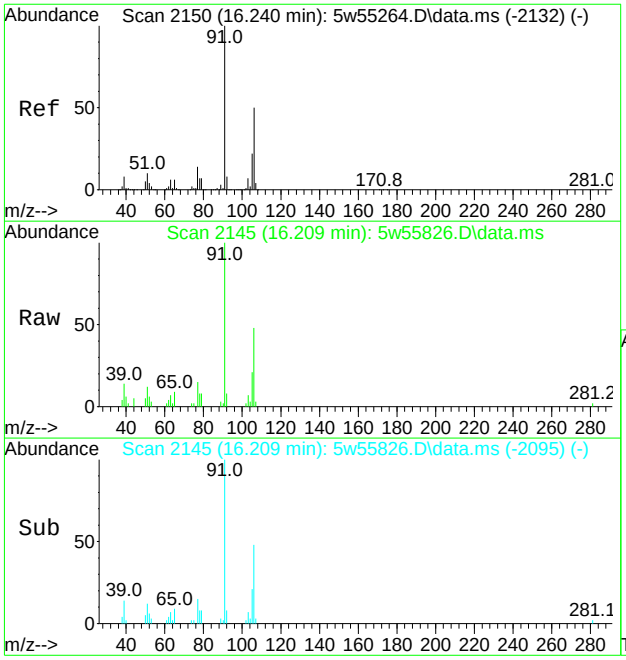


#79
ETHYLBENZENE
Concen: 0.1374 PPBV
RT: 15.964 min Scan# 2105
Delta R.T. 0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 91 Resp: 15737

Ion	Ratio	Lower	Upper
91	100		
106	25.2	0.0	59.9
77	10.5	0.0	39.1

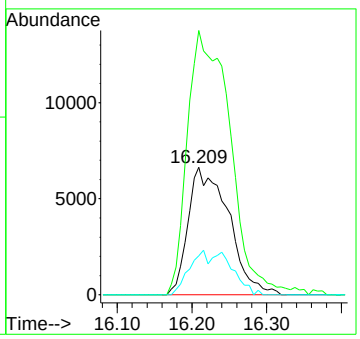


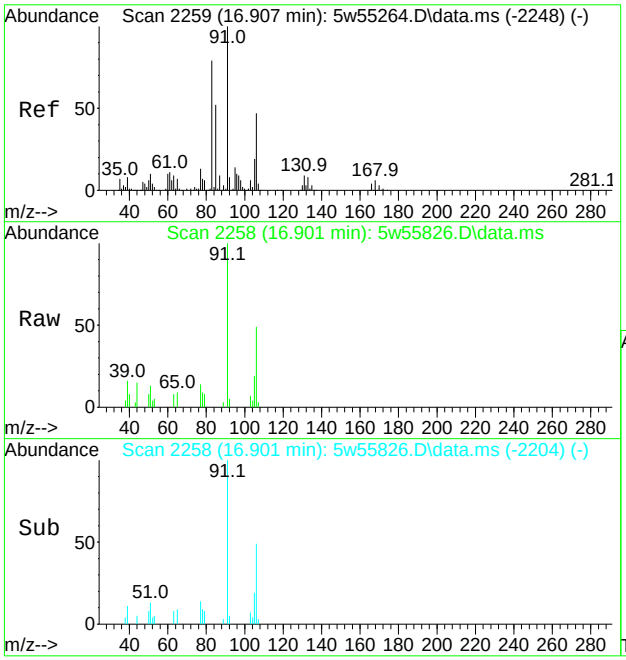


#80
m,p-XYLENE
Concen: 0.5735 PPBV
RT: 16.209 min Scan# 2145
Delta R.T. -0.025 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion:106 Resp: 24925

Ion	Ratio	Lower	Upper
106	100		
91	207.1	181.2	241.2
77	30.6	0.1	60.1

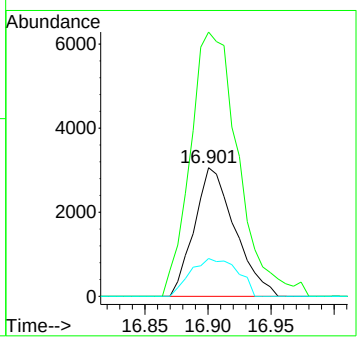


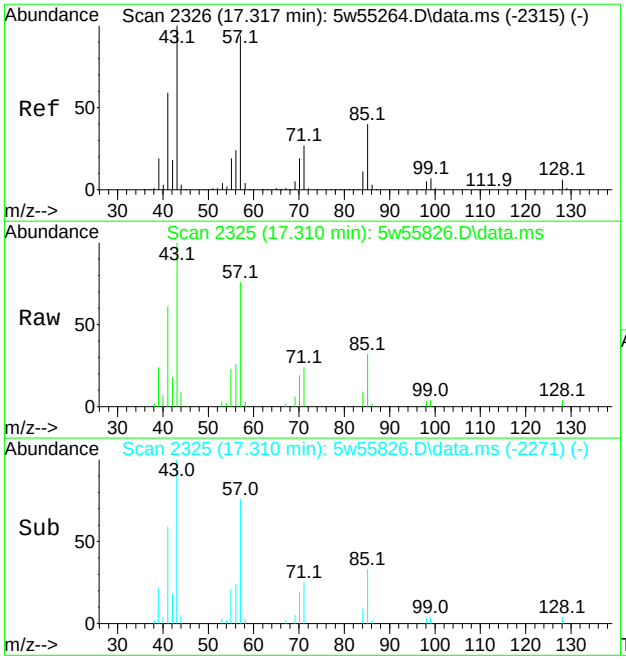


#81
o-XYLENE
Concen: 0.1621 PPBV
RT: 16.901 min Scan# 2258
Delta R.T. -0.000 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion:106 Resp: 6839

Ion	Ratio	Lower	Upper
106	100		
91	243.0	193.4	253.4
77	34.1	0.0	59.8

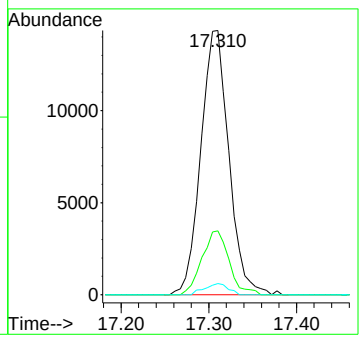


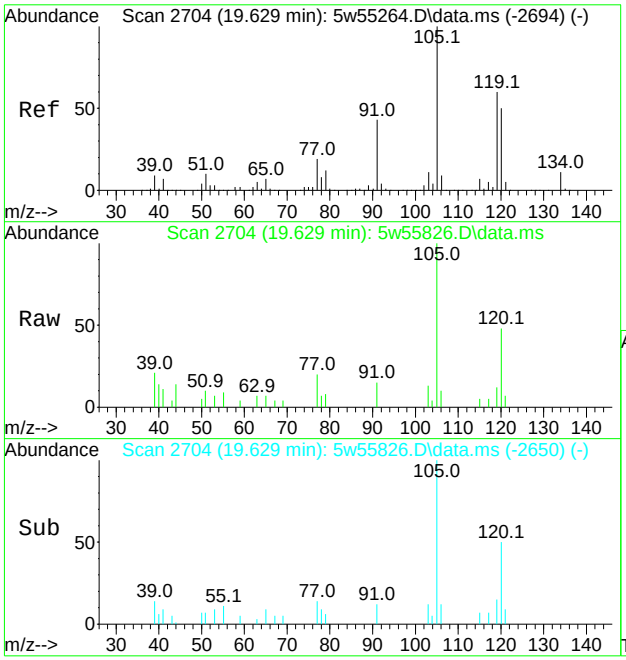


#83
NONANE
Concen: 0.5601 PPBV
RT: 17.310 min Scan# 2325
Delta R.T. -0.000 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 43 Resp: 31896

Ion	Ratio	Lower	Upper
43	100		
71	23.4	0.0	53.8
128	3.6	0.0	34.3

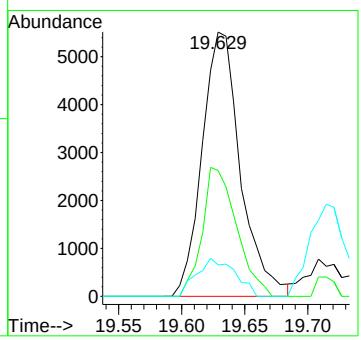


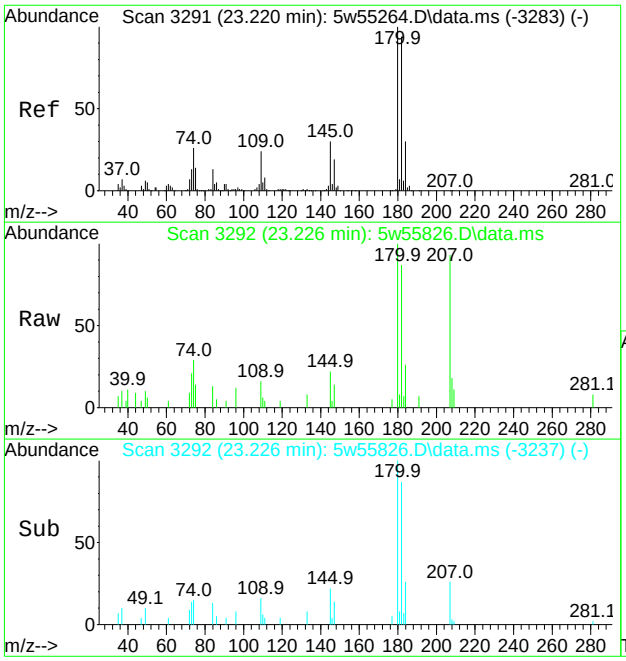


#96
1,2,4-TRIMETHYLBENZENE
Concen: 0.1080 PPBV
RT: 19.629 min Scan# 2704
Delta R.T. -0.000 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion:105 Resp: 11668

Ion	Ratio	Lower	Upper
105	100		
120	43.6	22.6	82.6
119	14.3	69.7	129.7#

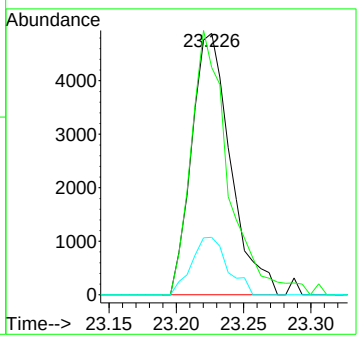


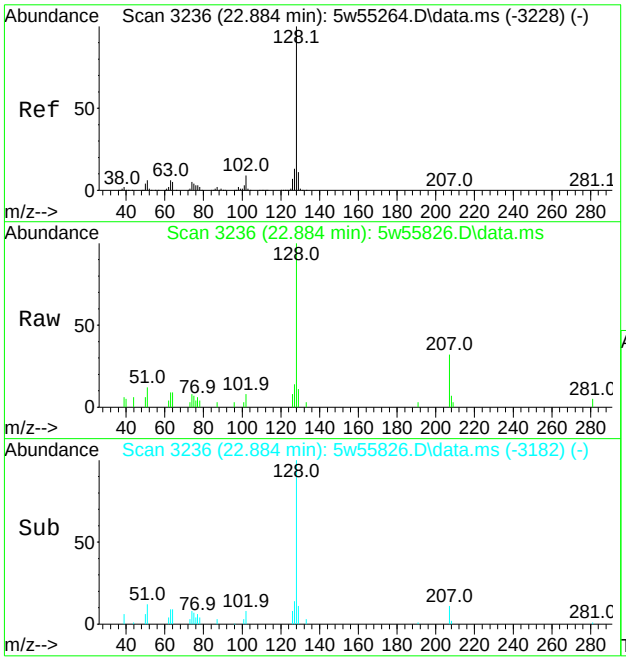


#107
1,2,4-TRICHLOROBENZENE
Concen: 0.1428 PPBV
RT: 23.226 min Scan# 3292
Delta R.T. 0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion:180 Resp: 9822

Ion	Ratio	Lower	Upper
180	100		
182	97.5	66.4	126.4
145	20.4	0.2	60.2

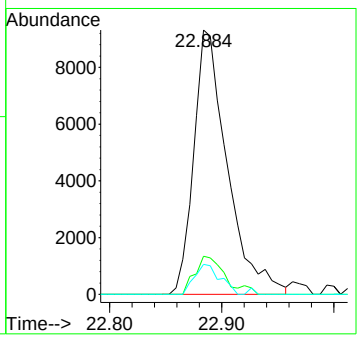




#108
NAPHTHALENE
Concen: 0.1282 PPBV
RT: 22.884 min Scan# 3236
Delta R.T. -0.000 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion:128 Resp: 19361

Ion	Ratio	Lower	Upper
128	100		
127	13.0	0.0	43.1
129	8.7	0.0	41.1



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\09-20-2024\V3W3503\
Data File : 3w88797.d
Acq On : 20 Sep 2024 3:46 am
Operator : thomash
Sample : scc(a852),cp12875 Inst : GCMS-3W
Misc : MS80966,v3w3503,,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 20 08:14:23 2024
Quant Method : C:\msdchem\1\methods\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Wed Sep 11 11:57:05 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	7.492	128	54473	10.00	PPBV	# 0.00
51) 1,4-DIFLUOROBENZENE	9.208	114	280242	10.00	PPBV	0.00
70) CHLOROBENZENE-D5	13.484	82	145606	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	7.492	128	54473	10.00	PPBV	# 0.00
System Monitoring Compounds						
85) 4-BROMOFLUOROBENZENE	15.145	95	165039	9.32	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 93.20%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

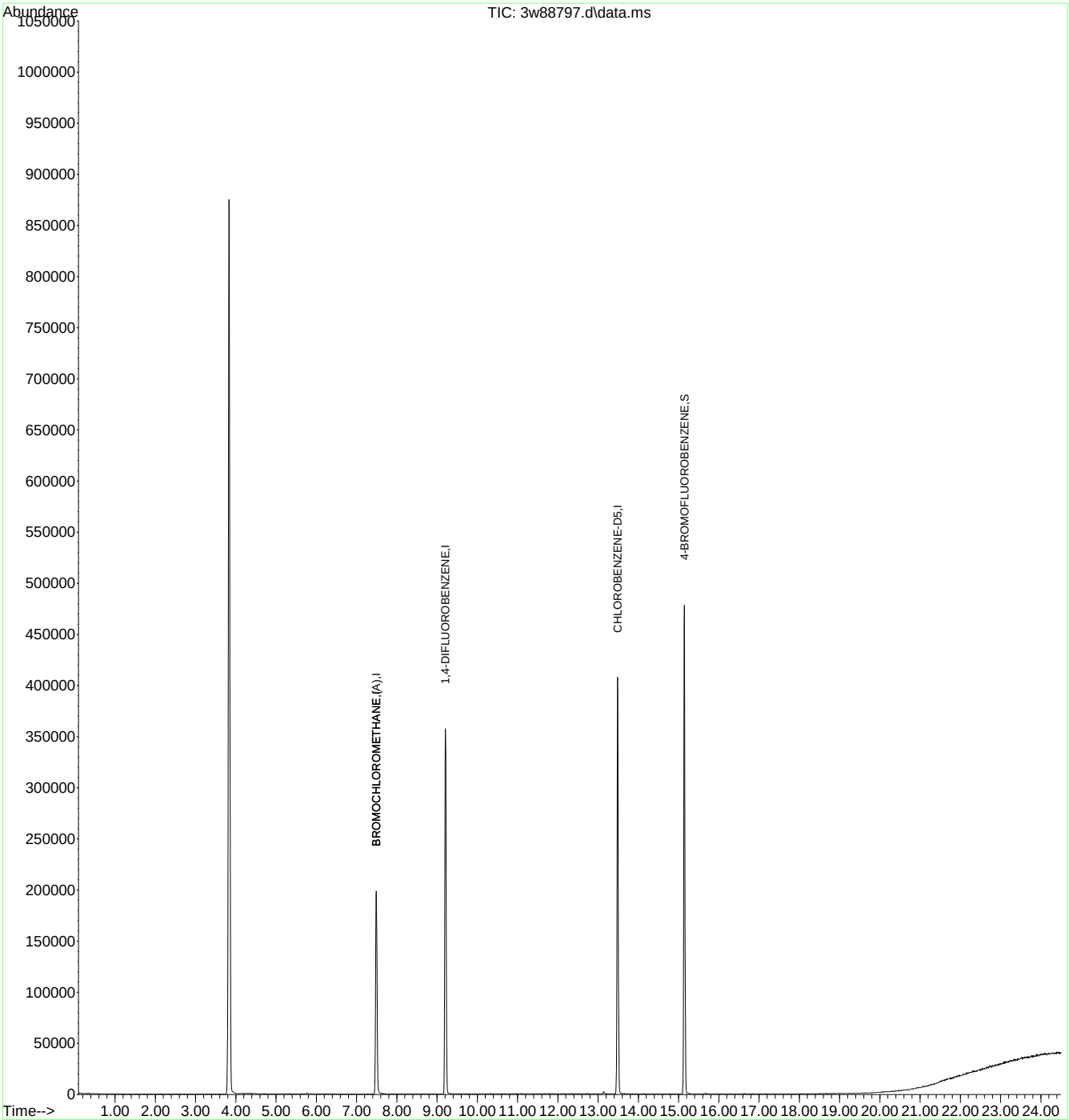
7.5.1

7

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\09-20-2024\V3W3503\
Data File : 3w88797.d
Acq On : 20 Sep 2024 3:46 am
Operator : thomash
Sample : scc(a852),cp12875 Inst : GCMS-3W
Misc : MS80966,v3w3503,,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 20 08:14:23 2024
Quant Method : C:\msdchem\1\methods\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Wed Sep 11 11:57:05 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\07 November 2024\v7w379\
Data File : 7w10315.d
Acq On : 6 Nov 2024 8:23 pm
Operator : thomash
Sample : scc(a276),cp12909 Inst : MS7W
Misc : MS86734,v7w379,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 07 04:28:42 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.277	128	58595	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.553	114	297956	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.122	117	266975	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.277	128	58595	10.00	PPBV	0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.482	95	182568	9.32	PPBV	0.00
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

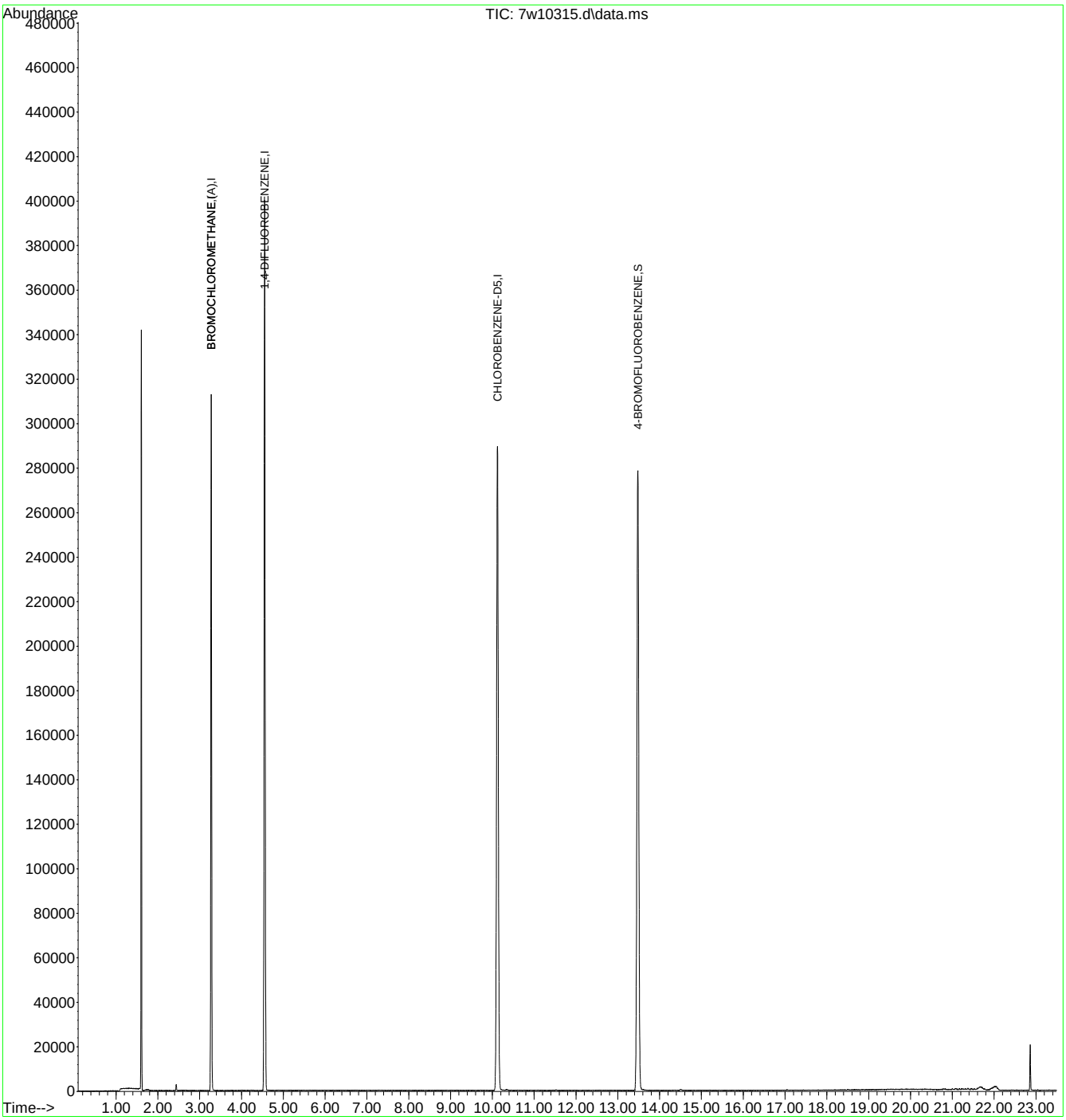
7.5.2

7

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\07 November 2024\v7w379\
Data File : 7w10315.d
Acq On : 6 Nov 2024 8:23 pm
Operator : thomash
Sample : scc(a276),cp12909 Inst : MS7W
Misc : MS86734,v7w379,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 07 04:28:42 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w10605.D
Acq On : 19 Nov 2024 4:48 am
Operator : thomash
Sample : scc(a779),cp12922
Misc : MS86930,v7w387,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 19 11:41:48 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

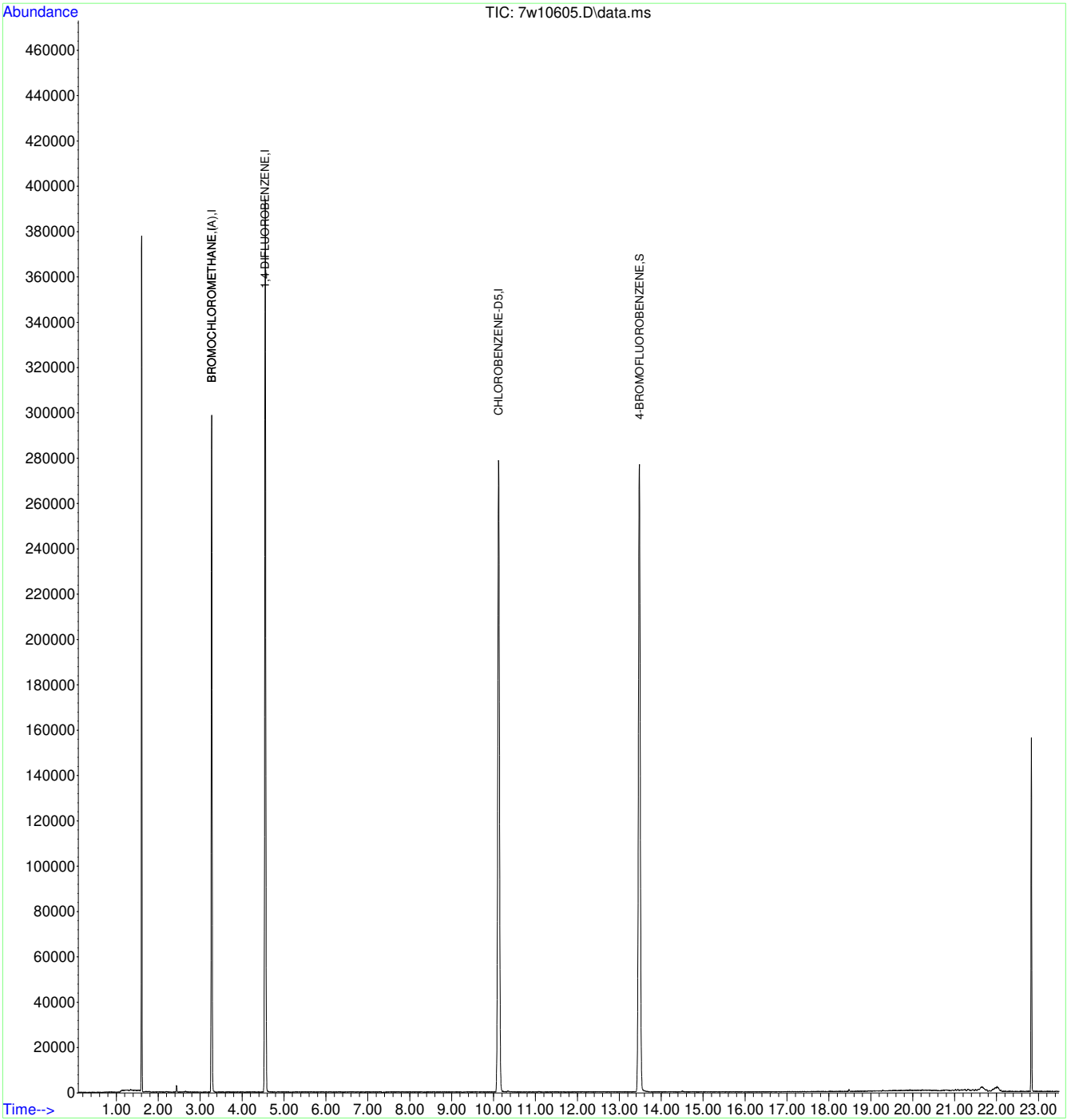
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.277	128	61555	10.00	PPBV	# 0.00
52) 1,4-DIFLUOROBENZENE	4.550	114	303415	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.119	117	282366	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.277	128	61555	10.00	PPBV	# 0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.479	95	175288	8.46	PPBV	0.00
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w10605.D
Acq On : 19 Nov 2024 4:48 am
Operator : thomash
Sample : scc(a779),cp12922
Misc : MS86930,v7w387,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 19 11:41:48 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\11-26-2024\V7W392\
Data File : 7w10777.D
Acq On : 26 Nov 2024 6:47 am
Operator : williamc
Sample : scc(a1858),cp12926 Inst : MS7W
Misc : MS87406,v7w392,,,,,1
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Nov 26 14:46:34 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

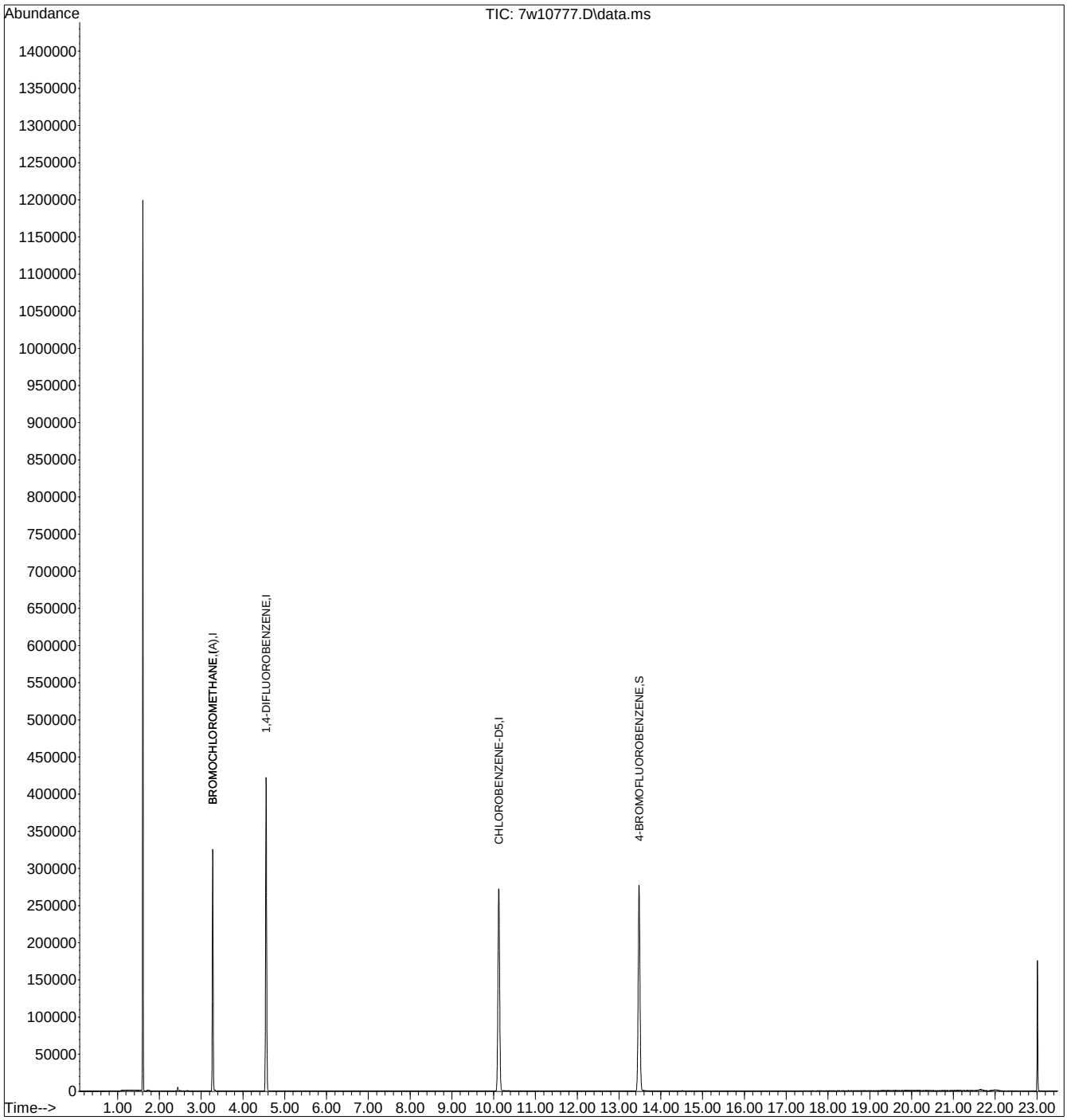
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.277	128	55670	10.00	PPBV	# 0.00
52) 1,4-DIFLUOROBENZENE	4.553	114	294531	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.122	117	228023	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.277	128	55670	10.00	PPBV	# 0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.479	95	166608	9.96	PPBV	0.00
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\11-26-2024\V7W392\
Data File : 7w10777.D
Acq On : 26 Nov 2024 6:47 am
Operator : williamc
Sample : scc(a1858),cp12926 Inst : MS7W
Misc : MS87406,v7w392,,,,,1
ALS Vial : 29 Sample Multiplier: 1

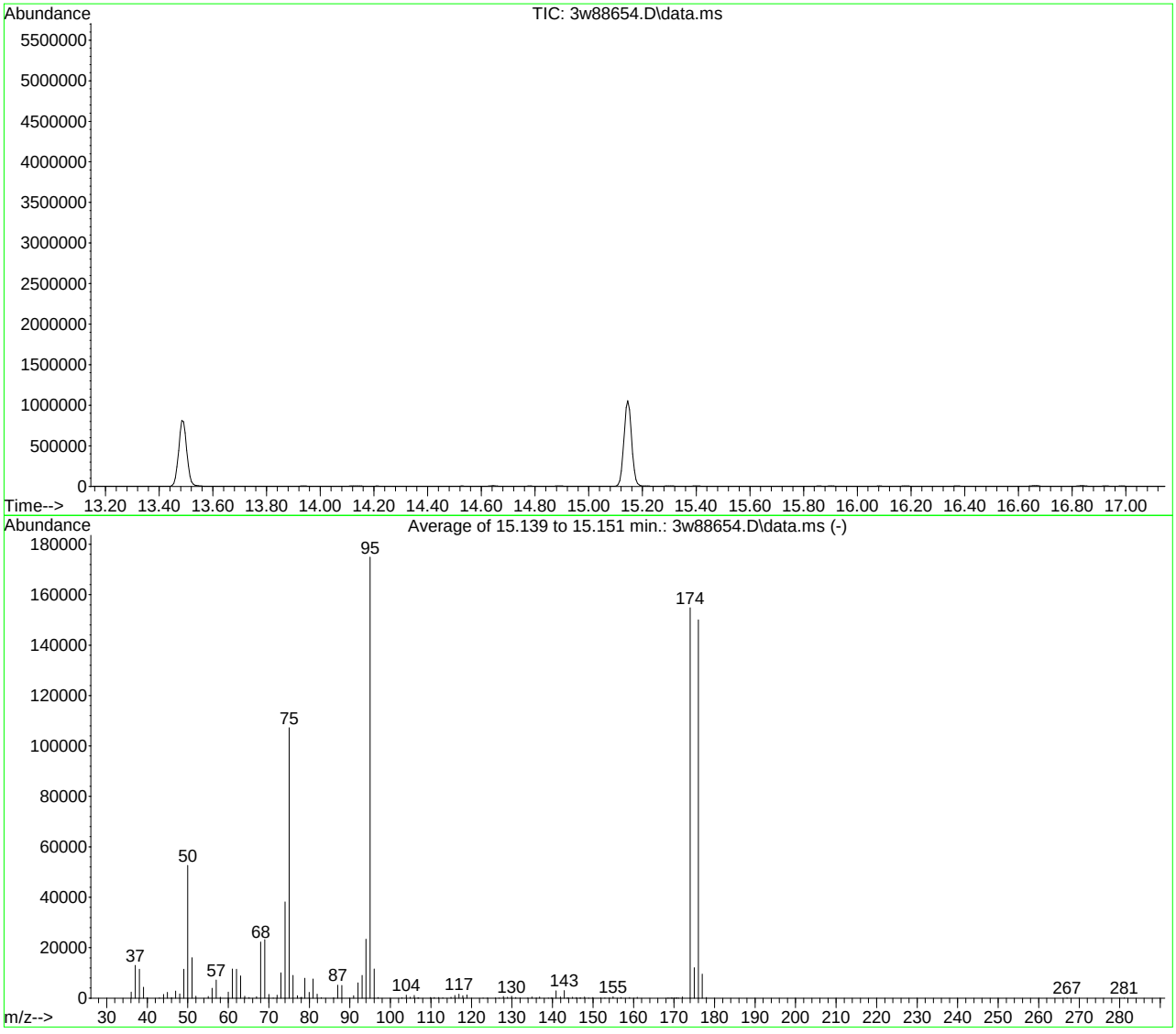
Quant Time: Nov 26 14:46:34 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



BFB

Data File : C:\msdchem\1\DATA\3w88654.D Vial: 2
Acq On : 9 Sep 2024 2:29 am Operator: benk
Sample : bfb Inst : GCMS-3W
Misc : MS80966,v3w3499,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P

Method : C:\msdchem\1\METHODS\M3W3499.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um



AutoFind: Scans 2475, 2476, 2477; Background Corrected with Scan 2465

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	30.1	52640	PASS
75	95	30	66	61.3	107221	PASS
95	95	100	100	100.0	174891	PASS
96	95	5	9	6.6	11581	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	88.5	154816	PASS
175	174	4	9	7.8	12056	PASS
176	174	93	101	96.9	150016	PASS
177	176	5	9	6.3	9496	PASS

3w88654.D M3W3499.M Tue Sep 10 21:17:57 2024

Average of 15.139 to 15.151 min.: 3w88654.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	2396	48.00	1722	62.00	11458	74.00	38149
37.05	13018	49.00	11509	63.05	8771	75.00	107221
38.05	11439	50.00	52640	64.05	804	76.00	8994
39.05	4302	51.05	16010	65.10	244	77.05	953
40.00	156	52.00	731	67.00	606	77.90	192
43.00	124	55.05	691	68.00	22251	78.05	372
44.00	1487	56.00	3948	69.00	23176	78.90	7924
45.00	2342	57.00	7205	70.00	1499	79.95	2274
45.90	42	58.05	317	71.10	37	80.90	7632
46.10	75	60.00	2399	72.05	1203	81.90	1630
47.00	2804	61.00	11574	73.00	10077	82.95	150

Average of 15.139 to 15.151 min.: 3w88654.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
86.00	141	103.95	1179	116.90	1572	132.00	43
87.00	5116	104.90	334	117.90	998	133.90	42
88.00	5004	105.90	1082	118.90	1321	134.95	447
90.95	933	106.80	72	122.90	36	136.00	39
92.00	6108	107.00	167	123.95	83	136.85	469
93.00	9042	109.90	223	125.90	44	139.00	34
94.00	23347	110.85	280	126.90	33	139.70	69
95.00	174891	111.90	234	127.90	713	139.90	56
96.00	11581	112.95	199	128.90	404	140.90	2894
96.95	272	114.95	343	129.95	794	141.95	420
102.85	151	115.90	1048	130.95	294	142.90	3006

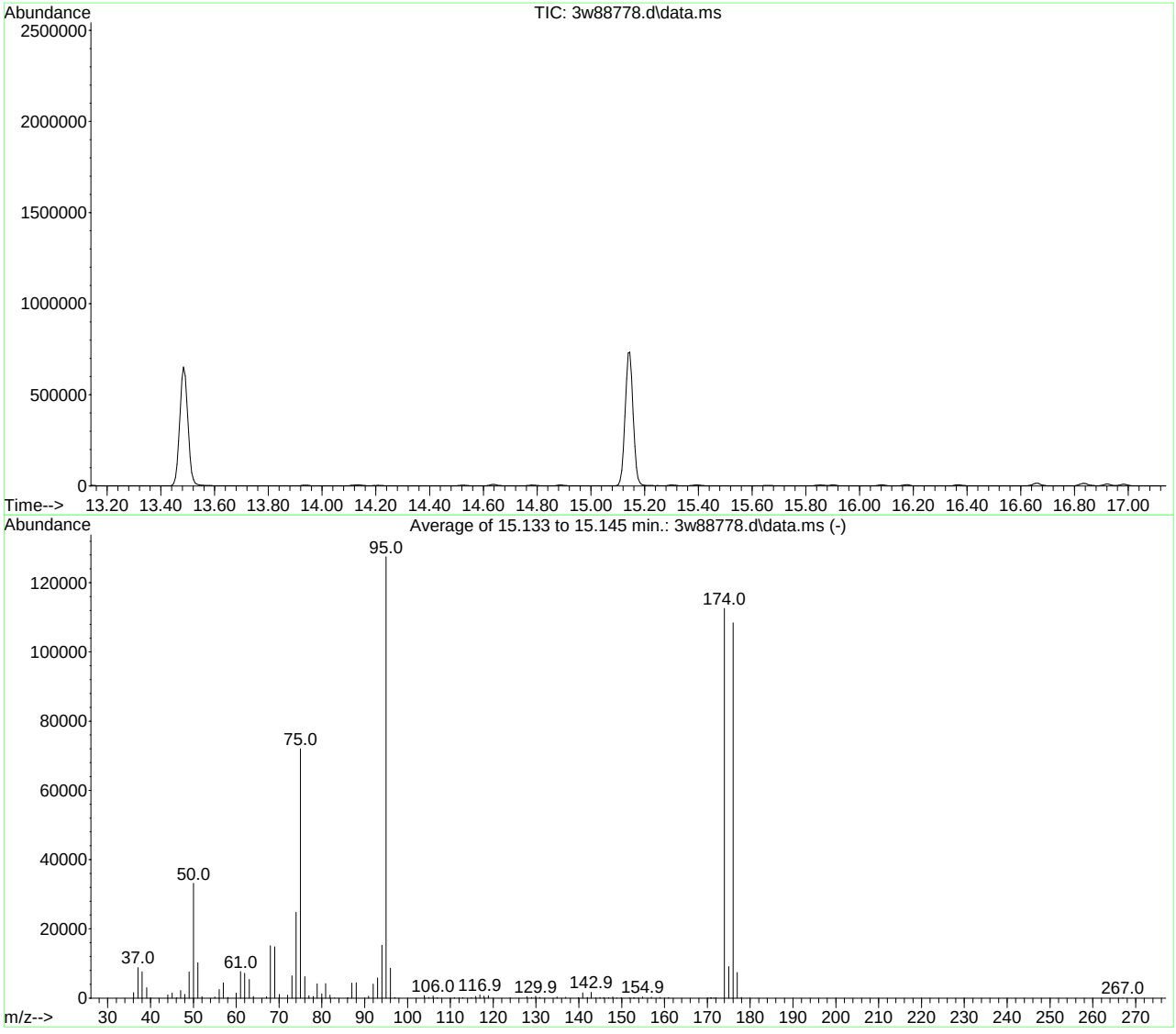
Average of 15.139 to 15.151 min.: 3w88654.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
143.70	118	154.05	111	170.75	155		
143.90	74	154.95	526	171.10	96		
144.95	316	156.90	310	172.10	438		
145.90	310	159.00	268	173.95	154816		
146.80	34	160.90	322	175.00	12056		
146.95	109	168.40	40	176.00	150016		
147.90	497	168.80	37	176.95	9496		
148.95	91	169.30	118	177.95	217		
149.95	221	169.60	65	267.00	82		
151.90	89	170.10	70	281.10	39		
152.95	105	170.40	63				

BFB

Data File : X:\Dayton VOA GCMS\g...024\V3W3503\3w88778.d Vial: 2
Acq On : 19 Sep 2024 12:37 pm Operator: thomash
Sample : bfb Inst : GCMS-3W
Misc : MS80966,v3w3503,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P

Method : C:\msdchem\1\methods\M3W3499.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um



AutoFind: Scans 2474, 2475, 2476; Background Corrected with Scan 2465

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	26.0	33147	PASS
75	95	30	66	56.5	71992	PASS
95	95	100	100	100.0	127493	PASS
96	95	5	9	6.8	8630	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	88.3	112611	PASS
175	174	4	9	8.1	9113	PASS
176	174	93	101	96.3	108400	PASS
177	176	5	9	6.8	7382	PASS

3w88778.d M3W3499.M Fri Sep 20 04:52:15 2024

Average of 15.133 to 15.145 min.: 3w88778.d\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	1638	50.00	33147	64.00	504	78.00	512
37.05	8794	51.05	10197	67.05	447	78.90	4159
38.00	7588	52.00	452	68.00	15129	80.00	1192
39.10	3001	55.00	356	69.00	14810	80.90	4203
40.00	25	56.00	2503	70.05	1093	81.90	865
44.00	943	57.00	4421	72.00	872	83.00	33
45.05	1472	58.05	185	73.00	6464	86.05	102
46.10	127	60.00	1471	74.00	24784	87.00	4350
47.05	2184	61.00	7678	75.00	71992	88.00	4456
48.00	1078	62.00	7193	76.00	6196	90.90	567
49.00	7559	63.05	5429	77.00	676	92.00	4077

Average of 15.133 to 15.145 min.: 3w88778.d\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
93.00	5855	112.85	116	134.90	315	148.90	38
94.00	15298	114.90	142	136.95	257	149.90	128
95.00	127493	115.95	485	139.90	122	151.80	40
96.00	8630	116.90	913	140.90	1565	152.80	42
97.05	206	117.85	571	141.95	190	153.00	50
103.90	677	118.90	689	142.90	1642	153.90	43
104.95	183	123.95	72	143.95	75	154.90	354
105.95	648	127.90	430	144.95	159	156.95	296
106.95	105	128.95	231	145.85	196	158.95	190
110.95	106	129.90	534	146.95	108	160.95	173
112.00	40	130.90	191	147.95	329	170.10	33

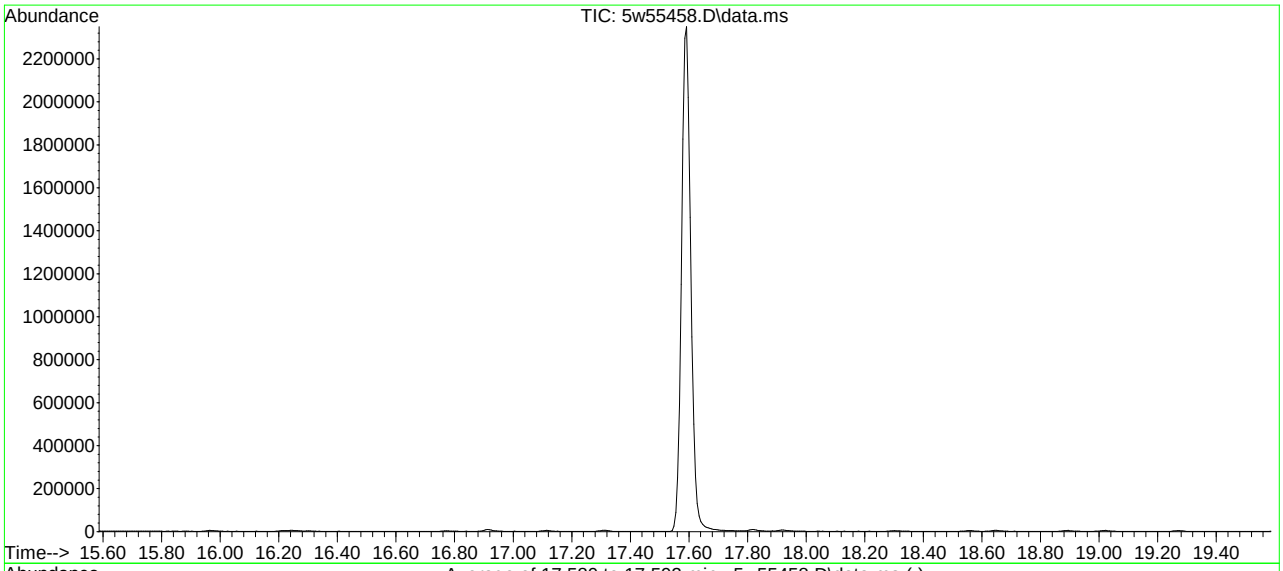
Average of 15.133 to 15.145 min.: 3w88778.d\data.ms
bfb
Modified:subtracted

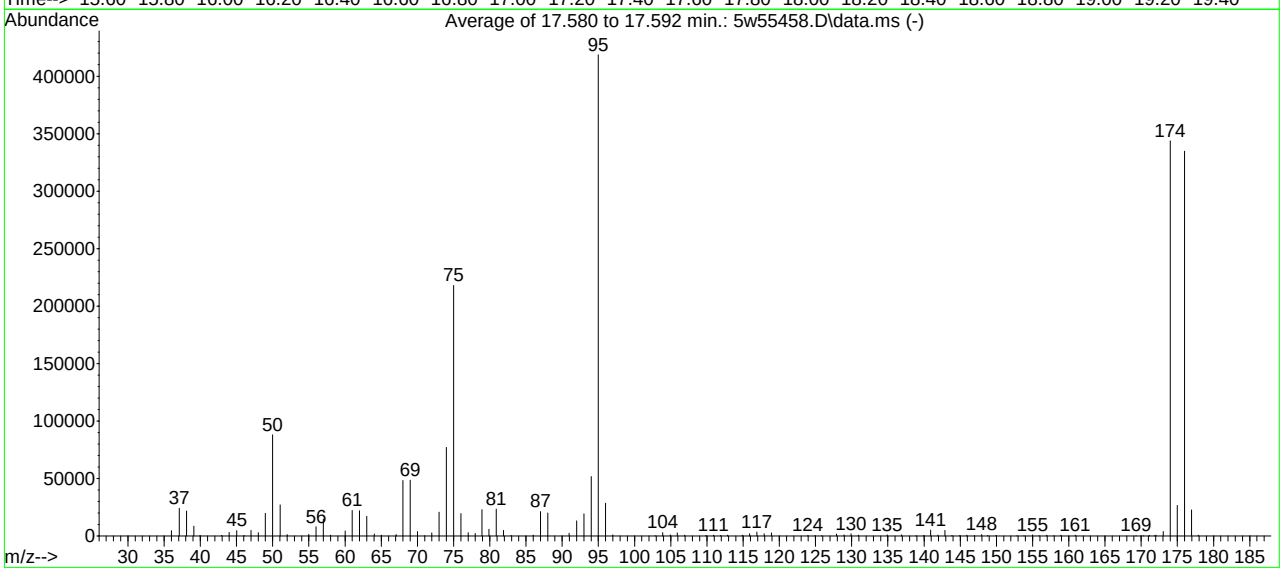
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
170.70	40						
170.90	81						
171.50	57						
172.00	91						
174.00	112611						
175.00	9113						
176.00	108400						
176.95	7382						
177.95	222						
267.00	46						

BFB

Data File : C:\msdchem\1\DATA\5w55458.D Vial: 3
Acq On : 9 Dec 2024 3:34 am Operator: benk
Sample : bfb Inst : GCMS5W
Misc : MS74484,V5W2125,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P

Method : Z:\Dayton\MSAIR_Methods\M5w2125.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um





AutoFind: Scans 2369, 2370, 2371; Background Corrected with Scan 2360

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	21.0	87907	PASS
75	95	30	66	52.1	218027	PASS
95	95	100	100	100.0	418581	PASS
96	95	5	9	6.8	28349	PASS
173	174	0.00	2	1.1	3695	PASS
174	95	50	120	82.1	343765	PASS
175	174	4	9	7.7	26424	PASS
176	174	93	101	97.4	334720	PASS
177	176	5	9	6.7	22512	PASS

5w55458.D M5w2125.M Mon Dec 09 16:30:13 2024

Average of 17.580 to 17.592 min.: 5w55458.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	4407	49.00	19752	63.00	17050	75.00	218027
37.10	24149	50.00	87907	64.05	1657	76.00	19280
38.10	21723	51.05	26971	65.00	509	77.00	2866
39.10	8398	52.00	1164	67.05	1085	78.00	2061
39.95	461	55.00	1419	68.00	48216	78.90	22733
42.95	285	56.00	7959	69.00	48400	79.90	5787
44.00	3174	57.00	14433	70.00	3854	80.90	23309
45.05	4430	58.00	691	71.00	83	81.90	4746
46.05	362	60.00	4331	72.00	2495	82.95	482
47.00	4807	61.00	22131	73.00	20691	86.00	549
48.00	2719	62.00	21965	74.00	77016	87.00	21008

Average of 17.580 to 17.592 min.: 5w55458.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
88.00	20003	105.90	2548	123.95	315	140.90	5011
90.95	2215	106.90	509	124.90	140	141.90	497
92.00	13106	109.85	391	125.85	219	142.90	4891
93.00	19059	110.90	592	127.90	1613	143.85	348
94.00	51672	111.90	484	128.95	795	144.95	461
95.00	418581	112.85	566	129.90	1786	145.90	568
96.00	28349	114.90	530	130.90	598	146.95	297
97.00	848	115.90	1936	134.90	880	147.95	1090
102.85	239	116.90	3369	136.90	963	148.80	258
103.90	2733	117.90	1949	138.90	79	149.95	436
104.95	754	118.90	2572	139.95	354	152.85	248

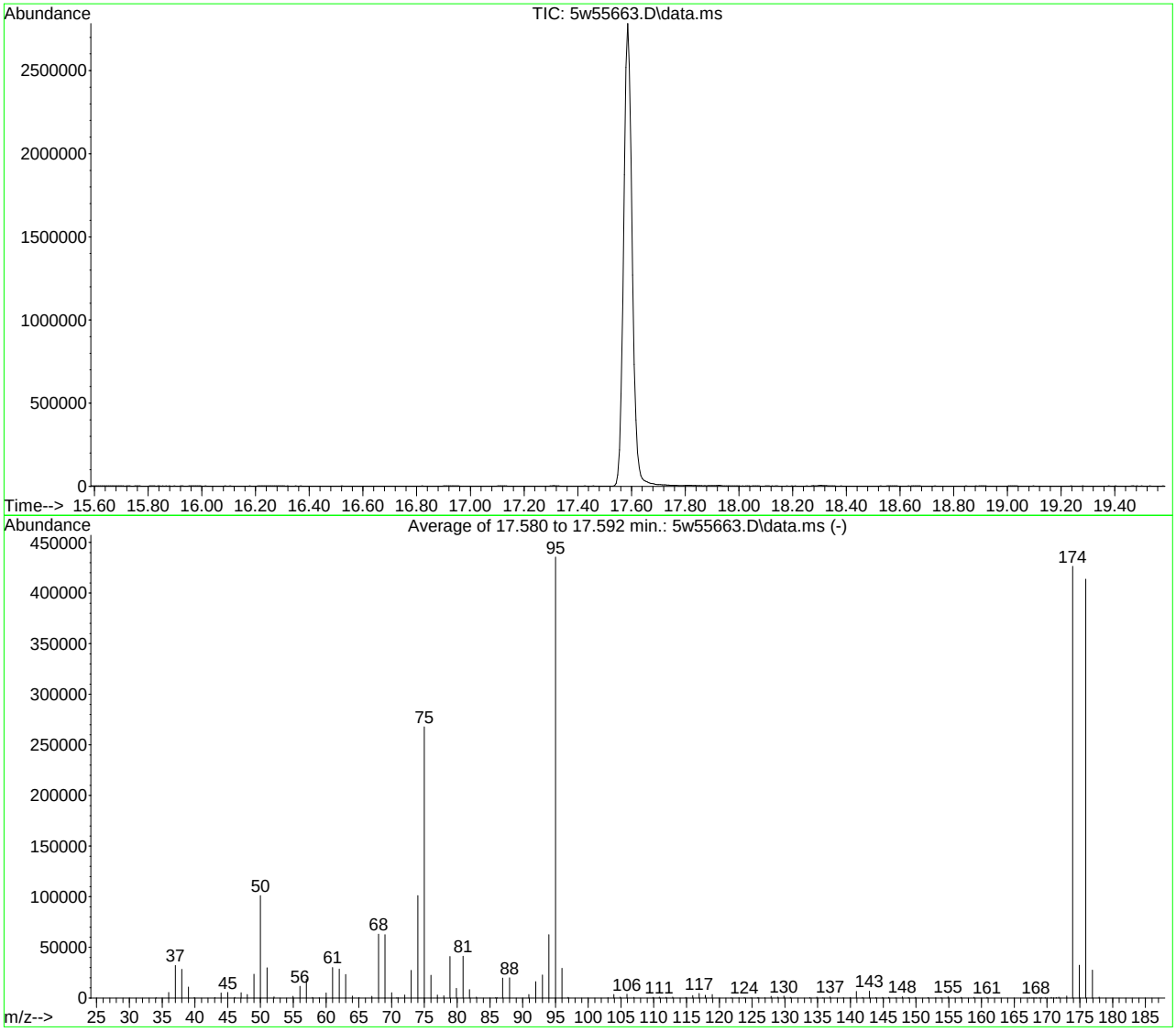
Average of 17.580 to 17.592 min.: 5w55458.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
153.80	101	171.90	416				
155.00	926	172.05	748				
155.90	138	173.05	3695				
156.95	736	174.00	343765				
157.95	174	175.00	26424				
158.90	535	176.00	334720				
160.90	542	176.95	22512				
169.30	75	177.90	590				
170.00	113						
170.35	183						
171.15	260						

BFB

Data File : C:\msdchem\1\DATA\5w55663.D Vial: 2
Acq On : 16 Dec 2024 12:41 pm Operator: thomash
Sample : bfb Inst : GCMS5W
Misc : MS87926,V5W2132,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P

Method : Z:\Dayton\MSAIR_Methods\M5w2125.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um



AutoFind: Scans 2369, 2370, 2371; Background Corrected with Scan 2359

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	23.2	101069	PASS
75	95	30	66	61.5	267968	PASS
95	95	100	100	100.0	435499	PASS
96	95	5	9	6.7	29261	PASS
173	174	0.00	2	0.4	1816	PASS
174	95	50	120	97.9	426539	PASS
175	174	4	9	7.6	32493	PASS
176	174	93	101	97.0	413696	PASS
177	176	5	9	6.6	27451	PASS

5w55663.D M5w2125.M Mon Dec 16 17:29:06 2024

Average of 17.580 to 17.592 min.: 5w55663.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
34.10	86	48.00	3371	61.00	30011	72.00	3024
36.00	5425	49.00	23563	62.00	28456	73.00	27336
37.00	32187	50.00	101069	63.00	23296	74.00	101051
38.00	28197	51.00	29917	64.00	1928	75.00	267968
39.00	10711	52.05	1206	65.05	371	76.00	22512
39.90	483	54.95	1691	67.00	1565	77.00	2805
43.05	482	56.00	11540	68.00	63109	77.95	2118
44.00	4939	57.00	18661	69.00	62448	78.90	40888
45.00	5452	57.95	768	70.00	5116	79.90	9546
46.05	565	58.95	162	70.80	85	80.90	41144
47.05	5252	60.00	5026	71.00	185	81.90	8204

Average of 17.580 to 17.592 min.: 5w55663.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
82.95	887	96.95	770	115.95	2433	127.90	1723
85.90	330	103.00	231	116.90	4451	128.95	807
86.10	233	103.90	3365	117.85	2611	129.85	1977
86.95	19744	104.90	996	118.90	3540	130.85	733
88.00	19955	105.90	3698	121.80	67	133.80	293
90.95	3312	106.95	576	123.00	81	134.85	1021
92.00	16172	109.85	557	123.80	399	135.80	165
93.00	22739	110.85	945	124.80	71	136.90	1178
94.00	62616	111.85	681	125.80	131	138.90	162
95.00	435499	112.90	876	126.00	70	139.95	414
96.00	29261	114.90	604	126.95	139	140.90	6482

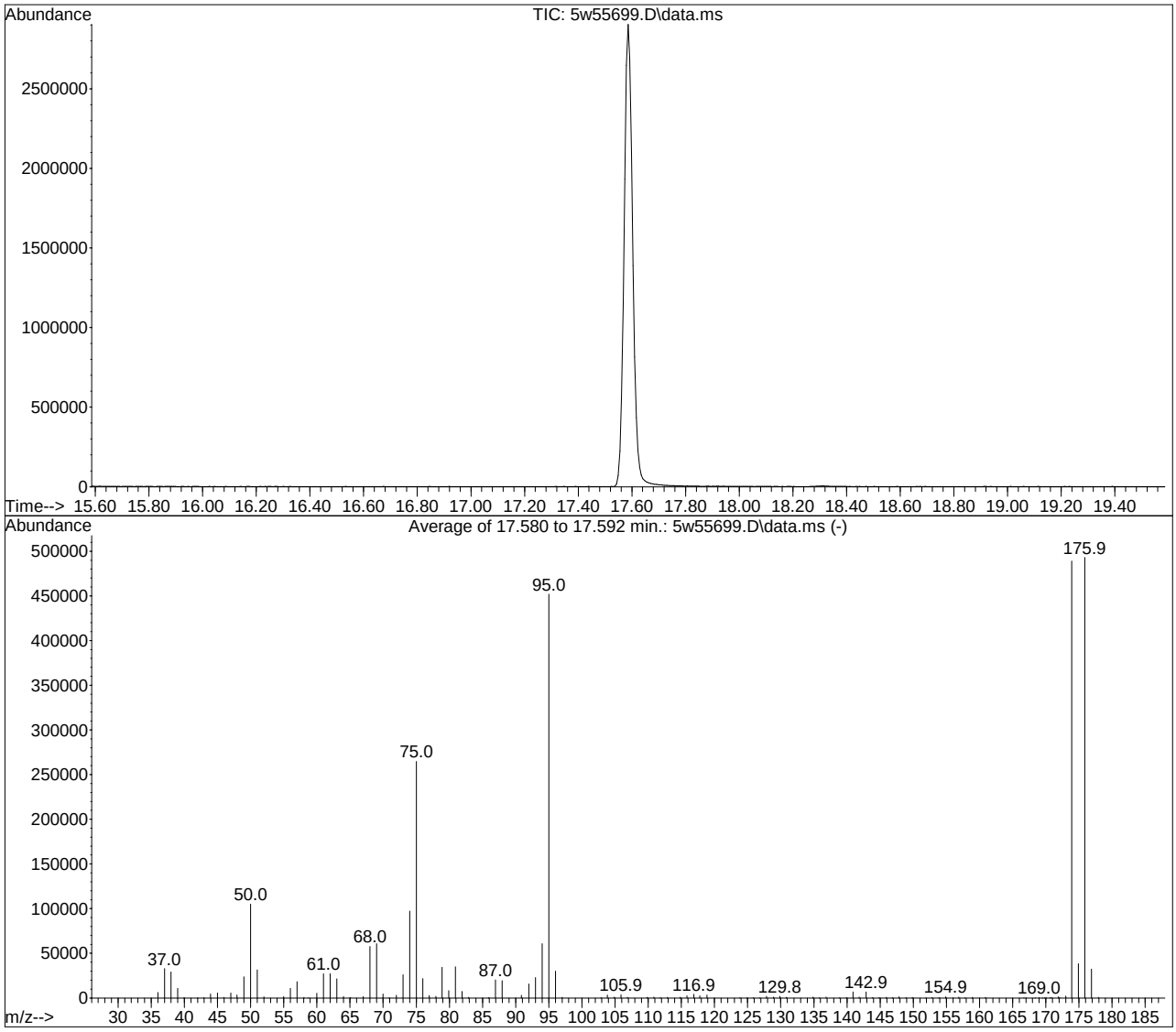
Average of 17.580 to 17.592 min.: 5w55663.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
141.85	720	153.85	184	169.70	481		
142.90	6717	154.90	1123	170.65	770		
143.90	421	156.90	727	171.00	256		
144.90	659	158.85	677	171.40	332		
145.85	771	160.85	595	171.80	819		
146.90	180	167.30	81	173.00	1816		
147.90	1131	167.70	117	173.90	426539		
148.85	406	168.00	89	174.90	32493		
149.90	626	168.30	209	175.90	413696		
151.85	296	168.90	142	176.90	27451		
153.00	232	169.20	87	177.95	825		

BFB

Data File : X:\Dayton VOA GCMS\g...024\V5W2133\5w55699.D Vial: 1
Acq On : 17 Dec 2024 7:52 pm Operator: thomash
Sample : bfb Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P

Method : C:\msdchem\1\methods\M5w2125.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um



AutoFind: Scans 2369, 2370, 2371; Background Corrected with Scan 2359

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	23.2	105096	PASS
75	95	30	66	58.6	264789	PASS
95	95	100	100	100.0	452053	PASS
96	95	5	9	6.6	29944	PASS
173	174	0.00	2	0.4	2112	PASS
174	95	50	120	108.2	488917	PASS
175	174	4	9	7.9	38499	PASS
176	174	93	101	100.8	492928	PASS
177	176	5	9	6.6	32312	PASS

5w55699.D M5w2125.M Wed Dec 18 19:04:06 2024

Average of 17.580 to 17.592 min.: 5w55699.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	6122	47.95	3333	61.00	27261	73.00	25893
37.00	32880	49.00	23784	62.00	27029	74.00	97128
38.00	29173	50.00	105096	63.00	21448	75.00	264789
39.00	10698	51.00	31357	64.00	1715	76.00	21672
39.95	458	52.00	1362	65.05	454	76.95	2719
42.00	70	55.00	1658	67.00	1681	77.95	1788
42.95	414	56.00	10854	68.00	57627	78.90	34237
43.95	4439	57.00	18149	69.00	60885	79.90	8336
45.00	5558	58.05	704	70.00	4515	80.90	35016
45.95	615	58.70	67	70.90	159	81.90	7233
47.00	5559	60.00	5242	72.00	3123	82.90	782

Average of 17.580 to 17.592 min.: 5w55699.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
85.90	470	103.85	3393	117.80	2408	135.80	72
86.95	20229	104.90	995	118.85	3415	136.85	1048
87.95	19427	105.90	3547	123.85	357	138.85	187
90.85	2909	106.85	594	124.90	68	139.90	567
92.00	15755	109.85	600	125.85	273	140.90	6636
93.00	22952	110.85	911	126.80	93	141.85	880
94.00	60709	111.80	536	127.85	1812	142.90	6852
95.00	452053	112.90	865	128.90	1015	143.85	425
96.00	29944	114.80	689	129.85	1859	144.85	535
97.00	879	115.85	2320	130.85	664	145.90	870
102.85	434	116.90	4223	134.85	994	146.85	313

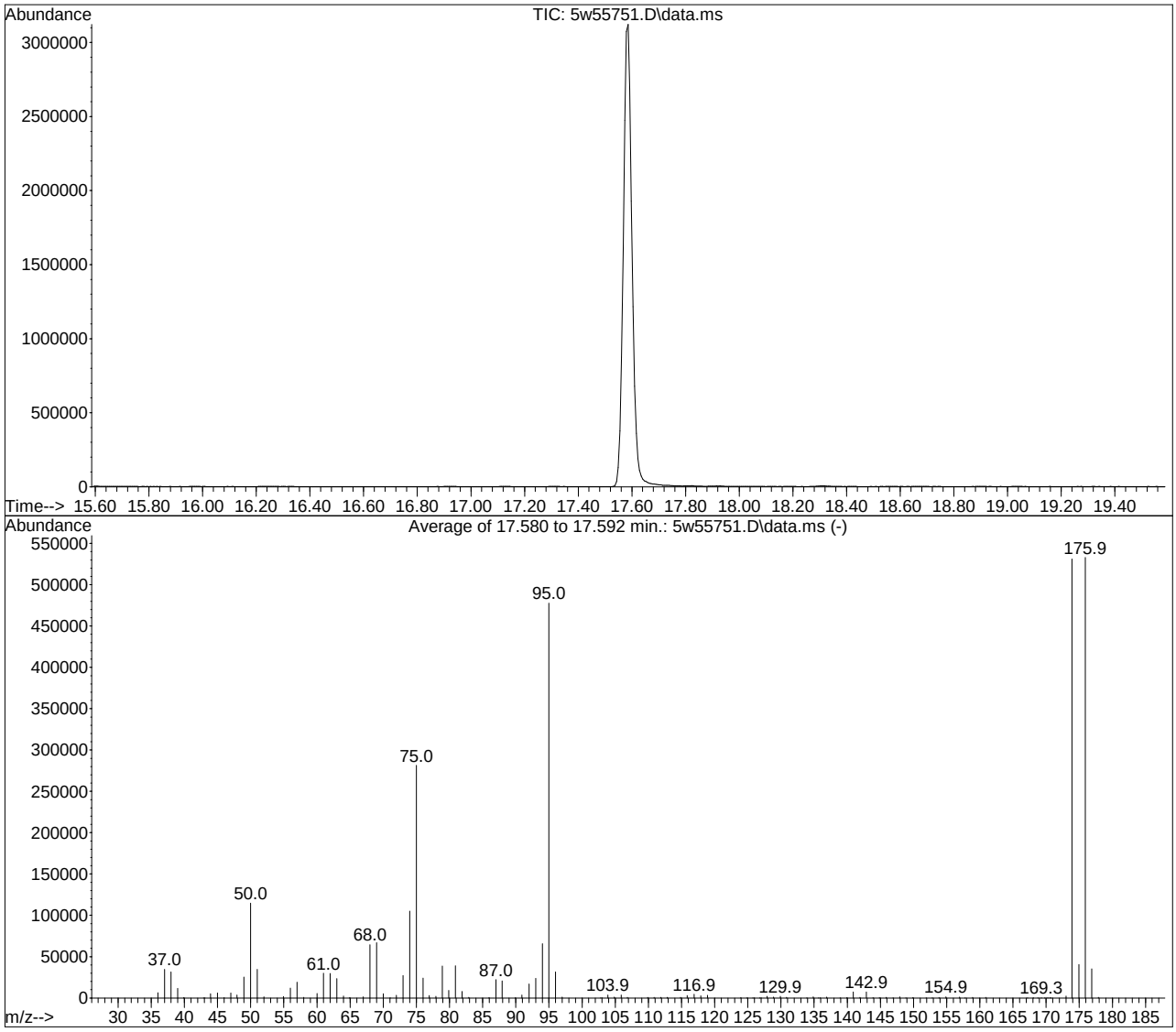
Average of 17.580 to 17.592 min.: 5w55699.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
147.85	1350	160.90	871	172.10	526		
148.90	380	166.70	73	173.00	2112		
149.85	686	167.00	77	173.90	488917		
151.90	234	168.40	94	174.90	38499		
152.85	367	169.00	316	175.90	492928		
153.90	377	169.50	118	176.90	32312		
154.90	1409	169.80	161	177.95	825		
156.00	71	170.10	175				
156.85	927	170.65	431				
157.80	91	170.90	330				
158.90	708	171.90	1206				

BFB

Data File : X:\Dayton VOA GCMS\g...024\V5w2135\5w55751.D Vial: 2
Acq On : 19 Dec 2024 3:40 pm Operator: thomash
Sample : bfb Inst : GCMS5W
Misc : MS88104,V5W2135,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P

Method : C:\msdchem\1\methods\M5w2125.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um



AutoFind: Scans 2369, 2370, 2371; Background Corrected with Scan 2358

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	24.0	114779	PASS
75	95	30	66	58.9	281387	PASS
95	95	100	100	100.0	477781	PASS
96	95	5	9	6.6	31525	PASS
173	174	0.00	2	0.4	2249	PASS
174	95	50	120	111.1	531051	PASS
175	174	4	9	7.6	40389	PASS
176	174	93	101	100.3	532885	PASS
177	176	5	9	6.6	35269	PASS

5w55751.D M5w2125.M Fri Dec 20 16:35:05 2024

Average of 17.580 to 17.592 min.: 5w55751.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	6304	47.95	3603	62.00	29587	74.00	105152
37.00	34781	49.00	25323	63.00	23488	75.00	281387
38.00	31531	50.00	114779	64.00	2278	76.00	23981
39.00	11825	51.00	34544	64.95	378	76.95	3094
39.90	457	52.00	1524	67.00	1557	77.95	2113
42.90	169	54.95	1777	68.00	64512	78.90	38840
43.10	244	56.00	11939	69.00	66821	79.90	9234
43.95	5278	57.00	19253	70.00	5258	80.90	38971
45.00	6218	58.00	876	71.05	151	81.90	7825
46.00	554	60.00	5580	72.00	3199	82.90	870
47.00	5948	61.00	29957	73.00	27179	85.95	496

Average of 17.580 to 17.592 min.: 5w55751.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
87.00	22288	103.00	113	116.90	4527	129.90	1996
87.95	20805	103.90	3724	117.90	2663	130.85	942
89.90	69	104.85	1009	118.90	3386	133.90	67
90.90	3508	105.90	3486	123.95	383	134.85	1511
92.00	17025	106.85	669	124.85	177	135.70	113
93.00	23928	109.90	693	125.75	234	135.90	96
94.00	65645	110.85	825	126.00	116	136.90	1196
95.00	477781	111.85	641	126.80	155	138.95	284
96.00	31525	112.85	870	127.00	78	139.95	482
97.00	983	114.85	718	127.90	1934	140.90	7251
102.80	243	115.85	3032	128.85	1053	141.90	918

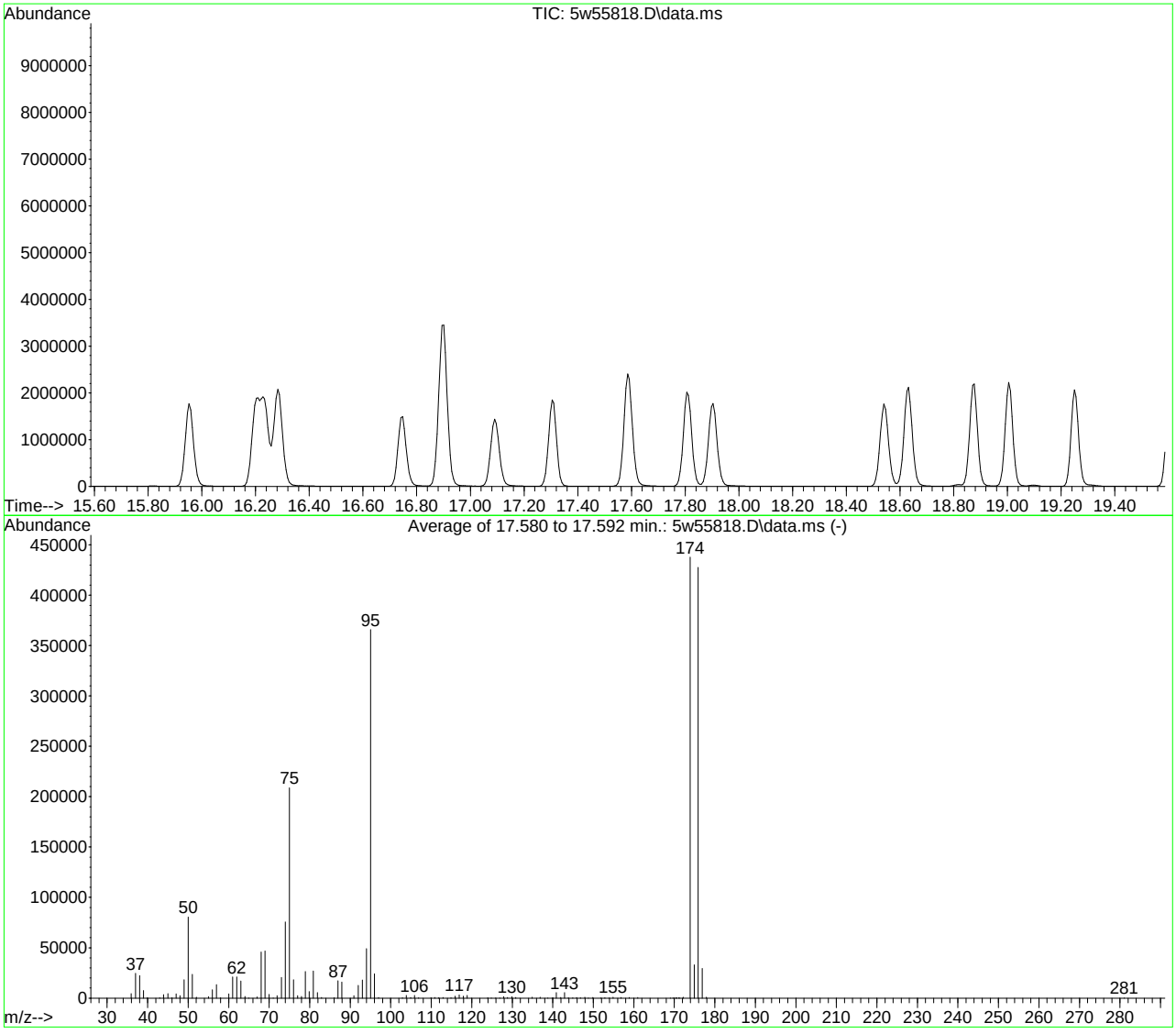
Average of 17.580 to 17.592 min.: 5w55751.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
142.90	7427	154.90	1312	170.60	498		
143.90	433	156.95	983	170.80	260		
144.85	562	157.80	69	173.00	2249		
145.85	709	158.90	846	173.90	531051		
146.90	347	160.90	813	174.95	40389		
147.90	1421	167.20	75	175.90	532885		
148.85	343	168.10	96	176.90	35269		
149.90	583	168.75	184	177.90	944		
151.90	243	169.30	241				
152.85	348	169.80	120				
153.85	386	170.25	407				

BFB

Data File : C:\msdchem\1\DATA\5w55818.D Vial: 1
Acq On : 23 Dec 2024 8:13 am Operator: thomash
Sample : bfb Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P

Method : Z:\Dayton\MSAIR_Methods\M5w2125.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um



AutoFind: Scans 2369, 2370, 2371; Background Corrected with Scan 2359

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	22.0	80464	PASS
75	95	30	66	57.0	208725	PASS
95	95	100	100	100.0	365867	PASS
96	95	5	9	6.6	24203	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	119.7	437760	PASS
175	174	4	9	7.5	33048	PASS
176	174	93	101	97.7	427712	PASS
177	176	5	9	6.9	29384	PASS

5w55818.D M5w2125.M Mon Dec 23 13:39:03 2024

Average of 17.580 to 17.592 min.: 5w55818.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.95	4503	49.00	18299	63.00	17013	75.00	208725
37.00	24683	50.00	80464	64.00	1589	76.00	18344
38.00	22280	51.00	23667	65.00	201	77.00	2501
39.00	7634	52.05	908	67.00	1153	77.95	1660
39.90	331	55.00	1431	68.00	45832	78.90	26499
43.00	451	56.00	8261	69.00	46893	79.90	6497
43.95	3418	57.00	13481	70.00	3816	80.90	26827
45.00	4352	58.00	494	71.00	83	81.90	5505
46.00	443	60.00	4301	71.95	2456	82.90	690
47.00	4319	61.00	21013	73.00	20453	86.00	467
48.00	2550	62.00	21091	74.00	75576	87.00	17270

Average of 17.580 to 17.592 min.: 5w55818.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
87.95	15974	105.90	2767	123.95	276	139.85	222
90.90	2419	106.90	525	124.80	68	140.10	125
92.00	12633	109.90	511	125.90	67	140.90	5477
93.00	17995	110.90	660	126.90	79	141.95	763
94.00	49232	111.85	484	127.85	1357	142.90	5567
95.00	365867	112.90	696	128.85	675	143.85	317
96.00	24203	114.90	483	129.90	1540	144.90	420
97.00	677	115.90	1917	130.85	536	145.85	584
102.90	310	116.90	3074	134.90	997	146.85	313
103.85	2628	117.90	1957	136.90	827	147.90	1036
104.90	735	118.90	2598	138.80	80	148.80	270

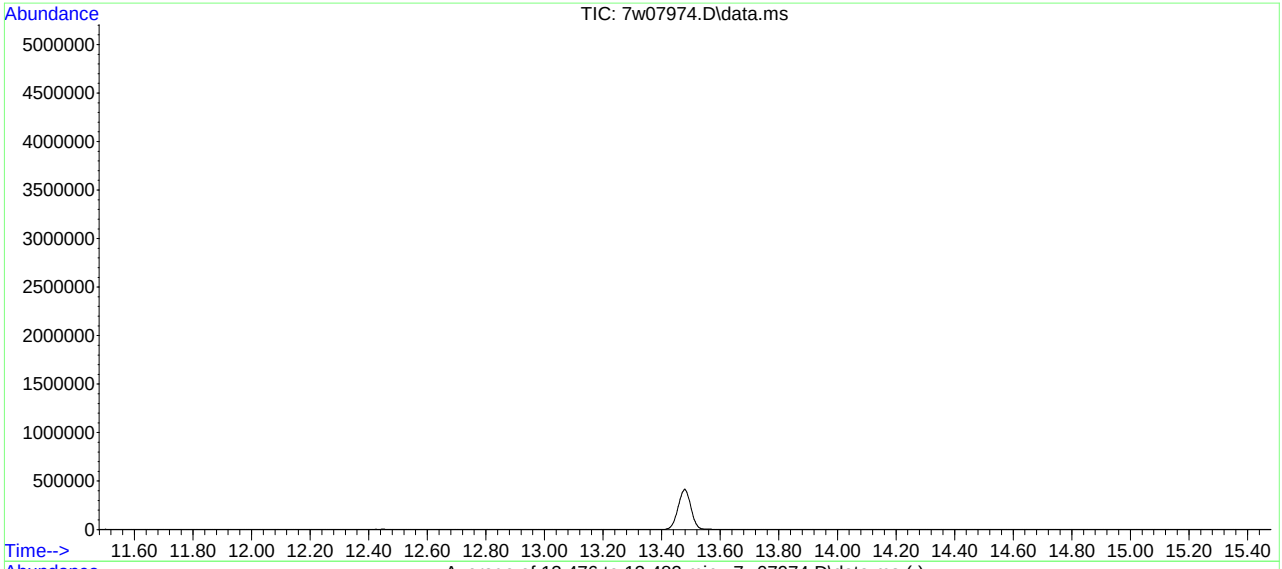
Average of 17.580 to 17.592 min.: 5w55818.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
149.85	533	170.40	317				
151.85	150	170.60	208				
152.85	293	171.10	283				
153.95	255	171.40	234				
154.90	1037	172.20	838				
156.85	732	173.90	437760				
158.90	596	174.95	33048				
160.95	599	175.90	427712				
169.00	240	176.90	29384				
169.65	206	177.90	828				
170.00	99	281.05	180				

BFB

Data File : C:\msdchem\1\data\7w\7w07974.D Vial: 1
Acq On : 18 Aug 2024 9:06 pm Operator: benk
Sample : bfb Inst : MS7W
Misc : MS74014,v7w305,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7Wbfb.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um



AutoFind: Scans 4164, 4165, 4166; Background Corrected with Scan 4136

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	24.4	20443	PASS
75	95	30	66	51.7	43320	PASS
95	95	100	100	100.0	83736	PASS
96	95	5	9	7.1	5915	PASS
173	174	0.00	2	1.0	627	PASS
174	95	50	120	73.5	61525	PASS
175	174	4	9	7.4	4526	PASS
176	174	93	101	95.5	58768	PASS
177	176	5	9	6.6	3856	PASS

7w07974.D M7Wbfb.M Mon Aug 19 09:00:03 2024

Average of 13.476 to 13.482 min.: 7w07974.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	954	50.00	20443	64.00	287	77.90	308
37.00	5028	51.00	6530	67.05	196	78.90	2955
38.00	4273	52.00	277	68.00	8935	79.90	767
39.05	1813	55.05	302	69.00	9076	80.90	3037
43.00	64	55.95	1451	70.00	861	81.85	668
44.00	709	57.00	2901	71.85	499	82.80	43
45.00	966	58.05	156	73.00	3880	83.10	21
46.15	74	60.00	997	74.00	15013	85.90	103
46.95	1367	61.00	4528	75.00	43320	86.95	3242
47.95	630	62.00	4774	76.00	3458	87.95	2880
49.00	4424	63.00	3558	77.00	539	90.85	322

Average of 13.476 to 13.482 min.: 7w07974.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
92.00	2543	110.70	18	127.80	278	142.90	820
93.00	3598	111.05	100	128.70	51	144.00	19
94.00	10531	111.85	87	128.85	135	145.10	22
95.00	83736	112.80	110	129.85	322	145.90	187
96.00	5915	114.85	70	130.85	96	146.70	18
96.95	196	115.85	319	134.75	134	147.90	227
103.90	411	116.85	545	136.90	163	148.70	25
104.80	147	117.85	347	139.70	38	149.85	79
105.85	388	118.85	467	139.90	58	151.90	22
106.90	91	123.80	42	140.90	764	154.80	150
109.80	78	126.90	18	141.85	63	156.90	122

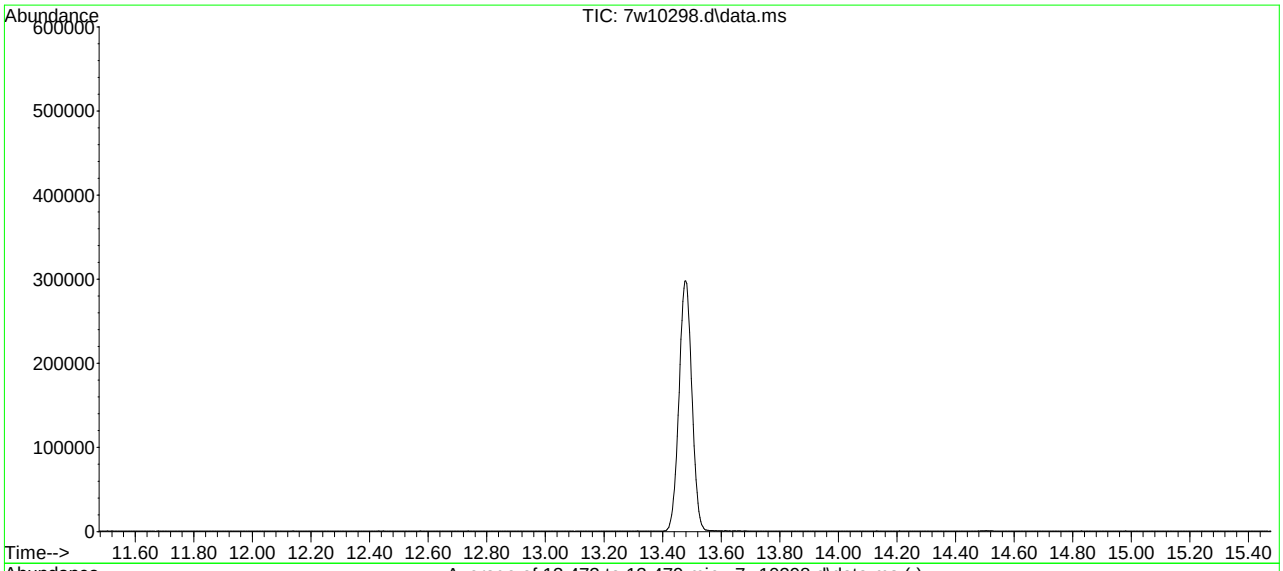
Average of 13.476 to 13.482 min.: 7w07974.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
158.70	34						
158.85	62						
160.80	94						
171.90	37						
173.05	627						
173.90	61525						
174.90	4526						
175.90	58768						
176.90	3856						
177.85	99						

BFB

Data File : X:\Dayton VOA GCMS\l...2024\v7w379\7w10298.d Vial: 1
Acq On : 6 Nov 2024 8:30 am Operator: thomash
Sample : bfb Inst : MS7W
Misc : MS86666,v7w379,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7W305.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um



AutoFind: Scans 4163, 4164, 4165; Background Corrected with Scan 4136

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	21.4	13433	PASS
75	95	30	66	49.8	31192	PASS
95	95	100	100	100.0	62667	PASS
96	95	5	9	6.5	4090	PASS
173	174	0.00	2	0.6	262	PASS
174	95	50	120	74.4	46624	PASS
175	174	4	9	7.8	3614	PASS
176	174	93	101	98.8	46085	PASS
177	176	5	9	6.6	3024	PASS

7w10298.d M7W305.M Thu Nov 07 04:34:32 2024

Average of 13.473 to 13.479 min.: 7w10298.d\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.95	563	51.05	4154	66.95	139	78.90	1523
37.00	2915	52.00	184	68.00	6332	79.90	438
38.00	2686	55.00	149	69.00	6167	80.90	1522
39.05	1046	56.00	976	70.05	419	81.90	317
39.90	12	57.00	1802	71.95	244	85.90	36
44.00	230	58.05	69	73.00	2655	87.00	2868
45.00	630	59.95	613	74.00	10066	87.95	2611
47.00	1101	61.00	3280	75.00	31192	90.95	233
48.00	388	62.00	3270	76.00	2748	92.00	1793
49.00	2710	63.00	2095	76.95	344	93.00	2338
50.05	13433	63.95	201	77.90	324	94.00	7032

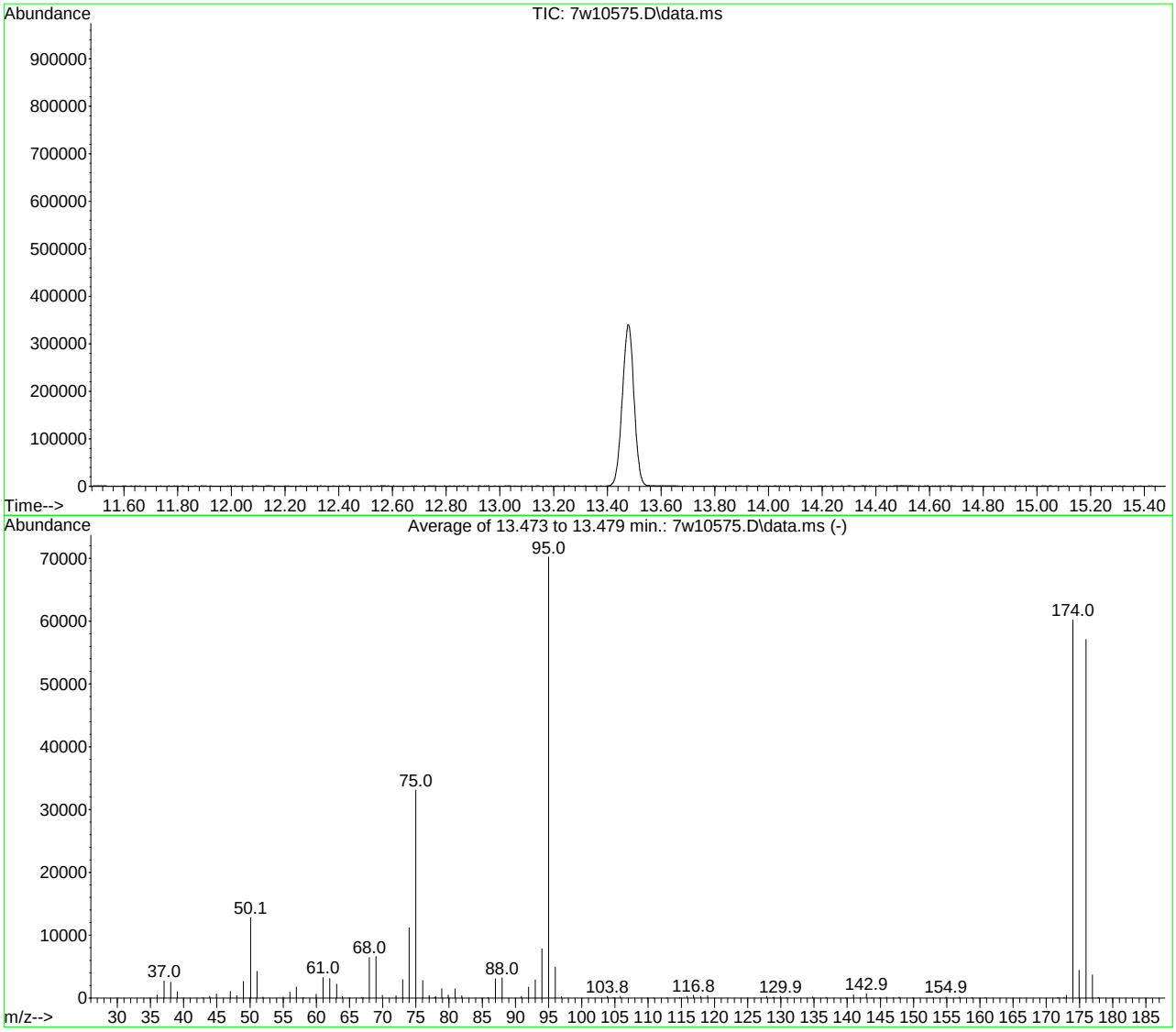
Average of 13.473 to 13.479 min.: 7w10298.d\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
95.00	62667	116.90	348	141.80	65	172.95	262
96.00	4090	117.85	191	142.90	519	173.95	46624
96.95	86	118.85	328	145.80	48	174.95	3614
103.85	240	123.80	17	147.80	147	176.00	46085
104.70	19	127.85	211	149.85	41	176.95	3024
104.95	47	128.85	88	154.90	105	177.85	85
105.90	277	129.85	194	156.90	50		
106.80	49	131.00	53	158.90	53		
110.80	37	134.80	100	160.75	78		
114.90	50	136.85	107	171.80	17		
115.95	246	140.95	494	172.20	25		

BFB

Data File : X:\Dayton VOA GCMS\l...2024\v7w387\7w10575.D Vial: 1
Acq On : 18 Nov 2024 8:59 am Operator: bkim
Sample : bfb Inst : MS7W
Misc : MS87131,v7w387,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7W305.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um



AutoFind: Scans 4163, 4164, 4165; Background Corrected with Scan 4136

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	18.3	12830	PASS
75	95	30	66	47.2	33101	PASS
95	95	100	100	100.0	70203	PASS
96	95	5	9	7.0	4918	PASS
173	174	0.00	2	0.7	423	PASS
174	95	50	120	85.7	60187	PASS
175	174	4	9	7.3	4410	PASS
176	174	93	101	94.8	57075	PASS
177	176	5	9	6.4	3652	PASS

7w10575.D M7W305.M Tue Nov 19 04:46:34 2024

Average of 13.473 to 13.479 min.: 7w10575.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	475	51.05	4235	63.90	177	76.05	2751
37.05	2709	51.95	158	65.00	37	77.00	389
38.05	2533	55.00	140	66.85	109	77.80	90
39.05	947	56.00	916	67.10	37	77.95	221
42.90	23	57.00	1757	68.00	6431	78.90	1509
43.95	261	57.90	27	69.00	6603	79.85	467
44.95	636	58.10	20	69.95	418	80.90	1455
47.05	1056	59.95	592	72.00	348	81.90	341
48.00	407	61.00	3253	73.00	2933	85.85	76
49.00	2644	62.00	3100	74.00	11184	87.00	3069
50.10	12830	63.05	2183	75.00	33101	88.00	3197

Average of 13.473 to 13.479 min.: 7w10575.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
90.90	255	109.90	18	129.95	257	146.90	19
92.00	1740	110.80	17	130.85	68	147.85	138
93.00	2896	112.80	29	134.80	126	149.90	44
94.00	7840	114.75	68	136.80	115	152.90	28
95.00	70203	115.85	259	139.80	18	154.90	165
96.00	4918	116.85	426	140.95	528	156.95	137
96.95	169	117.90	226	141.95	63	158.80	72
103.85	284	118.95	352	142.90	664	160.80	50
104.70	19	127.85	254	143.70	17	171.70	27
104.90	64	128.80	58	144.90	40	171.85	79
105.80	241	128.95	102	145.90	126	172.70	98

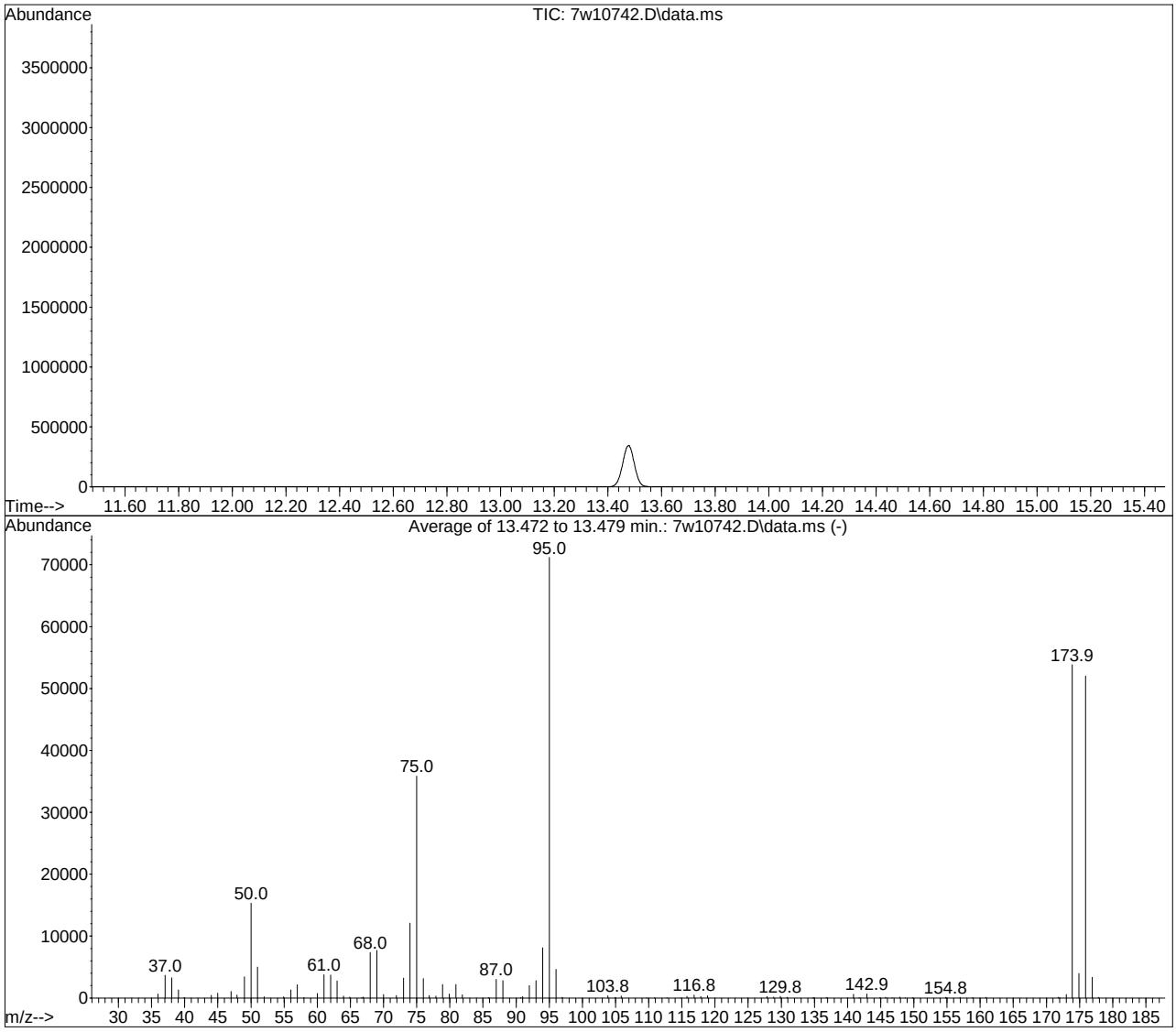
Average of 13.473 to 13.479 min.: 7w10575.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
173.05	423						
174.00	60187						
174.95	4410						
176.00	57075						
176.95	3652						
177.85	105						

BFB

Data File : X:\Dayton VOA GCMS\g...2024\V7W392\7w10742.D Vial: 1
Acq On : 25 Nov 2024 8:36 am Operator: williamc
Sample : bfb Inst : MS7W
Misc : MS87372,v7w392,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7W305.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um



AutoFind: Scans 4163, 4164, 4165; Background Corrected with Scan 4136

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	21.5	15330	PASS
75	95	30	66	50.4	35867	PASS
95	95	100	100	100.0	71168	PASS
96	95	5	9	6.5	4636	PASS
173	174	0.00	2	1.0	555	PASS
174	95	50	120	75.6	53835	PASS
175	174	4	9	7.4	3970	PASS
176	174	93	101	96.7	52037	PASS
177	176	5	9	6.4	3340	PASS

7w10742.D M7W305.M Mon Nov 25 21:29:15 2024

Average of 13.472 to 13.479 min.: 7w10742.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.95	641	51.00	4982	64.90	144	76.90	403
37.05	3658	52.00	195	66.70	51	77.90	308
38.05	3278	54.95	198	66.95	138	78.90	2163
39.05	1292	56.00	1308	68.00	7370	79.90	654
39.90	49	57.00	2150	69.00	7690	80.90	2160
44.00	441	57.95	73	70.00	553	81.90	543
45.00	753	60.00	718	71.95	405	85.85	78
47.00	1071	61.00	3758	73.00	3211	87.00	3023
47.90	460	62.00	3712	74.00	12109	88.00	2797
49.00	3430	63.00	2770	75.00	35867	90.70	58
50.00	15330	63.95	296	76.00	3130	91.00	223

Average of 13.472 to 13.479 min.: 7w10742.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
92.00	2017	112.75	43	134.90	74	148.70	17
93.00	2791	114.80	24	136.80	86	149.80	54
94.00	8088	115.75	264	137.00	34	154.80	124
95.00	71168	116.85	460	139.95	38	155.00	65
96.00	4636	117.85	217	140.90	597	156.95	107
96.95	121	118.85	364	141.75	57	158.85	86
103.85	357	127.85	236	142.90	649	160.85	120
104.95	92	128.85	136	144.90	53	171.80	108
105.85	320	129.85	257	145.75	98	172.00	45
109.70	17	130.85	98	146.70	18	173.00	555
110.85	39	134.70	35	147.85	128	173.90	53835

Average of 13.472 to 13.479 min.: 7w10742.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
174.90	3970						
175.90	52037						
176.90	3340						
177.85	124						

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 09/11/24 15:26

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88655.D
Acq On : 9 Sep 2024 3:09 am
Operator : benk
Sample : ic3499-0.04
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 10 20:46:17 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Sep 10 20:26:51 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.486	128	105684	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.208	114	519147	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	13.484	82	286700	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.486	128	105684	10.00	PPBV	#	0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	15.145	95	347533	10.21	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 102.10%				
Target Compounds							Qvalue
2) FREON 115	3.866	119	784	0.05	PPBV		88
3) FREON 152A	3.939	65	333m	0.04	PPBV		
5) CHLOROTRIFLUOROETHENE	4.000	116	689	0.04	PPBV	#	50
6) DICHLORODIFLUOROMETHANE	4.043	85	2148	0.04	PPBV		86
7) PROPYLENE	4.000	41	720	0.04	PPBV		90
8) 1-CHLORO-1,1-DIFLUOROE...	4.140	65	1887	0.04	PPBV	#	69
9) FREON 114	4.225	85	1325	0.04	PPBV		97
10) CHLOROMETHANE	4.158	52	147	0.03	PPBV	#	14
11) VINYL CHLORIDE	4.310	62	530	0.04	PPBV	#	63
12) 1,3-BUTADIENE	4.389	54	533	0.05	PPBV	#	1
13) n-BUTANE	4.420	43	1329	0.06	PPBV	#	82
14) BROMOMETHANE	4.584	94	664	0.05	PPBV	#	62
15) CHLOROETHANE	4.694	64	187	0.03	PPBV	#	55
16) DICHLOROFLUOROMETHANE	4.742	67	1501	0.05	PPBV	#	89
17) ACETONITRILE	4.986	41	1004m	0.08	PPBV		
18) ACROLEIN	5.065	56	287	0.05	PPBV	#	1
19) FREON 123	5.022	83	1323	0.04	PPBV	#	22
20) FREON 123A	5.046	117	675	0.04	PPBV	#	71
21) TRICHLOROFLUOROMETHANE	5.205	101	2036	0.04	PPBV		91
22) ISOPROPYL ALCOHOL	5.418	45	5563	0.14	PPBV		91
23) ACETONE	5.223	58	789	0.10	PPBV	#	71
24) PENTANE	5.448	42	1282	0.08	PPBV	#	71
25) IODOMETHANE	5.643	142	1293	0.04	PPBV		91
26) 1,1-DICHLOROETHYLENE	5.673	96	524	0.05	PPBV		90
27) CARBON DISULFIDE	6.014	76	1498	0.04	PPBV	#	1
28) ETHANOL	4.858	45	2220	0.15	PPBV		81
29) BROMOETHENE	4.937	106	421	0.04	PPBV		90
30) ACRYLONITRILE	5.472	52	668	0.06	PPBV	#	74
31) METHYLENE CHLORIDE	5.758	84	1446	0.12	PPBV		92
32) 3-CHLOROPROPENE	5.856	76	165	0.03	PPBV	#	1
33) FREON 113	5.947	151	971	0.04	PPBV		96
34) TRANS-1,2-DICHLOROETHY...	6.488	96	532	0.04	PPBV	#	85
35) TERTIARY BUTYL ALCOHOL	5.929	59	1399	0.04	PPBV	#	13
36) METHYL TERTIARY BUTYL ...	6.835	73	2235	0.05	PPBV		88
37) TETRAHYDROFURAN	8.094	72	215	0.03	PPBV	#	55
38) HEXANE	7.504	57	2483	0.08	PPBV	#	76
39) VINYL ACETATE	6.817	86	39	0.01	PPBV	#	1
40) 1,1-DICHLOROETHANE	6.646	63	1309	0.04	PPBV		90
41) METHYL ETHYL KETONE	7.127	72	187	0.03	PPBV	#	12
42) cis-1,2-DICHLOROETHYLENE	7.346	96	501	0.03	PPBV		97
43) DIISOPROPYL ETHER	7.620	59	413	0.05	PPBV	#	54
44) ETHYL ACETATE	7.644	61	59	0.01	PPBV	#	1
45) METHYL ACRYLATE	7.608	55	1684m	0.05	PPBV		
46) CHLOROFORM	7.595	83	1598	0.04	PPBV	#	76
47) 2,4-DIMETHYLPENTANE	8.283	57	1230	0.04	PPBV		92
48) 1,1,1-TRICHLOROETHANE	8.471	97	1740	0.04	PPBV		98
49) CARBON TETRACHLORIDE	9.031	117	1741	0.04	PPBV		94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88655.D
Acq On : 9 Sep 2024 3:09 am
Operator : benk
Sample : ic3499-0.04
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 10 20:46:17 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Sep 10 20:26:51 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	8.246	62	1500	0.05	PPBV	#	93
52)	BENZENE	8.885	78	1857	0.05	PPBV	#	70
53)	CYCLOHEXANE	9.141	84	619	0.04	PPBV	#	80
54)	2,3-DIMETHYLPENTANE	9.360	71	320	0.04	PPBV	#	56
55)	TRICHLOROETHYLENE	9.877	95	763	0.04	PPBV	#	82
56)	1,2-DICHLOROPROPANE	9.664	63	876	0.05	PPBV	#	64
57)	DIBROMOMETHANE	9.621	174	1032	0.05	PPBV	#	88
58)	ETHYL ACRYLATE	9.725	55	1763	0.04	PPBV	#	89
59)	BROMODICHLOROMETHANE	9.834	83	1738	0.04	PPBV		94
60)	2,2,4-TRIMETHYLPENTANE	9.895	57	4015	0.05	PPBV		94
61)	1,4-DIOXANE	10.065	88	314	0.03	PPBV	#	80
62)	HEPTANE	10.144	43	1610	0.04	PPBV		96
63)	METHYL METHACRYLATE	10.114	69	605	0.04	PPBV	#	1
64)	METHYL ISOBUTYL KETONE	10.862	58	656	0.04	PPBV	#	90
65)	cis-1,3-DICHLOROPROPENE	10.704	75	1163	0.04	PPBV		94
66)	TOLUENE	11.678	92	1464	0.05	PPBV		93
67)	1,3-DICHLOROPROPANE	11.708	76	1222	0.04	PPBV	#	78
68)	trans-1,3-DICHLOROPROPENE	11.233	75	1076	0.04	PPBV		88
69)	1,1,2-TRICHLOROETHANE	11.398	83	735	0.05	PPBV		87
71)	2-HEXANONE	12.049	58	666	0.03	PPBV	#	46
72)	ETHYL METHACRYLATE	12.000	69	881	0.04	PPBV	#	67
73)	TETRACHLOROETHYLENE	12.827	164	1092	0.05	PPBV		85
74)	DIBROMOCHLOROMETHANE	12.103	129	1408	0.04	PPBV		94
75)	1,2-DIBROMOETHANE	12.359	107	1253	0.05	PPBV	#	95
76)	OCTANE	12.675	43	2311	0.05	PPBV		94
77)	1,1,1,2-TETRACHLOROETHANE	13.521	131	983	0.04	PPBV		93
78)	CHLOROBENZENE	13.527	112	1787	0.05	PPBV	#	42
79)	ETHYLBENZENE	13.941	91	3189	0.05	PPBV		92
80)	m,p-XYLENE	14.117	106	2196	0.09	PPBV	#	75
81)	o-XYLENE	14.646	106	935	0.04	PPBV	#	84
82)	STYRENE	14.531	104	1590	0.04	PPBV		90
83)	NONANE	14.884	43	2280	0.04	PPBV	#	90
84)	BROMOFORM	14.208	173	1503	0.04	PPBV	#	87
86)	1,1,2,2-TETRACHLOROETHANE	14.646	83	1891	0.05	PPBV		92
87)	1,2,3-TRICHLOROPROPANE	14.780	75	1513	0.05	PPBV		90
88)	ISOPROPYLBENZENE	15.309	105	3219	0.04	PPBV		97
89)	BROMOBENZENE	15.401	77	1828	0.04	PPBV		99
90)	2-CHLOROTOLUENE	15.857	126	591	0.03	PPBV	#	56
91)	n-PROPYLBENZENE	15.906	120	754	0.04	PPBV	#	61
92)	4-ETHYLTOLUENE	16.173	105	2428	0.03	PPBV		65
93)	1,3,5-TRIMETHYLBENZENE	16.173	105	2428	0.04	PPBV		96
94)	ALPHA-METHYLSTYRENE	16.368	118	1183	0.04	PPBV		94
95)	tert-BUTYLBENZENE	16.654	134	514	0.04	PPBV	#	89
96)	1,2,4-TRIMETHYLBENZENE	16.666	105	2663	0.04	PPBV		94
97)	m-DICHLOROBENZENE	16.842	146	2047	0.04	PPBV		97
98)	BENZYL CHLORIDE	16.830	91	2647	0.04	PPBV		91
99)	p-DICHLOROBENZENE	16.928	146	2240	0.05	PPBV		92
100)	sec-BUTYLBENZENE	16.982	134	664	0.04	PPBV		98
101)	1,2,3-Trimethylbenzene	17.177	105	2630	0.04	PPBV		95
102)	p-ISOPROPYLTOLUENE	17.177	134	708	0.04	PPBV		98
103)	o-DICHLOROBENZENE	17.335	146	2143	0.05	PPBV		96
104)	n-BUTYLBENZENE	17.682	134	675	0.04	PPBV	#	90
105)	HEXACHLOROETHANE	18.126	117	1199	0.04	PPBV		95
106)	HEXACHLOROBUTADIENE	19.902	225	2443	0.04	PPBV		93
107)	1,2,4-TRICHLOROBENZENE	19.361	180	2145	0.04	PPBV		94
108)	NAPHTHALENE	19.495	128	3440	0.04	PPBV		97
110)	TVHC as equiv Pentane	5.460	TIC	5760m	0.04	PPBV		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88655.D
Acq On : 9 Sep 2024 3:09 am
Operator : benk
Sample : ic3499-0.04
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 10 20:46:17 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Sep 10 20:26:51 2024
Response via : Initial Calibration

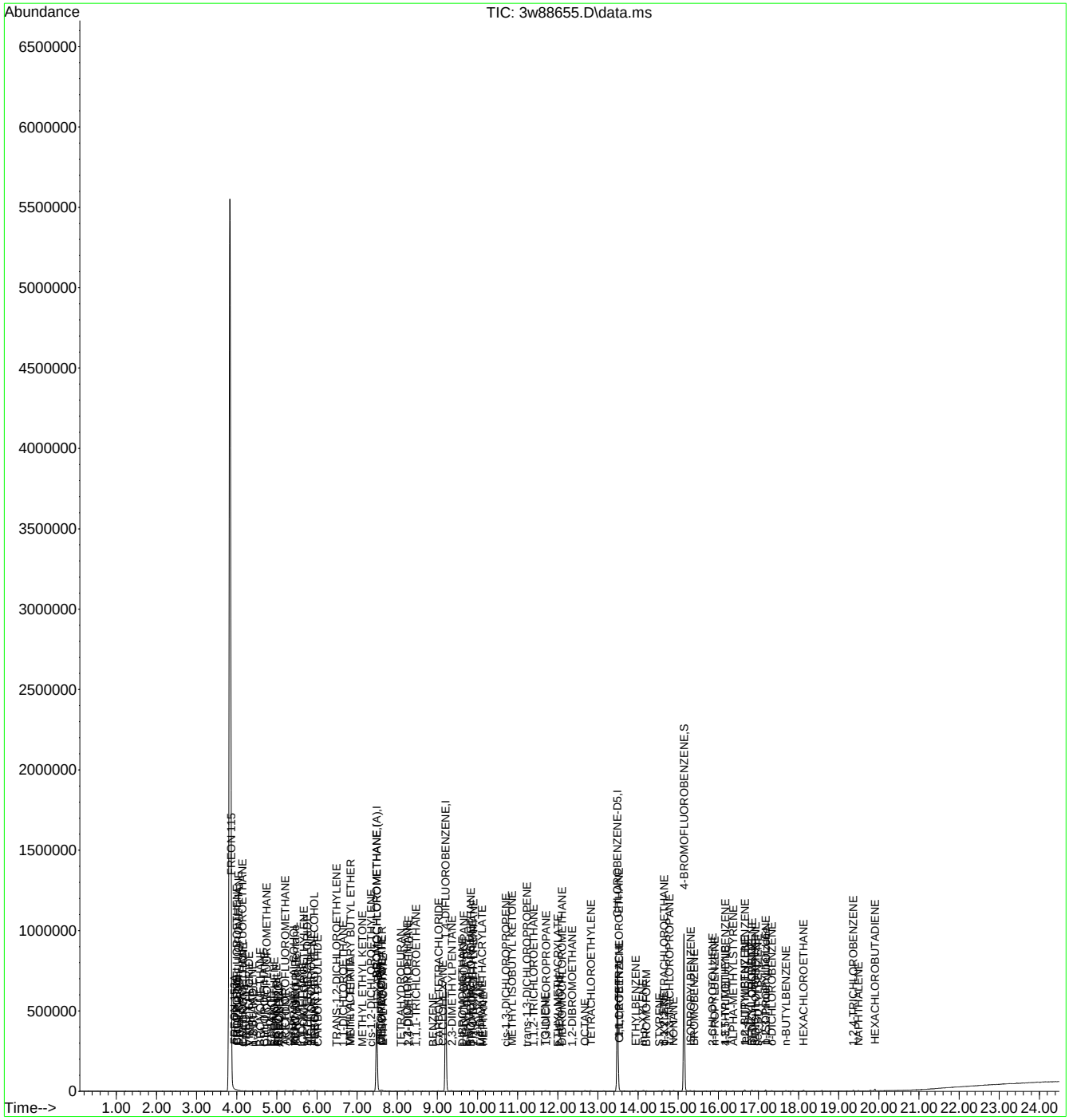
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88655.D
Acq On : 9 Sep 2024 3:09 am
Operator : benk
Sample : ic3499-0.04
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 10 20:46:17 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Sep 10 20:26:51 2024
Response via : Initial Calibration



Manual Integration Approval Summary

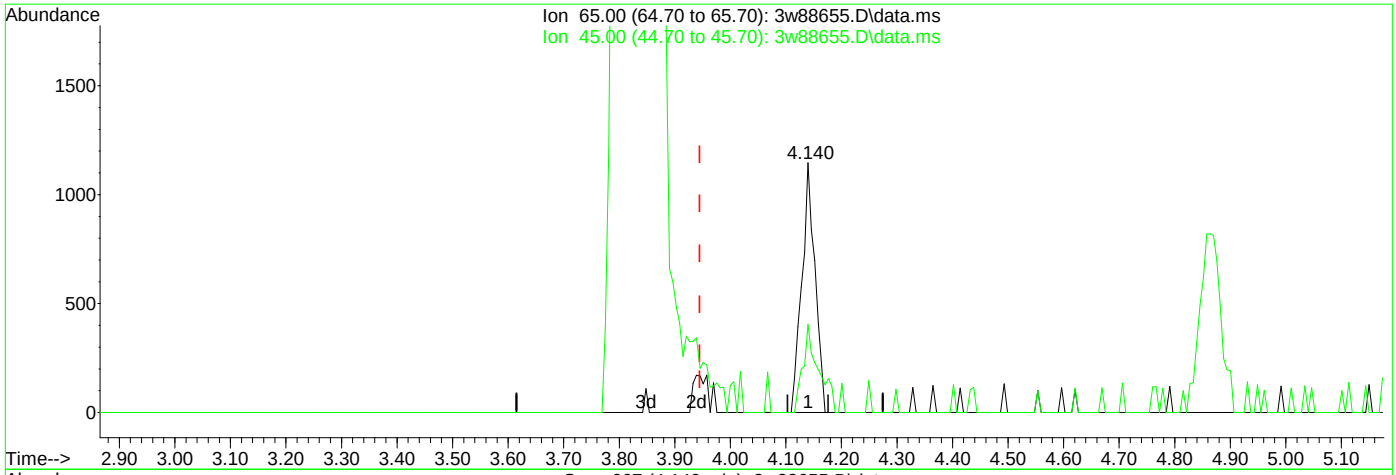
Sample Number: V3W3499-IC3499 **Method:** TO-15
Lab FileID: 3W88655.D **Analyst approved:** 09/10/24 21:26 Benjamin Kim
Injection Time: 09/09/24 03:09 **Supervisor approved:** 09/11/24 15:26 Kanya Veerawat

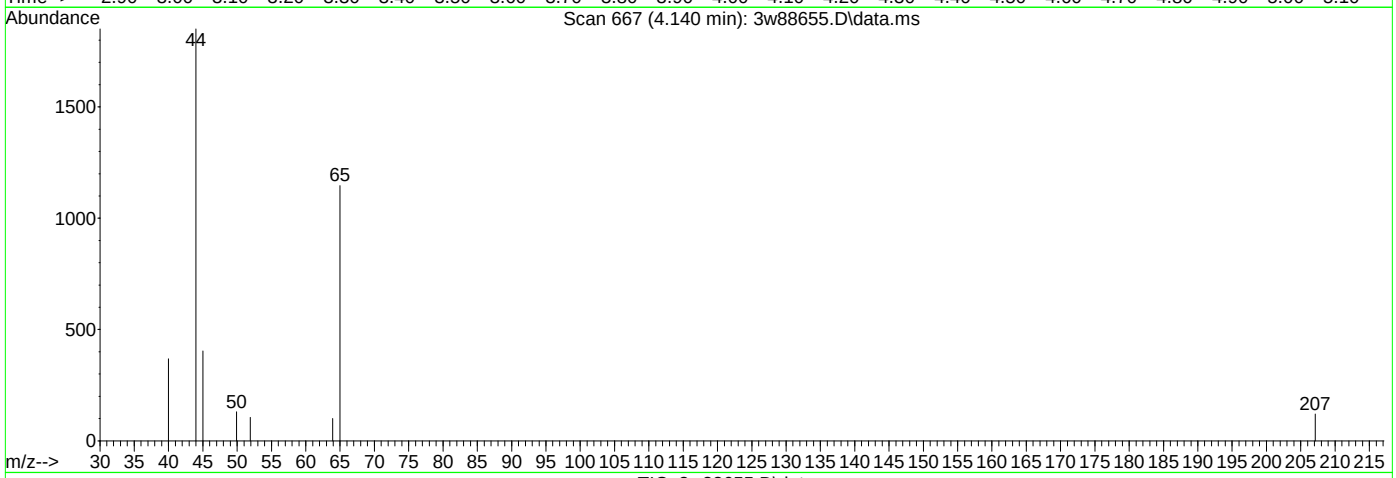
Parameter	CAS	Sig#	R.T. (min.)	Reason
Freon 152A	75-37-6		3.94	Missed peak
Acetonitrile	75-05-8		4.99	Missed peak
TVHC As Equiv Pentane			5.46	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88655.D
Acq On : 9 Sep 2024 3:09 am
Operator : benk
Sample : ic3499-0.04
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 10 20:27:15 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Sep 10 20:26:51 2024
Response via : Initial Calibration





TIC: 3w88655.D\data.ms

(3) FREON 152A

4.140min (+0.195) 0.20PPBV

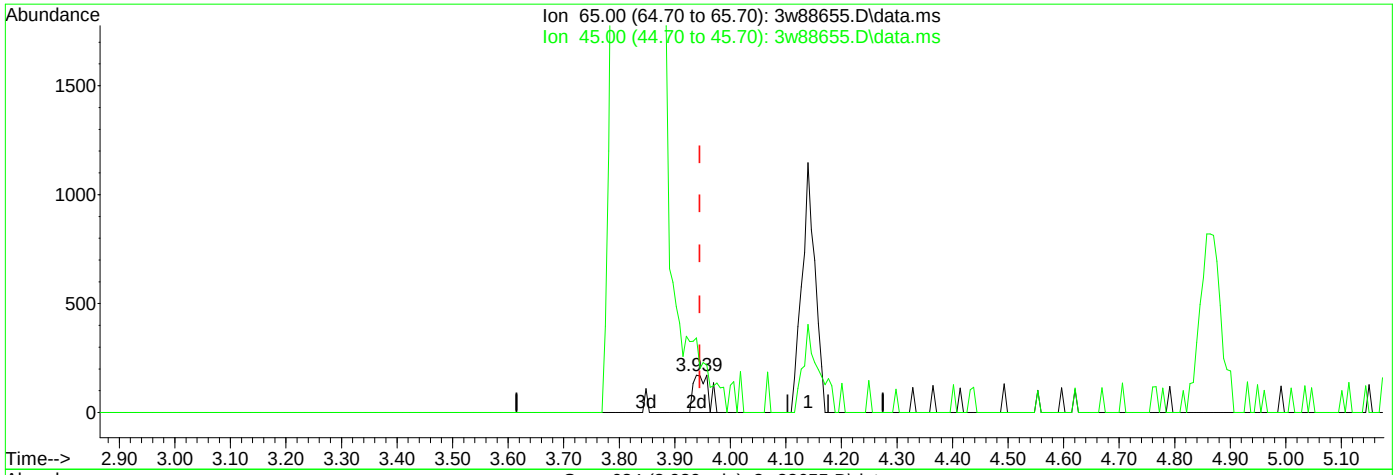
response 1887

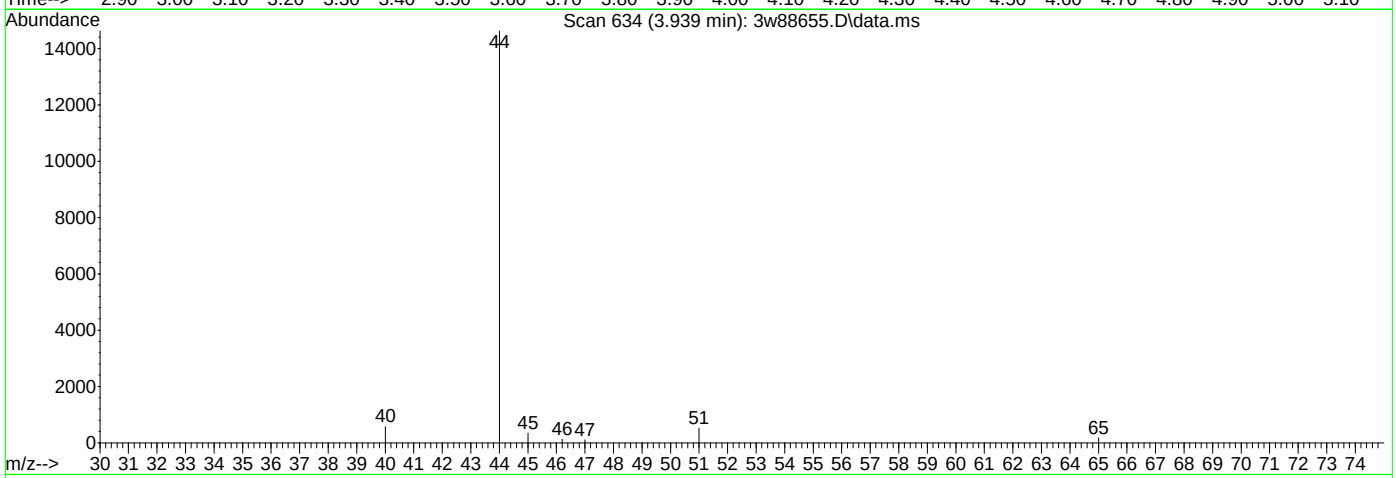
Ion	Exp%	Act%
65.00	100	100
45.00	48.20	42.50
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88655.D
Acq On : 9 Sep 2024 3:09 am
Operator : benk
Sample : ic3499-0.04
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 10 20:27:15 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Sep 10 20:26:51 2024
Response via : Initial Calibration





TIC: 3w88655.D\data.ms

(3) FREON 152A

3.939min (-0.006) 0.04PPBV m

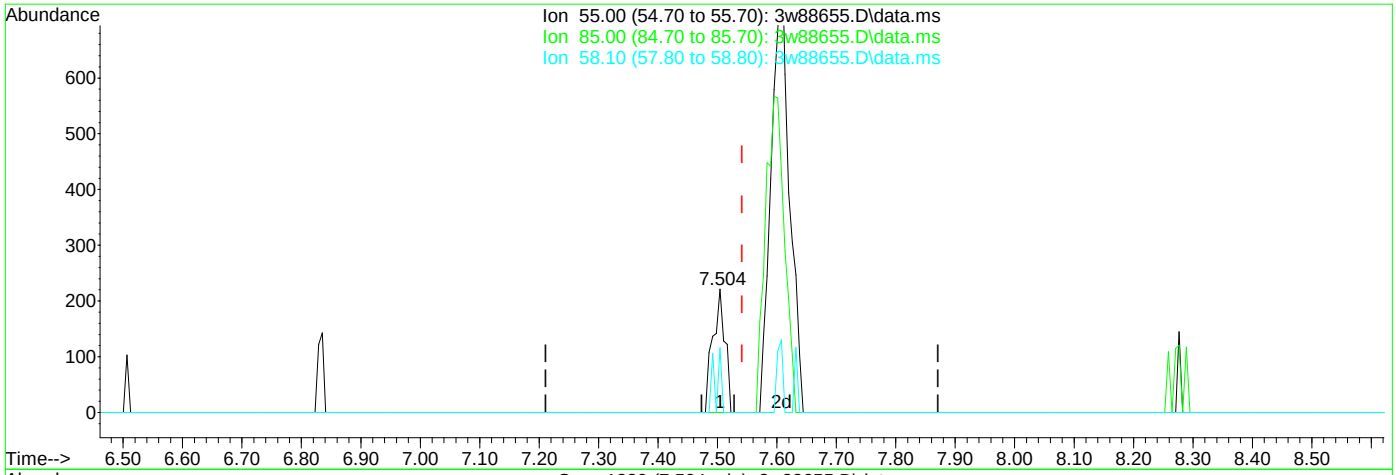
response 333

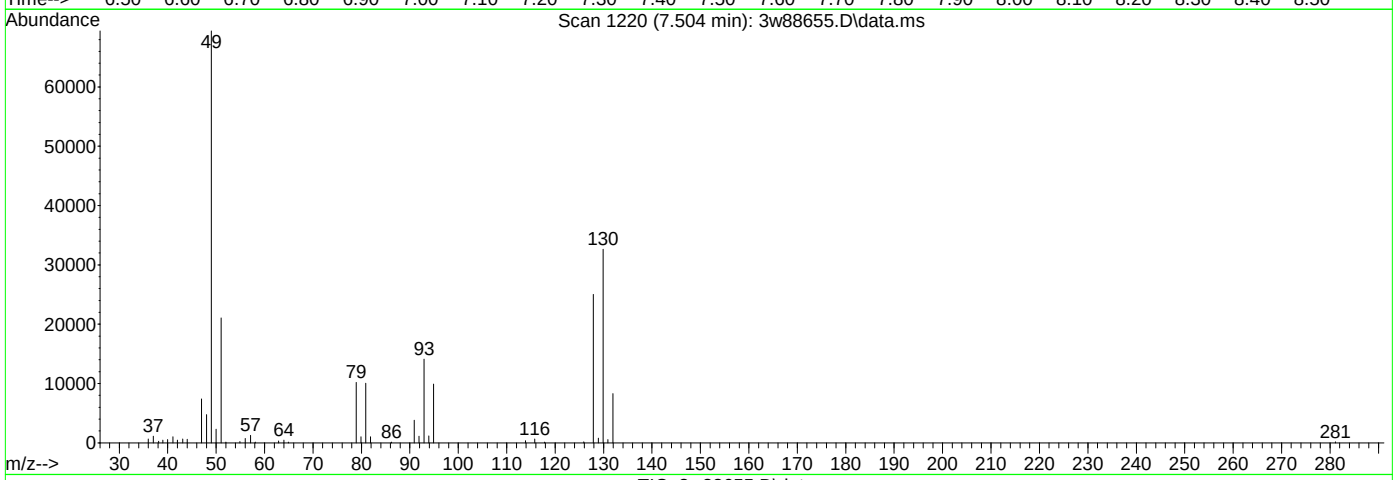
Ion	Exp%	Act%
65.00	100	100
45.00	48.20	240.84#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88655.D
Acq On : 9 Sep 2024 3:09 am
Operator : benk
Sample : ic3499-0.04
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 10 20:27:15 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Sep 10 20:26:51 2024
Response via : Initial Calibration





TIC: 3w88655.D\data.ms

(45) METHYL ACRYLATE

7.504min (-0.037) 0.01PPBV

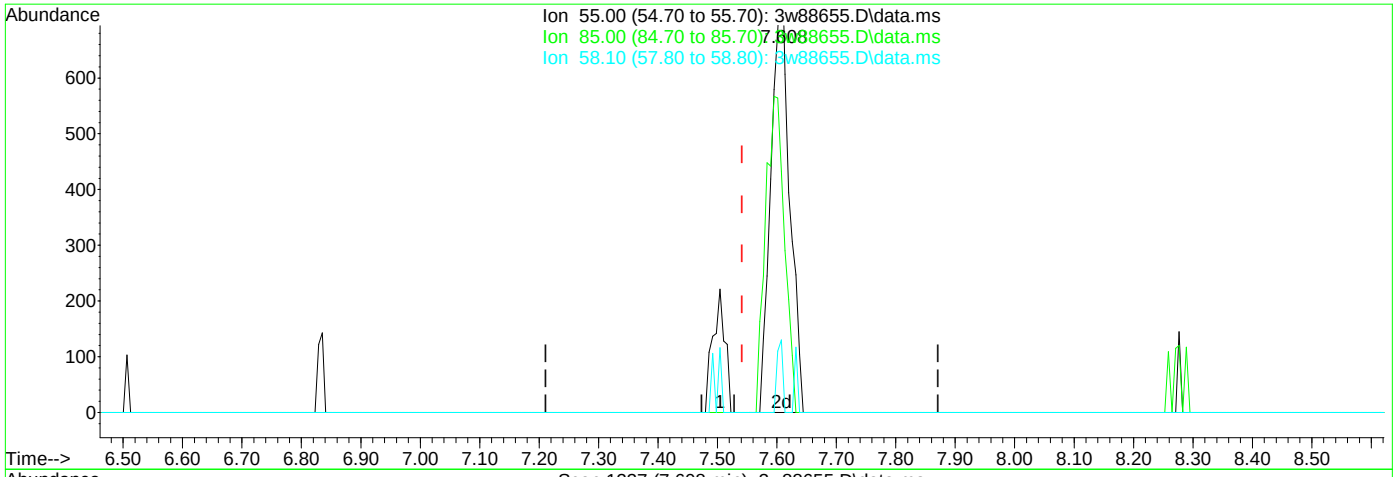
response 313

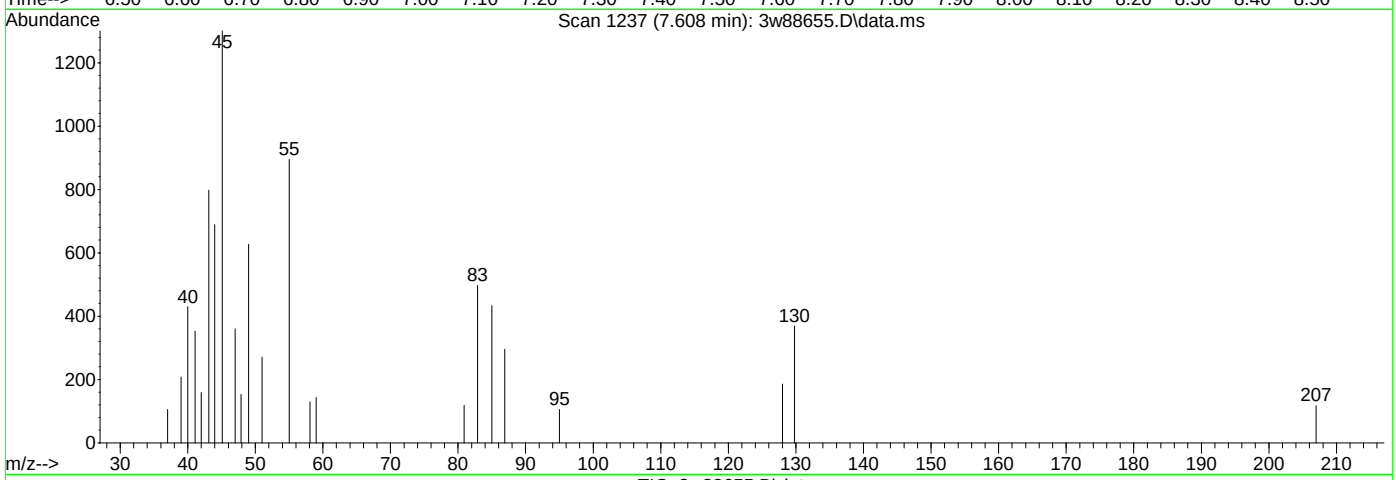
Ion	Exp%	Act%
55.00	100	100
85.00	11.60	0.00#
58.10	13.60	25.88#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88655.D
Acq On : 9 Sep 2024 3:09 am
Operator : benk
Sample : ic3499-0.04
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 10 20:27:15 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Sep 10 20:26:51 2024
Response via : Initial Calibration





TIC: 3w88655.D\data.ms

(45) METHYL ACRYLATE

7.608min (+0.067) 0.05PPBV m

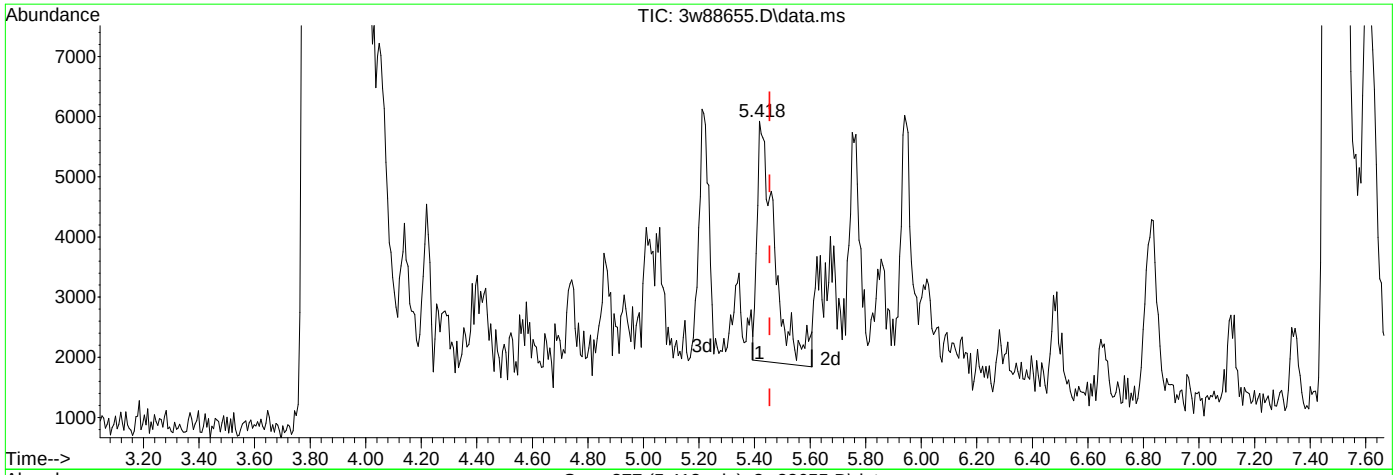
response 1684

Ion	Exp%	Act%
55.00	100	100
85.00	11.60	0.00#
58.10	13.60	4.81#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88655.D
Acq On : 9 Sep 2024 3:09 am
Operator : benk
Sample : ic3499-0.04
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 10 20:27:59 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Sep 10 20:26:51 2024
Response via : Initial Calibration



TIC: 3w88655.D\data.ms

(110) TVHC as equiv Pentane

5.418min (-0.036) 0.11PPBV

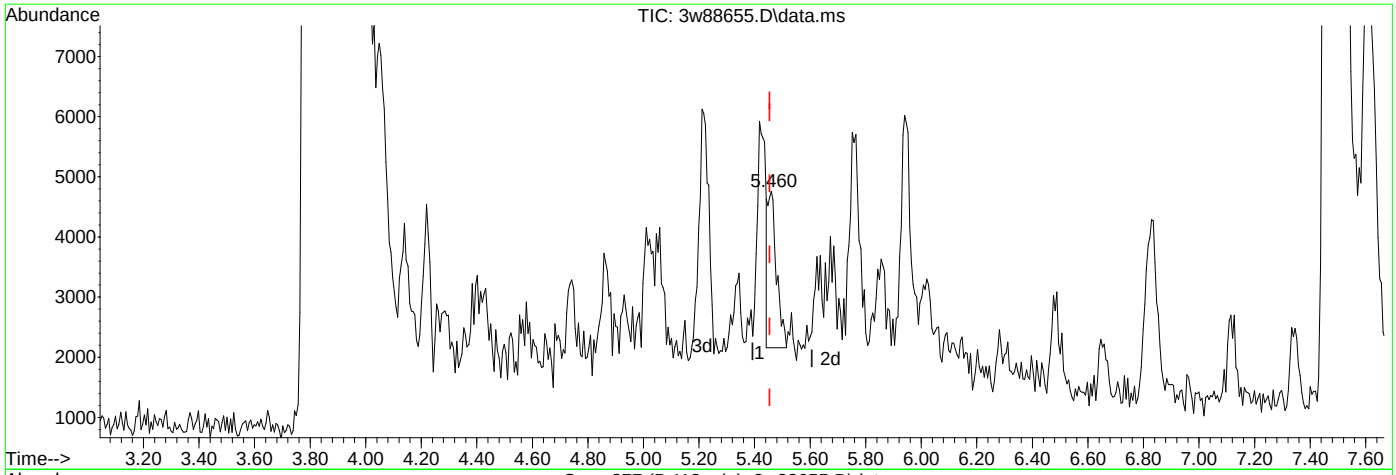
response 17612

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88655.D
Acq On : 9 Sep 2024 3:09 am
Operator : benk
Sample : ic3499-0.04
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 10 20:27:59 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Sep 10 20:26:51 2024
Response via : Initial Calibration



TIC: 3w88655.D\data.ms

(110) TVHC as equiv Pentane

5.460min (+0.006) 0.04PPBV m

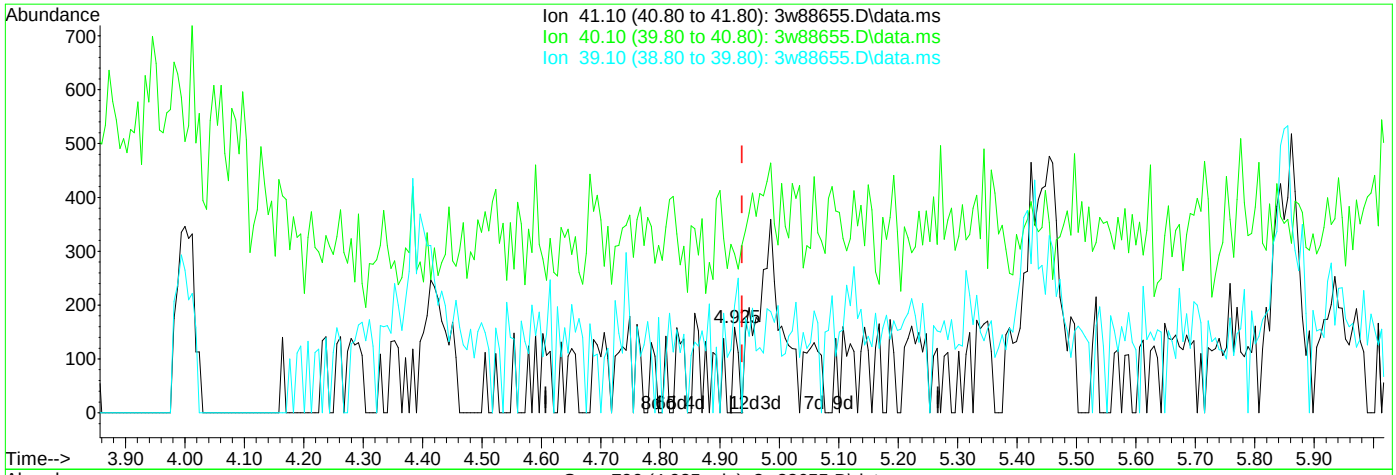
response 5760

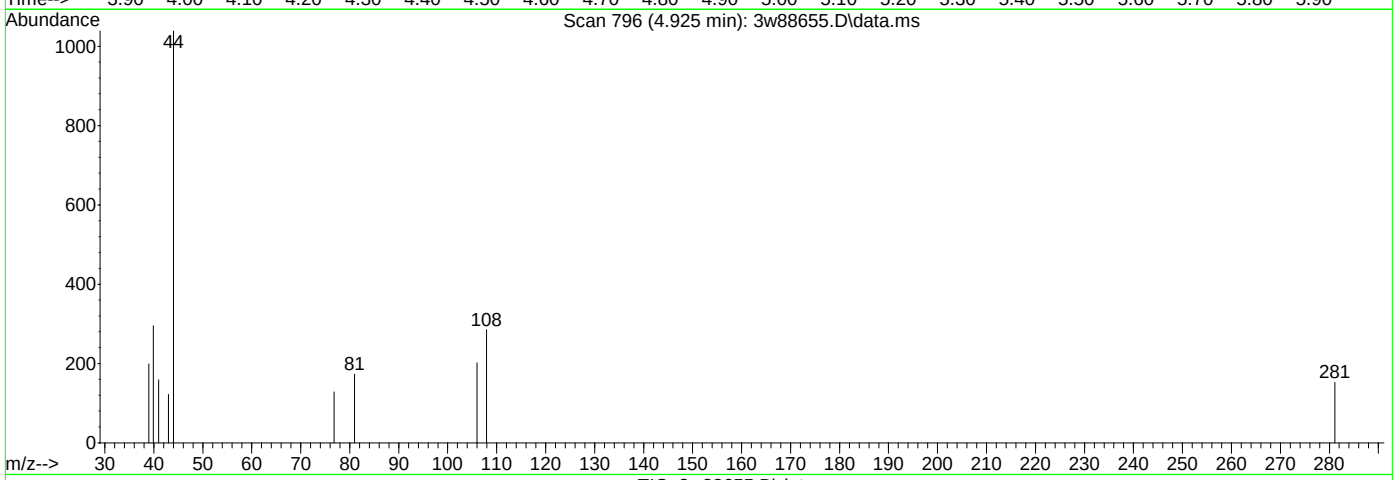
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88655.D
Acq On : 9 Sep 2024 3:09 am
Operator : benk
Sample : ic3499-0.04
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 10 20:41:18 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Sep 10 20:26:51 2024
Response via : Initial Calibration





TIC: 3w88655.D\data.ms

(17) ACETONITRILE

4.925min (-0.012) 0.01PPBV

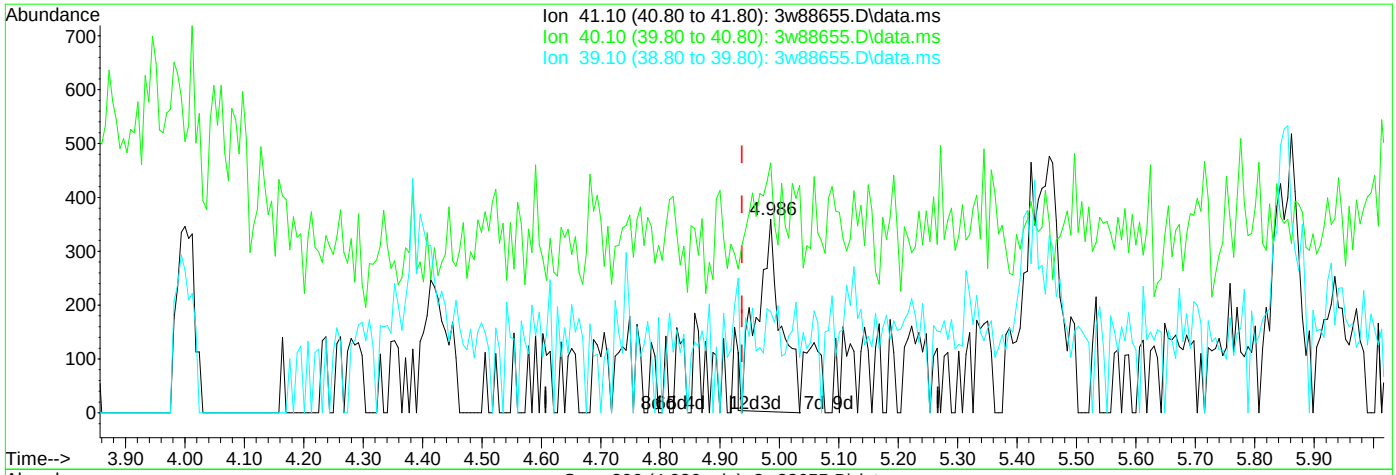
response 99

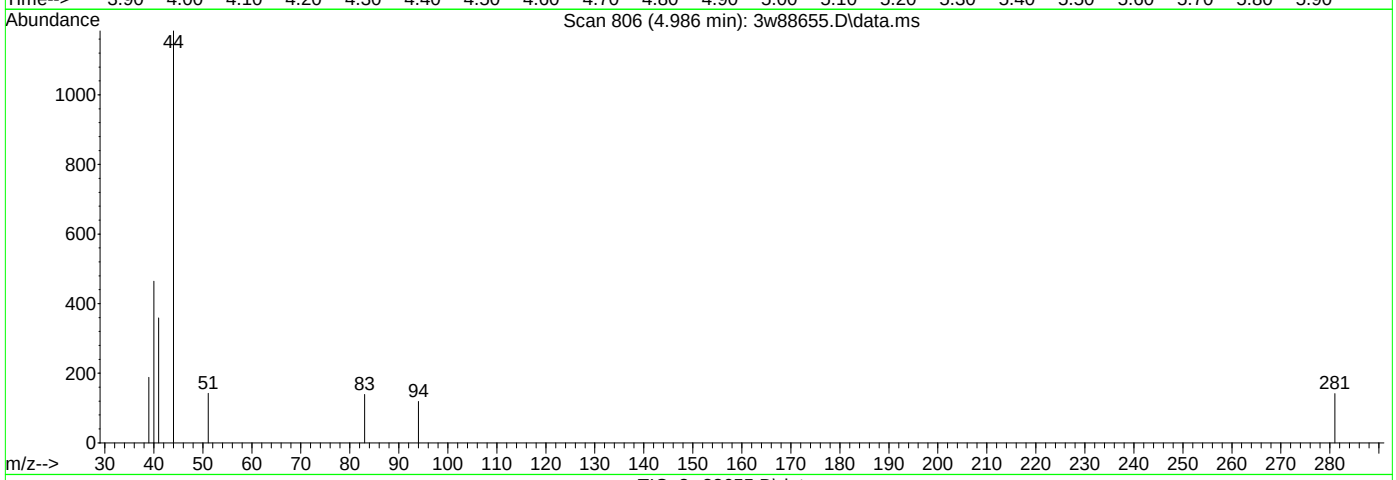
Ion	Exp%	Act%
41.10	100	100
40.10	57.50	0.00#
39.10	22.30	315.15#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88655.D
Acq On : 9 Sep 2024 3:09 am
Operator : benk
Sample : ic3499-0.04
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 10 20:41:18 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Sep 10 20:26:51 2024
Response via : Initial Calibration





TIC: 3w88655.D\data.ms

(17) ACETONITRILE

4.986min (+0.049) 0.08PPBV m

response 1004

Ion	Exp%	Act%
41.10	100	100
40.10	57.50	0.00#
39.10	22.30	31.08#
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 09/11/24 15:26

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88656.D
Acq On : 9 Sep 2024 3:49 am
Operator : benk
Sample : ic3499-0.1
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 10 20:40:13 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Sep 10 20:24:49 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.492	128	103179	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.208	114	516349	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	13.491	82	280788	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.492	128	103179	10.00	PPBV	#	0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	15.145	95	349316	10.55	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 105.50%				
Target Compounds							Qvalue
2) FREON 115	3.872	119	1722	0.10	PPBV		90
3) FREON 152A	3.951	65	899m	0.10	PPBV		
4) CHLORODIFLUOROMETHANE	3.970	67	464	0.08	PPBV	#	44
5) CHLOROTRIFLUOROETHENE	4.000	116	1786	0.10	PPBV	#	97
6) DICHLORODIFLUOROMETHANE	4.049	85	5088	0.10	PPBV		96
7) PROPYLENE	4.000	41	1885	0.11	PPBV		96
8) 1-CHLORO-1,1-DIFLUOROE...	4.140	65	4868	0.11	PPBV	#	88
9) FREON 114	4.219	85	3526	0.10	PPBV		98
10) CHLOROMETHANE	4.158	52	634	0.12	PPBV	#	80
11) VINYL CHLORIDE	4.298	62	1501	0.11	PPBV	#	81
12) 1,3-BUTADIENE	4.408	54	1303	0.12	PPBV	#	78
13) n-BUTANE	4.426	43	3133	0.15	PPBV		80
14) BROMOMETHANE	4.572	94	1388	0.12	PPBV		83
15) CHLOROETHANE	4.694	64	703	0.12	PPBV	#	66
16) DICHLOROFLUOROMETHANE	4.748	67	3344	0.10	PPBV		95
17) ACETONITRILE	4.974	41	1825	0.15	PPBV	#	41
18) ACROLEIN	5.065	56	819	0.14	PPBV		99
19) FREON 123	5.022	83	3190	0.11	PPBV		90
20) FREON 123A	5.053	117	1774	0.10	PPBV	#	80
21) TRICHLOROFLUOROMETHANE	5.211	101	5120	0.11	PPBV		99
22) ISOPROPYL ALCOHOL	5.424	45	7149	0.20	PPBV		86
23) ACETONE	5.217	58	1179	0.17	PPBV	#	65
24) PENTANE	5.460	42	2530	0.17	PPBV		87
25) IODOMETHANE	5.637	142	3438	0.11	PPBV		98
26) 1,1-DICHLOROETHYLENE	5.679	96	1211	0.11	PPBV	#	86
27) CARBON DISULFIDE	6.008	76	4177	0.11	PPBV	#	56
28) ETHANOL	4.870	45	3778	0.32	PPBV		92
29) BROMOETHENE	4.925	106	1154	0.10	PPBV		91
30) ACRYLONITRILE	5.466	52	1461	0.14	PPBV		90
31) METHYLENE CHLORIDE	5.764	84	1839	0.17	PPBV		85
32) 3-CHLOROPROPENE	5.856	76	563	0.10	PPBV	#	22
33) FREON 113	5.947	151	2371	0.10	PPBV		97
34) TRANS-1,2-DICHLOROETHY...	6.482	96	1487	0.11	PPBV		92
35) TERTIARY BUTYL ALCOHOL	5.935	59	3746	0.10	PPBV	#	58
36) METHYL TERTIARY BUTYL ...	6.823	73	4769	0.11	PPBV		92
37) TETRAHYDROFURAN	8.088	72	630	0.10	PPBV	#	84
38) HEXANE	7.504	57	4245	0.15	PPBV	#	75
39) VINYL ACETATE	6.817	86	280	0.10	PPBV	#	42
40) 1,1-DICHLOROETHANE	6.653	63	3758	0.12	PPBV		95
41) METHYL ETHYL KETONE	7.109	72	609	0.09	PPBV		99
42) cis-1,2-DICHLOROETHYLENE	7.340	96	1497	0.11	PPBV		90
43) DIISOPROPYL ETHER	7.602	59	858	0.11	PPBV		97
44) ETHYL ACETATE	7.638	61	582	0.11	PPBV	#	51
45) METHYL ACRYLATE	7.602	55	3784m	0.11	PPBV		
46) CHLOROFORM	7.602	83	3970	0.11	PPBV		86
47) 2,4-DIMETHYLPENTANE	8.283	57	3493	0.11	PPBV		97
48) 1,1,1-TRICHLOROETHANE	8.472	97	4347	0.11	PPBV		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88656.D
Acq On : 9 Sep 2024 3:49 am
Operator : benk
Sample : ic3499-0.1
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 10 20:40:13 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Sep 10 20:24:49 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
49)	CARBON TETRACHLORIDE	9.031	117	4512	0.10	PPBV		99
50)	1,2-DICHLOROETHANE	8.246	62	3270	0.10	PPBV		95
52)	BENZENE	8.897	78	4703	0.12	PPBV		98
53)	CYCLOHEXANE	9.135	84	1716	0.10	PPBV	#	84
54)	2,3-DIMETHYLPENTANE	9.360	71	996	0.11	PPBV		96
55)	TRICHLOROETHYLENE	9.871	95	2079	0.10	PPBV		89
56)	1,2-DICHLOROPROPANE	9.658	63	1962	0.11	PPBV		99
57)	DIBROMOMETHANE	9.634	174	2195	0.11	PPBV		89
58)	ETHYL ACRYLATE	9.725	55	4590	0.10	PPBV	#	94
59)	BROMODICHLOROMETHANE	9.840	83	4318	0.10	PPBV		100
60)	2,2,4-TRIMETHYLPENTANE	9.895	57	9485	0.11	PPBV		92
61)	1,4-DIOXANE	10.059	88	1091	0.11	PPBV		88
62)	HEPTANE	10.145	43	4114	0.11	PPBV		96
63)	METHYL METHACRYLATE	10.120	69	1654	0.11	PPBV	#	4
64)	METHYL ISOBUTYL KETONE	10.862	58	1560	0.09	PPBV	#	87
65)	cis-1,3-DICHLOROPROPENE	10.704	75	2814	0.09	PPBV		93
66)	TOLUENE	11.678	92	2953	0.10	PPBV		93
67)	1,3-DICHLOROPROPANE	11.708	76	2813	0.10	PPBV	#	100
68)	trans-1,3-DICHLOROPROPENE	11.227	75	2843	0.09	PPBV		96
69)	1,1,2-TRICHLOROETHANE	11.404	83	1635	0.10	PPBV		90
71)	2-HEXANONE	12.055	58	2234	0.11	PPBV	#	87
72)	ETHYL METHACRYLATE	12.012	69	2294	0.10	PPBV	#	90
73)	TETRACHLOROETHYLENE	12.827	164	2498	0.13	PPBV		96
74)	DIBROMOCHLOROMETHANE	12.103	129	3576	0.11	PPBV		99
75)	1,2-DIBROMOETHANE	12.359	107	3107	0.12	PPBV	#	99
76)	OCTANE	12.675	43	5415	0.12	PPBV		97
77)	1,1,1,2-TETRACHLOROETHANE	13.521	131	2692	0.12	PPBV		98
78)	CHLOROBENZENE	13.539	112	4485	0.13	PPBV	#	41
79)	ETHYLBENZENE	13.941	91	7585	0.12	PPBV		98
80)	m,p-XYLENE	14.129	106	5413	0.24	PPBV	#	80
81)	o-XYLENE	14.640	106	2584	0.12	PPBV		96
82)	STYRENE	14.525	104	3840	0.11	PPBV		98
83)	NONANE	14.890	43	5570	0.11	PPBV	#	94
84)	BROMOFORM	14.221	173	3665	0.10	PPBV		96
86)	1,1,2,2-TETRACHLOROETHANE	14.640	83	4718	0.13	PPBV		97
87)	1,2,3-TRICHLOROPROPANE	14.786	75	3672	0.11	PPBV		98
88)	ISOPROPYLBENZENE	15.303	105	8096	0.11	PPBV		97
89)	BROMOBENZENE	15.389	77	4842	0.12	PPBV		97
90)	2-CHLOROTOLUENE	15.857	126	1892	0.11	PPBV		92
91)	n-PROPYLBENZENE	15.900	120	2002	0.11	PPBV		98
92)	4-ETHYLTOLUENE	16.082	105	7550	0.11	PPBV		98
93)	1,3,5-TRIMETHYLBENZENE	16.179	105	6539	0.11	PPBV		97
94)	ALPHA-METHYLSTYRENE	16.368	118	2934	0.10	PPBV		95
95)	tert-BUTYLBENZENE	16.660	134	1132	0.09	PPBV	#	72
96)	1,2,4-TRIMETHYLBENZENE	16.672	105	6602	0.10	PPBV		98
97)	m-DICHLOROBENZENE	16.843	146	5114	0.11	PPBV		94
98)	BENZYL CHLORIDE	16.830	91	6194	0.10	PPBV		97
99)	p-DICHLOROBENZENE	16.922	146	5383	0.12	PPBV		98
100)	sec-BUTYLBENZENE	16.982	134	1802	0.11	PPBV	#	91
101)	1,2,3-Trimethylbenzene	17.177	105	6573	0.10	PPBV		96
102)	p-ISOPROPYLTOLUENE	17.177	134	1958	0.10	PPBV	#	91
103)	o-DICHLOROBENZENE	17.329	146	5142	0.12	PPBV		96
104)	n-BUTYLBENZENE	17.688	134	1839	0.10	PPBV		99
105)	HEXACHLOROETHANE	18.132	117	2921	0.10	PPBV		94
106)	HEXACHLOROBUTADIENE	19.903	225	5825	0.11	PPBV		98
107)	1,2,4-TRICHLOROBENZENE	19.361	180	5783	0.11	PPBV		98
108)	NAPHTHALENE	19.489	128	9021	0.10	PPBV		98
110)	TVHC as equiv Pentane	5.454	TIC	13150m	0.10	PPBV		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88656.D
Acq On : 9 Sep 2024 3:49 am
Operator : benk
Sample : ic3499-0.1
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 10 20:40:13 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Sep 10 20:24:49 2024
Response via : Initial Calibration

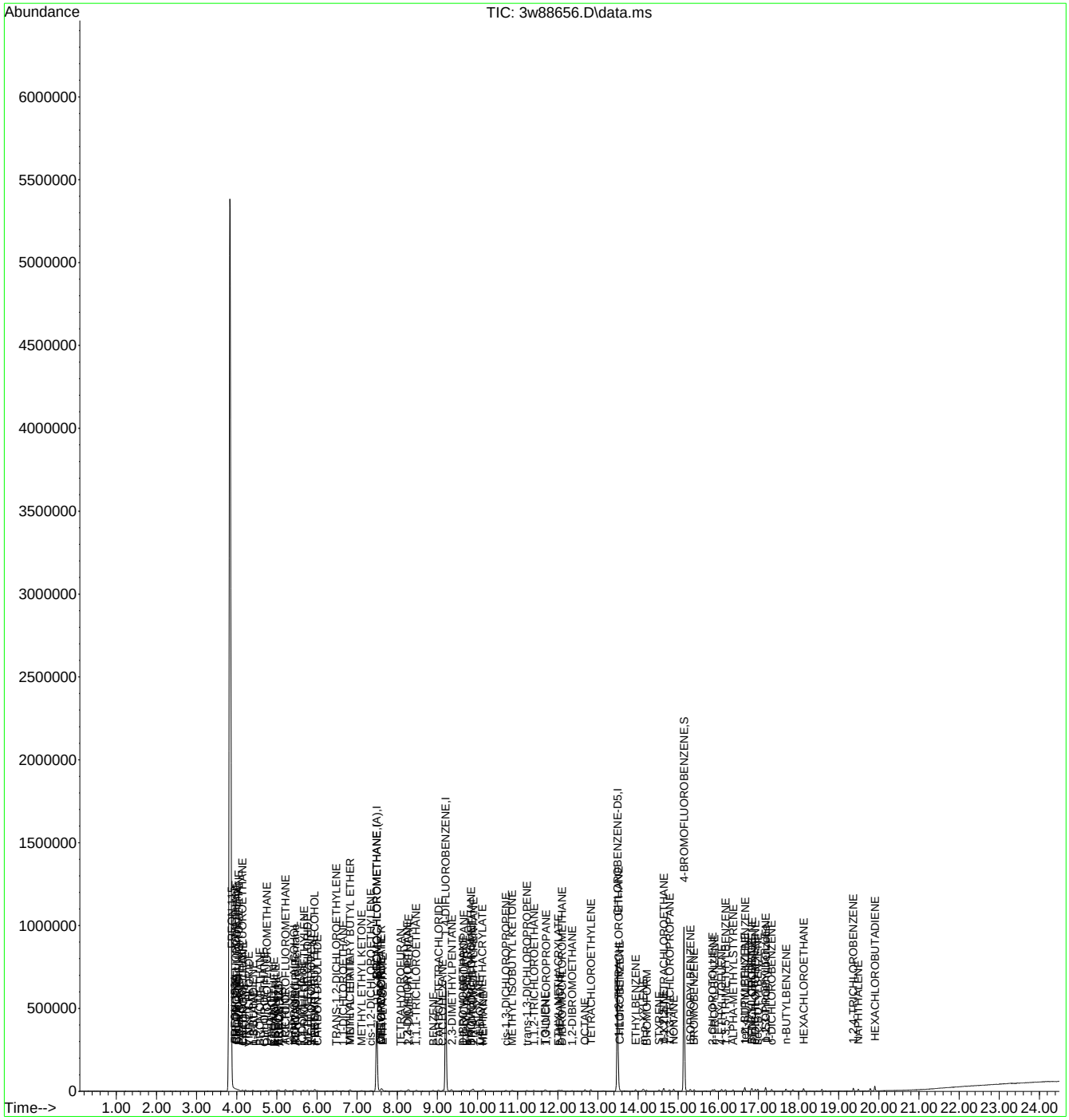
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88656.D
Acq On : 9 Sep 2024 3:49 am
Operator : benk
Sample : ic3499-0.1
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 10 20:40:13 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Sep 10 20:24:49 2024
Response via : Initial Calibration



Manual Integration Approval Summary

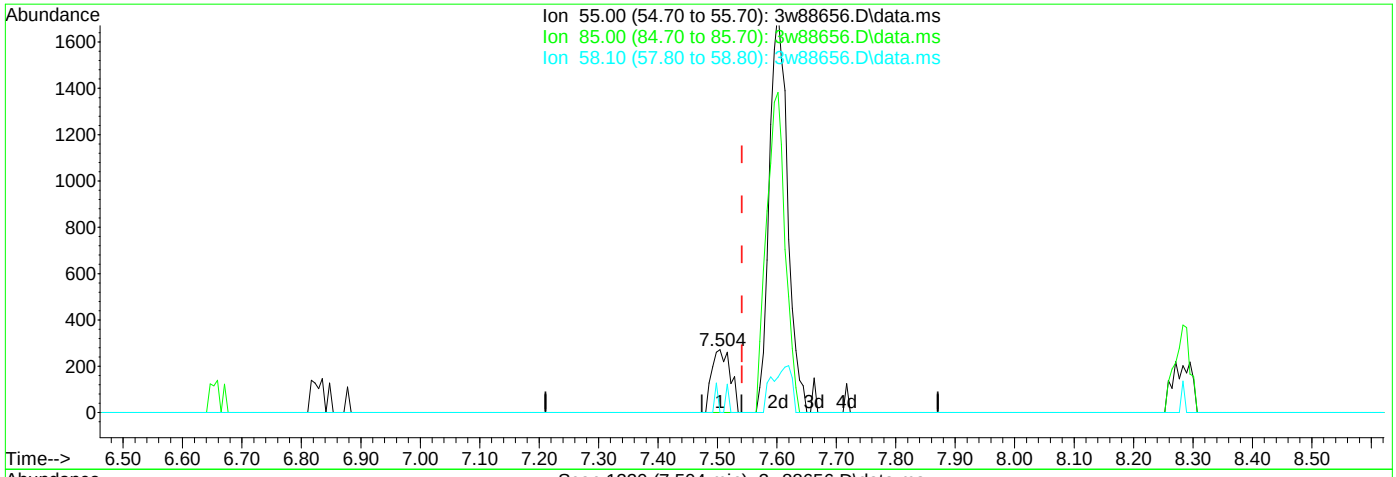
Sample Number: V3W3499-IC3499 **Method:** TO-15
Lab FileID: 3W88656.D **Analyst approved:** 09/10/24 21:26 Benjamin Kim
Injection Time: 09/09/24 03:49 **Supervisor approved:** 09/11/24 15:26 Kanya Veerawat

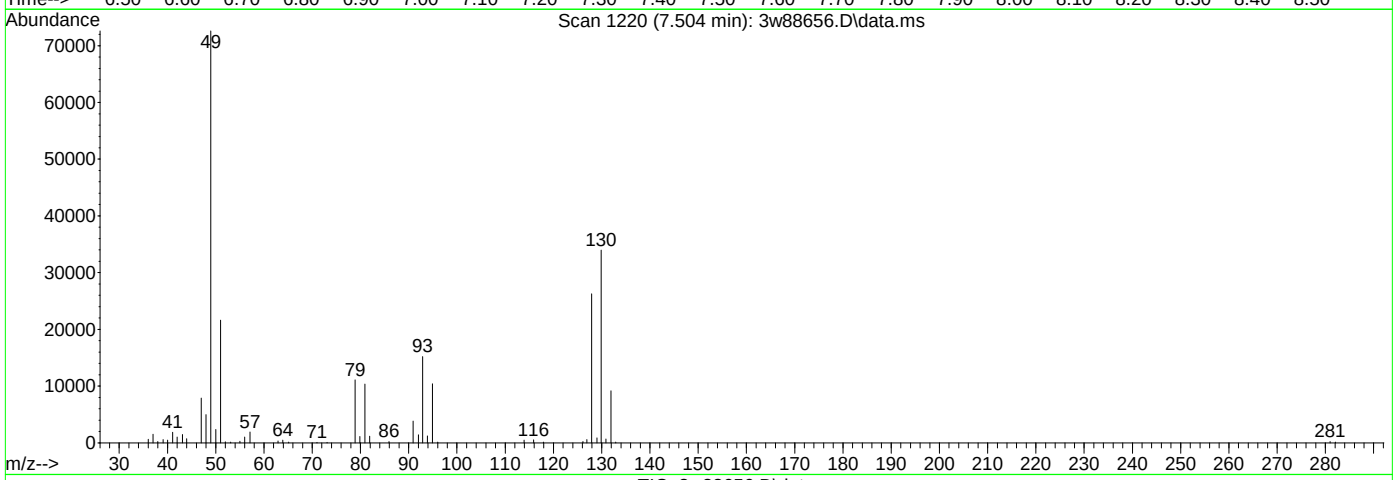
Parameter	CAS	Sig#	R.T. (min.)	Reason
Freon 152A	75-37-6		3.95	Missed peak
TVHC As Equiv Pentane			5.45	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88656.D
Acq On : 9 Sep 2024 3:49 am
Operator : benk
Sample : ic3499-0.1
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 10 20:25:04 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Sep 10 20:24:49 2024
Response via : Initial Calibration





TIC: 3w88656.D\data.ms

(45) METHYL ACRYLATE

7.504min (-0.037) 0.02PPBV

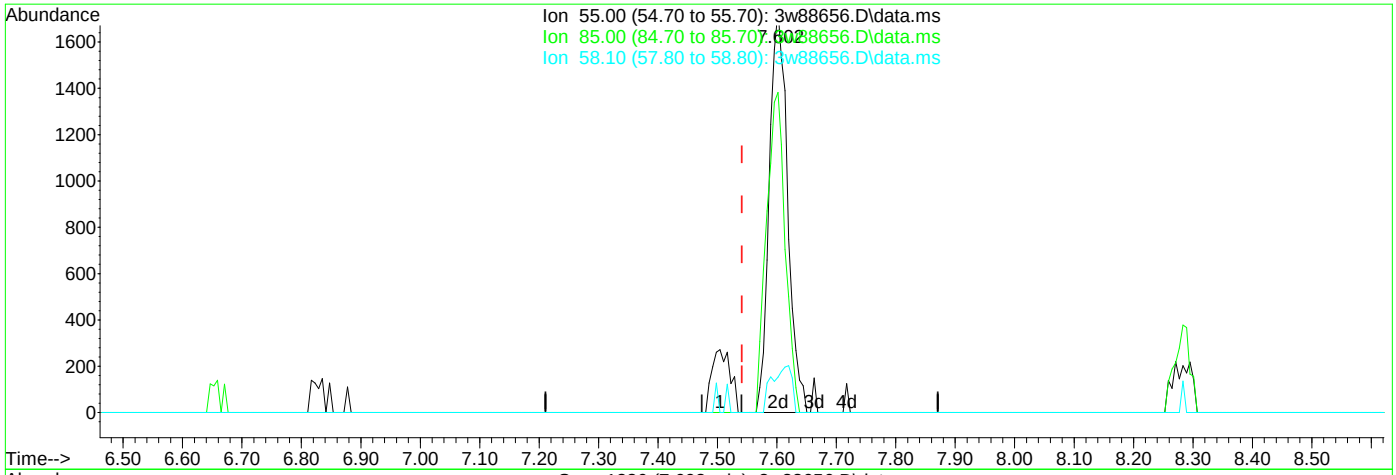
response 591

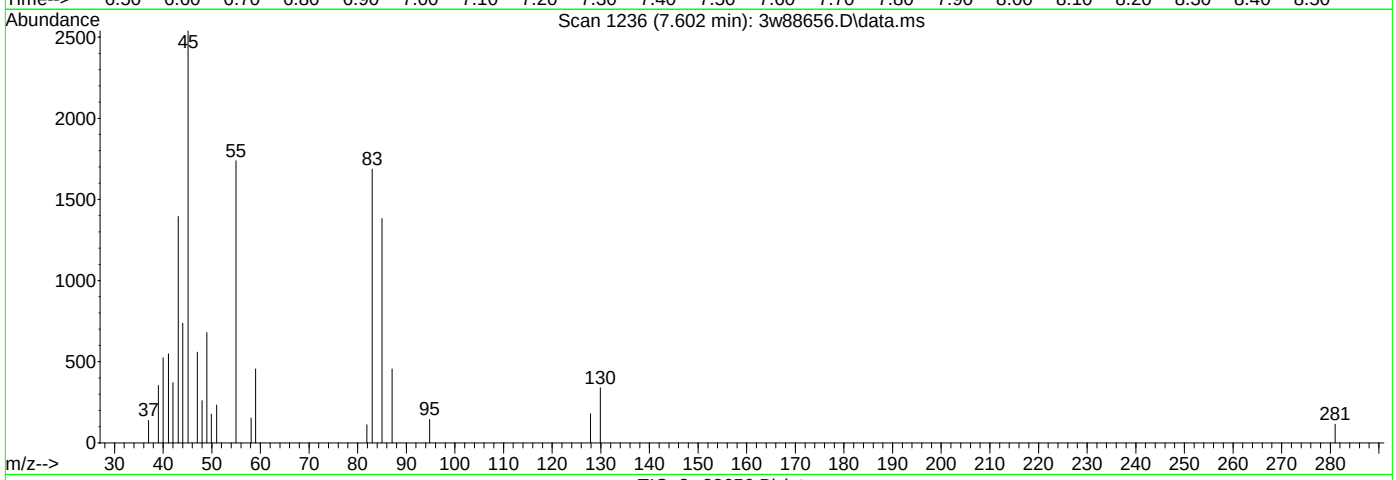
Ion	Exp%	Act%
55.00	100	100
85.00	11.60	0.00#
58.10	13.60	7.78#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88656.D
Acq On : 9 Sep 2024 3:49 am
Operator : benk
Sample : ic3499-0.1
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 10 20:25:04 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Sep 10 20:24:49 2024
Response via : Initial Calibration





TIC: 3w88656.D\data.ms

(45) METHYL ACRYLATE

7.602min (+0.061) 0.11PPBV m

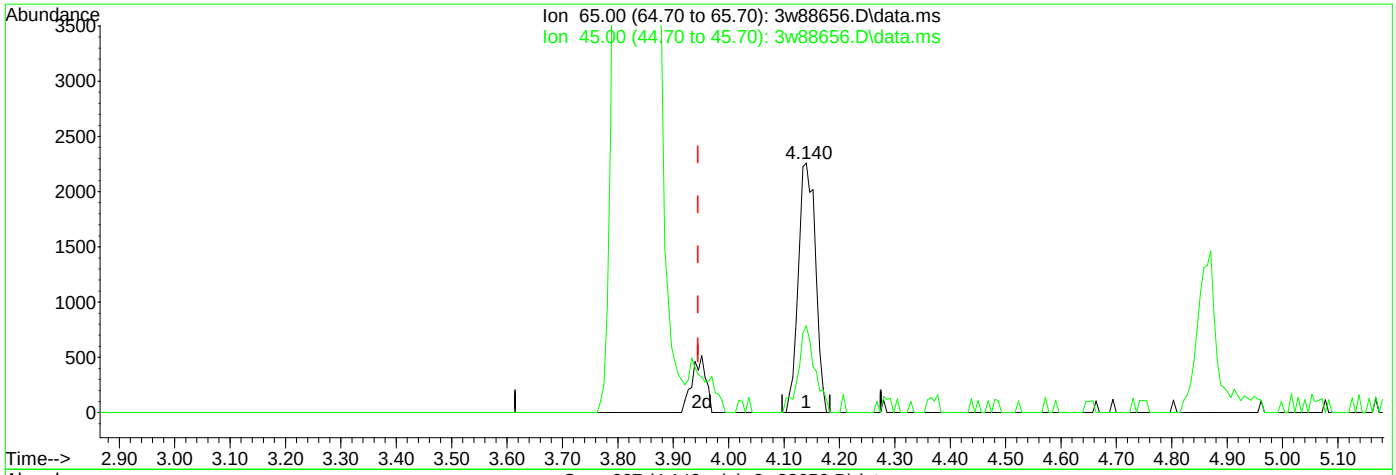
response 3784

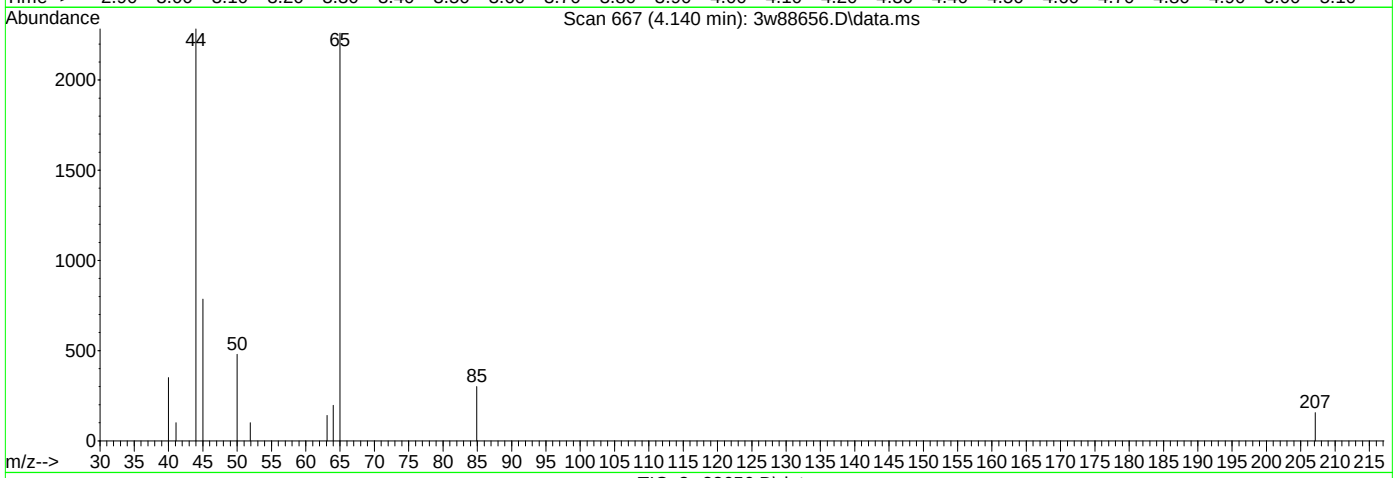
Ion	Exp%	Act%
55.00	100	100
85.00	11.60	0.00#
58.10	13.60	1.22#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88656.D
Acq On : 9 Sep 2024 3:49 am
Operator : benk
Sample : ic3499-0.1
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 10 20:25:23 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Sep 10 20:24:49 2024
Response via : Initial Calibration





TIC: 3w88656.D\data.ms

(3) FREON 152A

4.140min (+0.195) 0.53PPBV

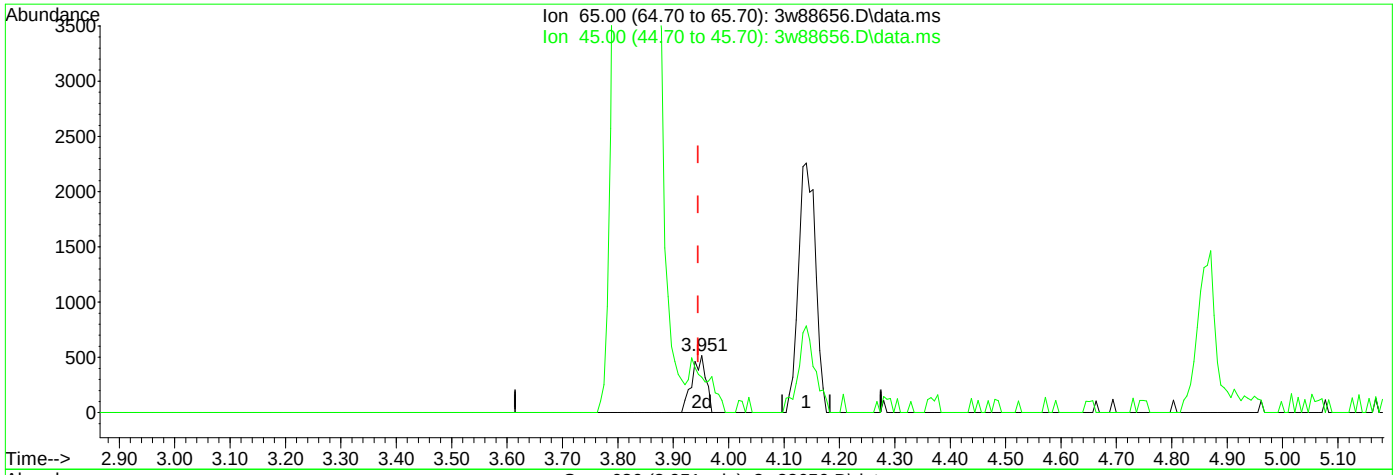
response 4868

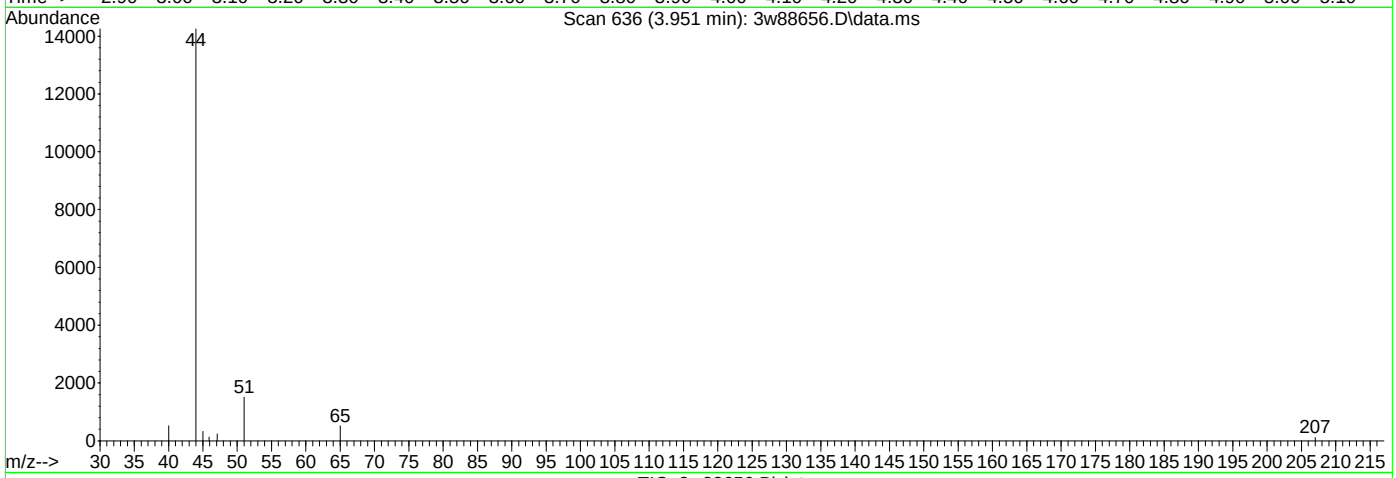
Ion	Exp%	Act%
65.00	100	100
45.00	48.20	34.12
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88656.D
Acq On : 9 Sep 2024 3:49 am
Operator : benk
Sample : ic3499-0.1
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 10 20:25:23 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Sep 10 20:24:49 2024
Response via : Initial Calibration





TIC: 3w88656.D\data.ms

(3) FREON 152A

3.951min (+0.006) 0.10PPBV m

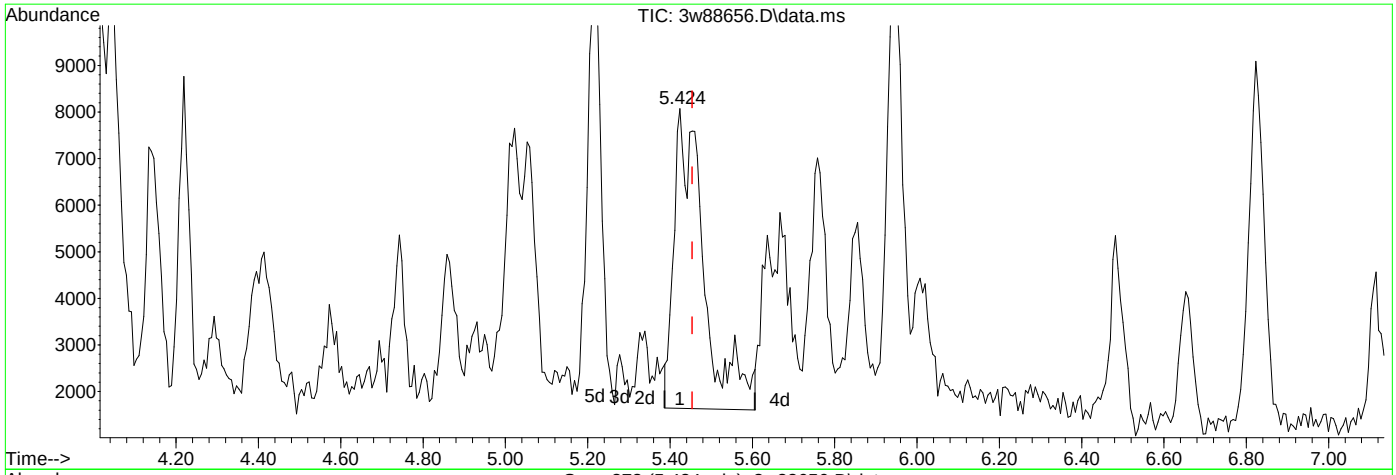
response 899

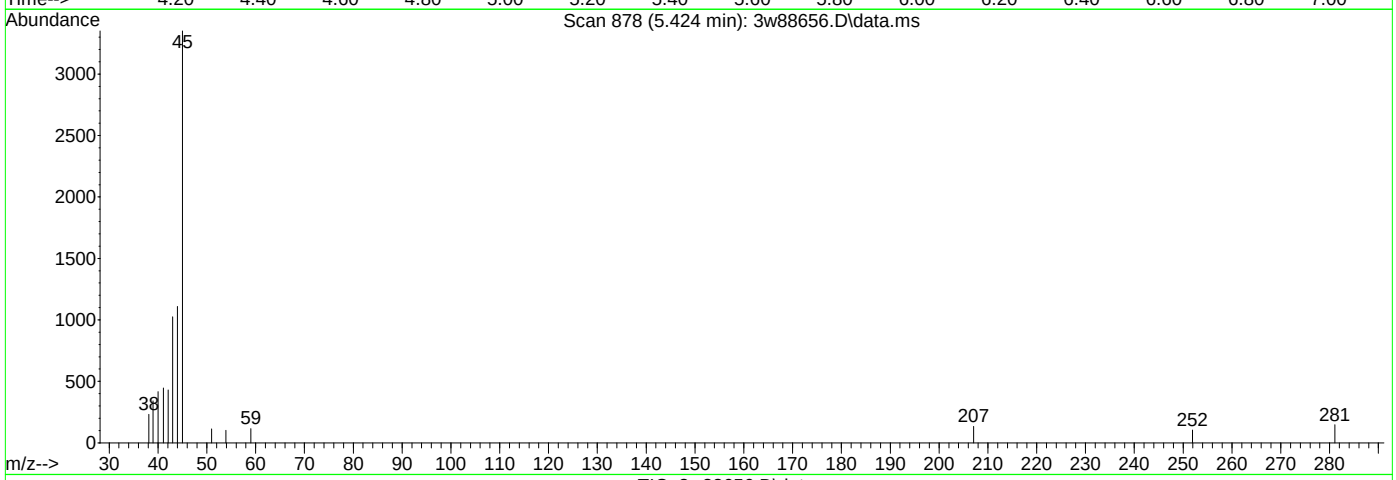
Ion	Exp%	Act%
65.00	100	100
45.00	48.20	184.76#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88656.D
Acq On : 9 Sep 2024 3:49 am
Operator : benk
Sample : ic3499-0.1
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 10 20:26:38 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Sep 10 20:24:49 2024
Response via : Initial Calibration





TIC: 3w88656.D\data.ms

(110) TVHC as equiv Pentane

5.424min (-0.030) 0.25PPBV

response 32375

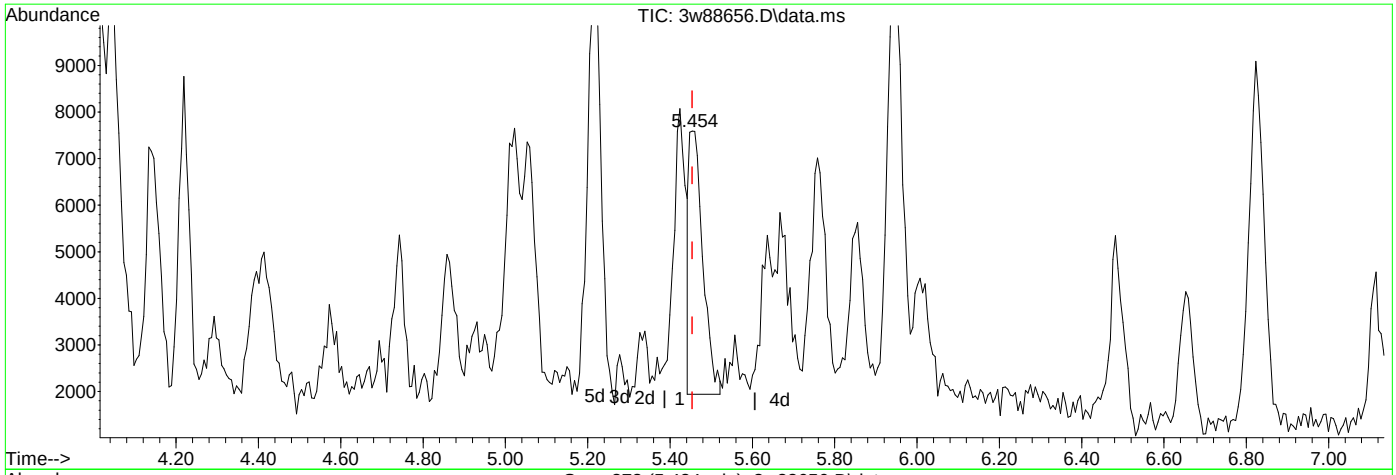
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

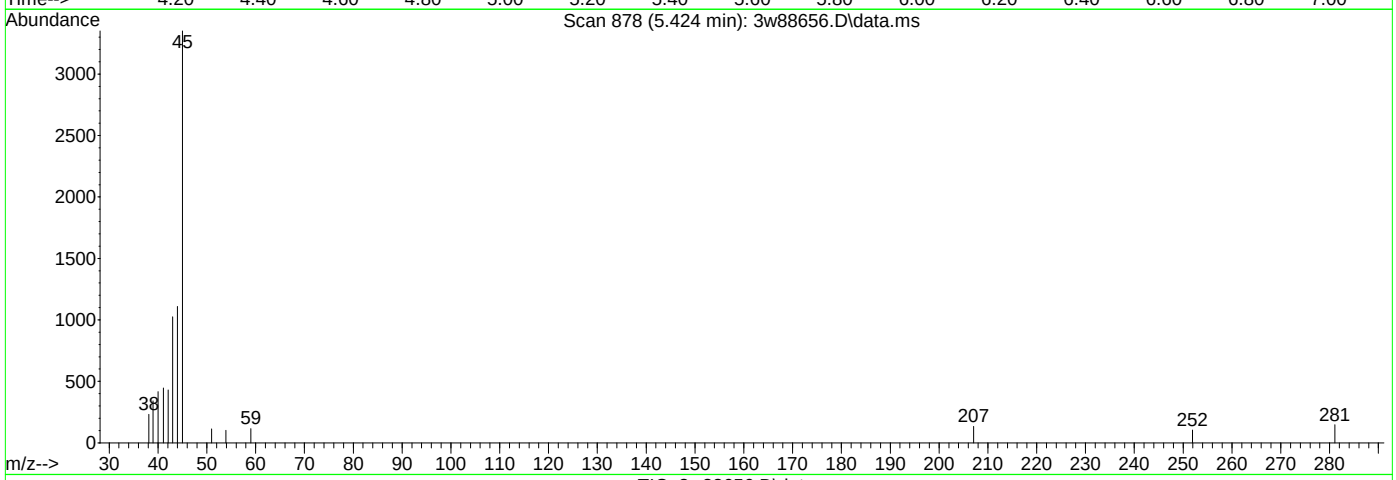
3W88656.D edits: TVHC as equiv Pentane

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88656.D
Acq On : 9 Sep 2024 3:49 am
Operator : benk
Sample : ic3499-0.1
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 10 20:26:38 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Sep 10 20:24:49 2024
Response via : Initial Calibration





TIC: 3w88656.D\data.ms

(110) TVHC as equiv Pentane

5.454min (+0.000) 0.10PPBV m

response 13150

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

3W88656.D edits: TVHC as equiv Pentane

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 09/11/24 15:26

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88657.D
Acq On : 9 Sep 2024 4:30 am
Operator : benk
Sample : ic3499-0.2
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 10 20:39:01 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Sep 10 20:22:03 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.486	128	101175	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.208	114	497986	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	13.484	82	275478	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.486	128	101175	10.00	PPBV	#	0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	15.145	95	347746	10.83	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 108.30%				
Target Compounds							Qvalue
2) FREON 115	3.872	119	3455	0.21	PPBV		95
3) FREON 152A	3.945	65	1797	0.20	PPBV		71
4) CHLORODIFLUOROMETHANE	3.982	67	1092	0.19	PPBV	#	55
5) CHLOROTRIFLUOROETHENE	4.000	116	3397	0.19	PPBV	#	98
6) DICHLORODIFLUOROMETHANE	4.049	85	9579	0.18	PPBV		96
7) PROPYLENE	4.000	41	3467	0.21	PPBV		98
8) 1-CHLORO-1,1-DIFLUOROE...	4.140	65	9720	0.21	PPBV		93
9) FREON 114	4.225	85	6705	0.19	PPBV		96
10) CHLOROMETHANE	4.164	52	1068	0.21	PPBV	#	74
11) VINYL CHLORIDE	4.298	62	2671	0.19	PPBV		98
12) 1,3-BUTADIENE	4.396	54	2144	0.20	PPBV	#	71
13) n-BUTANE	4.426	43	4793	0.23	PPBV	#	74
14) BROMOMETHANE	4.572	94	2643	0.24	PPBV		84
15) CHLOROETHANE	4.694	64	1144	0.19	PPBV	#	57
16) DICHLOROFLUOROMETHANE	4.736	67	6648	0.21	PPBV		97
17) ACETONITRILE	4.973	41	2721m	0.24	PPBV		
18) ACROLEIN	5.065	56	1283	0.23	PPBV		94
19) FREON 123	5.016	83	5717	0.20	PPBV		99
20) FREON 123A	5.059	117	3458	0.21	PPBV		97
21) TRICHLOROFLUOROMETHANE	5.211	101	10350	0.22	PPBV		98
22) ISOPROPYL ALCOHOL	5.424	45	10375	0.33	PPBV		83
23) ACETONE	5.211	58	1971	0.30	PPBV	#	68
24) PENTANE	5.448	42	4122	0.30	PPBV		87
25) IODOMETHANE	5.637	142	6904	0.22	PPBV		95
26) 1,1-DICHLOROETHYLENE	5.667	96	2244	0.21	PPBV		96
27) CARBON DISULFIDE	6.014	76	7852	0.22	PPBV	#	61
28) ETHANOL	4.864	45	5906	0.69	PPBV		92
29) BROMOETHENE	4.931	106	2358	0.22	PPBV		96
30) ACRYLONITRILE	5.466	52	2777	0.29	PPBV		97
31) METHYLENE CHLORIDE	5.758	84	3071	0.31	PPBV		96
32) 3-CHLOROPROPENE	5.850	76	1185	0.22	PPBV	#	88
33) FREON 113	5.953	151	4620	0.21	PPBV		99
34) TRANS-1,2-DICHLOROETHY...	6.488	96	2667	0.20	PPBV		98
35) TERTIARY BUTYL ALCOHOL	5.935	59	7203	0.20	PPBV	#	73
36) METHYL TERTIARY BUTYL ...	6.823	73	9744	0.22	PPBV		99
37) TETRAHYDROFURAN	8.088	72	1207	0.19	PPBV		94
38) HEXANE	7.504	57	6846	0.25	PPBV	#	76
39) VINYL ACETATE	6.811	86	609	0.21	PPBV	#	87
40) 1,1-DICHLOROETHANE	6.653	63	6694	0.22	PPBV		97
41) METHYL ETHYL KETONE	7.103	72	1363	0.21	PPBV	#	75
42) cis-1,2-DICHLOROETHYLENE	7.340	96	2983	0.22	PPBV		95
43) DIISOPROPYL ETHER	7.602	59	1744	0.23	PPBV	#	95
44) ETHYL ACETATE	7.626	61	1141	0.23	PPBV	#	60
45) METHYL ACRYLATE	7.602	55	7389m	0.22	PPBV		
46) CHLOROFORM	7.602	83	7787	0.23	PPBV		85
47) 2,4-DIMETHYLPENTANE	8.283	57	6683	0.21	PPBV		90
48) 1,1,1-TRICHLOROETHANE	8.478	97	8611	0.22	PPBV		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88657.D
Acq On : 9 Sep 2024 4:30 am
Operator : benk
Sample : ic3499-0.2
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 10 20:39:01 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Sep 10 20:22:03 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
49) CARBON TETRACHLORIDE	9.031	117	8793	0.20	PPBV		98
50) 1,2-DICHLOROETHANE	8.253	62	6539	0.21	PPBV		97
52) BENZENE	8.891	78	8626	0.22	PPBV		98
53) CYCLOHEXANE	9.135	84	3486	0.21	PPBV		97
54) 2,3-DIMETHYLPENTANE	9.348	71	1857	0.22	PPBV	#	88
55) TRICHLOROETHYLENE	9.877	95	4341	0.21	PPBV		98
56) 1,2-DICHLOROPROPANE	9.658	63	4052	0.23	PPBV		96
57) DIBROMOMETHANE	9.633	174	4380	0.23	PPBV		95
58) ETHYL ACRYLATE	9.719	55	8841	0.20	PPBV	#	95
59) BROMODICHLOROMETHANE	9.840	83	8736	0.22	PPBV		98
60) 2,2,4-TRIMETHYLPENTANE	9.895	57	18515	0.22	PPBV		96
61) 1,4-DIOXANE	10.053	88	1915	0.20	PPBV		89
62) HEPTANE	10.145	43	8653	0.24	PPBV		98
63) METHYL METHACRYLATE	10.114	69	3182	0.21	PPBV	#	1
64) METHYL ISOBUTYL KETONE	10.856	58	3349	0.20	PPBV		95
65) cis-1,3-DICHLOROPROPENE	10.710	75	5735	0.20	PPBV		94
66) TOLUENE	11.678	92	6022	0.21	PPBV		97
67) 1,3-DICHLOROPROPANE	11.708	76	5735	0.22	PPBV	#	98
68) trans-1,3-DICHLOROPROPENE	11.227	75	5653	0.19	PPBV		96
69) 1,1,2-TRICHLOROETHANE	11.404	83	3539	0.23	PPBV		96
71) 2-HEXANONE	12.037	58	4426	0.22	PPBV	#	85
72) ETHYL METHACRYLATE	12.000	69	4717	0.22	PPBV		98
73) TETRACHLOROETHYLENE	12.821	164	4828	0.25	PPBV		97
74) DIBROMOCHLOROMETHANE	12.103	129	7097	0.23	PPBV		98
75) 1,2-DIBROMOETHANE	12.359	107	6327	0.27	PPBV		98
76) OCTANE	12.675	43	10476	0.24	PPBV		97
77) 1,1,1,2-TETRACHLOROETHANE	13.521	131	5286	0.25	PPBV		97
78) CHLOROBENZENE	13.539	112	8713	0.25	PPBV		92
79) ETHYLBENZENE	13.941	91	14667	0.25	PPBV		100
80) m,p-XYLENE	14.135	106	10081	0.46	PPBV		92
81) o-XYLENE	14.646	106	5140	0.24	PPBV		96
82) STYRENE	14.525	104	7482	0.22	PPBV		97
83) NONANE	14.890	43	11741	0.25	PPBV		99
84) BROMOFORM	14.214	173	6831	0.20	PPBV		98
86) 1,1,2,2-TETRACHLOROETHANE	14.640	83	8674	0.26	PPBV		97
87) 1,2,3-TRICHLOROPROPANE	14.786	75	7270	0.24	PPBV		99
88) ISOPROPYLBENZENE	15.303	105	15760	0.22	PPBV		99
89) BROMOBENZENE	15.395	77	9009	0.23	PPBV		99
90) 2-CHLOROTOLUENE	15.857	126	3486	0.21	PPBV		95
91) n-PROPYLBENZENE	15.906	120	3991	0.22	PPBV		97
92) 4-ETHYLTOLUENE	16.082	105	15622	0.22	PPBV		98
93) 1,3,5-TRIMETHYLBENZENE	16.173	105	13163	0.22	PPBV		99
94) ALPHA-METHYLSTYRENE	16.362	118	6081	0.21	PPBV		94
95) tert-BUTYLBENZENE	16.654	134	2765	0.23	PPBV		96
96) 1,2,4-TRIMETHYLBENZENE	16.666	105	13640	0.22	PPBV		99
97) m-DICHLOROBENZENE	16.843	146	9808	0.23	PPBV		99
98) BENZYL CHLORIDE	16.824	91	12482	0.20	PPBV		98
99) p-DICHLOROBENZENE	16.922	146	10204	0.24	PPBV		99
100) sec-BUTYLBENZENE	16.982	134	3355	0.21	PPBV	#	89
101) 1,2,3-Trimethylbenzene	17.177	105	13849	0.21	PPBV		100
102) p-ISOPROPYLTOLUENE	17.177	134	3885	0.21	PPBV		94
103) o-DICHLOROBENZENE	17.329	146	9572	0.23	PPBV		98
104) n-BUTYLBENZENE	17.688	134	3773	0.20	PPBV		97
105) HEXACHLOROETHANE	18.126	117	5902	0.21	PPBV		95
106) HEXACHLOROBUTADIENE	19.903	225	11310	0.21	PPBV		98
107) 1,2,4-TRICHLOROBENZENE	19.367	180	11199	0.21	PPBV		96
108) NAPHTHALENE	19.489	128	17709	0.20	PPBV		98
110) TVHC as equiv Pentane	5.460	TIC	26246m	0.24	PPBV		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88657.D
Acq On : 9 Sep 2024 4:30 am
Operator : benk
Sample : ic3499-0.2
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 10 20:39:01 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Sep 10 20:22:03 2024
Response via : Initial Calibration

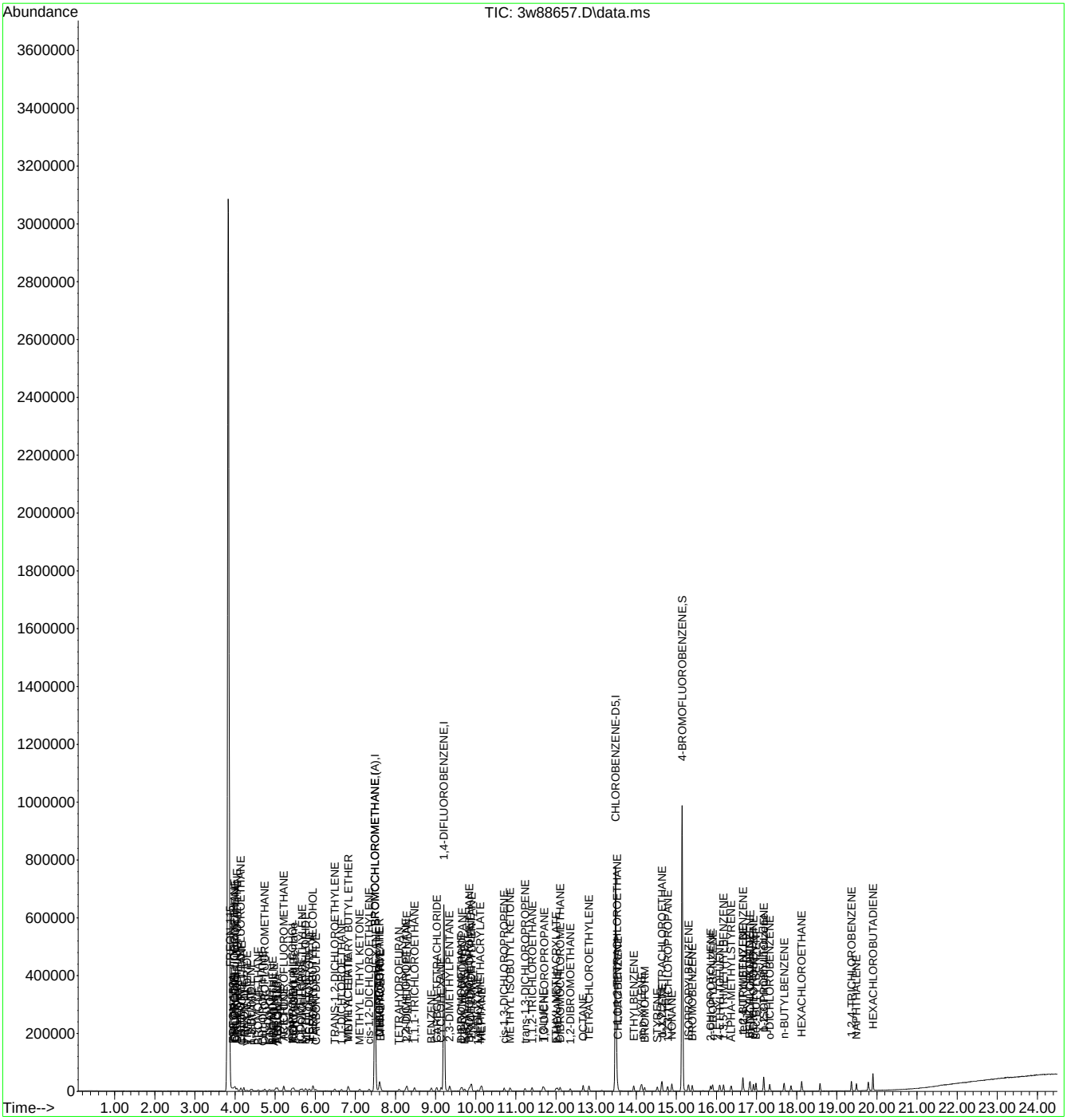
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88657.D
Acq On : 9 Sep 2024 4:30 am
Operator : benk
Sample : ic3499-0.2
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 10 20:39:01 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Sep 10 20:22:03 2024
Response via : Initial Calibration



Manual Integration Approval Summary

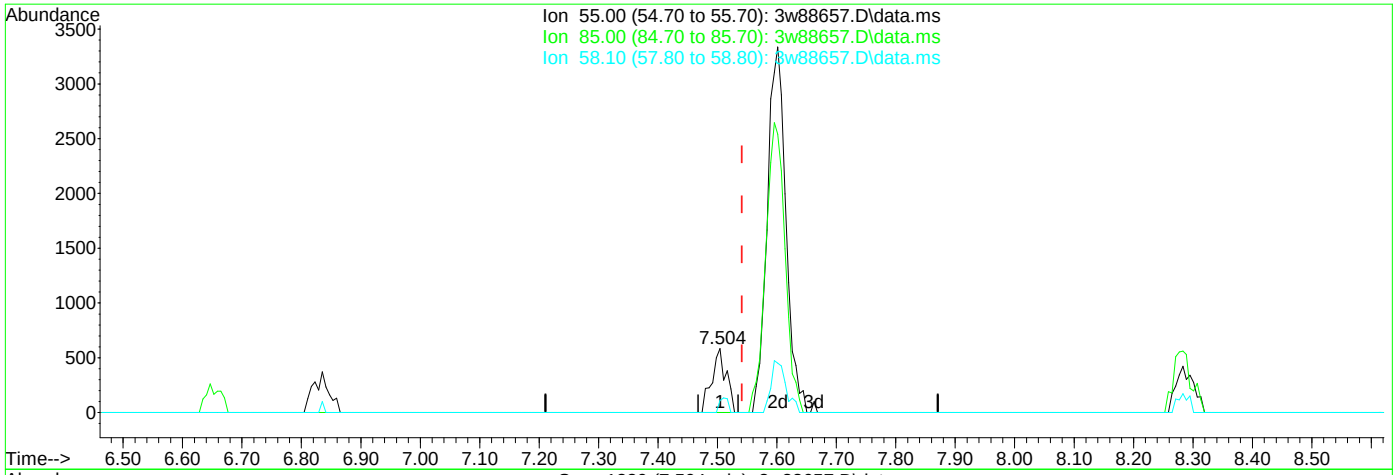
Sample Number: V3W3499-IC3499 **Method:** TO-15
Lab FileID: 3W88657.D **Analyst approved:** 09/10/24 21:26 Benjamin Kim
Injection Time: 09/09/24 04:30 **Supervisor approved:** 09/11/24 15:26 Kanya Veerawat

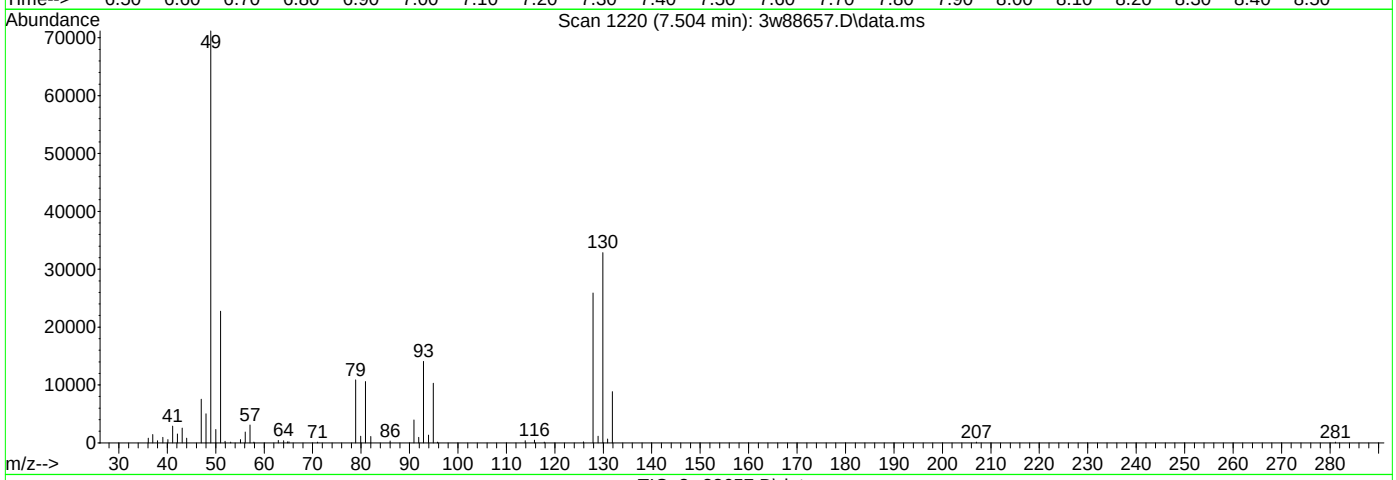
Parameter	CAS	Sig#	R.T. (min.)	Reason
Acetonitrile	75-05-8		4.97	Missed peak
TVHC As Equiv Pentane			5.46	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88657.D
Acq On : 9 Sep 2024 4:30 am
Operator : benk
Sample : ic3499-0.2
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 10 20:22:55 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Sep 10 20:22:03 2024
Response via : Initial Calibration





TIC: 3w88657.D\data.ms

(45) METHYL ACRYLATE

7.504min (-0.037) 0.03PPBV

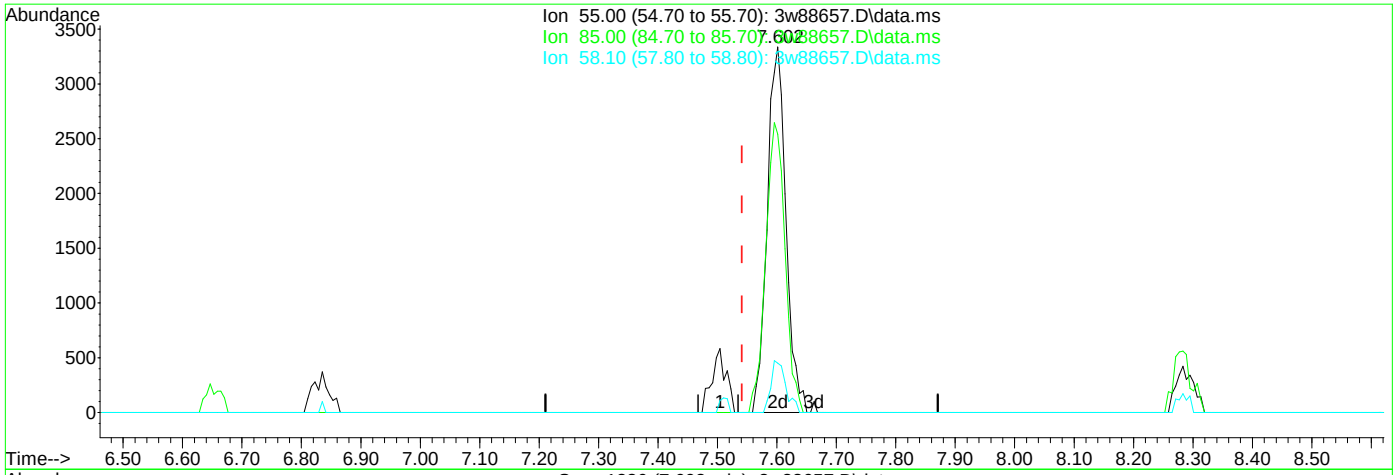
response 983

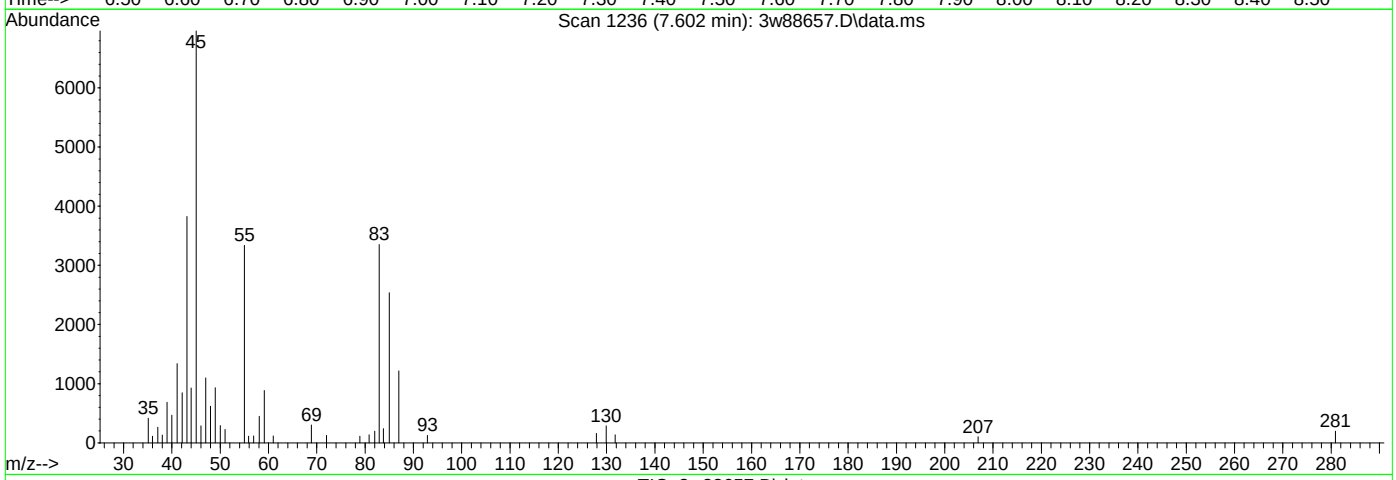
Ion	Exp%	Act%
55.00	100	100
85.00	11.60	0.00#
58.10	13.60	13.73
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88657.D
Acq On : 9 Sep 2024 4:30 am
Operator : benk
Sample : ic3499-0.2
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 10 20:22:55 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Sep 10 20:22:03 2024
Response via : Initial Calibration





TIC: 3w88657.D\data.ms

(45) METHYL ACRYLATE

7.602min (+0.061) 0.22PPBV m

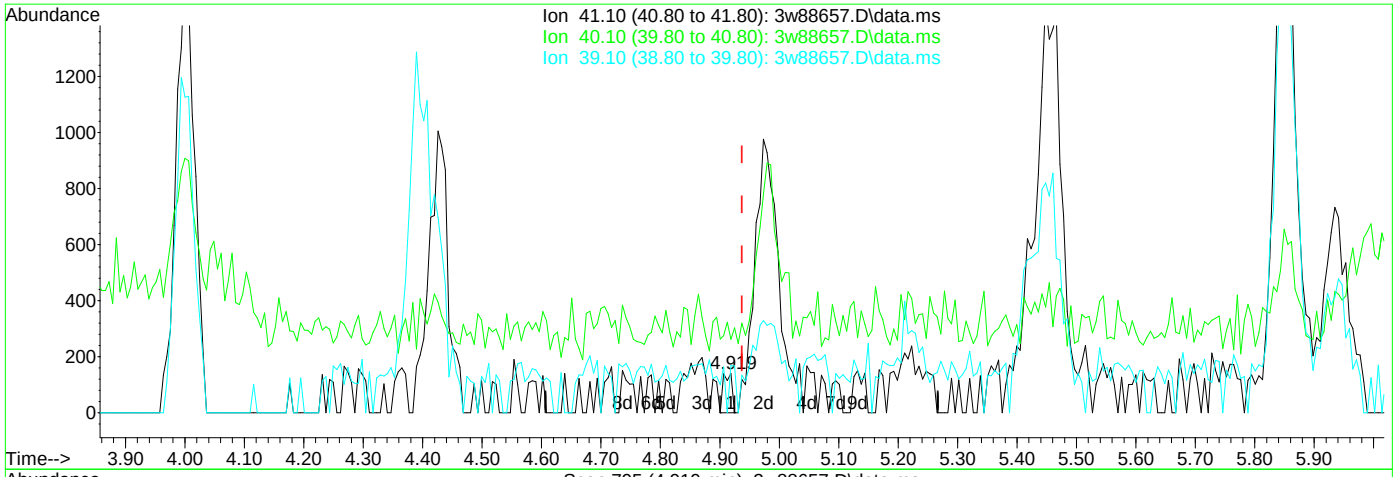
response 7389

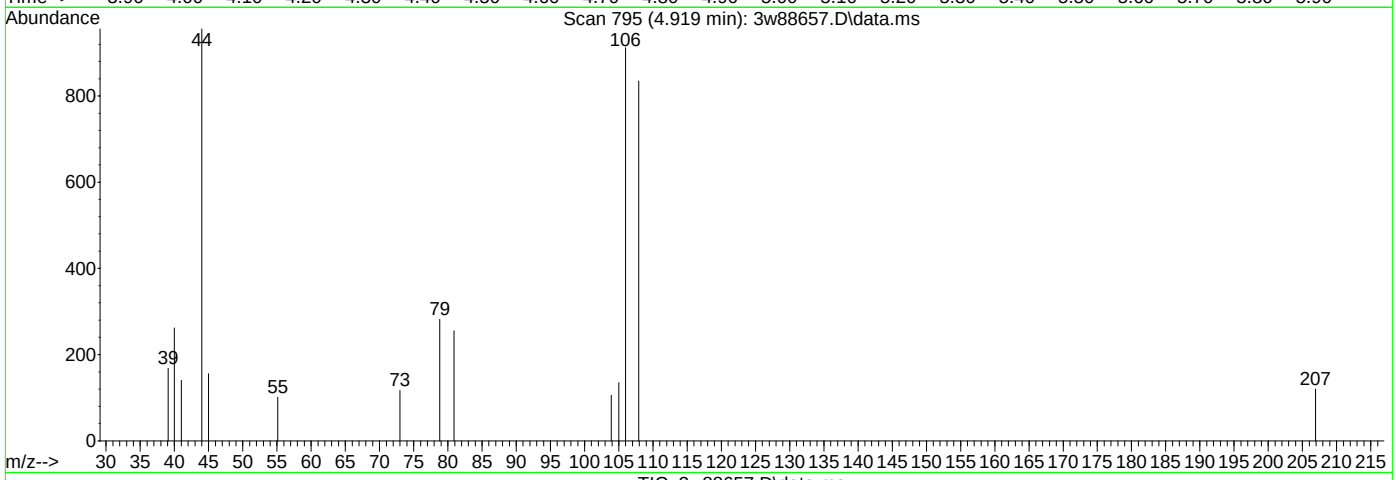
Ion	Exp%	Act%
55.00	100	100
85.00	11.60	0.00#
58.10	13.60	1.83#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88657.D
Acq On : 9 Sep 2024 4:30 am
Operator : benk
Sample : ic3499-0.2
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 10 20:23:13 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Sep 10 20:22:03 2024
Response via : Initial Calibration





TIC: 3w88657.D\data.ms

(17) ACETONITRILE

4.919min (-0.018) 0.01PPBV

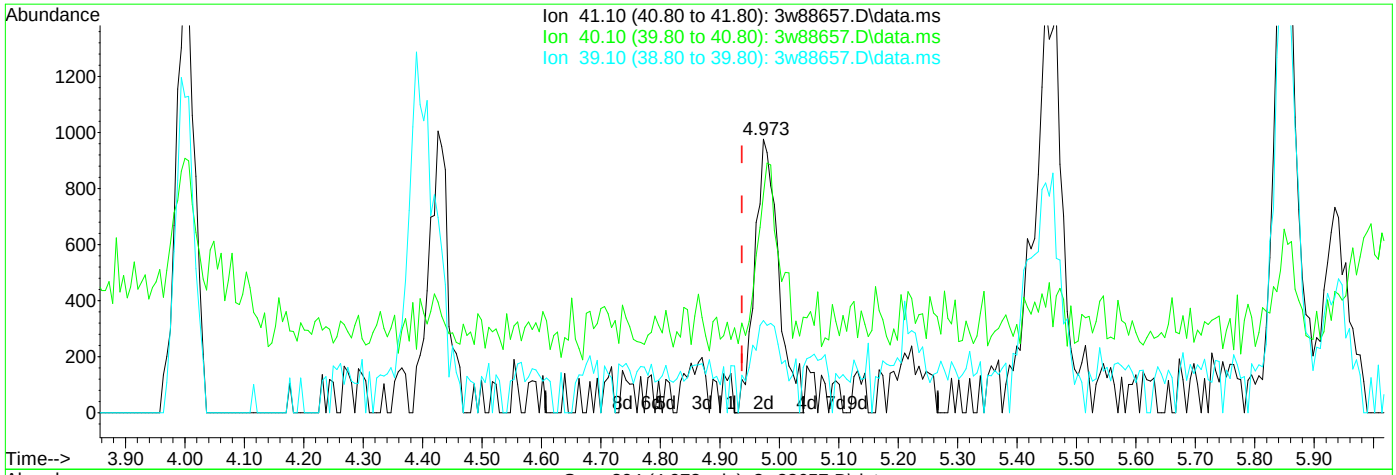
response 144

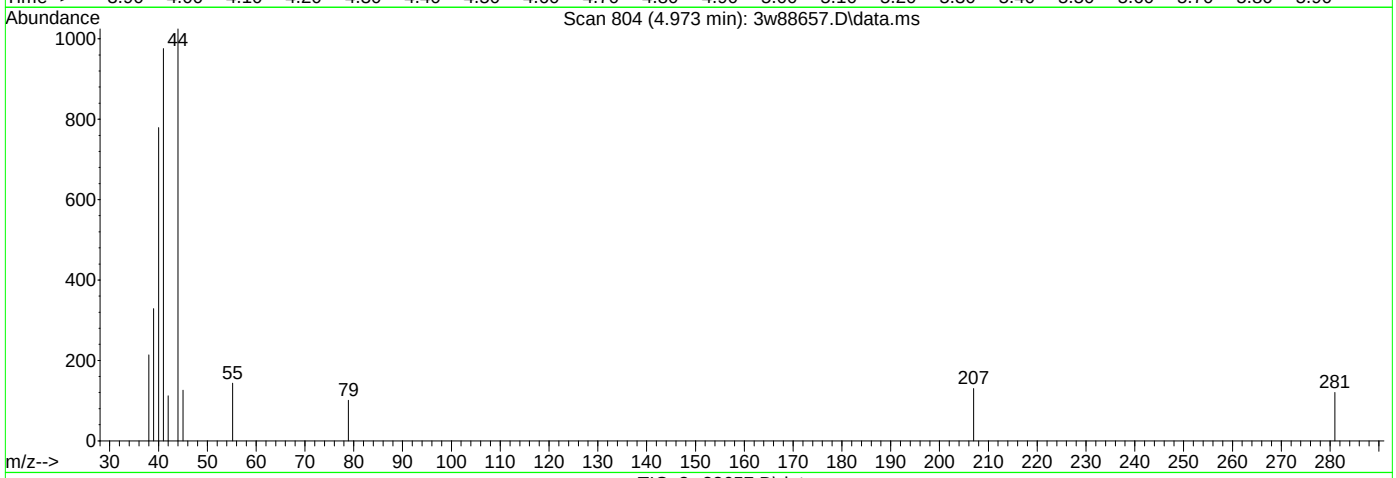
Ion	Exp%	Act%
41.10	100	100
40.10	57.50	0.00#
39.10	22.30	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88657.D
Acq On : 9 Sep 2024 4:30 am
Operator : benk
Sample : ic3499-0.2
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 10 20:23:13 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Sep 10 20:22:03 2024
Response via : Initial Calibration





TIC: 3w88657.D\data.ms

(17) ACETONITRILE

4.973min (+0.036) 0.24PPBV m

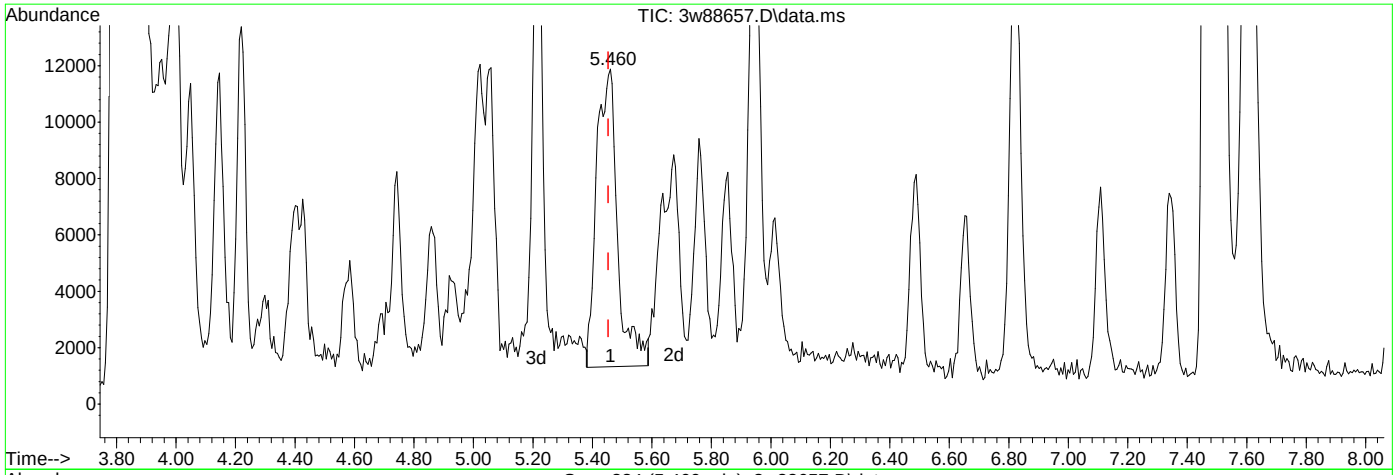
response 2721

Ion	Exp%	Act%
41.10	100	100
40.10	57.50	0.00#
39.10	22.30	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88657.D
Acq On : 9 Sep 2024 4:30 am
Operator : benk
Sample : ic3499-0.2
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 10 20:24:37 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Sep 10 20:22:03 2024
Response via : Initial Calibration



TIC: 3w88657.D\data.ms

(110) TVHC as equiv Pentane

5.460min (+0.006) 0.48PPBV

response 51900

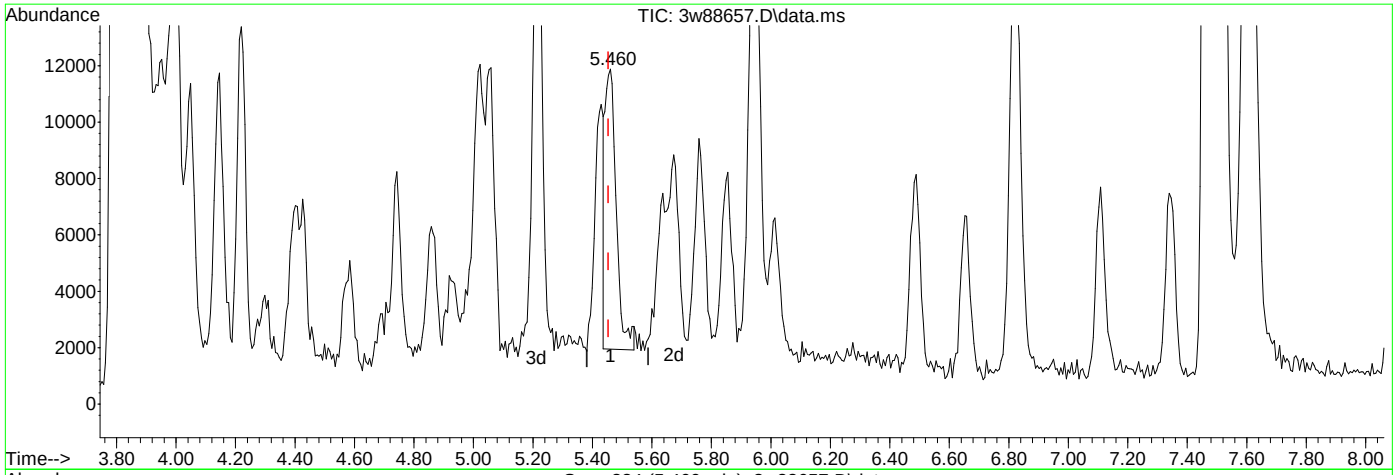
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

3W88657.D edits: TVHC as equiv Pentane

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88657.D
Acq On : 9 Sep 2024 4:30 am
Operator : benk
Sample : ic3499-0.2
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 10 20:24:37 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Sep 10 20:22:03 2024
Response via : Initial Calibration



TIC: 3w88657.D\data.ms

(110) TVHC as equiv Pentane

5.460min (+0.006) 0.24PPBV m

response 26246

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

3W88657.D edits: TVHC as equiv Pentane

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 09/11/24 15:26

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88659.D
Acq On : 9 Sep 2024 5:54 am
Operator : benk
Sample : ic3499-0.5
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 10 20:36:40 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Sep 10 20:15:13 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.486	128	100841	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.208	114	496113	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	13.484	82	270308	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.486	128	100841	10.00	PPBV	#	0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	15.145	95	337068	10.56	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 105.60%				
Target Compounds							Qvalue
2) FREON 115	3.866	119	9218	0.58	PPBV		98
3) FREON 152A	3.945	65	4618	0.51	PPBV		71
4) CHLORODIFLUOROMETHANE	3.976	67	2855	0.51	PPBV		93
5) CHLOROTRIFLUOROETHENE	4.006	116	8903	0.50	PPBV	#	98
6) DICHLORODIFLUOROMETHANE	4.049	85	26458	0.50	PPBV		99
7) PROPYLENE	3.994	41	8431	0.52	PPBV		96
8) 1-CHLORO-1,1-DIFLUOROE...	4.140	65	23305	0.51	PPBV		95
9) FREON 114	4.219	85	17874	0.52	PPBV		97
10) CHLOROMETHANE	4.158	52	2632	0.52	PPBV	#	84
11) VINYL CHLORIDE	4.298	62	6751	0.48	PPBV		98
12) 1,3-BUTADIENE	4.389	54	5542	0.51	PPBV	#	87
13) n-BUTANE	4.420	43	11101	0.53	PPBV		98
14) BROMOMETHANE	4.578	94	5717	0.51	PPBV		96
15) CHLOROETHANE	4.688	64	2868	0.48	PPBV		89
16) DICHLOROFLUOROMETHANE	4.742	67	15834	0.50	PPBV		100
17) ACETONITRILE	4.973	41	5952m	0.52	PPBV		
18) ACROLEIN	5.059	56	2823	0.50	PPBV		99
19) FREON 123	5.022	83	14647	0.51	PPBV		98
20) FREON 123A	5.059	117	8924	0.53	PPBV		96
21) TRICHLOROFLUOROMETHANE	5.217	101	25406	0.53	PPBV		97
22) ISOPROPYL ALCOHOL	5.418	45	20655	0.65	PPBV		88
23) ACETONE	5.211	58	3482	0.52	PPBV	#	74
24) PENTANE	5.460	42	9123	0.66	PPBV		89
25) IODOMETHANE	5.630	142	16538	0.53	PPBV		99
26) 1,1-DICHLOROETHYLENE	5.673	96	5434	0.50	PPBV		94
27) CARBON DISULFIDE	6.014	76	18231	0.50	PPBV		87
28) ETHANOL	4.858	45	7064	0.64	PPBV		95
29) BROMOETHENE	4.931	106	5072	0.46	PPBV		92
30) ACRYLONITRILE	5.466	52	5934	0.61	PPBV		96
31) METHYLENE CHLORIDE	5.764	84	5743	0.58	PPBV		96
32) 3-CHLOROPROPENE	5.856	76	2843	0.52	PPBV	#	77
33) FREON 113	5.947	151	11483	0.51	PPBV		98
34) TRANS-1,2-DICHLOROETHY...	6.482	96	7073	0.53	PPBV		94
35) TERTIARY BUTYL ALCOHOL	5.922	59	17476	0.50	PPBV	#	81
36) METHYL TERTIARY BUTYL ...	6.817	73	23109	0.52	PPBV		95
37) TETRAHYDROFURAN	8.076	72	2977	0.47	PPBV	#	87
38) HEXANE	7.504	57	15202	0.56	PPBV	#	74
39) VINYL ACETATE	6.811	86	1477	0.53	PPBV	#	83
40) 1,1-DICHLOROETHANE	6.653	63	17004	0.55	PPBV		99
41) METHYL ETHYL KETONE	7.103	72	3464	0.52	PPBV	#	93
42) cis-1,2-DICHLOROETHYLENE	7.340	96	7096	0.52	PPBV		96
43) DIISOPROPYL ETHER	7.602	59	4093	0.55	PPBV	#	95
44) ETHYL ACETATE	7.620	61	2603	0.51	PPBV	#	75
45) METHYL ACRYLATE	7.595	55	18399m	0.63	PPBV		
46) CHLOROFORM	7.595	83	18783	0.55	PPBV		89
47) 2,4-DIMETHYLPENTANE	8.283	57	17025	0.53	PPBV		93
48) 1,1,1-TRICHLOROETHANE	8.478	97	21076	0.53	PPBV		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88659.D
Acq On : 9 Sep 2024 5:54 am
Operator : benk
Sample : ic3499-0.5
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 10 20:36:40 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Sep 10 20:15:13 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
49)	CARBON TETRACHLORIDE	9.025	117	21721	0.50	PPBV		99
50)	1,2-DICHLOROETHANE	8.252	62	16618	0.53	PPBV		99
52)	BENZENE	8.891	78	21736	0.56	PPBV		98
53)	CYCLOHEXANE	9.141	84	9116	0.55	PPBV		96
54)	2,3-DIMETHYLPENTANE	9.354	71	4627	0.54	PPBV		94
55)	TRICHLOROETHYLENE	9.877	95	10894	0.54	PPBV		98
56)	1,2-DICHLOROPROPANE	9.658	63	9805	0.57	PPBV		97
57)	DIBROMOMETHANE	9.627	174	10623	0.55	PPBV		100
58)	ETHYL ACRYLATE	9.719	55	23093	0.53	PPBV	#	97
59)	BROMODICHLOROMETHANE	9.840	83	21464	0.53	PPBV		99
60)	2,2,4-TRIMETHYLPENTANE	9.895	57	47054	0.56	PPBV		96
61)	1,4-DIOXANE	10.029	88	5037	0.54	PPBV		95
62)	HEPTANE	10.144	43	21427	0.58	PPBV		97
63)	METHYL METHACRYLATE	10.114	69	8276	0.54	PPBV	#	1
64)	METHYL ISOBUTYL KETONE	10.850	58	8746	0.53	PPBV		92
65)	cis-1,3-DICHLOROPROPENE	10.704	75	14886	0.51	PPBV		99
66)	TOLUENE	11.678	92	14781	0.51	PPBV		99
67)	1,3-DICHLOROPROPANE	11.708	76	13989	0.54	PPBV	#	98
68)	trans-1,3-DICHLOROPROPENE	11.227	75	13502	0.45	PPBV		97
69)	1,1,2-TRICHLOROETHANE	11.398	83	8305	0.54	PPBV		96
71)	2-HEXANONE	12.030	58	11904	0.60	PPBV		91
72)	ETHYL METHACRYLATE	11.994	69	12081	0.57	PPBV		95
73)	TETRACHLOROETHYLENE	12.821	164	12077	0.65	PPBV		97
74)	DIBROMOCHLOROMETHANE	12.103	129	17923	0.59	PPBV		97
75)	1,2-DIBROMOETHANE	12.353	107	14522	0.61	PPBV		99
76)	OCTANE	12.675	43	27805	0.65	PPBV		98
77)	1,1,1,2-TETRACHLOROETHANE	13.521	131	12897	0.62	PPBV		99
78)	CHLOROBENZENE	13.533	112	20664	0.61	PPBV		99
79)	ETHYLBENZENE	13.935	91	35801	0.62	PPBV		99
80)	m,p-XYLENE	14.135	106	26018	1.22	PPBV		97
81)	o-XYLENE	14.640	106	12882	0.62	PPBV		98
82)	STYRENE	14.519	104	18848	0.56	PPBV		99
83)	NONANE	14.890	43	30092	0.64	PPBV		98
84)	BROMOFORM	14.208	173	17599	0.51	PPBV		98
86)	1,1,2,2-TETRACHLOROETHANE	14.634	83	21591	0.65	PPBV		100
87)	1,2,3-TRICHLOROPROPANE	14.780	75	18645	0.62	PPBV		99
88)	ISOPROPYLBENZENE	15.297	105	40619	0.59	PPBV		99
89)	BROMOBENZENE	15.395	77	22579	0.60	PPBV		97
90)	2-CHLOROTOLUENE	15.857	126	9049	0.56	PPBV		99
91)	n-PROPYLBENZENE	15.900	120	10439	0.57	PPBV		98
92)	4-ETHYLTOLUENE	16.082	105	39547	0.57	PPBV		99
93)	1,3,5-TRIMETHYLBENZENE	16.173	105	34660	0.58	PPBV		100
94)	ALPHA-METHYLSTYRENE	16.368	118	15083	0.52	PPBV		98
95)	tert-BUTYLBENZENE	16.654	134	7366	0.62	PPBV		96
96)	1,2,4-TRIMETHYLBENZENE	16.666	105	36204	0.60	PPBV		99
97)	m-DICHLOROBENZENE	16.843	146	25165	0.59	PPBV		100
98)	BENZYL CHLORIDE	16.824	91	32833	0.52	PPBV		98
99)	p-DICHLOROBENZENE	16.922	146	25751	0.61	PPBV		99
100)	sec-BUTYLBENZENE	16.982	134	9581	0.60	PPBV		95
101)	1,2,3-Trimethylbenzene	17.171	105	37241	0.58	PPBV		100
102)	p-ISOPROPYLTOLUENE	17.183	134	10223	0.56	PPBV		93
103)	o-DICHLOROBENZENE	17.329	146	24442	0.59	PPBV		99
104)	n-BUTYLBENZENE	17.688	134	10551	0.58	PPBV		100
105)	HEXACHLOROETHANE	18.126	117	15865	0.57	PPBV		97
106)	HEXACHLOROBUTADIENE	19.903	225	28885	0.54	PPBV		98
107)	1,2,4-TRICHLOROBENZENE	19.361	180	28225	0.55	PPBV		99
108)	NAPHTHALENE	19.489	128	48428	0.55	PPBV		98
110)	TVHC as equiv Pentane	5.460	TIC	58567m	0.61	PPBV		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88659.D
Acq On : 9 Sep 2024 5:54 am
Operator : benk
Sample : ic3499-0.5
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 10 20:36:40 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Sep 10 20:15:13 2024
Response via : Initial Calibration

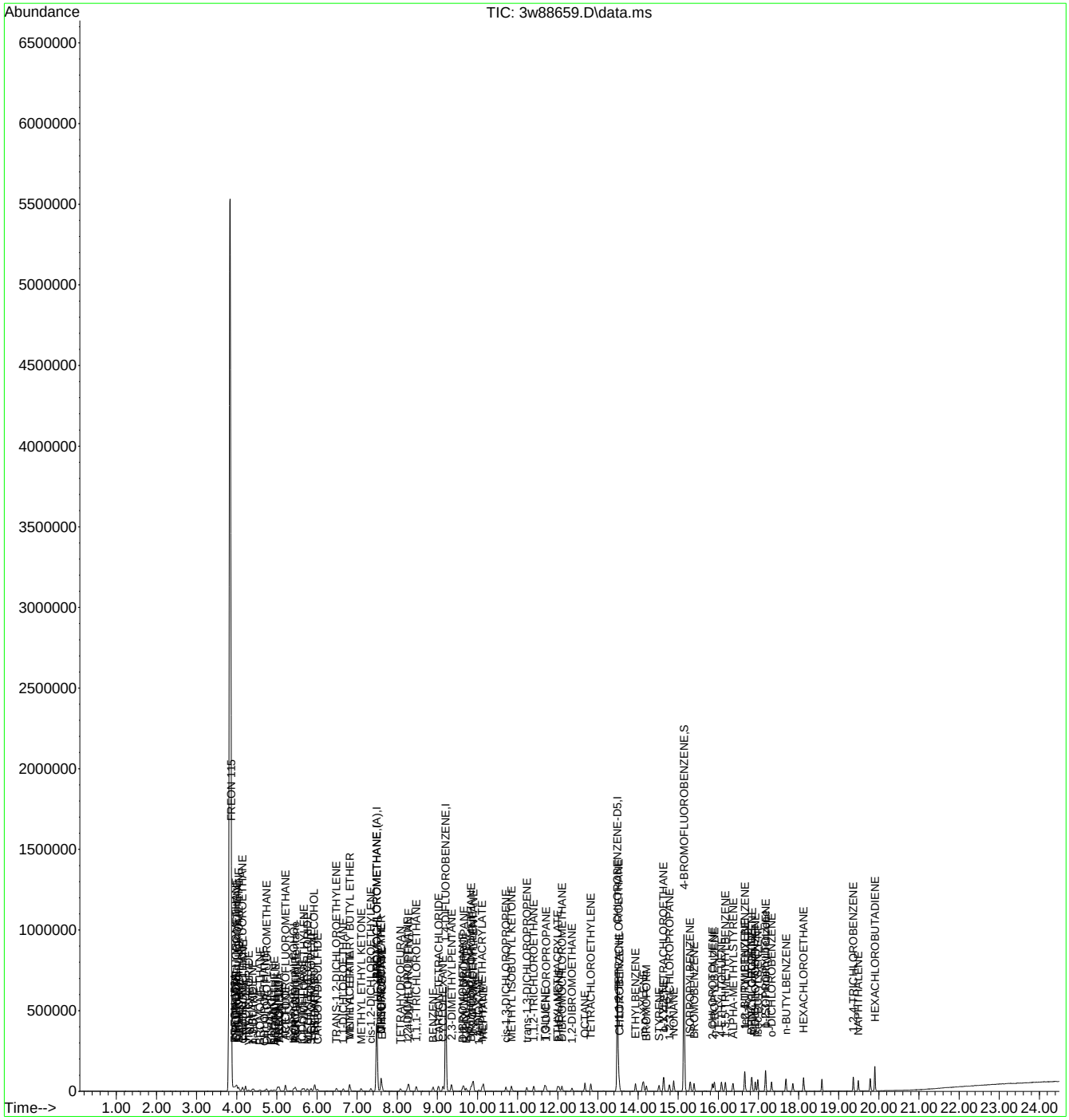
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88659.D
Acq On : 9 Sep 2024 5:54 am
Operator : benk
Sample : ic3499-0.5
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 10 20:36:40 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Sep 10 20:15:13 2024
Response via : Initial Calibration



Manual Integration Approval Summary

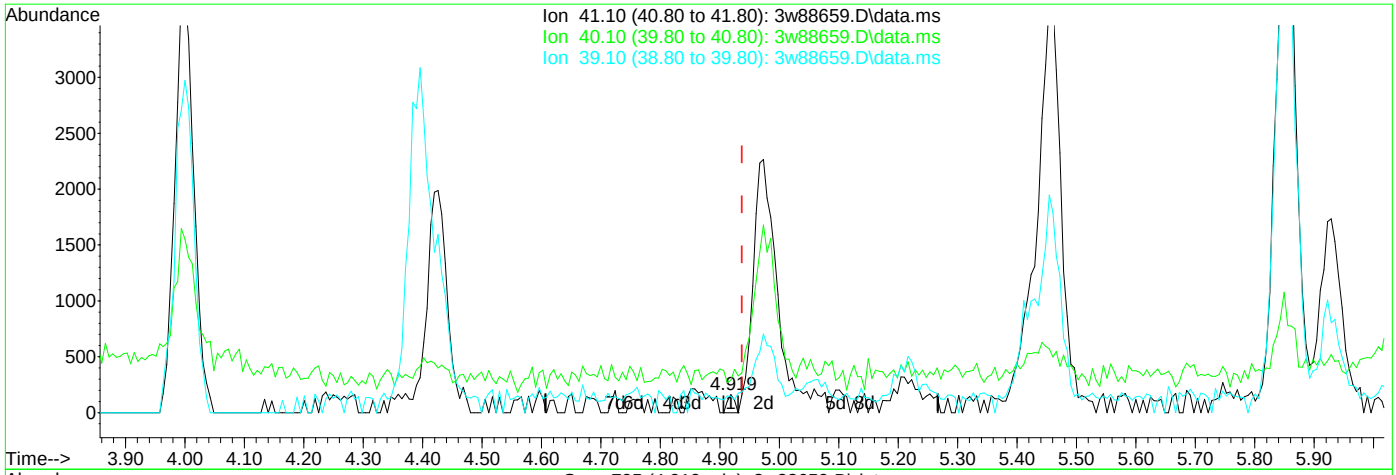
Sample Number:	V3W3499-IC3499	**Method:**	TO-15
Lab FileID:	3W88659.D	**Analyst approved:**	09/10/24 21:26 Benjamin Kim
Injection Time:	09/09/24 05:54	**Supervisor approved:**	09/11/24 15:26 Kanya Veerawat

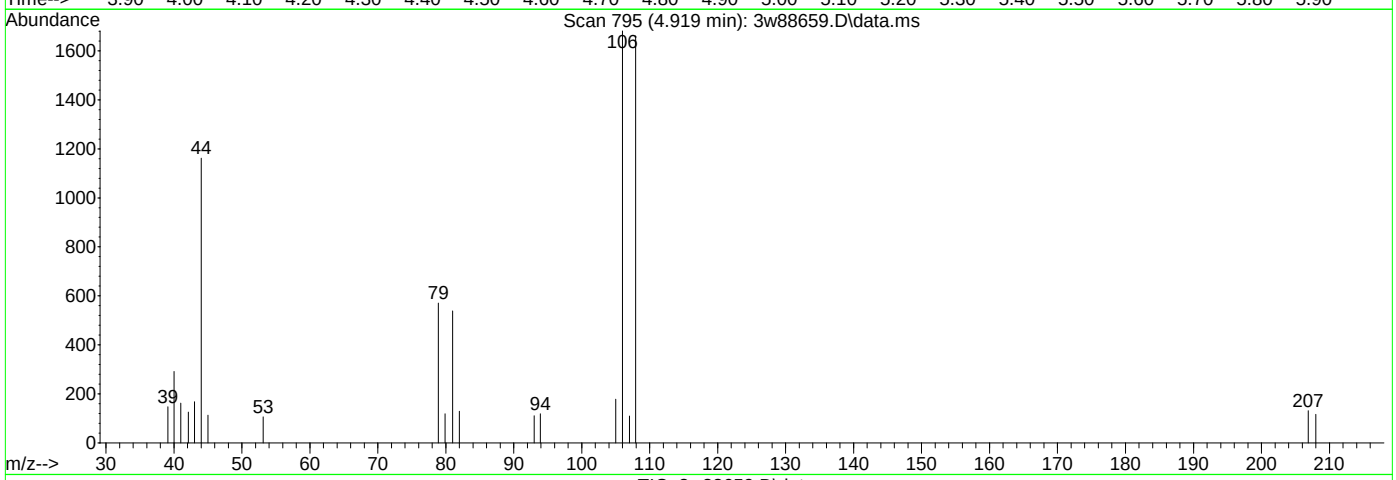
Parameter	CAS	Sig#	R.T. (min.)	Reason
Acetonitrile	75-05-8		4.97	Missed peak
TVHC As Equiv Pentane			5.46	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88659.D
Acq On : 9 Sep 2024 5:54 am
Operator : benk
Sample : ic3499-0.5
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 10 20:15:54 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Sep 10 20:15:13 2024
Response via : Initial Calibration





TIC: 3w88659.D\data.ms

(17) ACETONITRILE

4.919min (-0.018) 0.01PPBV

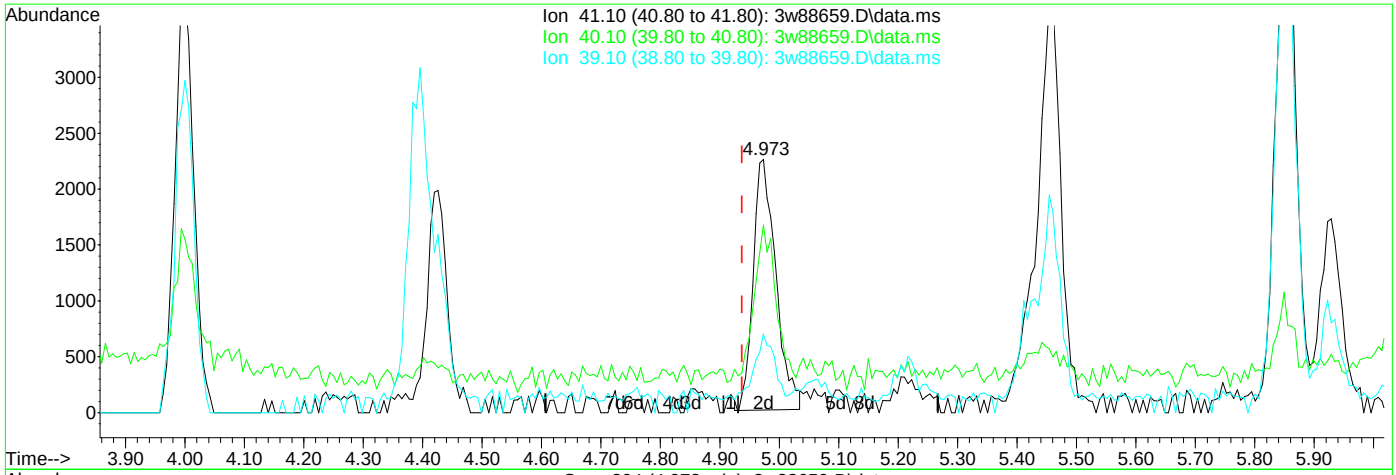
response 136

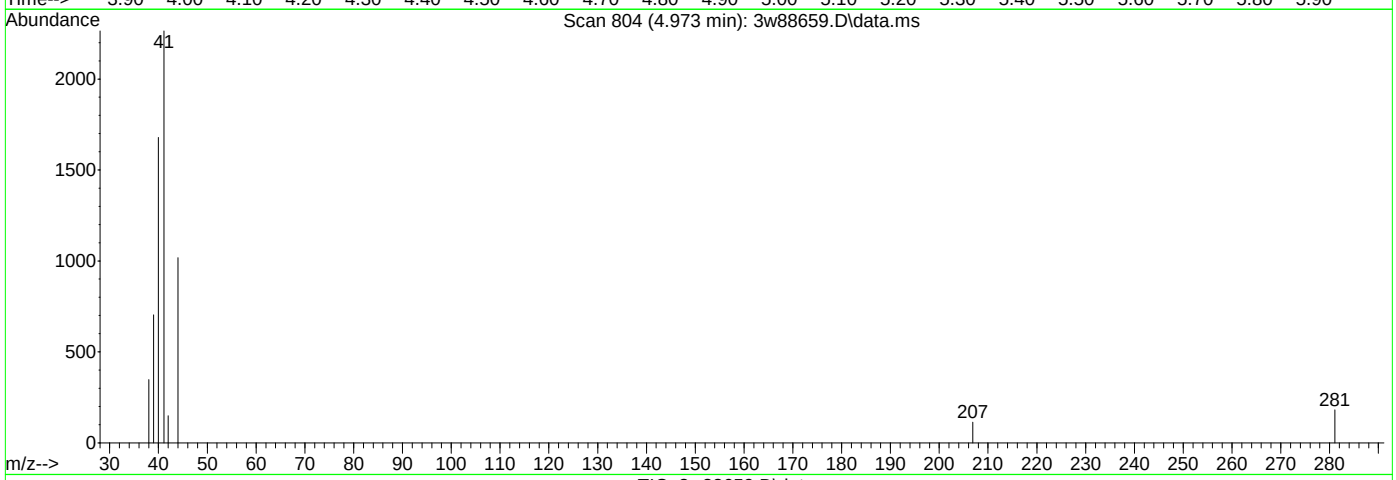
Ion	Exp%	Act%
41.10	100	100
40.10	57.50	269.85#
39.10	22.30	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88659.D
Acq On : 9 Sep 2024 5:54 am
Operator : benk
Sample : ic3499-0.5
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 10 20:15:54 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Sep 10 20:15:13 2024
Response via : Initial Calibration





TIC: 3w88659.D\data.ms

(17) ACETONITRILE

4.973min (+0.036) 0.52PPBV m

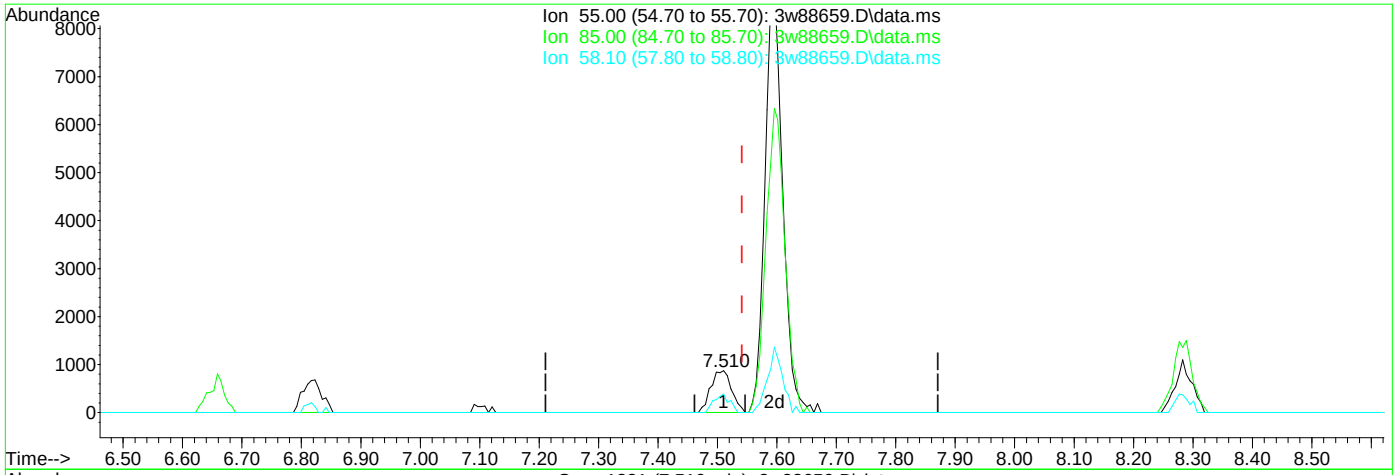
response 5952

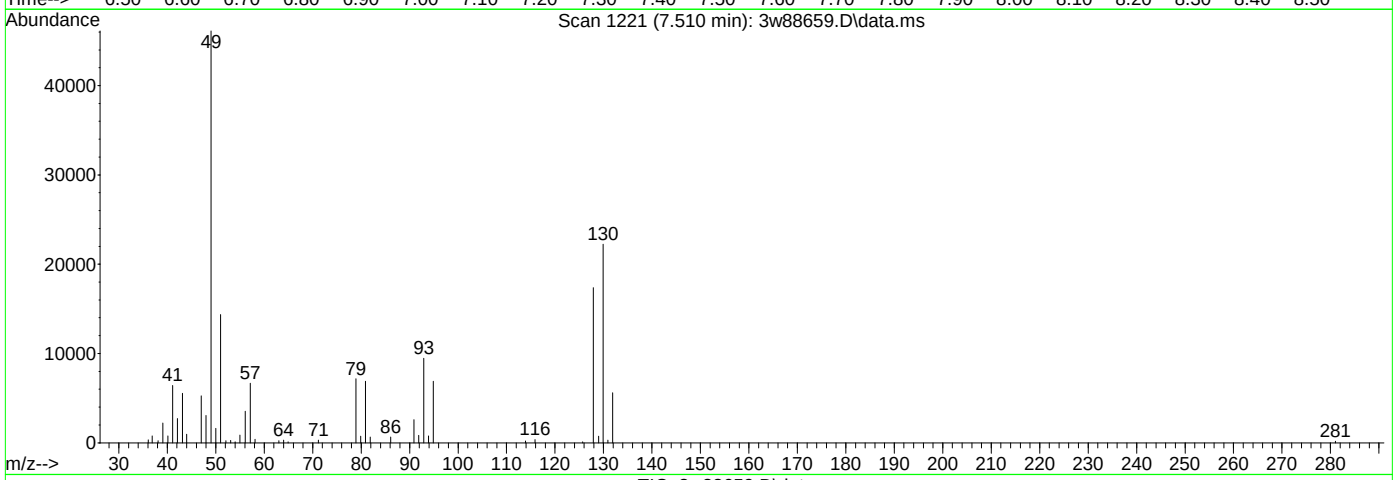
Ion	Exp%	Act%
41.10	100	100
40.10	57.50	6.17#
39.10	22.30	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88659.D
Acq On : 9 Sep 2024 5:54 am
Operator : benk
Sample : ic3499-0.5
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 10 20:20:23 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Sep 10 20:15:13 2024
Response via : Initial Calibration





TIC: 3w88659.D\data.ms

(45) METHYL ACRYLATE

7.510min (-0.031) 0.07PPBV

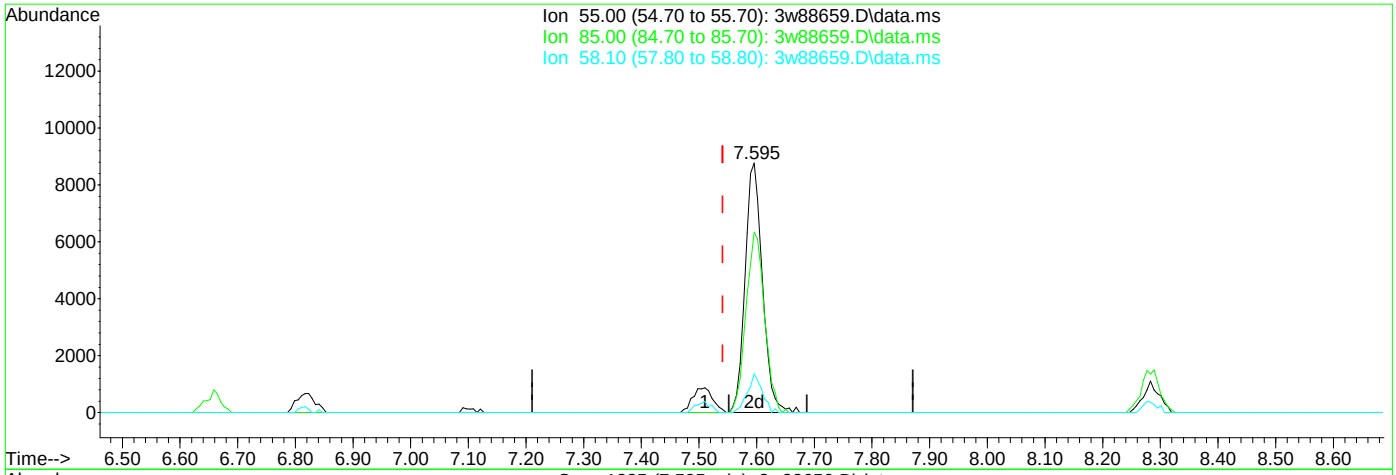
response 2119

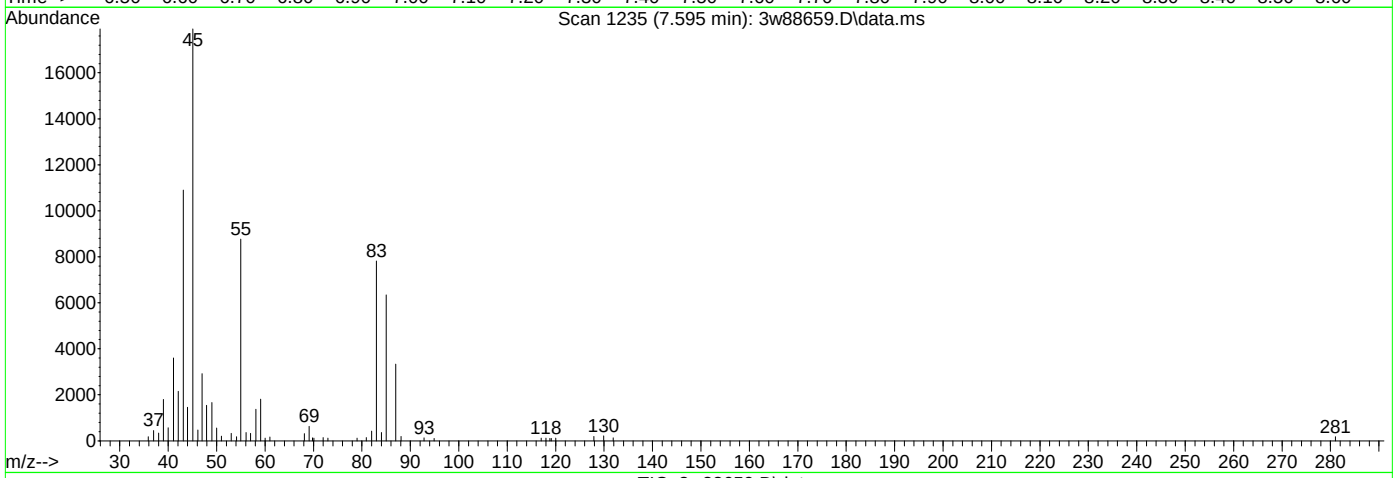
Ion	Exp%	Act%
55.00	100	100
85.00	11.60	0.00#
58.10	13.60	33.46#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88659.D
Acq On : 9 Sep 2024 5:54 am
Operator : benk
Sample : ic3499-0.5
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 10 20:20:23 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Sep 10 20:15:13 2024
Response via : Initial Calibration





TIC: 3w88659.D\data.ms

(45) METHYL ACRYLATE

7.595min (+0.054) 0.63PPBV m

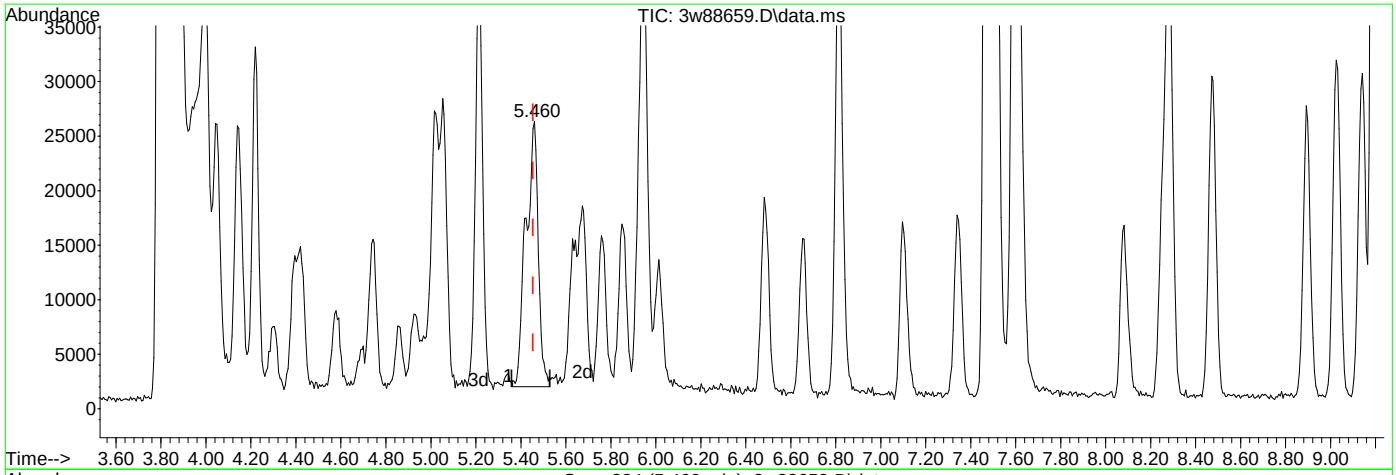
response 18399

Ion	Exp%	Act%
55.00	100	100
85.00	11.60	0.00#
58.10	13.60	3.85#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88659.D
Acq On : 9 Sep 2024 5:54 am
Operator : benk
Sample : ic3499-0.5
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 10 20:21:44 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Sep 10 20:15:13 2024
Response via : Initial Calibration



TIC: 3w88659.D\data.ms

(110) TVHC as equiv Pentane

5.460min (+0.006) 0.96PPBV m

response 92767

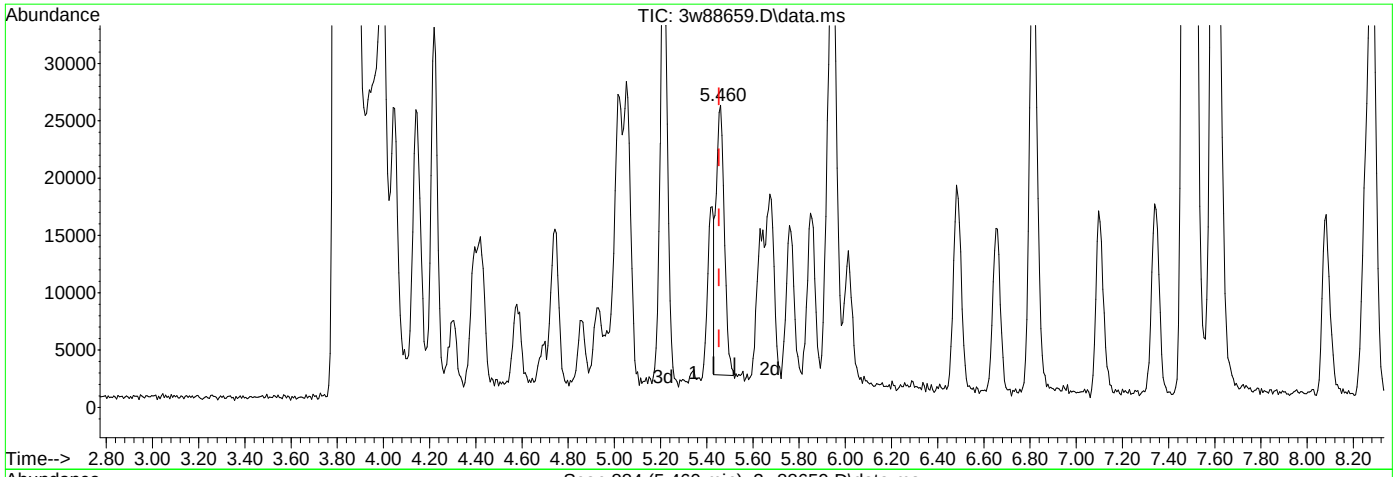
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

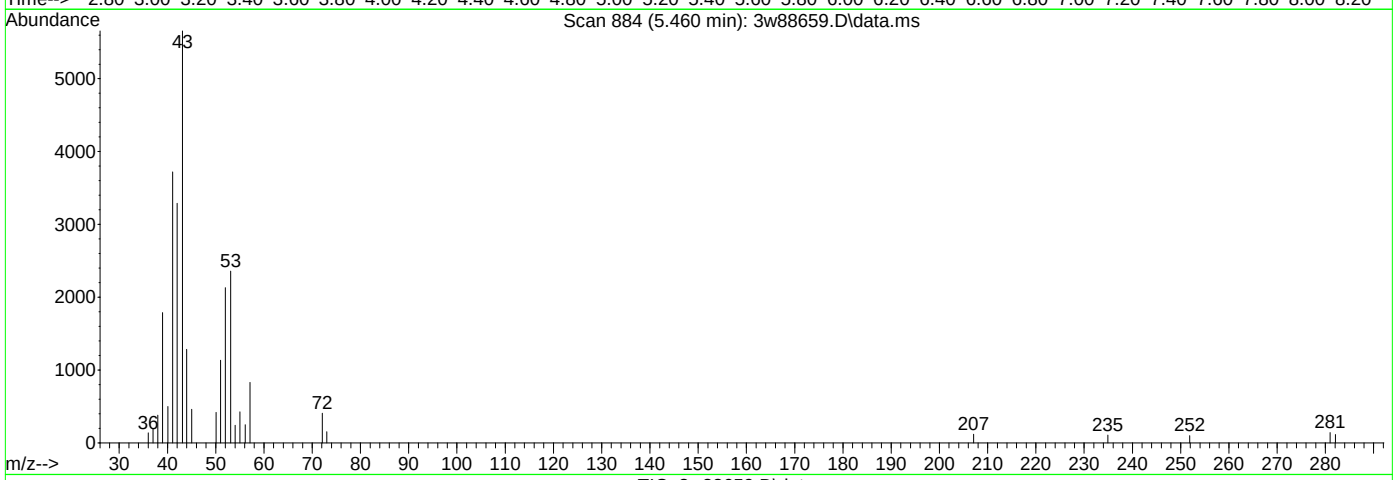
3W88659.D edits: TVHC as equiv Pentane

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88659.D
Acq On : 9 Sep 2024 5:54 am
Operator : benk
Sample : ic3499-0.5
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 10 20:21:44 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Sep 10 20:15:13 2024
Response via : Initial Calibration





TIC: 3w88659.D\data.ms

(110) TVHC as equiv Pentane

5.460min (+0.006) 0.61PPBV m

response 58567

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88661.D
Acq On : 9 Sep 2024 7:18 am
Operator : benk
Sample : ic3499-5
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 20:13:15 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Sep 10 20:12:15 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.492	128	104691	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.208	114	519097	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	13.490	82	297860	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.492	128	104691	10.00	PPBV	#	0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	15.145	95	394365	11.98	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 119.80%				
Target Compounds							Qvalue
2) FREON 115	3.866	119	98223	5.76	PPBV		100
3) FREON 152A	3.945	65	47036	4.77	PPBV		97
4) CHLORODIFLUOROMETHANE	3.976	67	29789	5.03	PPBV		96
5) CHLOROTRIFLUOROETHENE	4.000	116	93347	4.90	PPBV	#	99
6) DICHLORODIFLUOROMETHANE	4.049	85	282775	5.04	PPBV		99
7) PROPYLENE	4.000	41	91301	5.39	PPBV		99
8) 1-CHLORO-1,1-DIFLUOROE...	4.140	65	244840	5.16	PPBV		99
9) FREON 114	4.219	85	188959	5.08	PPBV		99
10) CHLOROMETHANE	4.158	52	26335	4.86	PPBV		91
11) VINYL CHLORIDE	4.304	62	69606	4.60	PPBV		99
12) 1,3-BUTADIENE	4.389	54	56560	4.90	PPBV		98
13) n-BUTANE	4.426	43	113756	5.23	PPBV		98
14) BROMOMETHANE	4.578	94	57254	4.82	PPBV		98
15) CHLOROETHANE	4.688	64	30445	4.74	PPBV		98
16) DICHLOROFLUOROMETHANE	4.742	67	165505	4.98	PPBV		100
17) ACETONITRILE	4.949	41	58134	5.06	PPBV		98
18) ACROLEIN	5.034	56	29806	5.03	PPBV		100
19) FREON 123	5.016	83	148993	4.94	PPBV		100
20) FREON 123A	5.053	117	91718	5.17	PPBV		99
21) TRICHLOROFLUOROMETHANE	5.217	101	255274	5.16	PPBV		99
22) ISOPROPYL ALCOHOL	5.369	45	168045	5.34	PPBV		98
23) ACETONE	5.156	58	32752	4.86	PPBV		98
24) PENTANE	5.460	42	75981	5.54	PPBV		98
25) IODOMETHANE	5.637	142	172079	5.21	PPBV		99
26) 1,1-DICHLOROETHYLENE	5.673	96	57204	5.02	PPBV		100
27) CARBON DISULFIDE	6.014	76	194728	5.06	PPBV		99
28) ETHANOL	4.815	45	38590	4.94	PPBV		98
29) BROMOETHENE	4.931	106	56872	4.83	PPBV		99
30) ACRYLONITRILE	5.442	52	51734	5.37	PPBV		99
31) METHYLENE CHLORIDE	5.758	84	50016	4.96	PPBV		96
32) 3-CHLOROPROPENE	5.856	76	28769	5.02	PPBV		98
33) FREON 113	5.947	151	117509	5.04	PPBV		99
34) TRANS-1,2-DICHLOROETHY...	6.488	96	72472	5.22	PPBV		99
35) TERTIARY BUTYL ALCOHOL	5.862	59	181446	4.94	PPBV	#	99
36) METHYL TERTIARY BUTYL ...	6.756	73	249068	5.38	PPBV		99
37) TETRAHYDROFURAN	8.027	72	34889	5.24	PPBV		99
38) HEXANE	7.504	57	160485	5.89	PPBV		100
39) VINYL ACETATE	6.780	86	14413	4.75	PPBV	#	80
40) 1,1-DICHLOROETHANE	6.652	63	172986	5.49	PPBV		99
41) METHYL ETHYL KETONE	7.036	72	37923	5.57	PPBV	#	94
42) cis-1,2-DICHLOROETHYLENE	7.346	96	76452	5.36	PPBV		99
43) DIISOPROPYL ETHER	7.547	59	44577	5.93	PPBV		99
44) ETHYL ACETATE	7.577	61	30799	6.03	PPBV	#	45
45) METHYL ACRYLATE	7.553	55	197112	5.61	PPBV	#	83
46) CHLOROFORM	7.602	83	193117	5.50	PPBV		90
47) 2,4-DIMETHYLPENTANE	8.283	57	187502	5.71	PPBV		99
48) 1,1,1-TRICHLOROETHANE	8.471	97	220750	5.30	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88661.D
Acq On : 9 Sep 2024 7:18 am
Operator : benk
Sample : ic3499-5
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 20:13:15 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Sep 10 20:12:15 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
49)	CARBON TETRACHLORIDE	9.031	117	237543	5.25	PPBV		99
50)	1,2-DICHLOROETHANE	8.252	62	177559	5.44	PPBV		99
52)	BENZENE	8.897	78	233459	5.91	PPBV		99
53)	CYCLOHEXANE	9.141	84	98333	5.71	PPBV		99
54)	2,3-DIMETHYLPENTANE	9.348	71	51213	5.81	PPBV		98
55)	TRICHLOROETHYLENE	9.877	95	114071	5.44	PPBV		100
56)	1,2-DICHLOROPROPANE	9.658	63	102764	5.90	PPBV		99
57)	DIBROMOMETHANE	9.633	174	107244	5.41	PPBV		99
58)	ETHYL ACRYLATE	9.688	55	260558	5.83	PPBV		100
59)	BROMODICHLOROMETHANE	9.840	83	224626	5.36	PPBV		100
60)	2,2,4-TRIMETHYLPENTANE	9.895	57	494219	5.73	PPBV		98
61)	1,4-DIOXANE	9.974	88	53056	5.46	PPBV		98
62)	HEPTANE	10.144	43	225234	6.06	PPBV		99
63)	METHYL METHACRYLATE	10.090	69	89594	5.67	PPBV		96
64)	METHYL ISOBUTYL KETONE	10.808	58	95737	5.49	PPBV		98
65)	cis-1,3-DICHLOROPROPENE	10.710	75	163565	5.34	PPBV		99
66)	TOLUENE	11.678	92	160259	5.31	PPBV		99
67)	1,3-DICHLOROPROPANE	11.702	76	141949	5.25	PPBV	#	99
68)	trans-1,3-DICHLOROPROPENE	11.227	75	158394	4.98	PPBV		99
69)	1,1,2-TRICHLOROETHANE	11.404	83	86988	5.48	PPBV		100
71)	2-HEXANONE	12.000	58	134880	6.74	PPBV		99
72)	ETHYL METHACRYLATE	11.982	69	144739	6.60	PPBV		100
73)	TETRACHLOROETHYLENE	12.827	164	124659	6.54	PPBV		99
74)	DIBROMOCHLOROMETHANE	12.103	129	200855	6.34	PPBV		99
75)	1,2-DIBROMOETHANE	12.353	107	160974	6.68	PPBV		99
76)	OCTANE	12.675	43	305842	7.13	PPBV		99
77)	1,1,1,2-TETRACHLOROETHANE	13.521	131	137506	6.41	PPBV		99
78)	CHLOROBENZENE	13.533	112	224252	6.45	PPBV		99
79)	ETHYLBENZENE	13.935	91	392620	6.60	PPBV		100
80)	m,p-XYLENE	14.123	106	283923	12.93	PPBV		100
81)	o-XYLENE	14.640	106	140673	6.61	PPBV		99
82)	STYRENE	14.519	104	230021	6.56	PPBV		100
83)	NONANE	14.890	43	344121	7.37	PPBV		99
84)	BROMOFORM	14.208	173	226502	6.15	PPBV		100
86)	1,1,2,2-TETRACHLOROETHANE	14.634	83	225497	6.75	PPBV		99
87)	1,2,3-TRICHLOROPROPANE	14.780	75	201504	6.54	PPBV		99
88)	ISOPROPYLBENZENE	15.303	105	457775	6.39	PPBV		100
89)	BROMOBENZENE	15.395	77	238789	6.15	PPBV		100
90)	2-CHLOROTOLUENE	15.851	126	105279	6.18	PPBV		100
91)	n-PROPYLBENZENE	15.900	120	120866	6.43	PPBV		100
92)	4-ETHYLTOLUENE	16.076	105	472822	6.59	PPBV		99
93)	1,3,5-TRIMETHYLBENZENE	16.173	105	401783	6.48	PPBV		100
94)	ALPHA-METHYLSTYRENE	16.368	118	187879	6.20	PPBV		100
95)	tert-BUTYLBENZENE	16.654	134	84099	6.87	PPBV		95
96)	1,2,4-TRIMETHYLBENZENE	16.666	105	413010	6.55	PPBV		99
97)	m-DICHLOROBENZENE	16.842	146	278015	6.33	PPBV		100
98)	BENZYL CHLORIDE	16.824	91	404220	6.07	PPBV		99
99)	p-DICHLOROBENZENE	16.922	146	284869	6.53	PPBV		99
100)	sec-BUTYLBENZENE	16.982	134	109677	6.60	PPBV		99
101)	1,2,3-Trimethylbenzene	17.177	105	427868	6.34	PPBV		99
102)	p-ISOPROPYLTOLUENE	17.183	134	124945	6.63	PPBV		99
103)	o-DICHLOROBENZENE	17.329	146	275580	6.45	PPBV		100
104)	n-BUTYLBENZENE	17.688	134	124224	6.53	PPBV		100
105)	HEXACHLOROETHANE	18.126	117	193743	6.62	PPBV		100
106)	HEXACHLOROBUTADIENE	19.903	225	346441	6.09	PPBV		99
107)	1,2,4-TRICHLOROBENZENE	19.361	180	351362	6.48	PPBV		99
108)	NAPHTHALENE	19.489	128	607205	6.49	PPBV		100
110)	TVHC as equiv Pentane	5.454	TIC	557693	5.60	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88661.D
Acq On : 9 Sep 2024 7:18 am
Operator : benk
Sample : ic3499-5
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 20:13:15 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Sep 10 20:12:15 2024
Response via : Initial Calibration

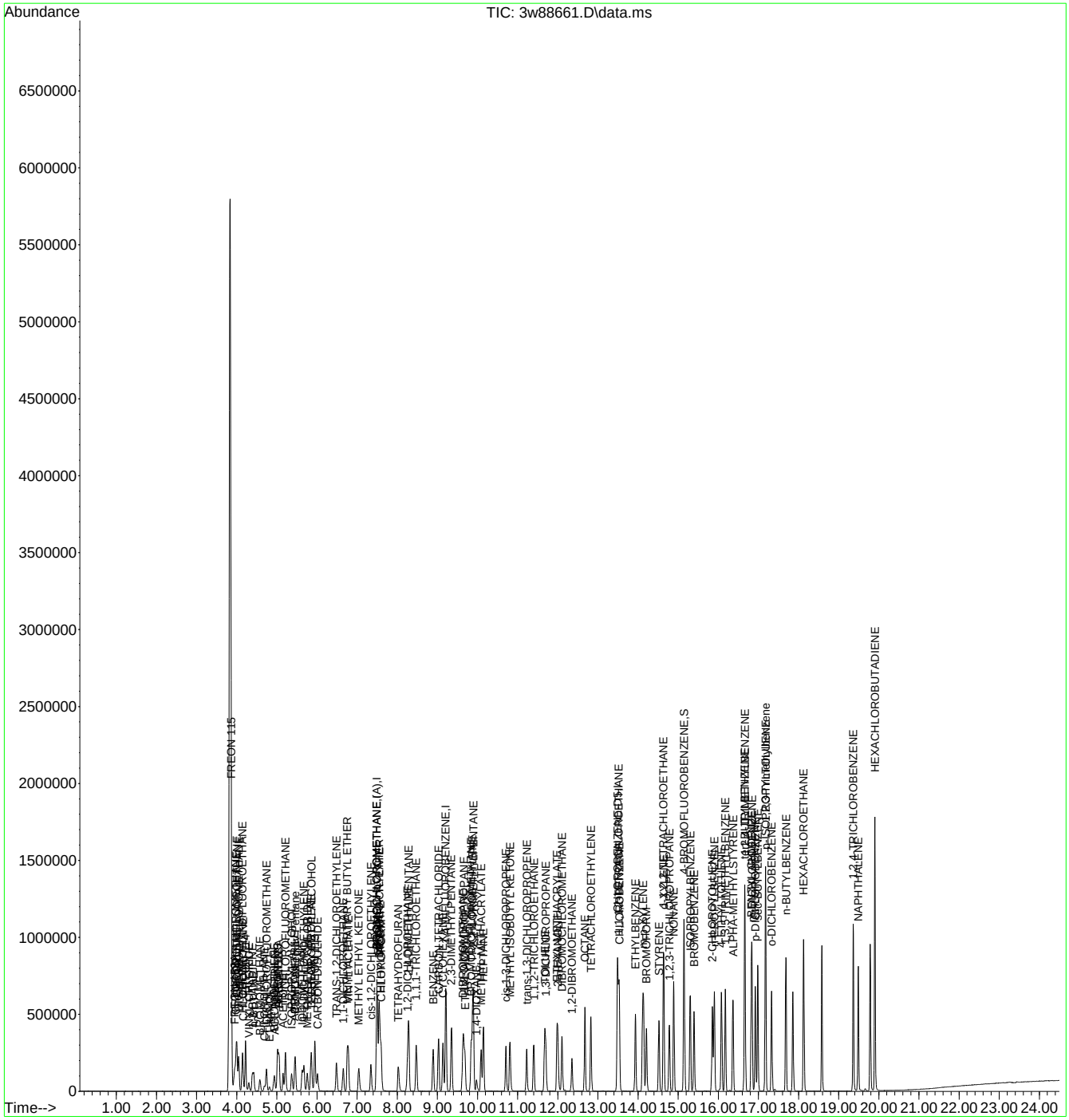
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88661.D
Acq On : 9 Sep 2024 7:18 am
Operator : benk
Sample : ic3499-5
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 20:13:15 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Sep 10 20:12:15 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88662.D
Acq On : 9 Sep 2024 7:57 am
Operator : benk
Sample : icc3499-10
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 19:22:05 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Fri Aug 30 12:29:18 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.492	128	104992	10.00	PPBV	#	0.00
51) 1,4-DIFLUOROBENZENE	9.214	114	532628	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	13.490	82	319579	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.492	128	104992	10.00	PPBV	#	0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	15.145	95	390690	9.55	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 95.50%				
Target Compounds							Qvalue
2) FREON 115	3.866	119	198107	16.84	PPBV		88
3) FREON 152A	3.945	65	98463	17.54	PPBV		94
4) CHLORODIFLUOROMETHANE	3.970	67	59618	19.84	PPBV		94
5) CHLOROTRIFLUOROETHENE	4.000	116	188084	13.37	PPBV	#	95
6) DICHLORODIFLUOROMETHANE	4.043	85	566072	18.24	PPBV		99
7) PROPYLENE	3.994	41	180818	15.55	PPBV		98
8) 1-CHLORO-1,1-DIFLUOROE...	4.140	65	491681	19.78	PPBV		96
9) FREON 114	4.219	85	383450	18.59	PPBV		88
10) CHLOROMETHANE	4.152	52	54716	16.99	PPBV		98
11) VINYL CHLORIDE	4.298	62	143342	17.12	PPBV		100
12) 1,3-BUTADIENE	4.389	54	114802	16.52	PPBV		97
13) n-BUTANE	4.420	43	225356	13.77	PPBV		98
14) BROMOMETHANE	4.578	94	114487	14.89	PPBV		98
15) CHLOROETHANE	4.687	64	62085	18.25	PPBV		96
16) DICHLOROFLUOROMETHANE	4.736	67	332381	17.39	PPBV		98
17) ACETONITRILE	4.937	41	113723	11.60	PPBV		97
18) ACROLEIN	5.022	56	59341	16.49	PPBV		99
19) FREON 123	5.016	83	298628	16.48	PPBV		99
20) FREON 123A	5.052	117	183913	16.12	PPBV	#	83
21) TRICHLOROFLUOROMETHANE	5.211	101	511610	19.28	PPBV		100
22) ISOPROPYL ALCOHOL	5.351	45	330771	13.79	PPBV		98
23) ACETONE	5.132	58	66079	12.82	PPBV		99
24) PENTANE	5.454	42	149346	13.24	PPBV		94
25) IODOMETHANE	5.630	142	346459	15.17	PPBV		83
26) 1,1-DICHLOROETHYLENE	5.673	96	115511	15.49	PPBV	#	76
27) CARBON DISULFIDE	6.014	76	390096	15.23	PPBV		96
28) ETHANOL	4.797	45	75988	10.56	PPBV		99
29) BROMOETHENE	4.925	106	114746	15.21	PPBV		95
30) ACRYLONITRILE	5.436	52	102795	13.07	PPBV		96
31) METHYLENE CHLORIDE	5.758	84	101597	14.37	PPBV		97
32) 3-CHLOROPROPENE	5.849	76	57128	17.11	PPBV	#	90
33) FREON 113	5.947	151	232463	14.41	PPBV		95
34) TRANS-1,2-DICHLOROETHY...	6.482	96	145860	14.59	PPBV	#	84
35) TERTIARY BUTYL ALCOHOL	5.825	59	353886	16.00	PPBV	#	98
36) METHYL TERTIARY BUTYL ...	6.738	73	501685	17.02	PPBV		99
37) TETRAHYDROFURAN	8.003	72	69512	16.17	PPBV		97
38) HEXANE	7.504	57	310848	16.55	PPBV		99
39) VINYL ACETATE	6.774	86	31107	17.67	PPBV	#	95
40) 1,1-DICHLOROETHANE	6.652	63	341225	16.67	PPBV		99
41) METHYL ETHYL KETONE	7.017	72	74179	16.59	PPBV		98
42) cis-1,2-DICHLOROETHYLENE	7.346	96	153423	14.85	PPBV	#	85
43) DIISOPROPYL ETHER	7.535	59	84191	17.09	PPBV		97
44) ETHYL ACETATE	7.559	61	58409	17.04	PPBV	#	97
45) METHYL ACRYLATE	7.541	55	400768	23.36	PPBV		100
46) CHLOROFORM	7.601	83	385578	17.22	PPBV		99
47) 2,4-DIMETHYLPENTANE	8.283	57	370391	16.74	PPBV		99
48) 1,1,1-TRICHLOROETHANE	8.471	97	444681	17.38	PPBV		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88662.D
Acq On : 9 Sep 2024 7:57 am
Operator : benk
Sample : icc3499-10
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 19:22:05 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Fri Aug 30 12:29:18 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
49)	CARBON TETRACHLORIDE	9.025	117	481615	17.24	PPBV		99
50)	1,2-DICHLOROETHANE	8.252	62	352859	19.70	PPBV		98
52)	BENZENE	8.891	78	458098	14.64	PPBV		96
53)	CYCLOHEXANE	9.141	84	198395	15.32	PPBV		94
54)	2,3-DIMETHYLPENTANE	9.354	71	101273	15.75	PPBV		95
55)	TRICHLOROETHYLENE	9.877	95	228827	14.64	PPBV	#	82
56)	1,2-DICHLOROPROPANE	9.658	63	198638	14.42	PPBV		93
57)	DIBROMOMETHANE	9.633	174	213840	12.96	PPBV		92
58)	ETHYL ACRYLATE	9.676	55	513672	15.68	PPBV		99
59)	BROMODICHLOROMETHANE	9.840	83	453184	16.41	PPBV		99
60)	2,2,4-TRIMETHYLPENTANE	9.895	57	1008722	15.81	PPBV		99
61)	1,4-DIOXANE	9.956	88	105998	11.09	PPBV		90
62)	HEPTANE	10.144	43	436808	14.67	PPBV		98
63)	METHYL METHACRYLATE	10.084	69	178989	15.78	PPBV		95
64)	METHYL ISOBUTYL KETONE	10.795	58	192535	15.53	PPBV		97
65)	cis-1,3-DICHLOROPROPENE	10.710	75	331511	15.94	PPBV		100
66)	TOLUENE	11.677	92	320832	13.27	PPBV		99
67)	1,3-DICHLOROPROPANE	11.702	76	287340	15.29	PPBV	#	98
68)	trans-1,3-DICHLOROPROPENE	11.227	75	324381	15.74	PPBV		98
69)	1,1,2-TRICHLOROETHANE	11.398	83	174674	15.34	PPBV		94
71)	2-HEXANONE	11.994	58	269494	12.25	PPBV		96
72)	ETHYL METHACRYLATE	11.976	69	286433	12.75	PPBV		99
73)	TETRACHLOROETHYLENE	12.827	164	251003	11.17	PPBV		95
74)	DIBROMOCHLOROMETHANE	12.109	129	411754	11.61	PPBV		100
75)	1,2-DIBROMOETHANE	12.353	107	327389	11.61	PPBV		99
76)	OCTANE	12.675	43	608188	12.43	PPBV		99
77)	1,1,1,2-TETRACHLOROETHANE	13.521	131	280516	11.26	PPBV		82
78)	CHLOROBENZENE	13.533	112	461119	10.79	PPBV		88
79)	ETHYLBENZENE	13.934	91	802746	12.11	PPBV		95
80)	m,p-XYLENE	14.135	106	577030	21.75	PPBV	#	84
81)	o-XYLENE	14.640	106	287911	11.33	PPBV	#	83
82)	STYRENE	14.525	104	473160	12.11	PPBV		94
83)	NONANE	14.890	43	680744	13.14	PPBV		98
84)	BROMOFORM	14.214	173	472867	13.62	PPBV		100
86)	1,1,2,2-TETRACHLOROETHANE	14.640	83	457867	12.57	PPBV		98
87)	1,2,3-TRICHLOROPROPANE	14.780	75	405749	13.24	PPBV		93
88)	ISOPROPYLBENZENE	15.303	105	944277	11.69	PPBV		95
89)	BROMOBENZENE	15.394	77	499555	13.08	PPBV		82
90)	2-CHLOROTOLUENE	15.857	126	215992	10.07	PPBV		99
91)	n-PROPYLBENZENE	15.899	120	246897	11.31	PPBV		97
92)	4-ETHYLTOLUENE	16.082	105	965025	12.19	PPBV		97
93)	1,3,5-TRIMETHYLBENZENE	16.173	105	836245	12.71	PPBV		93
94)	ALPHA-METHYLSTYRENE	16.368	118	387235	11.19	PPBV		96
95)	tert-BUTYLBENZENE	16.660	134	167518	11.18	PPBV	#	87
96)	1,2,4-TRIMETHYLBENZENE	16.666	105	855545	12.82	PPBV		94
97)	m-DICHLOROBENZENE	16.842	146	571379	10.88	PPBV		97
98)	BENZYL CHLORIDE	16.824	91	845981	13.68	PPBV		93
99)	p-DICHLOROBENZENE	16.928	146	587647	11.04	PPBV		97
100)	sec-BUTYLBENZENE	16.988	134	226589	11.67	PPBV	#	83
101)	1,2,3-Trimethylbenzene	17.177	105	890675	12.56	PPBV		92
102)	p-ISOPROPYLTOLUENE	17.183	134	255599	11.74	PPBV		92
103)	o-DICHLOROBENZENE	17.329	146	567046	11.22	PPBV		97
104)	n-BUTYLBENZENE	17.688	134	254159	11.52	PPBV	#	67
105)	HEXACHLOROETHANE	18.126	117	395325	13.80	PPBV		93
106)	HEXACHLOROBUTADIENE	19.902	225	725599	14.92	PPBV		99
107)	1,2,4-TRICHLOROBENZENE	19.367	180	718989	12.89	PPBV		99
108)	NAPHTHALENE	19.489	128	1246684	10.72	PPBV		100
110)	TVHC as equiv Pentane	5.454	TIC	1073318	11.86	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88662.D
Acq On : 9 Sep 2024 7:57 am
Operator : benk
Sample : icc3499-10
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 19:22:05 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Fri Aug 30 12:29:18 2024
Response via : Initial Calibration

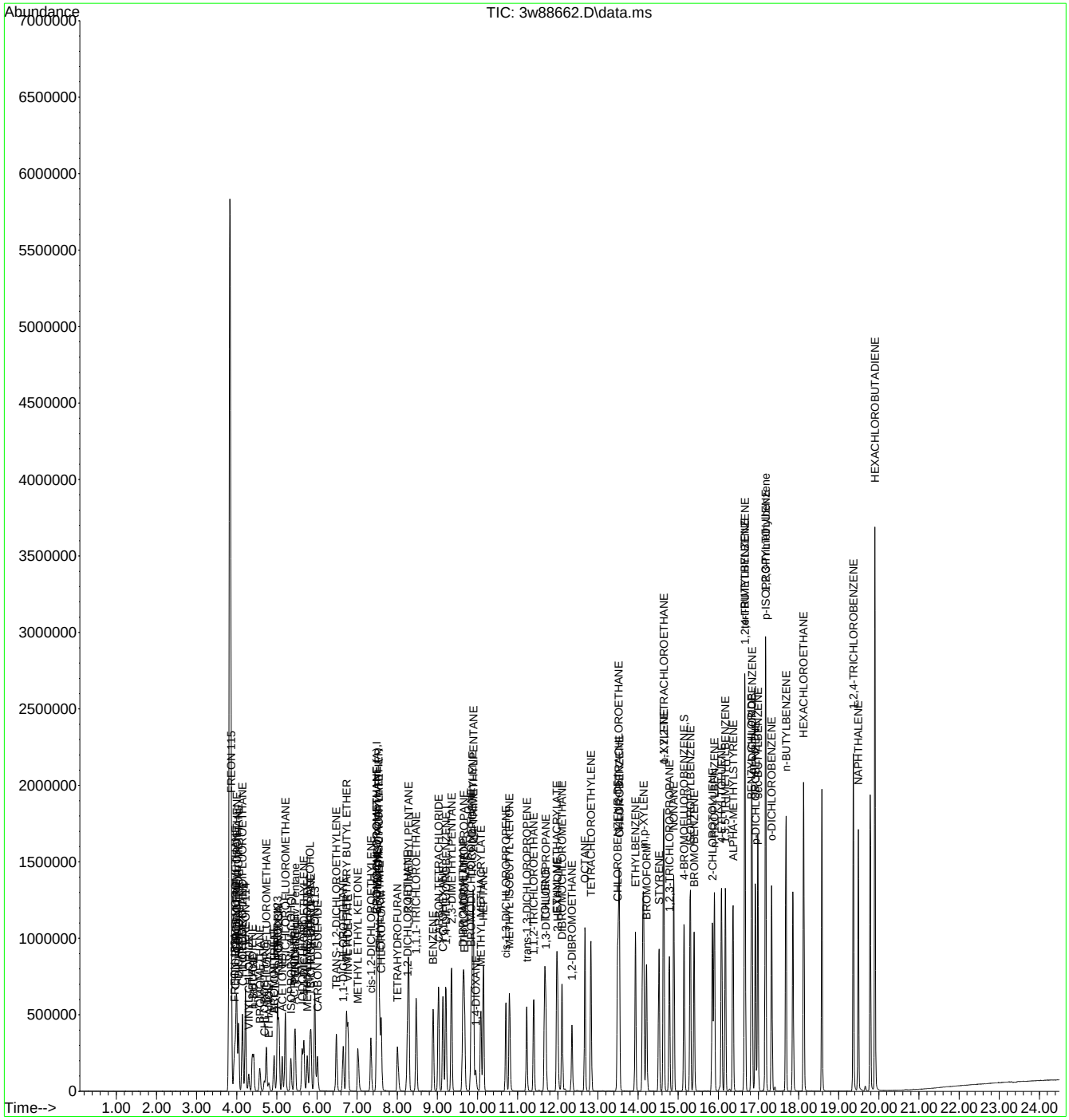
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88662.D
Acq On : 9 Sep 2024 7:57 am
Operator : benk
Sample : icc3499-10
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 19:22:05 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Fri Aug 30 12:29:18 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88663.D
Acq On : 9 Sep 2024 8:38 am
Operator : benk
Sample : ic3499-20
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 20:10:36 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Sep 10 20:10:23 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.492	128	104948	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.214	114	544279	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	13.491	82	359442	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.492	128	104948	10.00	PPBV	#	0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	15.151	95	434382	9.89	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 98.90%				
Target Compounds							Qvalue
2) FREON 115	3.866	119	415208	22.44	PPBV		100
3) FREON 152A	3.945	65	206915	22.49	PPBV		97
4) CHLORODIFLUOROMETHANE	3.976	67	124700	22.18	PPBV		97
5) CHLOROTRIFLUOROETHENE	4.000	116	389509	21.75	PPBV	#	99
6) DICHLORODIFLUOROMETHANE	4.049	85	1171802	21.95	PPBV		100
7) PROPYLENE	3.994	41	372553	22.47	PPBV		98
8) 1-CHLORO-1,1-DIFLUOROE...	4.140	65	1008900	21.76	PPBV		99
9) FREON 114	4.219	85	809009	23.22	PPBV		99
10) CHLOROMETHANE	4.158	52	112298	21.35	PPBV	#	81
11) VINYL CHLORIDE	4.304	62	306607	22.04	PPBV		99
12) 1,3-BUTADIENE	4.390	54	248687	23.41	PPBV		96
13) n-BUTANE	4.426	43	470724	22.57	PPBV		100
14) BROMOMETHANE	4.578	94	242297	22.23	PPBV		99
15) CHLOROETHANE	4.688	64	129172	21.65	PPBV		96
16) DICHLOROFLUOROMETHANE	4.736	67	691281	22.05	PPBV		99
17) ACETONITRILE	4.931	41	228735	20.32	PPBV		99
18) ACROLEIN	5.016	56	123478	21.86	PPBV		99
19) FREON 123	5.016	83	622357	22.10	PPBV		100
20) FREON 123A	5.053	117	381500	22.83	PPBV		99
21) TRICHLOROFLUOROMETHANE	5.211	101	1044886	21.66	PPBV		100
22) ISOPROPYL ALCOHOL	5.326	45	669308	21.46	PPBV		99
23) ACETONE	5.126	58	137294	21.41	PPBV		94
24) PENTANE	5.454	42	300459	21.94	PPBV		99
25) IODOMETHANE	5.631	142	714212	22.69	PPBV		99
26) 1,1-DICHLOROETHYLENE	5.673	96	239920	22.23	PPBV		97
27) CARBON DISULFIDE	6.014	76	812331	22.08	PPBV		99
28) ETHANOL	4.791	45	159414	21.41	PPBV		99
29) BROMOETHENE	4.931	106	242203	22.38	PPBV		98
30) ACRYLONITRILE	5.436	52	210295	22.51	PPBV		98
31) METHYLENE CHLORIDE	5.758	84	207280	21.43	PPBV		99
32) 3-CHLOROPROPENE	5.850	76	118182	21.73	PPBV	#	63
33) FREON 113	5.947	151	488478	22.28	PPBV		99
34) TRANS-1,2-DICHLOROETHY...	6.488	96	293264	21.12	PPBV		99
35) TERTIARY BUTYL ALCOHOL	5.789	59	726850	20.34	PPBV	#	100
36) METHYL TERTIARY BUTYL ...	6.726	73	1010754	21.77	PPBV		99
37) TETRAHYDROFURAN	7.991	72	141779	21.43	PPBV		96
38) HEXANE	7.504	57	600420	20.87	PPBV		99
39) VINYL ACETATE	6.768	86	63033	21.08	PPBV	#	50
40) 1,1-DICHLOROETHANE	6.659	63	678487	21.28	PPBV		100
41) METHYL ETHYL KETONE	7.005	72	148588	21.64	PPBV		97
42) cis-1,2-DICHLOROETHYLENE	7.346	96	305338	21.30	PPBV		99
43) DIISOPROPYL ETHER	7.529	59	164864	21.16	PPBV	#	92
44) ETHYL ACETATE	7.553	61	110239	20.39	PPBV		99
45) METHYL ACRYLATE	7.535	55	772970	20.84	PPBV		100
46) CHLOROFORM	7.608	83	755463	21.17	PPBV		100
47) 2,4-DIMETHYLPENTANE	8.283	57	720279	21.01	PPBV		100
48) 1,1,1-TRICHLOROETHANE	8.478	97	903158	21.94	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88663.D
Acq On : 9 Sep 2024 8:38 am
Operator : benk
Sample : ic3499-20
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 20:10:36 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Sep 10 20:10:23 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
49)	CARBON TETRACHLORIDE	9.031	117	987870	22.16	PPBV		100
50)	1,2-DICHLOROETHANE	8.253	62	716271	22.14	PPBV		100
52)	BENZENE	8.897	78	904319	21.25	PPBV		100
53)	CYCLOHEXANE	9.141	84	391732	21.06	PPBV		100
54)	2,3-DIMETHYLPENTANE	9.354	71	199395	20.81	PPBV		99
55)	TRICHLOROETHYLENE	9.877	95	460366	20.67	PPBV		100
56)	1,2-DICHLOROPROPANE	9.658	63	385862	19.96	PPBV		97
57)	DIBROMOMETHANE	9.640	174	436713	20.98	PPBV		99
58)	ETHYL ACRYLATE	9.670	55	1021059	20.81	PPBV		100
59)	BROMODICHLOROMETHANE	9.846	83	923712	20.94	PPBV		100
60)	2,2,4-TRIMETHYLPENTANE	9.901	57	2000166	20.96	PPBV		100
61)	1,4-DIOXANE	9.932	88	212172	20.57	PPBV	#	56
62)	HEPTANE	10.151	43	872148	21.49	PPBV		99
63)	METHYL METHACRYLATE	10.078	69	354475	21.12	PPBV		100
64)	METHYL ISOBUTYL KETONE	10.783	58	389969	21.41	PPBV		98
65)	cis-1,3-DICHLOROPROPENE	10.710	75	677458	21.40	PPBV		100
66)	TOLUENE	11.678	92	655479	21.19	PPBV		100
67)	1,3-DICHLOROPROPANE	11.708	76	590770	21.33	PPBV	#	100
68)	trans-1,3-DICHLOROPROPENE	11.227	75	669764	20.61	PPBV		99
69)	1,1,2-TRICHLOROETHANE	11.404	83	351536	21.07	PPBV		100
71)	2-HEXANONE	11.988	58	547910	19.16	PPBV		96
72)	ETHYL METHACRYLATE	11.970	69	583626	19.02	PPBV		98
73)	TETRACHLOROETHYLENE	12.827	164	527731	20.38	PPBV		99
74)	DIBROMOCHLOROMETHANE	12.110	129	841936	19.09	PPBV		99
75)	1,2-DIBROMOETHANE	12.359	107	673050	20.11	PPBV		99
76)	OCTANE	12.681	43	1228995	19.58	PPBV		98
77)	1,1,1,2-TETRACHLOROETHANE	13.521	131	592660	20.29	PPBV		100
78)	CHLOROBENZENE	13.539	112	957754	19.94	PPBV		99
79)	ETHYLBENZENE	13.941	91	1659178	20.21	PPBV		100
80)	m,p-XYLENE	14.135	106	1199587	39.55	PPBV		98
81)	o-XYLENE	14.640	106	596943	20.09	PPBV		98
82)	STYRENE	14.525	104	985408	20.37	PPBV		99
83)	NONANE	14.896	43	1355828	19.30	PPBV		99
84)	BROMOFORM	14.214	173	1003316	20.19	PPBV		99
86)	1,1,2,2-TETRACHLOROETHANE	14.640	83	944421	19.99	PPBV		100
87)	1,2,3-TRICHLOROPROPANE	14.780	75	843122	19.58	PPBV		99
88)	ISOPROPYLBENZENE	15.303	105	1958115	19.54	PPBV		100
89)	BROMOBENZENE	15.401	77	1029459	19.05	PPBV		99
90)	2-CHLOROTOLUENE	15.857	126	450733	19.11	PPBV		99
91)	n-PROPYLBENZENE	15.906	120	509839	19.46	PPBV		100
92)	4-ETHYLTOLUENE	16.082	105	2010347	20.19	PPBV		99
93)	1,3,5-TRIMETHYLBENZENE	16.179	105	1722422	19.96	PPBV		100
94)	ALPHA-METHYLSTYRENE	16.368	118	804457	19.21	PPBV		100
95)	tert-BUTYLBENZENE	16.660	134	346472	20.23	PPBV		100
96)	1,2,4-TRIMETHYLBENZENE	16.672	105	1771157	20.25	PPBV		100
97)	m-DICHLOROBENZENE	16.849	146	1177999	19.06	PPBV		100
98)	BENZYL CHLORIDE	16.830	91	1779881	19.45	PPBV		100
99)	p-DICHLOROBENZENE	16.928	146	1224457	20.19	PPBV		100
100)	sec-BUTYLBENZENE	16.989	134	466513	19.95	PPBV		99
101)	1,2,3-Trimethylbenzene	17.177	105	1850178	19.76	PPBV		99
102)	p-ISOPROPYLTOLUENE	17.183	134	524676	19.71	PPBV		99
103)	o-DICHLOROBENZENE	17.335	146	1171615	19.66	PPBV		100
104)	n-BUTYLBENZENE	17.688	134	526404	19.89	PPBV		99
105)	HEXACHLOROETHANE	18.126	117	826705	20.45	PPBV		99
106)	HEXACHLOROBUTADIENE	19.903	225	1554241	20.57	PPBV		99
107)	1,2,4-TRICHLOROBENZENE	19.367	180	1507315	20.32	PPBV		100
108)	NAPHTHALENE	19.489	128	2593518	20.16	PPBV		100
110)	TVHC as equiv Pentane	5.454	TIC	2206032	22.41	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88663.D
Acq On : 9 Sep 2024 8:38 am
Operator : benk
Sample : ic3499-20
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 20:10:36 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Sep 10 20:10:23 2024
Response via : Initial Calibration

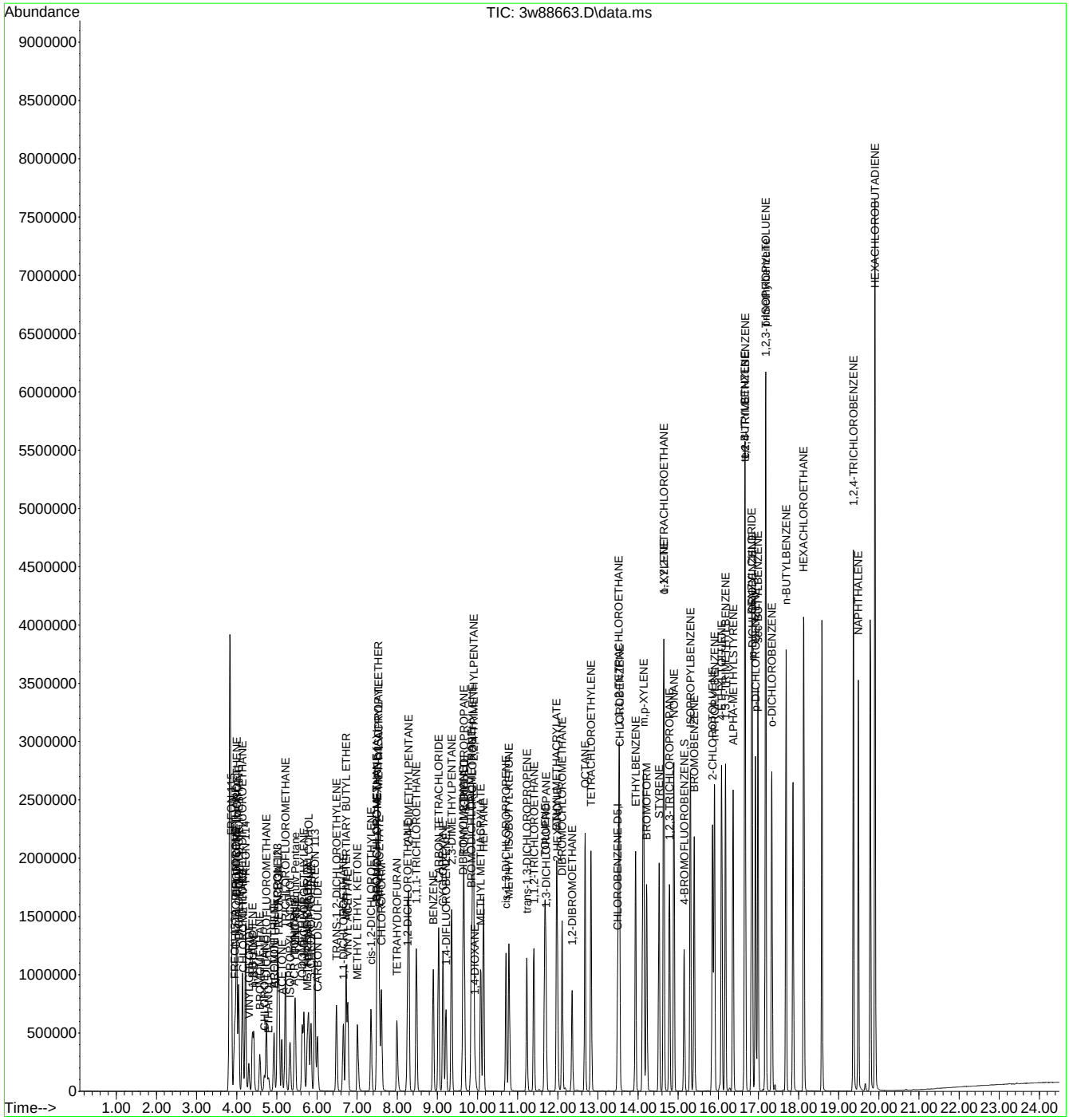
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88663.D
Acq On : 9 Sep 2024 8:38 am
Operator : benk
Sample : ic3499-20
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 20:10:36 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Sep 10 20:10:23 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88664.D
Acq On : 9 Sep 2024 9:22 am
Operator : benk
Sample : ic3499-40
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 20:11:15 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Sep 10 20:11:03 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.498	128	107057	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.220	114	556434	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	13.496	82	430828	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.498	128	107057	10.00	PPBV	#	0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	15.151	95	435716	8.32	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 83.20%				
Target Compounds							Qvalue
2) FREON 115	3.866	119	748280	38.70	PPBV		100
3) FREON 152A	3.945	65	433404	45.04	PPBV		95
4) CHLORODIFLUOROMETHANE	3.976	67	257569	43.90	PPBV		96
5) CHLOROTRIFLUOROETHENE	4.000	116	825224	44.38	PPBV	#	99
6) DICHLORODIFLUOROMETHANE	4.049	85	2442167	44.07	PPBV		99
7) PROPYLENE	3.994	41	742811	43.25	PPBV		99
8) 1-CHLORO-1,1-DIFLUOROE...	4.140	65	2080430	43.41	PPBV		99
9) FREON 114	4.219	85	1709255	46.79	PPBV		99
10) CHLOROMETHANE	4.158	52	233356	42.93	PPBV	#	83
11) VINYL CHLORIDE	4.304	62	655855	44.66	PPBV		100
12) 1,3-BUTADIENE	4.389	54	522392	46.26	PPBV		95
13) n-BUTANE	4.426	43	972257	44.69	PPBV		99
14) BROMOMETHANE	4.578	94	527306	46.08	PPBV		99
15) CHLOROETHANE	4.687	64	280711	45.20	PPBV		98
16) DICHLOROFLUOROMETHANE	4.736	67	1473513	45.17	PPBV		99
17) ACETONITRILE	4.925	41	478902	41.59	PPBV		97
18) ACROLEIN	5.016	56	260853	44.36	PPBV		98
19) FREON 123	5.016	83	1336863	45.57	PPBV		100
20) FREON 123A	5.053	117	818095	47.10	PPBV		98
21) TRICHLOROFLUOROMETHANE	5.211	101	2168254	43.59	PPBV		100
22) ISOPROPYL ALCOHOL	5.308	45	1367106	42.71	PPBV		100
23) ACETONE	5.113	58	288575	43.26	PPBV	#	90
24) PENTANE	5.454	42	611654	43.64	PPBV		100
25) IODOMETHANE	5.630	142	1515424	46.46	PPBV		97
26) 1,1-DICHLOROETHYLENE	5.673	96	507449	45.22	PPBV		95
27) CARBON DISULFIDE	6.014	76	1688266	44.07	PPBV		97
28) ETHANOL	4.791	45	329343	42.31	PPBV		99
29) BROMOETHENE	4.925	106	526337	46.39	PPBV		98
30) ACRYLONITRILE	5.436	52	435754	45.20	PPBV		98
31) METHYLENE CHLORIDE	5.764	84	438526	44.00	PPBV		94
32) 3-CHLOROPROPENE	5.849	76	251274	44.52	PPBV	#	55
33) FREON 113	5.947	151	1025271	44.71	PPBV		100
34) TRANS-1,2-DICHLOROETHY...	6.488	96	592122	41.68	PPBV		100
35) TERTIARY BUTYL ALCOHOL	5.770	59	1508111	40.82	PPBV	#	100
36) METHYL TERTIARY BUTYL ...	6.719	73	2025616	42.60	PPBV		98
37) TETRAHYDROFURAN	7.985	72	284178	41.68	PPBV	#	92
38) HEXANE	7.510	57	1161748	40.27	PPBV		99
39) VINYL ACETATE	6.768	86	128653	41.90	PPBV	#	42
40) 1,1-DICHLOROETHANE	6.659	63	1370369	42.26	PPBV		100
41) METHYL ETHYL KETONE	7.005	72	296544	42.30	PPBV	#	89
42) cis-1,2-DICHLOROETHYLENE	7.352	96	618874	42.42	PPBV		100
43) DIISOPROPYL ETHER	7.522	59	323226	41.08	PPBV	#	81
44) ETHYL ACETATE	7.547	61	219263	40.90	PPBV	#	87
45) METHYL ACRYLATE	7.535	55	1503470	40.45	PPBV		100
46) CHLOROFORM	7.614	83	1528079	42.40	PPBV		99
47) 2,4-DIMETHYLPENTANE	8.289	57	1408484	40.83	PPBV		99
48) 1,1,1-TRICHLOROETHANE	8.478	97	1845115	43.60	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88664.D
Acq On : 9 Sep 2024 9:22 am
Operator : benk
Sample : ic3499-40
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 20:11:15 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Sep 10 20:11:03 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
49)	CARBON TETRACHLORIDE	9.031	117	2009272	43.62	PPBV		100
50)	1,2-DICHLOROETHANE	8.259	62	1461043	43.92	PPBV		100
52)	BENZENE	8.897	78	1833666	42.88	PPBV		99
53)	CYCLOHEXANE	9.147	84	796839	42.63	PPBV		99
54)	2,3-DIMETHYLPENTANE	9.360	71	400548	41.65	PPBV		98
55)	TRICHLOROETHYLENE	9.883	95	939817	41.60	PPBV		100
56)	1,2-DICHLOROPROPANE	9.664	63	765469	39.71	PPBV		95
57)	DIBROMOMETHANE	9.640	174	891183	41.90	PPBV		99
58)	ETHYL ACRYLATE	9.670	55	2020374	40.84	PPBV		99
59)	BROMODICHLOROMETHANE	9.852	83	1873022	41.60	PPBV		100
60)	2,2,4-TRIMETHYLPENTANE	9.901	57	3899926	40.57	PPBV		99
61)	1,4-DIOXANE	9.919	88	437610	41.93	PPBV	#	1
62)	HEPTANE	10.157	43	1733888	42.28	PPBV		96
63)	METHYL METHACRYLATE	10.078	69	743491	44.02	PPBV		97
64)	METHYL ISOBUTYL KETONE	10.777	58	817950	44.12	PPBV		93
65)	cis-1,3-DICHLOROPROPENE	10.716	75	1422804	43.96	PPBV		98
66)	TOLUENE	11.684	92	1395095	44.13	PPBV		99
67)	1,3-DICHLOROPROPANE	11.708	76	1249787	44.00	PPBV	#	100
68)	trans-1,3-DICHLOROPROPENE	11.233	75	1420488	42.54	PPBV		97
69)	1,1,2-TRICHLOROETHANE	11.410	83	728194	43.03	PPBV		99
71)	2-HEXANONE	11.982	58	1108747	33.98	PPBV		91
72)	ETHYL METHACRYLATE	11.970	69	1218696	34.78	PPBV		93
73)	TETRACHLOROETHYLENE	12.833	164	1123017	37.40	PPBV		99
74)	DIBROMOCHLOROMETHANE	12.116	129	1784091	35.36	PPBV		99
75)	1,2-DIBROMOETHANE	12.365	107	1412218	36.78	PPBV		100
76)	OCTANE	12.687	43	2391946	33.50	PPBV		95
77)	1,1,1,2-TETRACHLOROETHANE	13.527	131	1245964	36.70	PPBV		99
78)	CHLOROBENZENE	13.545	112	1998437	36.10	PPBV		99
79)	ETHYLBENZENE	13.941	91	3496654	37.05	PPBV		100
80)	m,p-XYLENE	14.141	106	2498745	71.45	PPBV		97
81)	o-XYLENE	14.646	106	1222281	35.72	PPBV		98
82)	STYRENE	14.531	104	2049235	36.70	PPBV		98
83)	NONANE	14.896	43	2560065	32.25	PPBV		96
84)	BROMOFORM	14.220	173	2143865	37.04	PPBV		99
86)	1,1,2,2-TETRACHLOROETHANE	14.646	83	1904525	35.09	PPBV		100
87)	1,2,3-TRICHLOROPROPANE	14.786	75	1723239	34.72	PPBV		99
88)	ISOPROPYLBENZENE	15.309	105	3993700	34.61	PPBV		99
89)	BROMOBENZENE	15.407	77	2153073	34.71	PPBV		99
90)	2-CHLOROTOLUENE	15.857	126	929548	34.11	PPBV		99
91)	n-PROPYLBENZENE	15.906	120	1056676	35.09	PPBV		99
92)	4-ETHYLTOLUENE	16.088	105	4154202	36.14	PPBV		100
93)	1,3,5-TRIMETHYLBENZENE	16.185	105	3585304	36.19	PPBV		100
94)	ALPHA-METHYLSTYRENE	16.374	118	1678920	34.78	PPBV		99
95)	tert-BUTYLBENZENE	16.666	134	710895	36.08	PPBV		100
96)	1,2,4-TRIMETHYLBENZENE	16.678	105	3700836	36.76	PPBV		99
97)	m-DICHLOROBENZENE	16.855	146	2407382	33.92	PPBV		99
98)	BENZYL CHLORIDE	16.836	91	3704990	34.92	PPBV		99
99)	p-DICHLOROBENZENE	16.934	146	2516911	35.96	PPBV		99
100)	sec-BUTYLBENZENE	16.995	134	955050	35.59	PPBV		97
101)	1,2,3-Trimethylbenzene	17.183	105	3847812	35.65	PPBV		98
102)	p-ISOPROPYLTOLUENE	17.189	134	1064916	34.90	PPBV		98
103)	o-DICHLOROBENZENE	17.341	146	2420103	35.31	PPBV		99
104)	n-BUTYLBENZENE	17.694	134	1088915	35.74	PPBV		99
105)	HEXACHLOROETHANE	18.132	117	1714485	36.68	PPBV		98
106)	HEXACHLOROBUTADIENE	19.909	225	3364930	38.06	PPBV		99
107)	1,2,4-TRICHLOROBENZENE	19.373	180	3165975	36.86	PPBV		99
108)	NAPHTHALENE	19.495	128	5461064	36.80	PPBV		99
110)	TVHC as equiv Pentane	5.454	TIC	4397937	43.19	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88664.D
Acq On : 9 Sep 2024 9:22 am
Operator : benk
Sample : ic3499-40
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 20:11:15 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Sep 10 20:11:03 2024
Response via : Initial Calibration

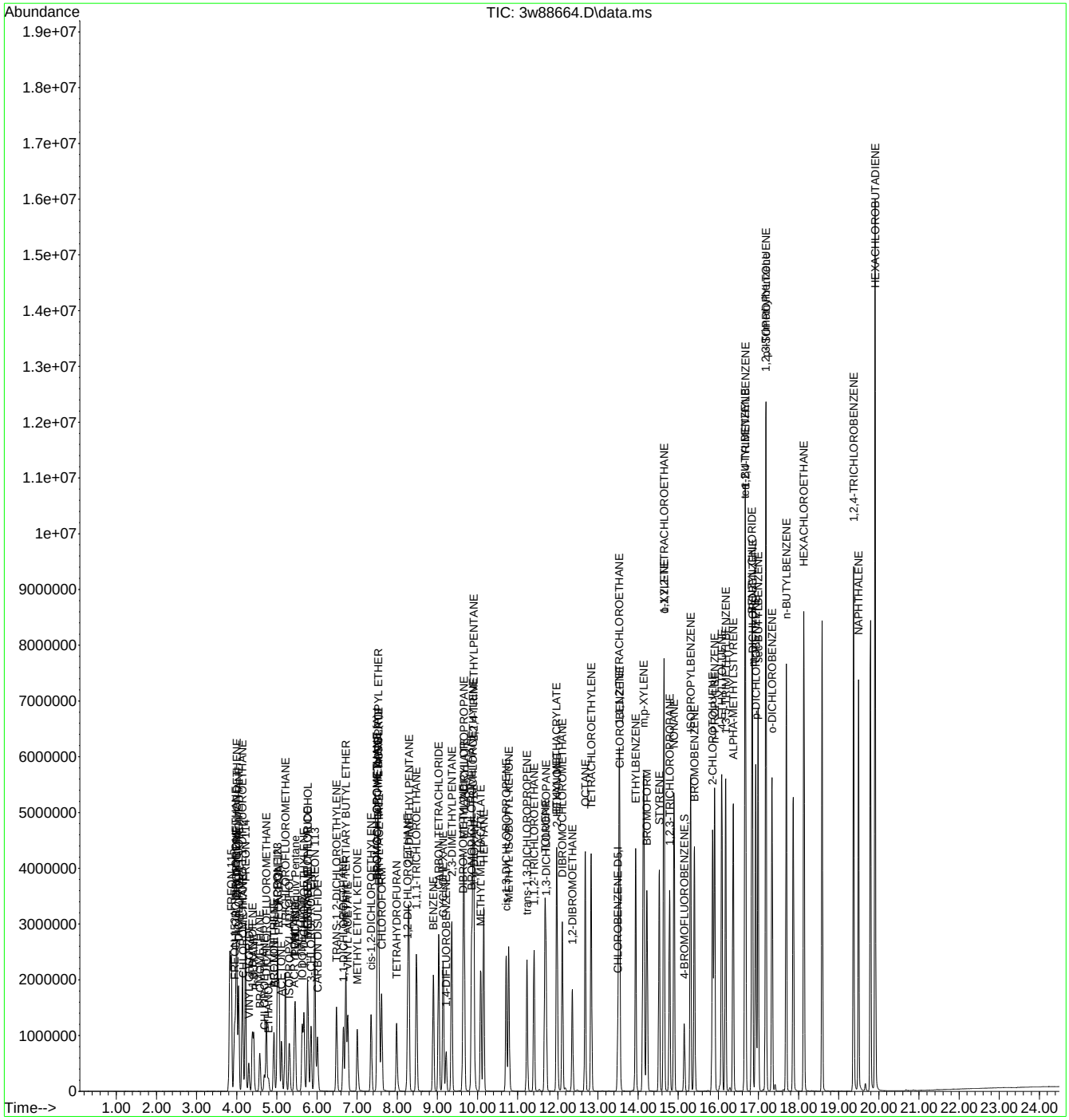
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88664.D
Acq On : 9 Sep 2024 9:22 am
Operator : benk
Sample : ic3499-40
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 20:11:15 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Sep 10 20:11:03 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88669.D
Acq On : 9 Sep 2024 1:02 pm
Operator : benk
Sample : icv3499-10
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 11 12:34:16 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Wed Sep 11 11:57:05 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.492	128	97915	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.208	114	499662	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	13.491	82	301742	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.492	128	97915	10.00	PPBV	#	0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	15.145	95	375994	10.24	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 102.40%				
Target Compounds							Qvalue
2) FREON 115	3.866	119	170611	10.25	PPBV		99
3) FREON 152A	3.946	65	83903	10.05	PPBV		96
4) CHLORODIFLUOROMETHANE	3.970	67	56009	10.92	PPBV		97
5) CHLOROTRIFLUOROETHENE	4.000	116	160278	9.71	PPBV	#	98
6) DICHLORODIFLUOROMETHANE	4.049	85	508246	10.46	PPBV		99
7) PROPYLENE	3.994	41	163131	10.46	PPBV		98
8) 1-CHLORO-1,1-DIFLUOROE...	4.140	65	458005	10.54	PPBV		99
9) FREON 114	4.219	85	352463	11.11	PPBV		100
10) CHLOROMETHANE	4.158	52	48242	9.96	PPBV	#	85
11) VINYL CHLORIDE	4.304	62	130526	9.94	PPBV		100
12) 1,3-BUTADIENE	4.390	54	109938	10.47	PPBV		98
13) n-BUTANE	4.426	43	218080	9.83	PPBV		99
14) BROMOMETHANE	4.578	94	107259	9.27	PPBV		100
15) CHLOROETHANE	4.688	64	57072	10.31	PPBV		97
16) DICHLOROFLUOROMETHANE	4.736	67	324821	10.70	PPBV		99
17) ACETONITRILE	4.937	41	115461	9.59	PPBV		98
18) ACROLEIN	5.022	56	59690	10.24	PPBV		100
19) FREON 123	5.016	83	282785	10.32	PPBV		98
20) FREON 123A	5.053	117	162250	10.40	PPBV		98
21) TRICHLOROFLUOROMETHANE	5.211	101	507416	11.06	PPBV		100
22) ISOPROPYL ALCOHOL	5.351	45	336632	8.83	PPBV		99
23) ACETONE	5.132	58	64247	8.78	PPBV		97
24) PENTANE	5.460	42	145044	9.39	PPBV		98
25) IODOMETHANE	5.631	142	337599	11.40	PPBV		99
26) 1,1-DICHLOROETHYLENE	5.673	96	111886	10.72	PPBV		98
27) CARBON DISULFIDE	6.014	76	413350	11.80	PPBV		100
28) ETHANOL	4.797	45	67760	8.04	PPBV		98
29) BROMOETHENE	4.925	106	110501	10.82	PPBV		98
30) ACRYLONITRILE	5.436	52	101999	9.62	PPBV		99
31) METHYLENE CHLORIDE	5.758	84	100689	9.03	PPBV		97
32) 3-CHLOROPROPENE	5.850	76	54772	10.85	PPBV	#	92
33) FREON 113	5.947	151	239285	11.30	PPBV		99
34) TRANS-1,2-DICHLOROETHY...	6.482	96	140987	11.02	PPBV		100
35) TERTIARY BUTYL ALCOHOL	5.825	59	383652	11.17	PPBV	#	99
36) METHYL TERTIARY BUTYL ...	6.738	73	480451	11.04	PPBV		99
37) TETRAHYDROFURAN	8.009	72	67486	11.64	PPBV		99
38) HEXANE	7.504	57	287902	10.05	PPBV		98
39) VINYL ACETATE	6.774	86	29829	11.90	PPBV	#	87
40) 1,1-DICHLOROETHANE	6.653	63	323795	10.72	PPBV		100
41) METHYL ETHYL KETONE	7.024	72	69227	11.69	PPBV		98
42) cis-1,2-DICHLOROETHYLENE	7.346	96	145269	11.20	PPBV		100
43) DIISOPROPYL ETHER	7.535	59	80090	10.59	PPBV		98
44) ETHYL ACETATE	7.559	61	53960	12.01	PPBV	#	96
45) METHYL ACRYLATE	7.541	55	380798	11.30	PPBV		100
46) CHLOROFORM	7.602	83	382790	11.36	PPBV		99
47) 2,4-DIMETHYLPENTANE	8.283	57	348976	11.49	PPBV		99
48) 1,1,1-TRICHLOROETHANE	8.478	97	436894	11.40	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88669.D
Acq On : 9 Sep 2024 1:02 pm
Operator : benk
Sample : icv3499-10
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 11 12:34:16 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Wed Sep 11 11:57:05 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
49)	CARBON TETRACHLORIDE	9.031	117	471230	11.66	PPBV		99
50)	1,2-DICHLOROETHANE	8.253	62	346065	11.49	PPBV		99
52)	BENZENE	8.891	78	432918	10.95	PPBV		100
53)	CYCLOHEXANE	9.141	84	186511	11.55	PPBV		100
54)	2,3-DIMETHYLPENTANE	9.354	71	94486	11.11	PPBV		96
55)	TRICHLOROETHYLENE	9.877	95	212503	10.63	PPBV		99
56)	1,2-DICHLOROPROPANE	9.658	63	190500	10.43	PPBV		99
57)	DIBROMOMETHANE	9.634	174	208404	10.29	PPBV		100
58)	ETHYL ACRYLATE	9.676	55	497525	11.56	PPBV		100
59)	BROMODICHLOROMETHANE	9.840	83	438562	10.81	PPBV		100
60)	2,2,4-TRIMETHYLPENTANE	9.895	57	949004	11.00	PPBV		100
61)	1,4-DIOXANE	9.956	88	96585	10.46	PPBV		96
62)	HEPTANE	10.145	43	414982	11.12	PPBV		99
63)	METHYL METHACRYLATE	10.084	69	166110	11.13	PPBV		94
64)	METHYL ISOBUTYL KETONE	10.796	58	177632	11.12	PPBV		97
65)	cis-1,3-DICHLOROPROPENE	10.710	75	294892	10.54	PPBV		97
66)	TOLUENE	11.678	92	303081	10.44	PPBV		100
67)	1,3-DICHLOROPROPANE	11.702	76	272409	10.36	PPBV	#	99
68)	trans-1,3-DICHLOROPROPENE	11.228	75	308238	10.82	PPBV		99
69)	1,1,2-TRICHLOROETHANE	11.404	83	164354	10.53	PPBV		99
71)	2-HEXANONE	11.994	58	248068	11.22	PPBV		98
72)	ETHYL METHACRYLATE	11.976	69	276553	11.45	PPBV		100
73)	TETRACHLOROETHYLENE	12.828	164	242669	10.59	PPBV		99
74)	DIBROMOCHLOROMETHANE	12.110	129	388973	10.87	PPBV		99
75)	1,2-DIBROMOETHANE	12.353	107	308298	10.85	PPBV		100
76)	OCTANE	12.675	43	572764	11.07	PPBV		100
77)	1,1,1,2-TETRACHLOROETHANE	13.521	131	270010	10.92	PPBV		100
78)	CHLOROBENZENE	13.539	112	429470	10.50	PPBV		98
79)	ETHYLBENZENE	13.935	91	761750	10.96	PPBV		99
80)	m,p-XYLENE	14.129	106	543461	21.37	PPBV		99
81)	o-XYLENE	14.640	106	268470	11.07	PPBV		98
82)	STYRENE	14.525	104	435771	11.46	PPBV		98
83)	NONANE	14.890	43	637224	11.41	PPBV		100
84)	BROMOFORM	14.215	173	438599	11.52	PPBV		99
86)	1,1,2,2-TETRACHLOROETHANE	14.640	83	430819	10.49	PPBV		100
87)	1,2,3-TRICHLOROPROPANE	14.780	75	384513	10.68	PPBV		100
88)	ISOPROPYLBENZENE	15.304	105	884987	10.99	PPBV		100
89)	BROMOBENZENE	15.395	77	467992	10.35	PPBV		99
90)	2-CHLOROTOLUENE	15.857	126	205255	11.12	PPBV		98
91)	n-PROPYLBENZENE	15.900	120	231670	11.28	PPBV		100
92)	4-ETHYLTOLUENE	16.082	105	906880	11.93	PPBV		99
93)	1,3,5-TRIMETHYLBENZENE	16.173	105	777310	11.71	PPBV		100
94)	ALPHA-METHYLSTYRENE	16.368	118	373185	11.61	PPBV		100
95)	tert-BUTYLBENZENE	16.660	134	157289	11.82	PPBV		99
96)	1,2,4-TRIMETHYLBENZENE	16.666	105	800168	11.73	PPBV		99
97)	m-DICHLOROBENZENE	16.843	146	532528	10.53	PPBV		100
98)	BENZYL CHLORIDE	16.824	91	833091	11.97	PPBV		100
99)	p-DICHLOROBENZENE	16.928	146	548559	10.90	PPBV		100
100)	sec-BUTYLBENZENE	16.989	134	212594	11.84	PPBV		99
101)	1,2,3-Trimethylbenzene	17.177	105	841691	11.72	PPBV		99
102)	p-ISOPROPYLTOLUENE	17.183	134	241666	12.01	PPBV		98
103)	o-DICHLOROBENZENE	17.329	146	524363	10.70	PPBV		99
104)	n-BUTYLBENZENE	17.688	134	237351	11.92	PPBV		99
105)	HEXACHLOROETHANE	18.126	117	371509	12.02	PPBV		100
106)	HEXACHLOROBUTADIENE	19.903	225	687951	11.52	PPBV		100
107)	1,2,4-TRICHLOROBENZENE	19.367	180	656552	11.43	PPBV		100
108)	NAPHTHALENE	19.489	128	1184071	12.32	PPBV		100
110)	TVHC as equiv Pentane	5.454	TIC	1080444	10.39	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88669.D
Acq On : 9 Sep 2024 1:02 pm
Operator : benk
Sample : icv3499-10
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 11 12:34:16 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Wed Sep 11 11:57:05 2024
Response via : Initial Calibration

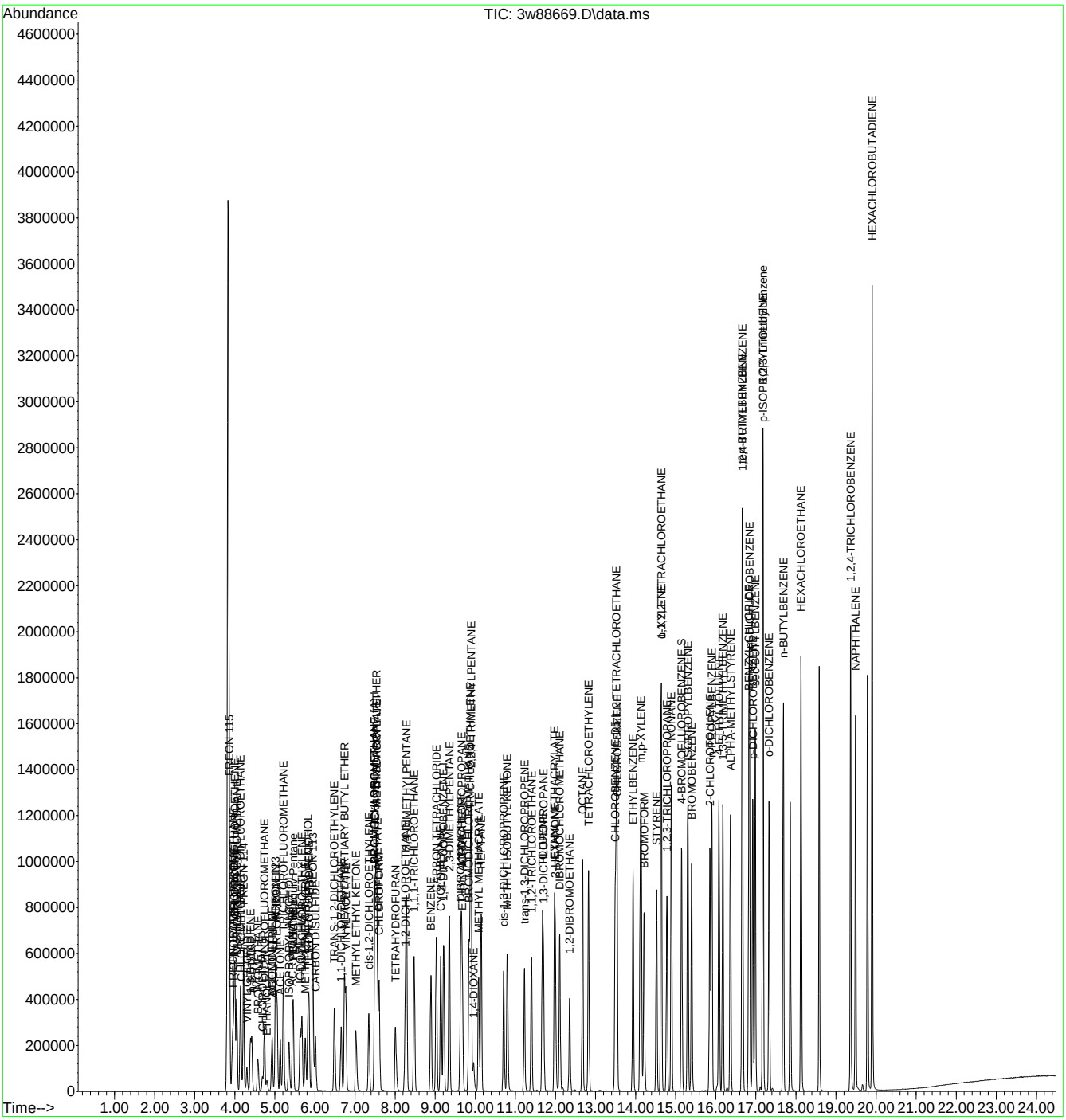
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88669.D
Acq On : 9 Sep 2024 1:02 pm
Operator : benk
Sample : icv3499-10
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 11 12:34:16 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Wed Sep 11 11:57:05 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\09-20-2024\V3W3503\
Data File : 3w88779.d
Acq On : 19 Sep 2024 1:17 pm
Operator : thomash
Sample : cc3499-10 Inst : GCMS-3W
Misc : MS80966,v3w3503,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 20 04:17:11 2024
Quant Method : C:\msdchem\1\methods\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Wed Sep 11 11:57:05 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	7.492	128	85839	10.00	PPBV	# 0.00
51) 1,4-DIFLUOROBENZENE	9.214	114	439834	10.00	PPBV	0.00
70) CHLOROBENZENE-D5	13.491	82	234703	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	7.492	128	85839	10.00	PPBV	# 0.00
System Monitoring Compounds						
85) 4-BROMOFLUOROBENZENE	15.145	95	255222	8.94	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 89.40%			
Target Compounds						Qvalue
2) FREON 115	3.866	119	159328	10.9214	PPBV	96
3) FREON 152A	3.945	65	87718	11.9872	PPBV	87
4) CHLORODIFLUOROMETHANE	3.970	67	46139	10.2577	PPBV	97
5) CHLOROTRIFLUOROETHENE	4.000	116	158421	10.9460	PPBV #	98
6) DICHLORODIFLUOROMETHANE	4.043	85	443826	10.4212	PPBV	99
7) PROPYLENE	3.994	41	147441	10.7820	PPBV	98
8) 1-CHLORO-1,1-DIFLUOROE...	4.140	65	359837	9.4461	PPBV	100
9) FREON 114	4.219	85	294217	10.5766	PPBV	97
10) CHLOROMETHANE	4.158	52	41271	9.7182	PPBV	95
11) VINYL CHLORIDE	4.304	62	113222	9.8316	PPBV	97
12) 1,3-BUTADIENE	4.390	54	90429	9.8283	PPBV	96
13) n-BUTANE	4.426	43	186916	9.6070	PPBV	99
14) BROMOMETHANE	4.578	94	93290	9.1973	PPBV	98
15) CHLOROETHANE	4.688	64	52774	10.8793	PPBV	96
16) DICHLOROFLUOROMETHANE	4.736	67	271143	10.1928	PPBV	97
17) ACETONITRILE	4.937	41	98900	9.3675	PPBV	99
18) ACROLEIN	5.028	56	44811	8.7726	PPBV	98
19) FREON 123	5.016	83	243374	10.1322	PPBV	97
20) FREON 123A	5.053	117	141177	10.3182	PPBV	90
21) TRICHLOROFLUOROMETHANE	5.211	101	356610	8.8687	PPBV	100
22) ISOPROPYL ALCOHOL	5.351	45	358873	10.7361	PPBV	94
23) ACETONE	5.132	58	51945	8.0942	PPBV	99
24) PENTANE	5.460	42	190234	14.0534	PPBV	88
25) IODOMETHANE	5.637	142	322225	12.4134	PPBV	86
26) 1,1-DICHLOROETHYLENE	5.679	96	122329	13.3745	PPBV #	87
27) CARBON DISULFIDE	6.014	76	363599	11.8406	PPBV	92
28) ETHANOL	4.797	45	73656	9.9672	PPBV	99
29) BROMOETHENE	4.925	106	93211	10.4072	PPBV	96
30) ACRYLONITRILE	5.436	52	119729	12.8765	PPBV	95
31) METHYLENE CHLORIDE	5.764	84	113140	11.5690	PPBV	96
32) 3-CHLOROPROPENE	5.856	76	67076	15.1627	PPBV #	87
33) FREON 113	5.953	151	208134	11.2138	PPBV	92
34) TRANS-1,2-DICHLOROETHY...	6.488	96	125358	11.1783	PPBV	96
35) TERTIARY BUTYL ALCOHOL	5.819	59	329269	10.9332	PPBV #	100
36) METHYL TERTIARY BUTYL ...	6.738	73	421081	11.0402	PPBV	96
37) TETRAHYDROFURAN	8.003	72	62303	12.2579	PPBV #	83
38) HEXANE	7.510	57	253770	10.1074	PPBV	94
39) VINYL ACETATE	6.774	86	25886	11.7800	PPBV #	77
40) 1,1-DICHLOROETHANE	6.659	63	286553	10.8214	PPBV	98
41) METHYL ETHYL KETONE	7.018	72	65671	12.6517	PPBV #	74
42) cis-1,2-DICHLOROETHYLENE	7.346	96	132417	11.6452	PPBV	96
43) DIISOPROPYL ETHER	7.535	59	69398	10.4632	PPBV #	84
44) ETHYL ACETATE	7.559	61	50767	12.8852	PPBV #	68
45) METHYL ACRYLATE	7.541	55	304949	10.3250	PPBV	98
46) CHLOROFORM	7.602	83	311988	10.5624	PPBV	98
47) 2,4-DIMETHYLPENTANE	8.283	57	301908	11.3368	PPBV	97
48) 1,1,1-TRICHLOROETHANE	8.478	97	343628	10.2242	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\09-20-2024\V3W3503\
Data File : 3w88779.d
Acq On : 19 Sep 2024 1:17 pm
Operator : thomash
Sample : cc3499-10 Inst : GCMS-3W
Misc : MS80966,v3w3503,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 20 04:17:11 2024
Quant Method : C:\msdchem\1\methods\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Wed Sep 11 11:57:05 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
49)	CARBON TETRACHLORIDE	9.031	117	359221	10.1369	PPBV		100
50)	1,2-DICHLOROETHANE	8.253	62	264468	10.0164	PPBV		99
52)	BENZENE	8.897	78	392100	11.2690	PPBV		96
53)	CYCLOHEXANE	9.141	84	169429	11.9236	PPBV		90
54)	2,3-DIMETHYLPENTANE	9.354	71	87177	11.6451	PPBV	#	82
55)	TRICHLOROETHYLENE	9.877	95	188622	10.7232	PPBV		98
56)	1,2-DICHLOROPROPANE	9.658	63	171064	10.6376	PPBV		95
57)	DIBROMOMETHANE	9.634	174	194633	10.9123	PPBV		95
58)	ETHYL ACRYLATE	9.676	55	393143	10.3809	PPBV		99
59)	BROMODICHLOROMETHANE	9.840	83	356837	9.9896	PPBV		100
60)	2,2,4-TRIMETHYLPENTANE	9.895	57	828946	10.9184	PPBV		98
61)	1,4-DIOXANE	9.950	88	90224	11.0969	PPBV		94
62)	HEPTANE	10.151	43	337599	10.2766	PPBV		94
63)	METHYL METHACRYLATE	10.078	69	157421	11.9774	PPBV		89
64)	METHYL ISOBUTYL KETONE	10.796	58	148268	10.5415	PPBV		99
65)	cis-1,3-DICHLOROPROPENE	10.710	75	281467	11.4238	PPBV		94
66)	TOLUENE	11.672	92	275907	10.7984	PPBV		99
67)	1,3-DICHLOROPROPANE	11.702	76	242275	10.4647	PPBV	#	99
68)	trans-1,3-DICHLOROPROPENE	11.227	75	266408	10.6213	PPBV		96
69)	1,1,2-TRICHLOROETHANE	11.398	83	147893	10.7642	PPBV		100
71)	2-HEXANONE	11.988	58	205308	11.9356	PPBV		99
72)	ETHYL METHACRYLATE	11.970	69	252407	13.4381	PPBV		89
73)	TETRACHLOROETHYLENE	12.827	164	212510	11.9268	PPBV		98
74)	DIBROMOCHLOROMETHANE	12.104	129	308074	11.0712	PPBV		99
75)	1,2-DIBROMOETHANE	12.353	107	269813	12.2135	PPBV		100
76)	OCTANE	12.675	43	466910	11.5984	PPBV		95
77)	1,1,1,2-TETRACHLOROETHANE	13.521	131	216193	11.2441	PPBV		98
78)	CHLOROBENZENE	13.533	112	378273	11.8953	PPBV		100
79)	ETHYLBENZENE	13.935	91	661169	12.2249	PPBV		100
80)	m,p-XYLENE	14.129	106	470970	23.8105	PPBV		100
81)	o-XYLENE	14.640	106	232227	12.3139	PPBV		98
82)	STYRENE	14.519	104	385602	13.0350	PPBV		99
83)	NONANE	14.890	43	508287	11.6993	PPBV		96
84)	BROMOFORM	14.208	173	297650	10.0535	PPBV		99
86)	1,1,2,2-TETRACHLOROETHANE	14.634	83	376471	11.7868	PPBV		99
87)	1,2,3-TRICHLOROPROPANE	14.780	75	326480	11.6543	PPBV		98
88)	ISOPROPYLBENZENE	15.303	105	740068	11.8180	PPBV		99
89)	BROMOBENZENE	15.395	77	395532	11.2420	PPBV		99
90)	2-CHLOROTOLUENE	15.851	126	172814	12.0367	PPBV		100
91)	n-PROPYLBENZENE	15.900	120	195642	12.2428	PPBV		100
92)	4-ETHYLTOLUENE	16.076	105	763383	12.9101	PPBV		100
93)	1,3,5-TRIMETHYLBENZENE	16.173	105	644110	12.4701	PPBV		99
94)	ALPHA-METHYLSTYRENE	16.362	118	302916	12.1161	PPBV		99
95)	tert-BUTYLBENZENE	16.660	134	124054	11.9831	PPBV		94
96)	1,2,4-TRIMETHYLBENZENE	16.666	105	650528	12.2634	PPBV		99
97)	m-DICHLOROBENZENE	16.843	146	436997	11.1138	PPBV		100
98)	BENZYL CHLORIDE	16.824	91	647185	11.9515	PPBV		100
99)	p-DICHLOROBENZENE	16.922	146	452697	11.5651	PPBV		100
100)	sec-BUTYLBENZENE	16.983	134	166927	11.9562	PPBV	#	91
101)	1,2,3-Trimethylbenzene	17.171	105	674304	12.0733	PPBV		98
102)	p-ISOPROPYLTOLUENE	17.183	134	183758	11.7384	PPBV	#	89
103)	o-DICHLOROBENZENE	17.329	146	432421	11.3424	PPBV		99
104)	n-BUTYLBENZENE	17.682	134	186578	12.0445	PPBV		92
105)	HEXACHLOROETHANE	18.126	117	280874	11.6835	PPBV		97
106)	HEXACHLOROBUTADIENE	19.903	225	561152	12.0761	PPBV		100
107)	1,2,4-TRICHLOROBENZENE	19.361	180	551229	12.3419	PPBV		99
108)	NAPHTHALENE	19.489	128	950027	12.7128	PPBV		100
110)	TVHC as equiv Pentane	5.454	TIC	1248462	13.6940	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\09-20-2024\V3W3503\
Data File : 3w88779.d
Acq On : 19 Sep 2024 1:17 pm
Operator : thomash
Sample : cc3499-10 Inst : GCMS-3W
Misc : MS80966,v3w3503,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 20 04:17:11 2024
Quant Method : C:\msdchem\1\methods\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Wed Sep 11 11:57:05 2024
Response via : Initial Calibration

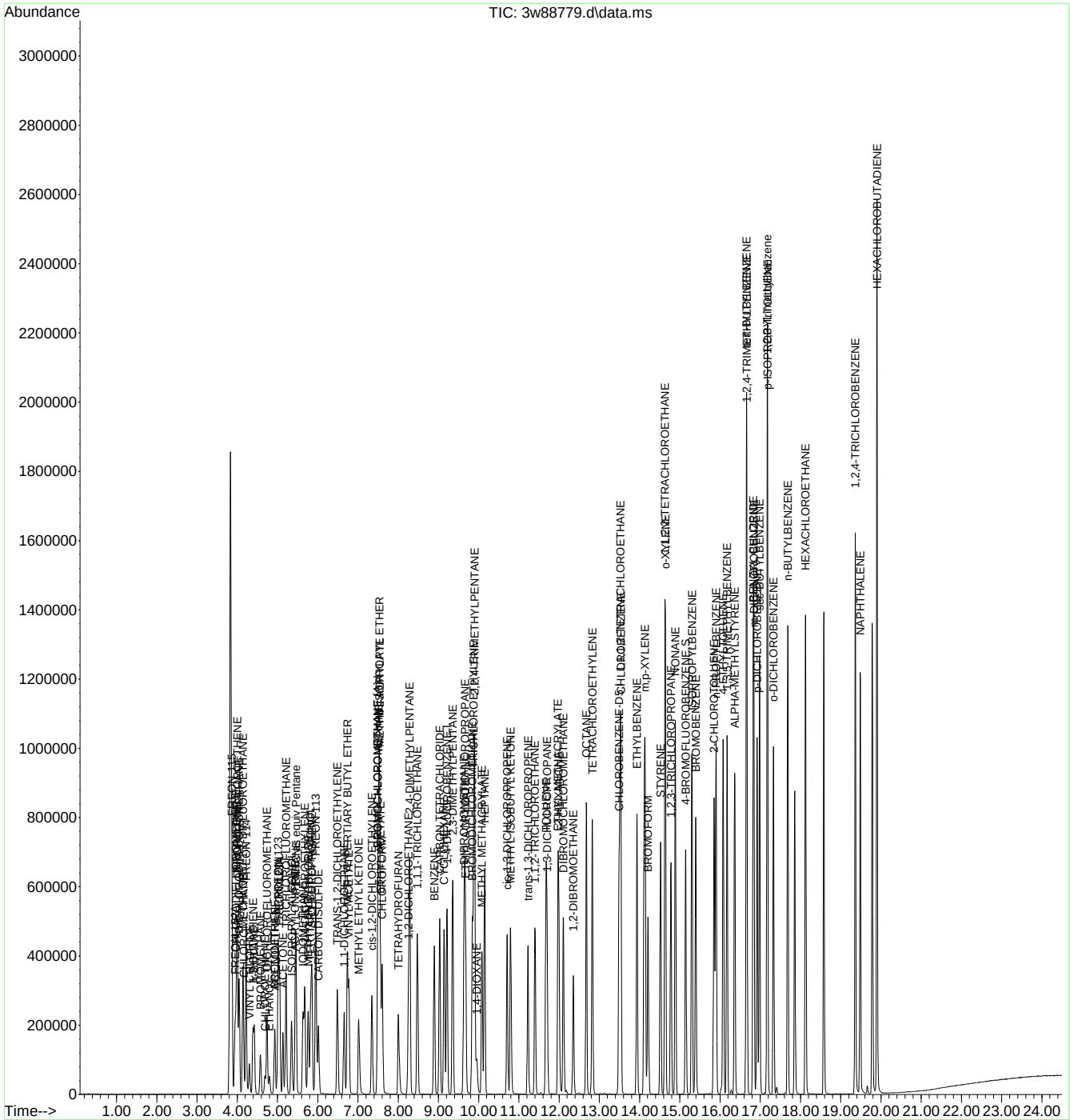
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\09-20-2024\V3W3503\
Data File : 3w88779.d
Acq On : 19 Sep 2024 1:17 pm
Operator : thomash
Sample : cc3499-10 Inst : GCMS-3W
Misc : MS80966,v3w3503,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 20 04:17:11 2024
Quant Method : C:\msdchem\1\methods\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Wed Sep 11 11:57:05 2024
Response via : Initial Calibration



M3W3499.M Fri Sep 20 05:23:07 2024 Page: 4

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55459.D
Acq On : 9 Dec 2024 4:14 am
Operator : benk
Sample : ic2125-0.04
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 14:26:47 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.663	128	339655	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.835	114	1562017	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	15.347	82	815644	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.663	128	339655	10.00	PPBV	#	0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	17.592	95	987267	10.65	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 106.50%				
Target Compounds							Qvalue
2) FREON 115	3.466	119	2172	0.04	PPBV		97
3) FREON 152A	3.546	65	1042	0.04	PPBV		94
4) CHLORODIFLUOROMETHANE	3.576	67	402	0.03	PPBV	#	42
5) CHLOROTRIFLUOROETHENE	3.613	116	2393	0.04	PPBV		98
6) DICHLORODIFLUOROMETHANE	3.656	85	5059	0.04	PPBV		99
7) PROPYLENE	3.601	41	1813	0.06	PPBV	#	71
8) 1-CHLORO-1,1-DIFLUOROE...	3.760	65	5772	0.05	PPBV		93
9) FREON 114	3.839	85	6871	0.04	PPBV		95
10) CHLOROMETHANE	3.778	52	563	0.04	PPBV	#	19
11) VINYL CHLORIDE	3.931	62	2457	0.04	PPBV	#	88
12) 1,3-BUTADIENE	4.035	54	2084	0.06	PPBV	#	65
15) CHLOROETHANE	4.365	64	1195	0.05	PPBV		73
16) DICHLOROFLUOROMETHANE	4.421	67	6506	0.05	PPBV	#	97
19) FREON 123	4.739	83	6283	0.05	PPBV	#	69
20) FREON 123A	4.782	117	3192	0.05	PPBV	#	67
21) TRICHLOROFLUOROMETHANE	4.947	101	4659	0.04	PPBV		93
24) PENTANE	5.234	42	1715	0.05	PPBV		85
25) IODOMETHANE	5.424	142	3839	0.04	PPBV		98
26) 1,1-DICHLOROETHYLENE	5.491	96	1503	0.04	PPBV		85
27) CARBON DISULFIDE	5.846	76	3987	0.04	PPBV	#	71
29) BROMOETHENE	4.629	106	2097	0.04	PPBV	#	72
31) METHYLENE CHLORIDE	5.595	84	1675	0.05	PPBV		87
32) 3-CHLOROPROPENE	5.693	76	558	0.03	PPBV	#	1
33) FREON 113	5.822	151	2213	0.04	PPBV		85
34) TRANS-1,2-DICHLOROETHY...	6.452	96	1478	0.04	PPBV		87
35) TERTIARY BUTYL ALCOHOL	5.662	59	2332	0.03	PPBV	#	69
36) METHYL TERTIARY BUTYL ...	6.806	73	3795	0.04	PPBV		88
38) HEXANE	7.706	57	1901	0.03	PPBV	#	76
40) 1,1-DICHLOROETHANE	6.647	63	2879	0.04	PPBV		87
42) cis-1,2-DICHLOROETHYLENE	7.492	96	1626	0.04	PPBV		83
46) CHLOROFORM	7.810	83	3517	0.04	PPBV		96
47) 2,4-DIMETHYLPENTANE	8.666	57	2035	0.03	PPBV		84
48) 1,1,1-TRICHLOROETHANE	8.874	97	3477	0.04	PPBV		94
49) CARBON TETRACHLORIDE	9.572	117	3442	0.04	PPBV		88
50) 1,2-DICHLOROETHANE	8.611	62	2033	0.03	PPBV	#	91
52) BENZENE	9.400	78	4500	0.04	PPBV		98
53) CYCLOHEXANE	9.694	84	1364	0.03	PPBV		88
54) 2,3-DIMETHYLPENTANE	10.000	71	683	0.03	PPBV	#	38
55) TRICHLOROETHYLENE	10.655	95	2173	0.04	PPBV		93
56) 1,2-DICHLOROPROPANE	10.373	63	1879	0.04	PPBV		67
57) DIBROMOMETHANE	10.349	174	2796	0.05	PPBV		95
59) BROMODICHLOROMETHANE	10.606	83	3467	0.03	PPBV		99
60) 2,2,4-TRIMETHYLPENTANE	10.691	57	6036	0.03	PPBV	#	91
62) HEPTANE	11.040	43	2264	0.03	PPBV		83
65) cis-1,3-DICHLOROPROPENE	11.756	75	2163	0.03	PPBV		73
66) TOLUENE	12.979	92	2538	0.03	PPBV		95
67) 1,3-DICHLOROPROPANE	13.028	76	2245	0.03	PPBV	#	80

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55459.D
Acq On : 9 Dec 2024 4:14 am
Operator : benk
Sample : ic2125-0.04
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 14:26:47 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

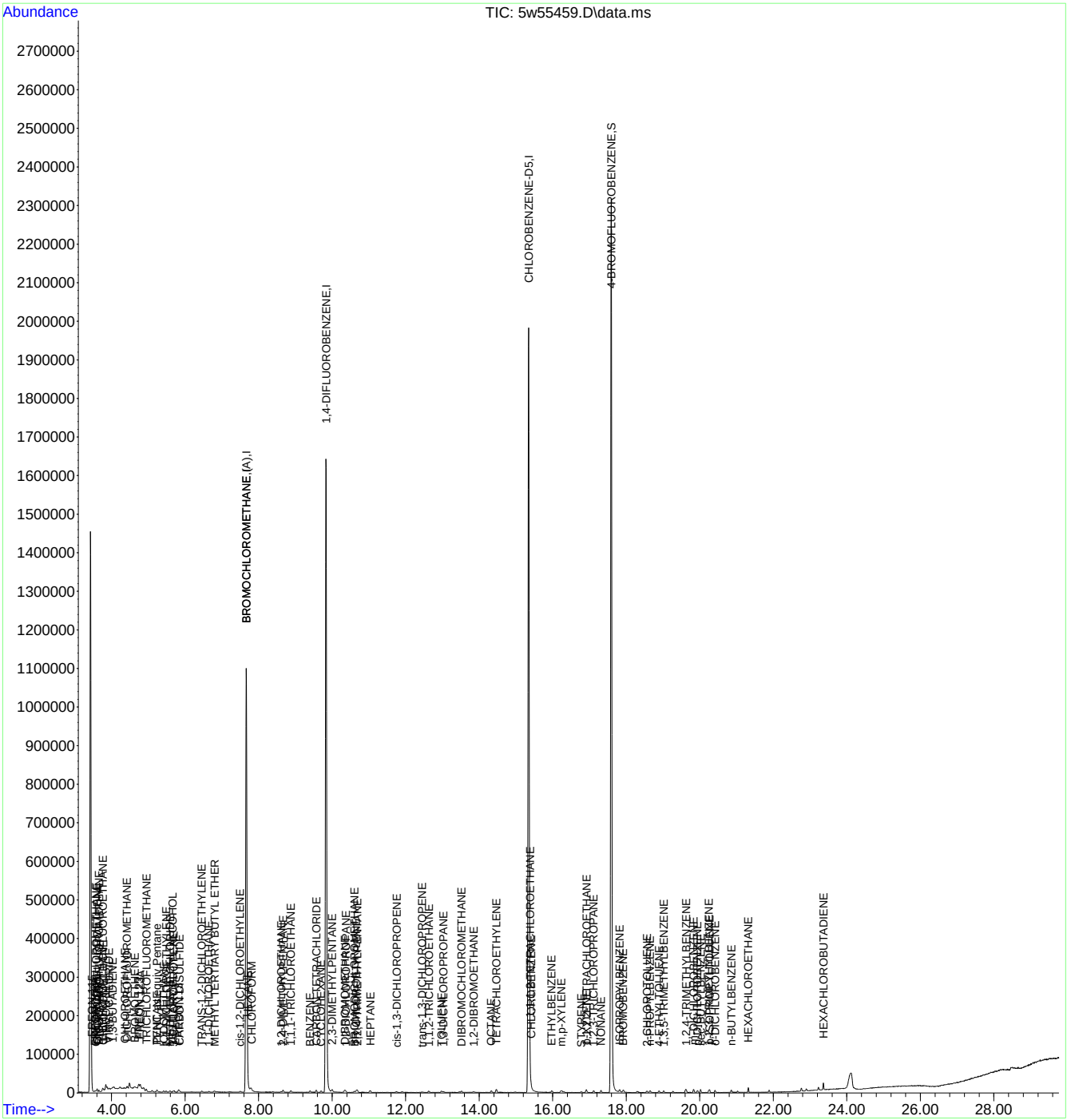
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
68)	trans-1,3-DICHLOROPROPENE	12.441	75	1621	0.02	PPBV	#	72
69)	1,1,2-TRICHLOROETHANE	12.631	83	1711	0.03	PPBV		91
73)	TETRACHLOROETHYLENE	14.466	164	2289	0.04	PPBV		96
74)	DIBROMOCHLOROMETHANE	13.518	129	2451	0.02	PPBV		92
75)	1,2-DIBROMOETHANE	13.848	107	2444	0.03	PPBV	#	99
76)	OCTANE	14.325	43	2490	0.03	PPBV		88
77)	1,1,1,2-TETRACHLOROETHANE	15.390	131	2034	0.03	PPBV		90
78)	CHLOROBENZENE	15.414	112	4300	0.04	PPBV	#	48
79)	ETHYLBENZENE	15.971	91	5680	0.03	PPBV		91
80)	m,p-XYLENE	16.234	106	3582	0.05	PPBV	#	78
81)	o-XYLENE	16.913	106	1696	0.03	PPBV		91
82)	STYRENE	16.778	104	2235	0.02	PPBV		85
83)	NONANE	17.311	43	2668	0.03	PPBV	#	83
86)	1,1,2,2-TETRACHLOROETHANE	16.925	83	4487	0.04	PPBV	#	92
87)	1,2,3-TRICHLOROPROPANE	17.109	75	3082	0.04	PPBV		85
88)	ISOPROPYLBENZENE	17.818	105	6235	0.03	PPBV		95
89)	BROMOBENZENE	17.916	77	3942	0.04	PPBV		88
90)	2-CHLOROTOLUENE	18.565	126	1257	0.03	PPBV		59
91)	n-PROPYLBENZENE	18.644	120	1200	0.02	PPBV	#	61
92)	4-ETHYLTOLUENE	18.889	105	4926	0.03	PPBV	#	97
93)	1,3,5-TRIMETHYLBENZENE	19.017	105	4056	0.03	PPBV		94
96)	1,2,4-TRIMETHYLBENZENE	19.635	105	4381	0.03	PPBV		95
97)	m-DICHLOROBENZENE	19.831	146	3796	0.03	PPBV		91
99)	p-DICHLOROBENZENE	19.935	146	3500	0.03	PPBV		96
100)	sec-BUTYLBENZENE	20.027	134	1089	0.03	PPBV	#	90
101)	1,2,3-TRIMETHYLBENZENE	20.241	105	4328	0.03	PPBV	#	95
102)	p-ISOPROPYLTOLUENE	20.265	134	1184	0.02	PPBV		94
103)	o-DICHLOROBENZENE	20.418	146	3642	0.03	PPBV		99
104)	n-BUTYLBENZENE	20.865	134	927	0.02	PPBV	#	53
105)	HEXACHLOROETHANE	21.318	117	2307	0.03	PPBV		94
106)	HEXACHLOROBUTADIENE	23.367	225	3647	0.03	PPBV		91
110)	TVHC as equiv Pentane	5.234	TIC	13331	0.06	PPBV		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55459.D
Acq On : 9 Dec 2024 4:14 am
Operator : benk
Sample : ic2125-0.04
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 14:26:47 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55460.D
Acq On : 9 Dec 2024 4:54 am
Operator : benk
Sample : ic2125-0.1
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 14:26:58 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.669	128	333430	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.835	114	1533309	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	15.347	82	804190	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.669	128	333430	10.00	PPBV	#	0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	17.592	95	985635	10.78	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 107.80%				
Target Compounds							Qvalue
2) FREON 115	3.472	119	5523	0.10	PPBV		97
3) FREON 152A	3.552	65	2440	0.10	PPBV		99
4) CHLORODIFLUOROMETHANE	3.588	67	1205	0.09	PPBV		74
5) CHLOROTRIFLUOROETHENE	3.613	116	5398	0.09	PPBV		95
6) DICHLORODIFLUOROMETHANE	3.656	85	12499	0.10	PPBV		99
7) PROPYLENE	3.607	41	3754	0.13	PPBV		84
8) 1-CHLORO-1,1-DIFLUOROE...	3.760	65	13615	0.11	PPBV		97
9) FREON 114	3.845	85	17687	0.12	PPBV		99
10) CHLOROMETHANE	3.784	52	1884	0.12	PPBV	#	78
11) VINYL CHLORIDE	3.931	62	5930	0.11	PPBV		94
12) 1,3-BUTADIENE	4.035	54	4083	0.11	PPBV	#	72
13) n-BUTANE	4.072	43	9842	0.15	PPBV	#	95
14) BROMOMETHANE	4.231	94	8281	0.15	PPBV		91
15) CHLOROETHANE	4.365	64	2881	0.12	PPBV		85
16) DICHLOROFLUOROMETHANE	4.427	67	14568	0.12	PPBV		97
17) ACETONITRILE	4.647	41	4678	0.12	PPBV	#	65
18) ACROLEIN	4.739	56	2049	0.11	PPBV	#	1
19) FREON 123	4.739	83	14828	0.12	PPBV		96
20) FREON 123A	4.788	117	7831	0.12	PPBV		84
21) TRICHLOROFLUOROMETHANE	4.947	101	11923	0.11	PPBV		98
22) ISOPROPYL ALCOHOL	5.093	45	9920	0.14	PPBV		92
24) PENTANE	5.240	42	3946	0.11	PPBV		98
25) IODOMETHANE	5.424	142	9585	0.10	PPBV		96
26) 1,1-DICHLOROETHYLENE	5.485	96	3785	0.11	PPBV		88
27) CARBON DISULFIDE	5.858	76	10145	0.10	PPBV		92
29) BROMOETHENE	4.622	106	5236	0.10	PPBV		91
31) METHYLENE CHLORIDE	5.601	84	3905	0.11	PPBV		95
32) 3-CHLOROPROPENE	5.705	76	1660	0.10	PPBV	#	52
33) FREON 113	5.828	151	6007	0.10	PPBV		98
34) TRANS-1,2-DICHLOROETHY...	6.458	96	4040	0.11	PPBV		81
35) TERTIARY BUTYL ALCOHOL	5.650	59	6051	0.08	PPBV		93
36) METHYL TERTIARY BUTYL ...	6.794	73	8939	0.09	PPBV		95
37) TETRAHYDROFURAN	8.366	72	939	0.06	PPBV	#	61
38) HEXANE	7.712	57	4501	0.08	PPBV		85
40) 1,1-DICHLOROETHANE	6.647	63	7146	0.10	PPBV		98
41) METHYL ETHYL KETONE	7.155	72	815	0.05	PPBV	#	82
42) cis-1,2-DICHLOROETHYLENE	7.498	96	4154	0.10	PPBV		84
43) DIISOPROPYL ETHER	7.779	59	1194	0.07	PPBV	#	60
44) ETHYL ACETATE	7.834	61	535	0.04	PPBV	#	38
46) CHLOROFORM	7.810	83	8944	0.10	PPBV		91
47) 2,4-DIMETHYLPENTANE	8.666	57	5058	0.08	PPBV		87
48) 1,1,1-TRICHLOROETHANE	8.874	97	9054	0.10	PPBV		96
49) CARBON TETRACHLORIDE	9.572	117	8961	0.09	PPBV		97
50) 1,2-DICHLOROETHANE	8.611	62	5541	0.09	PPBV		96
52) BENZENE	9.400	78	10879	0.09	PPBV		98
53) CYCLOHEXANE	9.706	84	3668	0.08	PPBV		94
54) 2,3-DIMETHYLPENTANE	10.000	71	1964	0.08	PPBV	#	73

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55460.D
Acq On : 9 Dec 2024 4:54 am
Operator : benk
Sample : ic2125-0.1
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 14:26:58 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

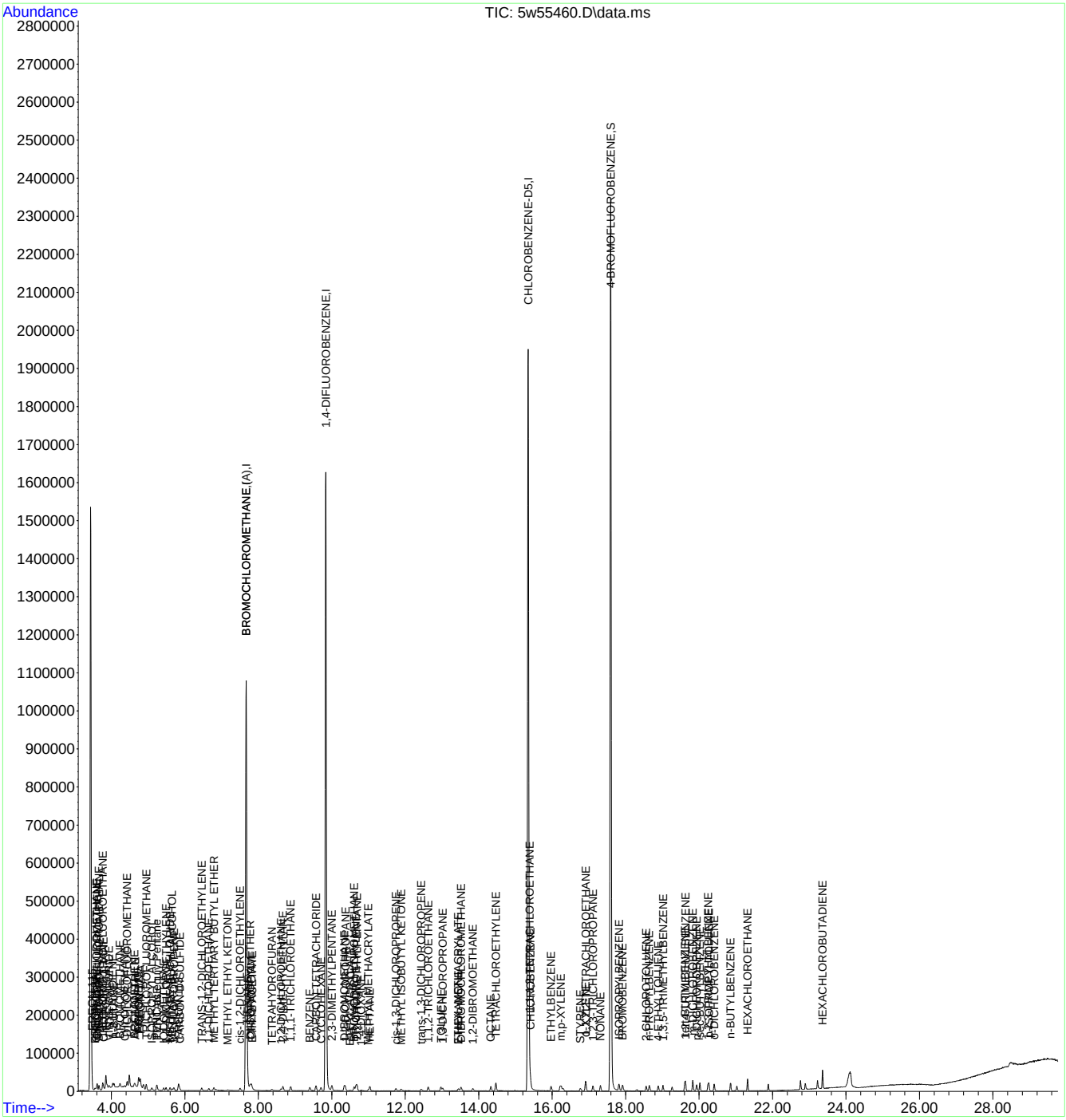
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
55) TRICHLOROETHYLENE	10.654	95	5207	0.09	PPBV		94
56) 1,2-DICHLOROPROPANE	10.373	63	4453	0.09	PPBV		93
57) DIBROMOMETHANE	10.342	174	5531	0.10	PPBV		90
58) ETHYL ACRYLATE	10.495	55	4814	0.06	PPBV	#	73
59) BROMODICHLOROMETHANE	10.605	83	8911	0.08	PPBV		99
60) 2,2,4-TRIMETHYLPENTANE	10.685	57	14978	0.08	PPBV		94
61) 1,4-DIOXANE	10.801	88	2000	0.07	PPBV	#	1
62) HEPTANE	11.034	43	5175	0.08	PPBV		98
63) METHYL METHACRYLATE	10.991	69	2482	0.06	PPBV	#	65
64) METHYL ISOBUTYL KETONE	11.890	58	1969	0.06	PPBV	#	71
65) cis-1,3-DICHLOROPROPENE	11.743	75	5623	0.07	PPBV		92
66) TOLUENE	12.973	92	6560	0.08	PPBV		97
67) 1,3-DICHLOROPROPANE	13.022	76	6020	0.08	PPBV	#	91
68) trans-1,3-DICHLOROPROPENE	12.429	75	4364	0.06	PPBV		84
69) 1,1,2-TRICHLOROETHANE	12.624	83	4269	0.09	PPBV		96
71) 2-HEXANONE	13.450	58	1982	0.04	PPBV	#	42
72) ETHYL METHACRYLATE	13.432	69	3502	0.05	PPBV	#	90
73) TETRACHLOROETHYLENE	14.472	164	5984	0.11	PPBV		99
74) DIBROMOCHLOROMETHANE	13.517	129	7109	0.07	PPBV		95
75) 1,2-DIBROMOETHANE	13.836	107	7065	0.09	PPBV	#	99
76) OCTANE	14.325	43	6427	0.08	PPBV		92
77) 1,1,1,2-TETRACHLOROETHANE	15.390	131	6008	0.10	PPBV		94
78) CHLOROBENZENE	15.408	112	11162	0.10	PPBV	#	48
79) ETHYLBENZENE	15.965	91	14102	0.08	PPBV		95
80) m,p-XYLENE	16.234	106	9481	0.14	PPBV		99
81) o-XYLENE	16.907	106	4760	0.07	PPBV		90
82) STYRENE	16.766	104	6206	0.06	PPBV		94
83) NONANE	17.310	43	6297	0.07	PPBV	#	91
86) 1,1,2,2-TETRACHLOROETHANE	16.913	83	11296	0.09	PPBV		99
87) 1,2,3-TRICHLOROPROPANE	17.109	75	8353	0.10	PPBV		99
88) ISOPROPYLBENZENE	17.818	105	15817	0.08	PPBV		98
89) BROMOBENZENE	17.916	77	9455	0.09	PPBV		95
90) 2-CHLOROTOLUENE	18.552	126	3541	0.07	PPBV		88
91) n-PROPYLBENZENE	18.638	120	3339	0.07	PPBV		94
92) 4-ETHYLTOLUENE	18.883	105	13159	0.07	PPBV		99
93) 1,3,5-TRIMETHYLBENZENE	19.017	105	11418	0.07	PPBV		95
95) tert-BUTYLBENZENE	19.617	134	2169	0.06	PPBV	#	89
96) 1,2,4-TRIMETHYLBENZENE	19.635	105	10880	0.06	PPBV		95
97) m-DICHLOROBENZENE	19.825	146	9479	0.08	PPBV		98
99) p-DICHLOROBENZENE	19.935	146	9928	0.09	PPBV		98
100) sec-BUTYLBENZENE	20.021	134	2915	0.07	PPBV		92
101) 1,2,3-TRIMETHYLBENZENE	20.241	105	11857	0.07	PPBV	#	97
102) p-ISOPROPYLTOLUENE	20.265	134	3311	0.07	PPBV		97
103) o-DICHLOROBENZENE	20.412	146	9802	0.09	PPBV		99
104) n-BUTYLBENZENE	20.853	134	2781	0.06	PPBV	#	75
105) HEXACHLOROETHANE	21.318	117	6060	0.07	PPBV		96
106) HEXACHLOROBUTADIENE	23.361	225	8613	0.08	PPBV		98
110) TVHC as equiv Pentane	5.234	TIC	32564	0.14	PPBV		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55460.D
Acq On : 9 Dec 2024 4:54 am
Operator : benk
Sample : ic2125-0.1
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 14:26:58 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55461.D
Acq On : 9 Dec 2024 5:35 am
Operator : benk
Sample : ic2125-0.2
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 09:59:51 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.663	128	334972	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.829	114	1532765	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	15.347	82	812540	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.663	128	334972	10.00	PPBV	#	0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	17.592	95	990143	10.72	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 107.20%				
Target Compounds							Qvalue
2) FREON 115	3.460	119	9311	0.17	PPBV		97
3) FREON 152A	3.546	65	5104	0.20	PPBV		99
4) CHLORODIFLUOROMETHANE	3.576	67	2636	0.19	PPBV		89
5) CHLOROTRIFLUOROETHENE	3.607	116	11548	0.20	PPBV		99
6) DICHLORODIFLUOROMETHANE	3.656	85	25208	0.20	PPBV		98
7) PROPYLENE	3.601	41	6295	0.22	PPBV		91
8) 1-CHLORO-1,1-DIFLUOROE...	3.754	65	27839	0.22	PPBV		97
9) FREON 114	3.845	85	35981	0.24	PPBV		96
10) CHLOROMETHANE	3.772	52	3787	0.24	PPBV	#	76
11) VINYL CHLORIDE	3.931	62	12507	0.23	PPBV		99
12) 1,3-BUTADIENE	4.029	54	8476	0.24	PPBV		90
13) n-BUTANE	4.066	43	17914	0.27	PPBV	#	95
14) BROMOMETHANE	4.231	94	13070	0.24	PPBV		94
15) CHLOROETHANE	4.359	64	5838	0.24	PPBV		92
16) DICHLOROFLUOROMETHANE	4.420	67	28789	0.24	PPBV		99
17) ACETONITRILE	4.641	41	10098	0.26	PPBV	#	79
18) ACROLEIN	4.732	56	3711	0.20	PPBV	#	16
19) FREON 123	4.739	83	29093	0.24	PPBV		99
20) FREON 123A	4.781	117	16016	0.24	PPBV		91
21) TRICHLOROFLUOROMETHANE	4.940	101	24059	0.21	PPBV		99
22) ISOPROPYL ALCOHOL	5.087	45	17230	0.24	PPBV		79
23) ACETONE	4.861	58	9631	0.44	PPBV		93
24) PENTANE	5.234	42	7781	0.22	PPBV		98
25) IODOMETHANE	5.418	142	19206	0.19	PPBV		98
26) 1,1-DICHLOROETHYLENE	5.485	96	7466	0.21	PPBV		91
27) CARBON DISULFIDE	5.852	76	21129	0.20	PPBV		96
29) BROMOETHENE	4.616	106	11097	0.22	PPBV		97
30) ACRYLONITRILE	5.222	52	13028	0.58	PPBV		95
31) METHYLENE CHLORIDE	5.595	84	7591	0.22	PPBV		95
32) 3-CHLOROPROPENE	5.699	76	3438	0.20	PPBV	#	65
33) FREON 113	5.821	151	11480	0.19	PPBV		92
34) TRANS-1,2-DICHLOROETHY...	6.458	96	7568	0.20	PPBV		94
35) TERTIARY BUTYL ALCOHOL	5.638	59	12091	0.16	PPBV		94
36) METHYL TERTIARY BUTYL ...	6.776	73	17880	0.17	PPBV		92
37) TETRAHYDROFURAN	8.342	72	2081	0.12	PPBV	#	61
38) HEXANE	7.706	57	9519	0.17	PPBV	#	79
39) VINYL ACETATE	6.843	86	448	0.07	PPBV	#	1
40) 1,1-DICHLOROETHANE	6.653	63	14588	0.20	PPBV		98
41) METHYL ETHYL KETONE	7.137	72	2221	0.13	PPBV		100
42) cis-1,2-DICHLOROETHYLENE	7.498	96	7416	0.19	PPBV		99
43) DIISOPROPYL ETHER	7.767	59	2706	0.16	PPBV	#	82
44) ETHYL ACETATE	7.810	61	1722	0.14	PPBV	#	38
45) METHYL ACRYLATE	7.797	55	9313m	0.13	PPBV		
46) CHLOROFORM	7.804	83	18397	0.21	PPBV		92
47) 2,4-DIMETHYLPENTANE	8.666	57	11164	0.17	PPBV		90
48) 1,1,1-TRICHLOROETHANE	8.874	97	17633	0.20	PPBV		96
49) CARBON TETRACHLORIDE	9.565	117	18453	0.19	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55461.D
Acq On : 9 Dec 2024 5:35 am
Operator : benk
Sample : ic2125-0.2
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 09:59:51 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	8.611	62	12009	0.20	PPBV		98
52)	BENZENE	9.394	78	21730	0.19	PPBV		99
53)	CYCLOHEXANE	9.700	84	7528	0.16	PPBV		94
54)	2,3-DIMETHYLPENTANE	10.000	71	4203	0.17	PPBV	#	84
55)	TRICHLOROETHYLENE	10.648	95	10750	0.18	PPBV		98
56)	1,2-DICHLOROPROPANE	10.367	63	9173	0.19	PPBV		94
57)	DIBROMOMETHANE	10.336	174	11081	0.21	PPBV		96
58)	ETHYL ACRYLATE	10.477	55	10722	0.12	PPBV	#	89
59)	BROMODICHLOROMETHANE	10.605	83	18157	0.17	PPBV		98
60)	2,2,4-TRIMETHYLPENTANE	10.685	57	30352	0.16	PPBV		96
61)	1,4-DIOXANE	10.777	88	4553	0.16	PPBV	#	1
62)	HEPTANE	11.034	43	10843	0.17	PPBV		98
63)	METHYL METHACRYLATE	10.985	69	5874	0.14	PPBV		88
64)	METHYL ISOBUTYL KETONE	11.872	58	4610	0.13	PPBV	#	75
65)	cis-1,3-DICHLOROPROPENE	11.737	75	12276	0.15	PPBV		93
66)	TOLUENE	12.967	92	13467	0.16	PPBV		98
67)	1,3-DICHLOROPROPANE	13.022	76	12399	0.17	PPBV	#	99
68)	trans-1,3-DICHLOROPROPENE	12.429	75	10502	0.14	PPBV		92
69)	1,1,2-TRICHLOROETHANE	12.618	83	9074	0.19	PPBV		98
71)	2-HEXANONE	13.426	58	5591	0.12	PPBV	#	68
72)	ETHYL METHACRYLATE	13.426	69	7979	0.12	PPBV		92
73)	TETRACHLOROETHYLENE	14.466	164	11793	0.22	PPBV		98
74)	DIBROMOCHLOROMETHANE	13.511	129	14897	0.15	PPBV		98
75)	1,2-DIBROMOETHANE	13.836	107	14712	0.18	PPBV	#	97
76)	OCTANE	14.331	43	13225	0.16	PPBV		96
77)	1,1,1,2-TETRACHLOROETHANE	15.396	131	12320	0.19	PPBV		95
78)	CHLOROBENZENE	15.408	112	22541	0.21	PPBV		97
79)	ETHYLBENZENE	15.965	91	29130	0.17	PPBV		98
80)	m,p-XYLENE	16.240	106	19915	0.30	PPBV		97
81)	o-XYLENE	16.907	106	9697	0.15	PPBV		95
82)	STYRENE	16.760	104	13243	0.14	PPBV		97
83)	NONANE	17.310	43	13708	0.16	PPBV		97
84)	BROMOFORM	16.295	173	8706	0.09	PPBV		96
86)	1,1,2,2-TETRACHLOROETHANE	16.913	83	24040	0.20	PPBV		99
87)	1,2,3-TRICHLOROPROPANE	17.102	75	17778	0.21	PPBV		96
88)	ISOPROPYLBENZENE	17.818	105	32811	0.17	PPBV		99
89)	BROMOBENZENE	17.910	77	19537	0.19	PPBV		95
90)	2-CHLOROTOLUENE	18.552	126	7829	0.16	PPBV		94
91)	n-PROPYLBENZENE	18.638	120	7841	0.15	PPBV		100
92)	4-ETHYLTOLUENE	18.883	105	27822	0.15	PPBV		99
93)	1,3,5-TRIMETHYLBENZENE	19.017	105	24334	0.15	PPBV		100
94)	ALPHA-METHYLSTYRENE	19.262	118	9644	0.12	PPBV		97
95)	tert-BUTYLBENZENE	19.611	134	4755	0.14	PPBV		90
96)	1,2,4-TRIMETHYLBENZENE	19.629	105	25504	0.15	PPBV		99
97)	m-DICHLOROBENZENE	19.825	146	21451	0.17	PPBV		99
98)	BENZYL CHLORIDE	19.819	91	23238	0.13	PPBV		96
99)	p-DICHLOROBENZENE	19.929	146	21116	0.18	PPBV		99
100)	sec-BUTYLBENZENE	20.014	134	6501	0.16	PPBV	#	89
101)	1,2,3-TRIMETHYLBENZENE	20.235	105	25578	0.15	PPBV	#	100
102)	p-ISOPROPYLTOLUENE	20.265	134	7256	0.15	PPBV		94
103)	o-DICHLOROBENZENE	20.406	146	20937	0.19	PPBV		97
104)	n-BUTYLBENZENE	20.859	134	6435	0.14	PPBV	#	88
105)	HEXACHLOROETHANE	21.318	117	12703	0.15	PPBV		95
106)	HEXACHLOROBUTADIENE	23.361	225	17057	0.16	PPBV		97
107)	1,2,4-TRICHLOROBENZENE	23.220	180	16218	0.16	PPBV		98
108)	NAPHTHALENE	22.890	128	33921	0.14	PPBV		97
110)	TVHC as equiv Pentane	5.228	TIC	75387	0.32	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55461.D
Acq On : 9 Dec 2024 5:35 am
Operator : benk
Sample : ic2125-0.2
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 09:59:51 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

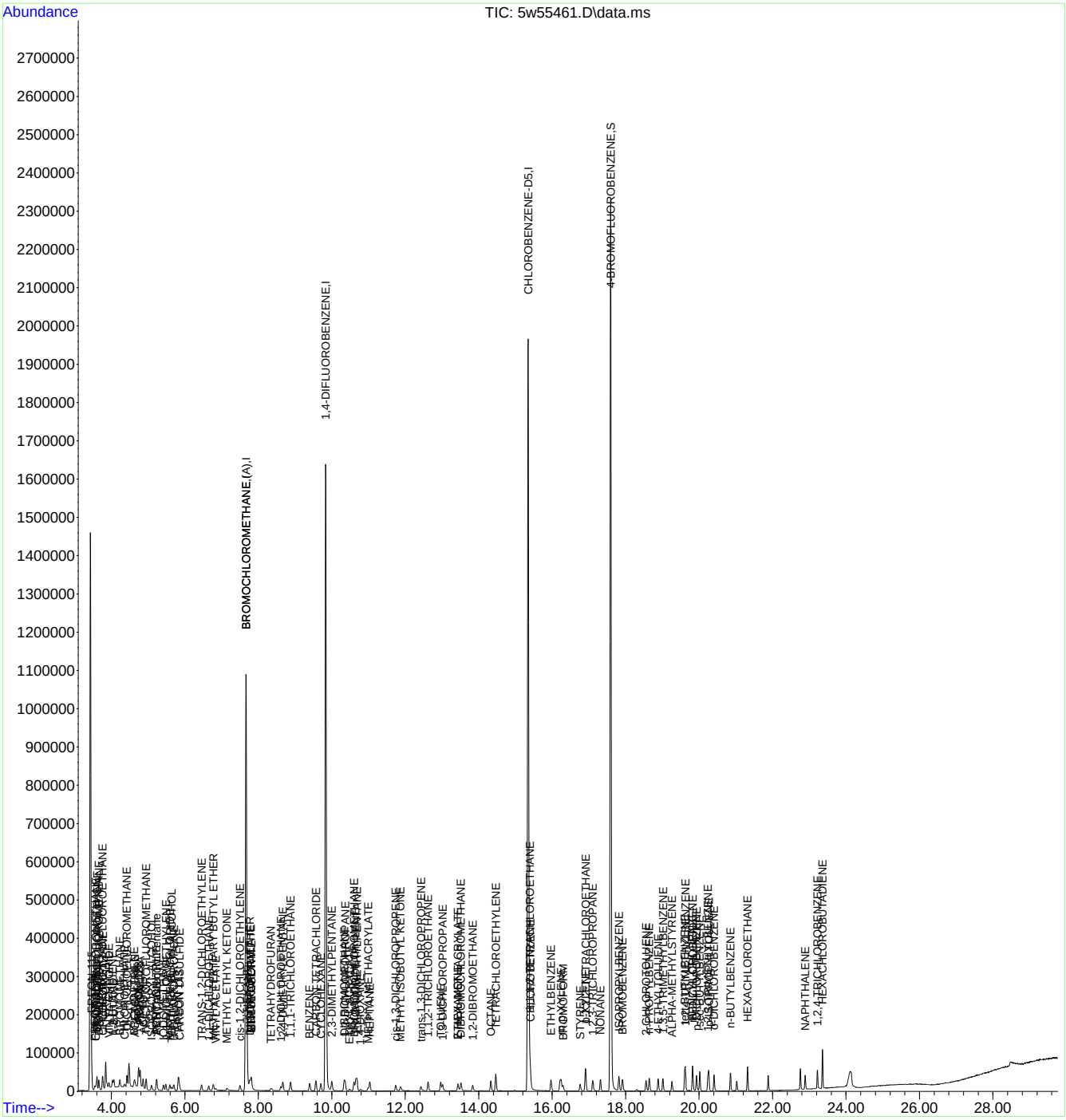
7.7.13

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55461.D
Acq On : 9 Dec 2024 5:35 am
Operator : benk
Sample : ic2125-0.2
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

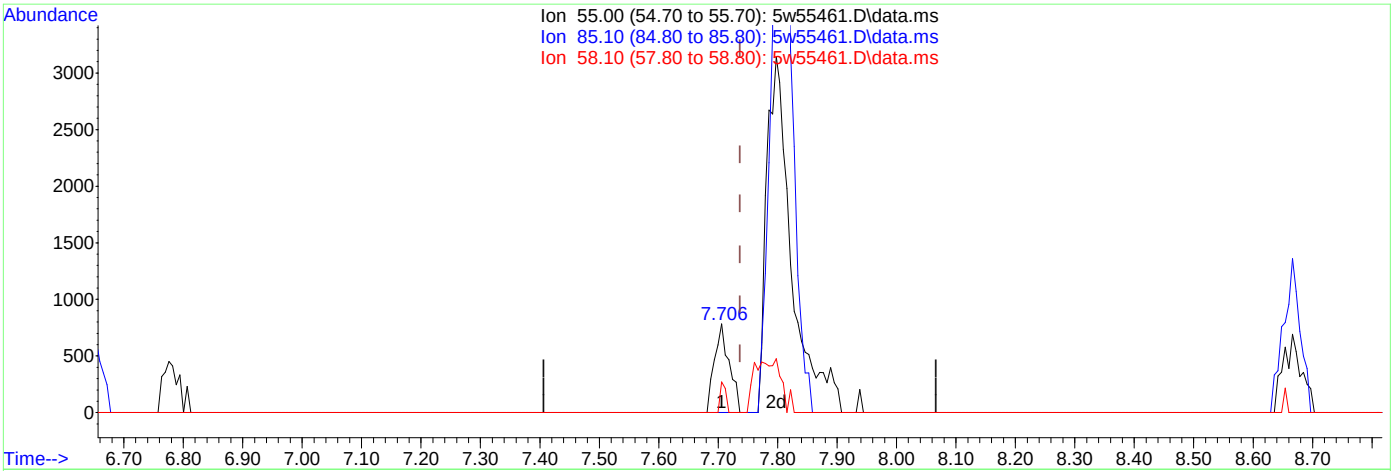
Quant Time: Dec 09 09:59:51 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

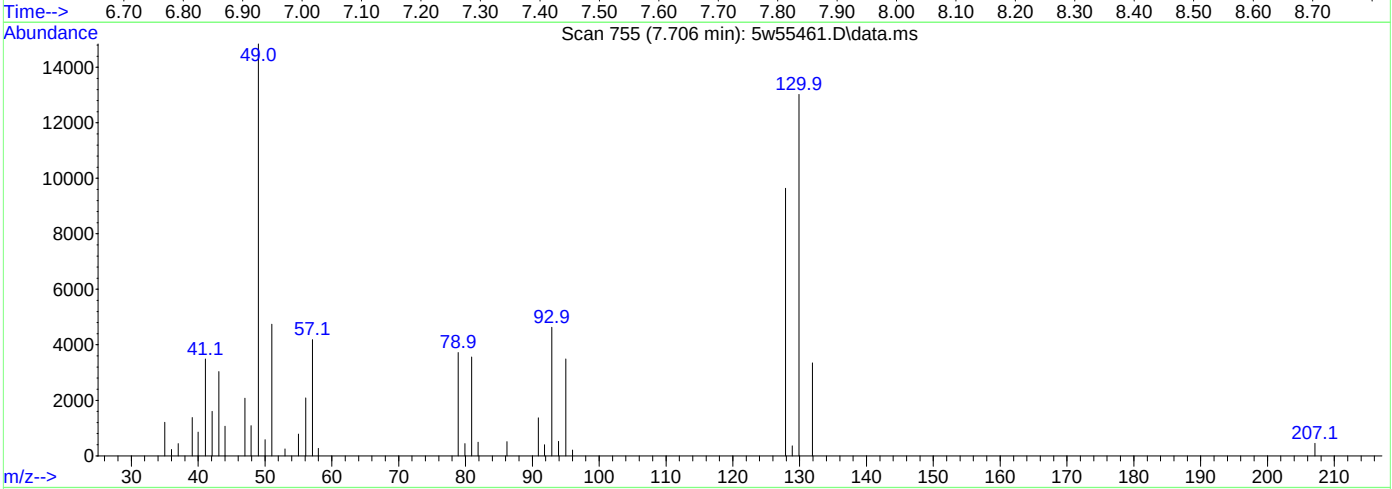


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 5w55461.D
Acq On : 9 Dec 2024 5:35 am
Operator : benk
Sample : ic2125-0.2
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 09:56:14 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration





TIC: 5w55461.D\data.ms

(45) METHYL ACRYLATE

7.706min (-0.031) 0.02PPBV

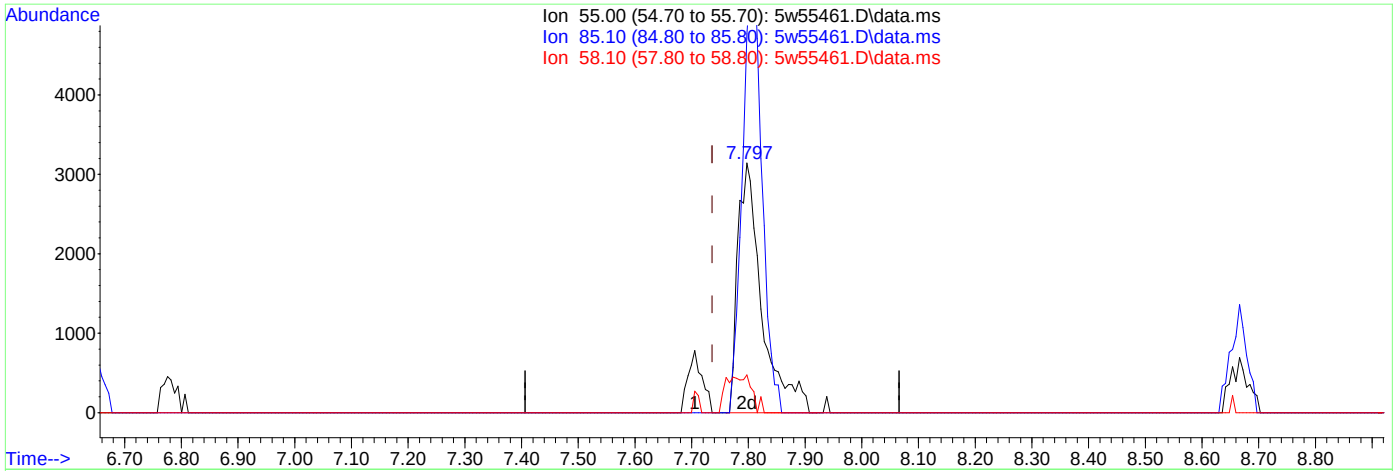
response 1349

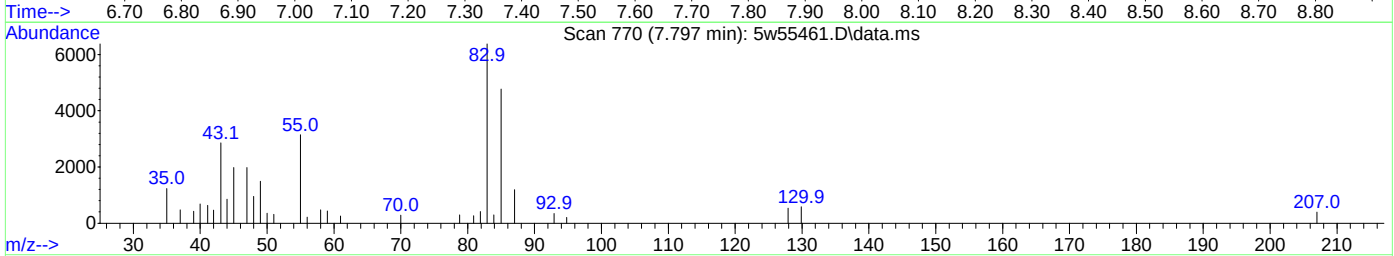
Ion	Exp%	Act%
55.00	100	100
85.10	16.30	0.00#
58.10	13.80	13.19
0.00	0.00	0.00

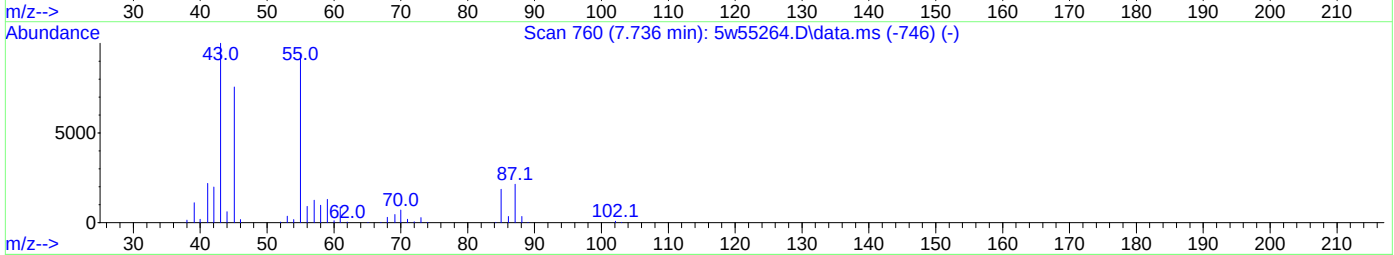
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 5w55461.D
Acq On : 9 Dec 2024 5:35 am
Operator : benk
Sample : ic2125-0.2
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 09:56:14 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration







TIC: 5w55461.D\data.ms

(45) METHYL ACRYLATE

7.797min (+0.061) 0.13PPBV m

response 9313

Ion	Exp%	Act%
55.00	100	100
85.10	16.30	0.00#
58.10	13.80	1.91#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55463.D
Acq On : 9 Dec 2024 6:59 am
Operator : benk
Sample : ic2125-0.5
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 09 10:05:07 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.663	128	330769	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.835	114	1512302	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	15.347	82	803446	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.663	128	330769	10.00	PPBV	#	0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	17.592	95	985952	10.80	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 108.00%				
Target Compounds							Qvalue
2) FREON 115	3.466	119	29319	0.53	PPBV		99
3) FREON 152A	3.546	65	13383	0.53	PPBV		99
4) CHLORODIFLUOROMETHANE	3.576	67	6908	0.51	PPBV		99
5) CHLOROTRIFLUOROETHENE	3.607	116	29810	0.52	PPBV		98
6) DICHLORODIFLUOROMETHANE	3.656	85	67318	0.54	PPBV		100
7) PROPYLENE	3.601	41	16353	0.57	PPBV		97
8) 1-CHLORO-1,1-DIFLUOROE...	3.754	65	72198	0.58	PPBV		99
9) FREON 114	3.839	85	94289	0.63	PPBV		96
10) CHLOROMETHANE	3.772	52	9386	0.61	PPBV		96
11) VINYL CHLORIDE	3.931	62	32272	0.60	PPBV		97
12) 1,3-BUTADIENE	4.029	54	22258	0.63	PPBV		92
13) n-BUTANE	4.066	43	46066	0.70	PPBV	#	95
14) BROMOMETHANE	4.231	94	34352	0.64	PPBV		99
15) CHLOROETHANE	4.359	64	15312	0.64	PPBV		97
16) DICHLOROFLUOROMETHANE	4.421	67	75373	0.64	PPBV		99
17) ACETONITRILE	4.635	41	25964	0.67	PPBV	#	91
18) ACROLEIN	4.733	56	11639	0.65	PPBV	#	70
19) FREON 123	4.733	83	77441	0.64	PPBV		99
20) FREON 123A	4.781	117	41439	0.64	PPBV		88
21) TRICHLOROFLUOROMETHANE	4.941	101	65623	0.59	PPBV		100
22) ISOPROPYL ALCOHOL	5.075	45	39268	0.56	PPBV		91
23) ACETONE	4.855	58	15107	0.70	PPBV		95
24) PENTANE	5.234	42	20184	0.57	PPBV		98
25) IODOMETHANE	5.418	142	52352	0.54	PPBV		99
26) 1,1-DICHLOROETHYLENE	5.479	96	19140	0.54	PPBV		99
27) CARBON DISULFIDE	5.852	76	57576	0.55	PPBV		94
28) ETHANOL	4.476	45	20172	0.78	PPBV		95
29) BROMOETHENE	4.622	106	29626	0.59	PPBV		94
30) ACRYLONITRILE	5.216	52	13527	0.61	PPBV		98
31) METHYLENE CHLORIDE	5.589	84	20169	0.60	PPBV		99
32) 3-CHLOROPROPENE	5.693	76	8647	0.50	PPBV		89
33) FREON 113	5.821	151	32099	0.55	PPBV		99
34) TRANS-1,2-DICHLOROETHY...	6.458	96	20028	0.53	PPBV		97
35) TERTIARY BUTYL ALCOHOL	5.620	59	35107	0.47	PPBV		94
36) METHYL TERTIARY BUTYL ...	6.757	73	52017	0.51	PPBV		94
37) TETRAHYDROFURAN	8.311	72	7703	0.46	PPBV		95
38) HEXANE	7.706	57	28766	0.51	PPBV		94
39) VINYL ACETATE	6.831	86	2531	0.38	PPBV	#	75
40) 1,1-DICHLOROETHANE	6.647	63	39839	0.56	PPBV		100
41) METHYL ETHYL KETONE	7.112	72	7562	0.44	PPBV		93
42) cis-1,2-DICHLOROETHYLENE	7.498	96	20793	0.53	PPBV		98
43) DIISOPROPYL ETHER	7.755	59	8150	0.47	PPBV	#	89
44) ETHYL ACETATE	7.791	61	5941	0.48	PPBV	#	72
45) METHYL ACRYLATE	7.773	55	30367m	0.44	PPBV		
46) CHLOROFORM	7.804	83	51722	0.59	PPBV		93
47) 2,4-DIMETHYLPENTANE	8.666	57	31054	0.49	PPBV		91
48) 1,1,1-TRICHLOROETHANE	8.874	97	49711	0.56	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55463.D
Acq On : 9 Dec 2024 6:59 am
Operator : benk
Sample : ic2125-0.5
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 09 10:05:07 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
49) CARBON TETRACHLORIDE	9.566	117	51155	0.54	PPBV		99
50) 1,2-DICHLOROETHANE	8.605	62	32790	0.56	PPBV		100
52) BENZENE	9.400	78	61342	0.54	PPBV		99
53) CYCLOHEXANE	9.700	84	22074	0.49	PPBV		99
54) 2,3-DIMETHYLPENTANE	10.000	71	12638	0.53	PPBV		99
55) TRICHLOROETHYLENE	10.648	95	29925	0.51	PPBV		99
56) 1,2-DICHLOROPROPANE	10.361	63	24473	0.52	PPBV		99
57) DIBROMOMETHANE	10.336	174	25731	0.49	PPBV		94
58) ETHYL ACRYLATE	10.459	55	34390	0.41	PPBV		97
59) BROMODICHLOROMETHANE	10.606	83	54534	0.51	PPBV		98
60) 2,2,4-TRIMETHYLPENTANE	10.685	57	91844	0.50	PPBV		99
61) 1,4-DIOXANE	10.752	88	11768	0.42	PPBV	#	1
62) HEPTANE	11.028	43	32330	0.51	PPBV		98
63) METHYL METHACRYLATE	10.966	69	18848	0.46	PPBV		83
64) METHYL ISOBUTYL KETONE	11.847	58	14953	0.43	PPBV		90
65) cis-1,3-DICHLOROPROPENE	11.737	75	36246	0.46	PPBV		98
66) TOLUENE	12.967	92	37107	0.44	PPBV		94
67) 1,3-DICHLOROPROPANE	13.016	76	36900	0.51	PPBV	#	99
68) trans-1,3-DICHLOROPROPENE	12.422	75	30719	0.41	PPBV		98
69) 1,1,2-TRICHLOROETHANE	12.618	83	25850	0.54	PPBV		96
71) 2-HEXANONE	13.414	58	18867	0.40	PPBV		81
72) ETHYL METHACRYLATE	13.420	69	27662	0.41	PPBV		96
73) TETRACHLOROETHYLENE	14.466	164	29587	0.56	PPBV		97
74) DIBROMOCHLOROMETHANE	13.511	129	49591	0.50	PPBV		99
75) 1,2-DIBROMOETHANE	13.830	107	43159	0.55	PPBV		100
76) OCTANE	14.331	43	39430	0.47	PPBV		98
77) 1,1,1,2-TETRACHLOROETHANE	15.390	131	33689	0.53	PPBV		99
78) CHLOROBENZENE	15.408	112	61057	0.57	PPBV		99
79) ETHYLBENZENE	15.965	91	85402	0.50	PPBV		100
80) m,p-XYLENE	16.234	106	62887	0.96	PPBV		97
81) o-XYLENE	16.901	106	31745	0.50	PPBV		99
82) STYRENE	16.754	104	41244	0.43	PPBV		99
83) NONANE	17.311	43	44116	0.51	PPBV		99
84) BROMOFORM	16.289	173	46583	0.47	PPBV		98
86) 1,1,2,2-TETRACHLOROETHANE	16.907	83	65656	0.55	PPBV		100
87) 1,2,3-TRICHLOROPROPANE	17.103	75	47874	0.57	PPBV		99
88) ISOPROPYLBENZENE	17.812	105	96512	0.51	PPBV		99
89) BROMOBENZENE	17.910	77	54823	0.55	PPBV		97
90) 2-CHLOROTOLUENE	18.552	126	22897	0.47	PPBV		98
91) n-PROPYLBENZENE	18.644	120	24216	0.48	PPBV		99
92) 4-ETHYLTOLUENE	18.883	105	90895	0.48	PPBV		98
93) 1,3,5-TRIMETHYLBENZENE	19.011	105	80703	0.51	PPBV		98
94) ALPHA-METHYLSTYRENE	19.256	118	33242	0.41	PPBV		98
95) tert-BUTYLBENZENE	19.611	134	15702	0.47	PPBV		96
96) 1,2,4-TRIMETHYLBENZENE	19.629	105	84521	0.49	PPBV		98
97) m-DICHLOROBENZENE	19.819	146	62123	0.50	PPBV		99
98) BENZYL CHLORIDE	19.813	91	70482	0.40	PPBV		99
99) p-DICHLOROBENZENE	19.923	146	63407	0.55	PPBV		99
100) sec-BUTYLBENZENE	20.015	134	20901	0.52	PPBV		93
101) 1,2,3-TRIMETHYLBENZENE	20.235	105	81958	0.48	PPBV	#	99
102) p-ISOPROPYLTOLUENE	20.265	134	24822	0.52	PPBV		99
103) o-DICHLOROBENZENE	20.406	146	59304	0.54	PPBV		100
104) n-BUTYLBENZENE	20.853	134	20380	0.44	PPBV	#	85
105) HEXACHLOROETHANE	21.318	117	42179	0.51	PPBV		98
106) HEXACHLOROBUTADIENE	23.361	225	47455	0.44	PPBV		98
107) 1,2,4-TRICHLOROBENZENE	23.220	180	41162	0.42	PPBV		100
108) NAPHTHALENE	22.890	128	92472	0.40	PPBV		98
110) TVHC as equiv Pentane	5.234	TIC	140261	0.60	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55463.D
Acq On : 9 Dec 2024 6:59 am
Operator : benk
Sample : ic2125-0.5
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 09 10:05:07 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

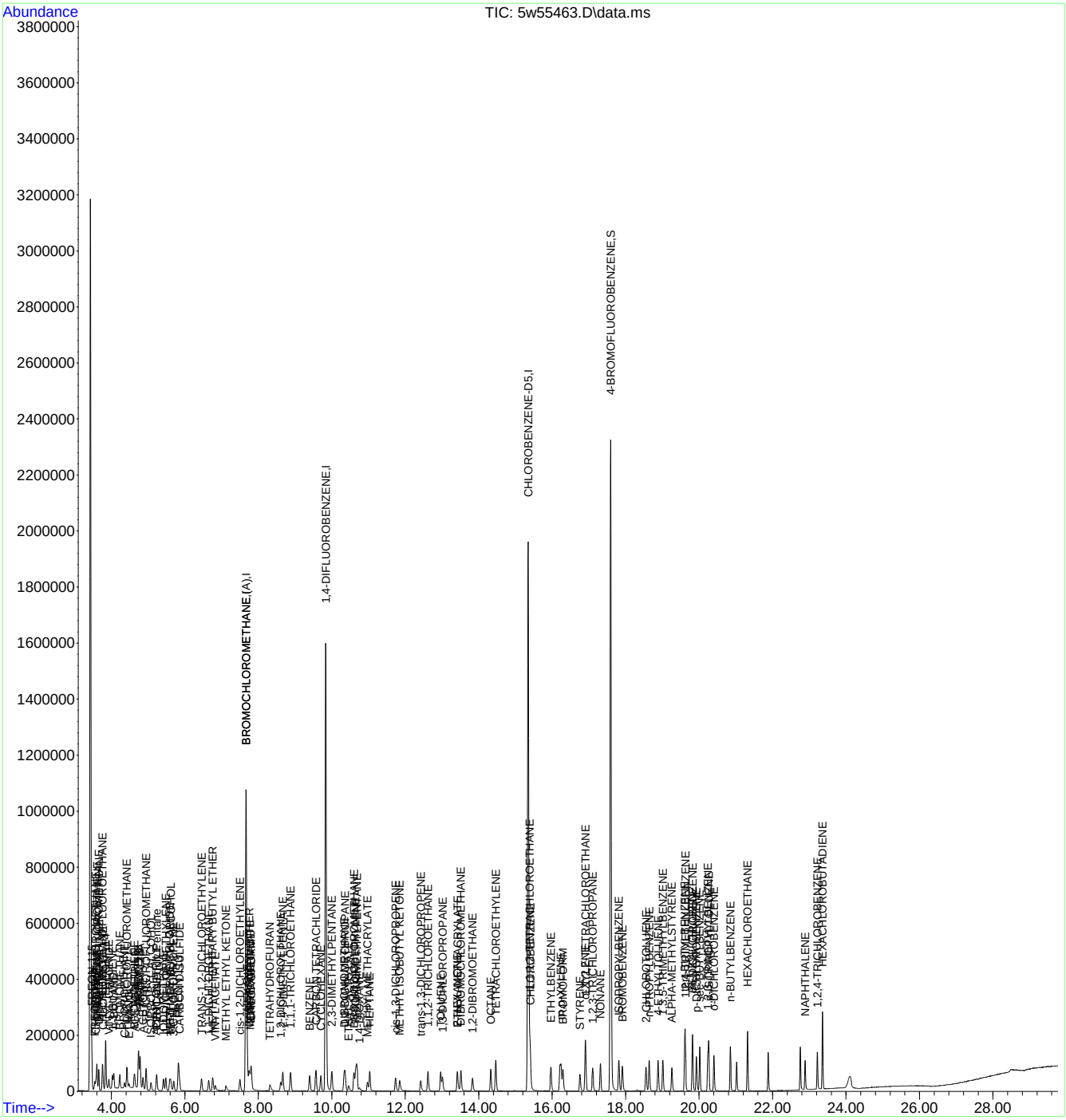
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55463.D
Acq On : 9 Dec 2024 6:59 am
Operator : benk
Sample : ic2125-0.5
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 6 Sample Multiplier: 1

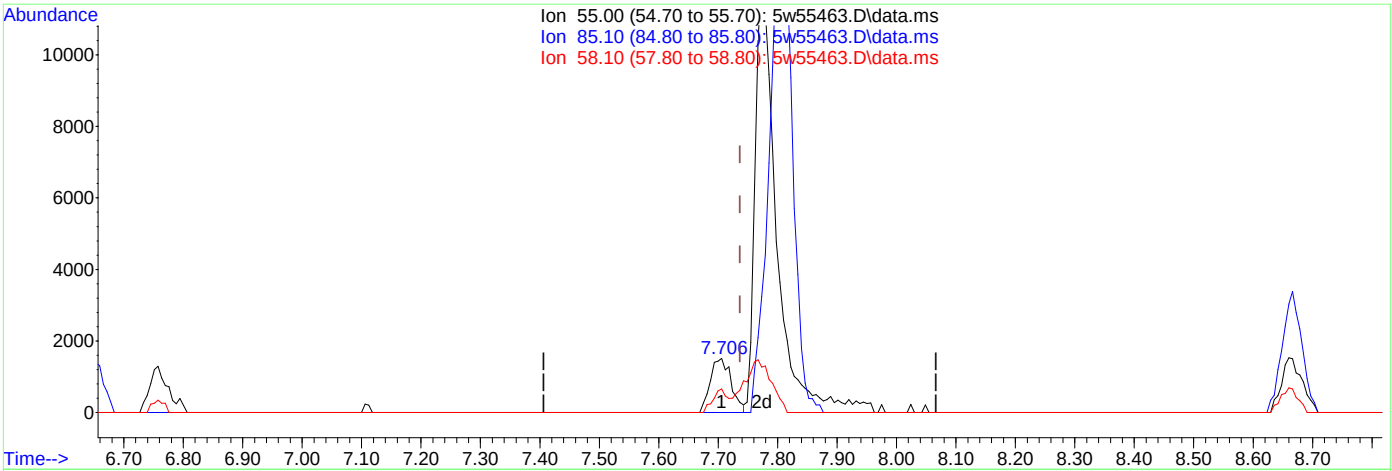
Quant Time: Dec 09 10:05:07 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

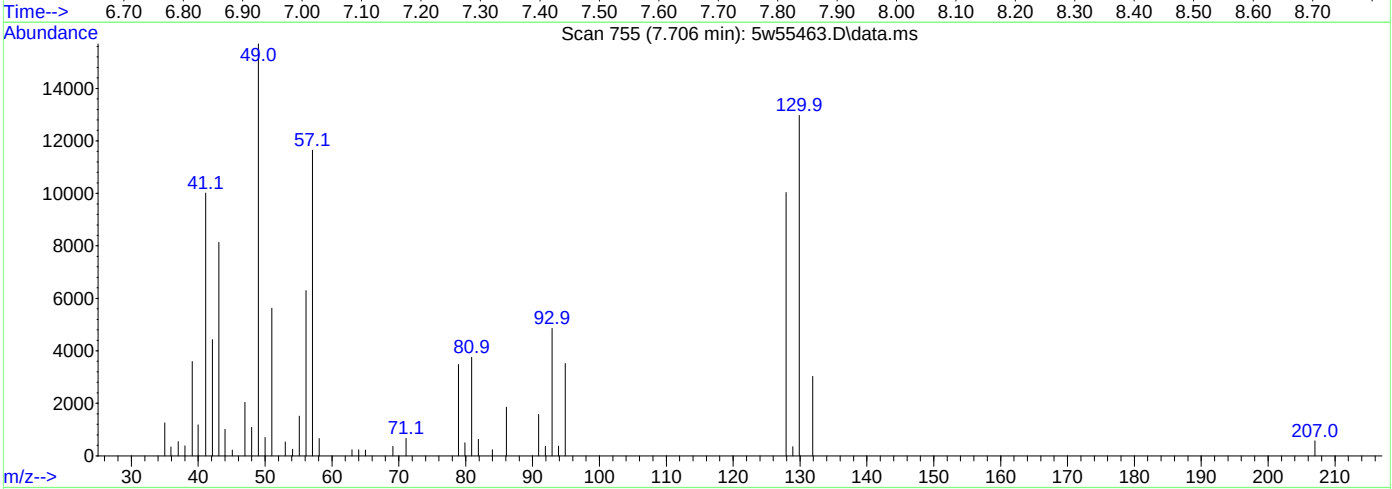


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 5w55463.D
Acq On : 9 Dec 2024 6:59 am
Operator : benk
Sample : ic2125-0.5
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 09 10:04:00 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration





TIC: 5w55463.D\data.ms

(45) METHYL ACRYLATE

7.706min (-0.031) 0.05PPBV

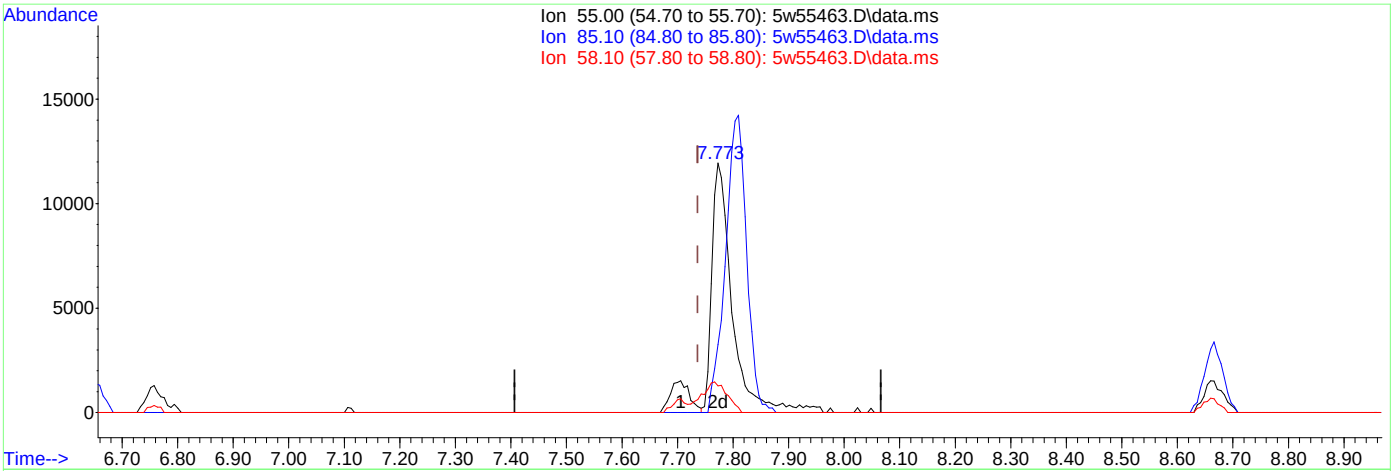
response 3694

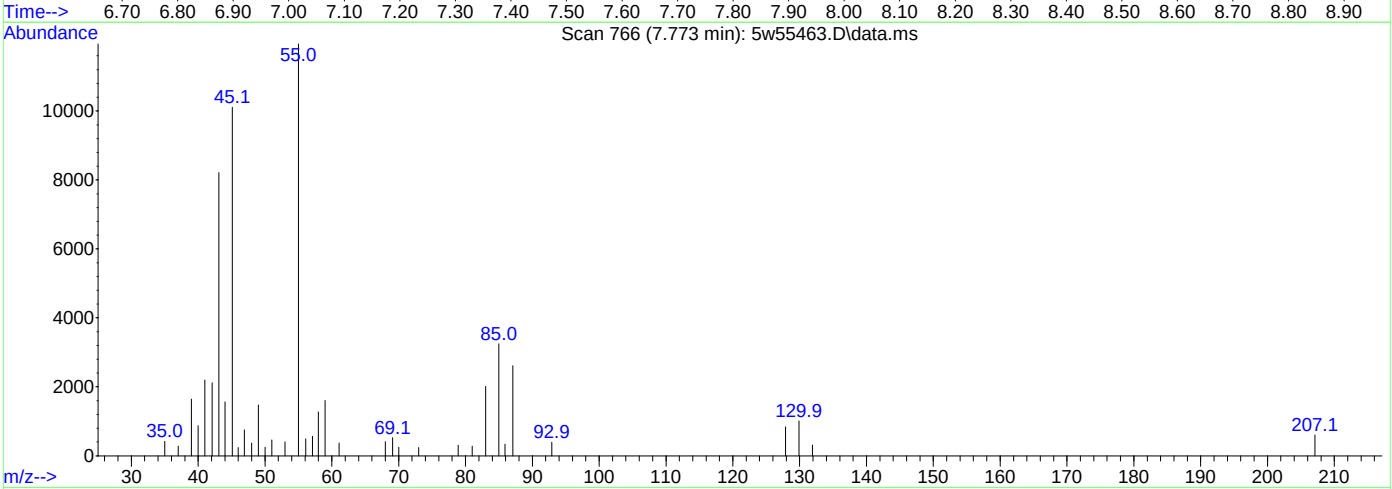
Ion	Exp%	Act%
55.00	100	100
85.10	16.30	0.00#
58.10	13.80	33.73#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 5w55463.D
Acq On : 9 Dec 2024 6:59 am
Operator : benk
Sample : ic2125-0.5
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 09 10:05:07 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration





TIC: 5w55463.D\data.ms

(45) METHYL ACRYLATE

7.773min (+0.037) 0.44PPBV m

response 30367

Ion	Exp%	Act%
55.00	100	100
85.10	16.30	0.00#
58.10	13.80	4.10#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55464.D
Acq On : 9 Dec 2024 7:45 am
Operator : benk
Sample : ic2125-5
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 09 10:08:17 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.669	128	327920	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.835	114	1483978	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	15.347	82	823417	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.669	128	327920	10.00	PPBV	#	0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	17.592	95	995950	10.64	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 106.40%				
Target Compounds							Qvalue
2) FREON 115	3.460	119	112593	2.06	PPBV		98
3) FREON 152A	3.546	65	138374	5.57	PPBV		99
4) CHLORODIFLUOROMETHANE	3.576	67	71231	5.35	PPBV		100
5) CHLOROTRIFLUOROETHENE	3.607	116	305049	5.34	PPBV		99
6) DICHLORODIFLUOROMETHANE	3.650	85	679721	5.49	PPBV		100
7) PROPYLENE	3.601	41	160514	5.68	PPBV		99
8) 1-CHLORO-1,1-DIFLUOROE...	3.754	65	719596	5.85	PPBV		99
9) FREON 114	3.839	85	918552	6.22	PPBV		97
10) CHLOROMETHANE	3.772	52	89496	5.90	PPBV	#	71
11) VINYL CHLORIDE	3.931	62	318611	5.93	PPBV		100
12) 1,3-BUTADIENE	4.029	54	216237	6.19	PPBV		98
13) n-BUTANE	4.066	43	413584	6.32	PPBV		98
14) BROMOMETHANE	4.231	94	319635	5.98	PPBV		98
15) CHLOROETHANE	4.353	64	140980	5.93	PPBV		99
16) DICHLOROFLUOROMETHANE	4.421	67	720353	6.14	PPBV		100
17) ACETONITRILE	4.622	41	231715	6.04	PPBV		100
18) ACROLEIN	4.714	56	103691	5.80	PPBV		99
19) FREON 123	4.733	83	730677	6.12	PPBV		99
20) FREON 123A	4.775	117	396421	6.14	PPBV		94
21) TRICHLOROFLUOROMETHANE	4.941	101	629552	5.66	PPBV		100
22) ISOPROPYL ALCOHOL	5.038	45	341979	4.90	PPBV		96
23) ACETONE	4.830	58	136235	6.39	PPBV		97
24) PENTANE	5.228	42	201069	5.72	PPBV		100
25) IODOMETHANE	5.418	142	526543	5.43	PPBV		100
26) 1,1-DICHLOROETHYLENE	5.479	96	189977	5.42	PPBV		100
27) CARBON DISULFIDE	5.852	76	580467	5.55	PPBV		99
28) ETHANOL	4.457	45	137349	5.34	PPBV		98
29) BROMOETHENE	4.616	106	289326	5.82	PPBV		99
30) ACRYLONITRILE	5.204	52	145480	6.60	PPBV		99
31) METHYLENE CHLORIDE	5.589	84	187716	5.61	PPBV		98
32) 3-CHLOROPROPENE	5.693	76	89978	5.26	PPBV		97
33) FREON 113	5.822	151	310417	5.35	PPBV		98
34) TRANS-1,2-DICHLOROETHY...	6.452	96	194904	5.24	PPBV		99
35) TERTIARY BUTYL ALCOHOL	5.558	59	337505	4.54	PPBV		98
36) METHYL TERTIARY BUTYL ...	6.715	73	543685	5.34	PPBV		99
37) TETRAHYDROFURAN	8.256	72	86439	5.17	PPBV		98
38) HEXANE	7.706	57	308459	5.52	PPBV		100
39) VINYL ACETATE	6.806	86	34745	5.27	PPBV	#	93
40) 1,1-DICHLOROETHANE	6.647	63	386526	5.53	PPBV		99
41) METHYL ETHYL KETONE	7.063	72	91801	5.38	PPBV		94
42) cis-1,2-DICHLOROETHYLENE	7.498	96	208218	5.31	PPBV		99
43) DIISOPROPYL ETHER	7.718	59	92706	5.43	PPBV		97
44) ETHYL ACETATE	7.761	61	65000	5.24	PPBV	#	38
45) METHYL ACRYLATE	7.736	55	368255	5.42	PPBV		98
46) CHLOROFORM	7.810	83	482374	5.58	PPBV		100
47) 2,4-DIMETHYLPENTANE	8.660	57	341067	5.46	PPBV		99
48) 1,1,1-TRICHLOROETHANE	8.874	97	479650	5.48	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55464.D
Acq On : 9 Dec 2024 7:45 am
Operator : benk
Sample : ic2125-5
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 09 10:08:17 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
49)	CARBON TETRACHLORIDE	9.566	117	513289	5.43	PPBV		100
50)	1,2-DICHLOROETHANE	8.605	62	319305	5.50	PPBV		99
52)	BENZENE	9.400	78	616501	5.51	PPBV		100
53)	CYCLOHEXANE	9.700	84	238638	5.36	PPBV		99
54)	2,3-DIMETHYLPENTANE	10.000	71	125899	5.37	PPBV		97
55)	TRICHLOROETHYLENE	10.648	95	298892	5.18	PPBV		99
56)	1,2-DICHLOROPROPANE	10.361	63	245875	5.34	PPBV		99
57)	DIBROMOMETHANE	10.336	174	261552	5.04	PPBV		97
58)	ETHYL ACRYLATE	10.416	55	425993	5.12	PPBV		99
59)	BROMODICHLOROMETHANE	10.606	83	540223	5.18	PPBV		100
60)	2,2,4-TRIMETHYLPENTANE	10.685	57	973540	5.44	PPBV		99
61)	1,4-DIOXANE	10.685	88	122741	4.50	PPBV	#	1
62)	HEPTANE	11.028	43	344774	5.60	PPBV		99
63)	METHYL METHACRYLATE	10.942	69	214720	5.32	PPBV		98
64)	METHYL ISOBUTYL KETONE	11.799	58	181412	5.28	PPBV		100
65)	cis-1,3-DICHLOROPROPENE	11.731	75	402547	5.22	PPBV		99
66)	TOLUENE	12.961	92	422478	5.15	PPBV		99
67)	1,3-DICHLOROPROPANE	13.004	76	379761	5.34	PPBV	#	99
68)	trans-1,3-DICHLOROPROPENE	12.410	75	358104	4.84	PPBV		100
69)	1,1,2-TRICHLOROETHANE	12.612	83	249437	5.34	PPBV		99
71)	2-HEXANONE	13.371	58	255379	5.25	PPBV		99
72)	ETHYL METHACRYLATE	13.389	69	365412	5.22	PPBV		99
73)	TETRACHLOROETHYLENE	14.466	164	302043	5.57	PPBV		99
74)	DIBROMOCHLOROMETHANE	13.511	129	540159	5.27	PPBV		100
75)	1,2-DIBROMOETHANE	13.823	107	450832	5.58	PPBV		100
76)	OCTANE	14.325	43	480408	5.59	PPBV		99
77)	1,1,1,2-TETRACHLOROETHANE	15.390	131	351959	5.45	PPBV		99
78)	CHLOROBENZENE	15.408	112	608780	5.52	PPBV		99
79)	ETHYLBENZENE	15.959	91	974334	5.59	PPBV		100
80)	m,p-XYLENE	16.234	106	735362	10.95	PPBV		98
81)	o-XYLENE	16.901	106	369565	5.63	PPBV		99
82)	STYRENE	16.748	104	552274	5.56	PPBV		99
83)	NONANE	17.311	43	513330	5.74	PPBV		100
84)	BROMOFORM	16.289	173	529096	5.17	PPBV		100
86)	1,1,2,2-TETRACHLOROETHANE	16.907	83	682433	5.57	PPBV		100
87)	1,2,3-TRICHLOROPROPANE	17.096	75	482523	5.57	PPBV		99
88)	ISOPROPYLBENZENE	17.812	105	1073018	5.53	PPBV		100
89)	BROMOBENZENE	17.904	77	566636	5.50	PPBV		98
90)	2-CHLOROTOLUENE	18.546	126	264838	5.36	PPBV		100
91)	n-PROPYLBENZENE	18.638	120	284766	5.48	PPBV		100
92)	4-ETHYLTOLUENE	18.877	105	1089019	5.65	PPBV		100
93)	1,3,5-TRIMETHYLBENZENE	19.011	105	921119	5.67	PPBV		100
94)	ALPHA-METHYLSTYRENE	19.256	118	437586	5.24	PPBV		99
95)	tert-BUTYLBENZENE	19.611	134	191242	5.58	PPBV		99
96)	1,2,4-TRIMETHYLBENZENE	19.623	105	990160	5.65	PPBV		99
97)	m-DICHLOROBENZENE	19.819	146	668502	5.25	PPBV		100
98)	BENZYL CHLORIDE	19.813	91	906932	5.04	PPBV		100
99)	p-DICHLOROBENZENE	19.923	146	664978	5.67	PPBV		100
100)	sec-BUTYLBENZENE	20.015	134	236216	5.70	PPBV		96
101)	1,2,3-TRIMETHYLBENZENE	20.235	105	964327	5.56	PPBV	#	100
102)	p-ISOPROPYLTOLUENE	20.259	134	276086	5.66	PPBV		100
103)	o-DICHLOROBENZENE	20.406	146	622668	5.58	PPBV		100
104)	n-BUTYLBENZENE	20.853	134	258808	5.51	PPBV		98
105)	HEXACHLOROETHANE	21.318	117	467063	5.52	PPBV		99
106)	HEXACHLOROBUTADIENE	23.367	225	522385	4.72	PPBV		100
107)	1,2,4-TRICHLOROBENZENE	23.220	180	465755	4.65	PPBV		99
108)	NAPHTHALENE	22.884	128	1115447	4.69	PPBV		99
110)	TVHC as equiv Pentane	5.228	TIC	1399979	6.08	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55464.D
Acq On : 9 Dec 2024 7:45 am
Operator : benk
Sample : ic2125-5
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 09 10:08:17 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

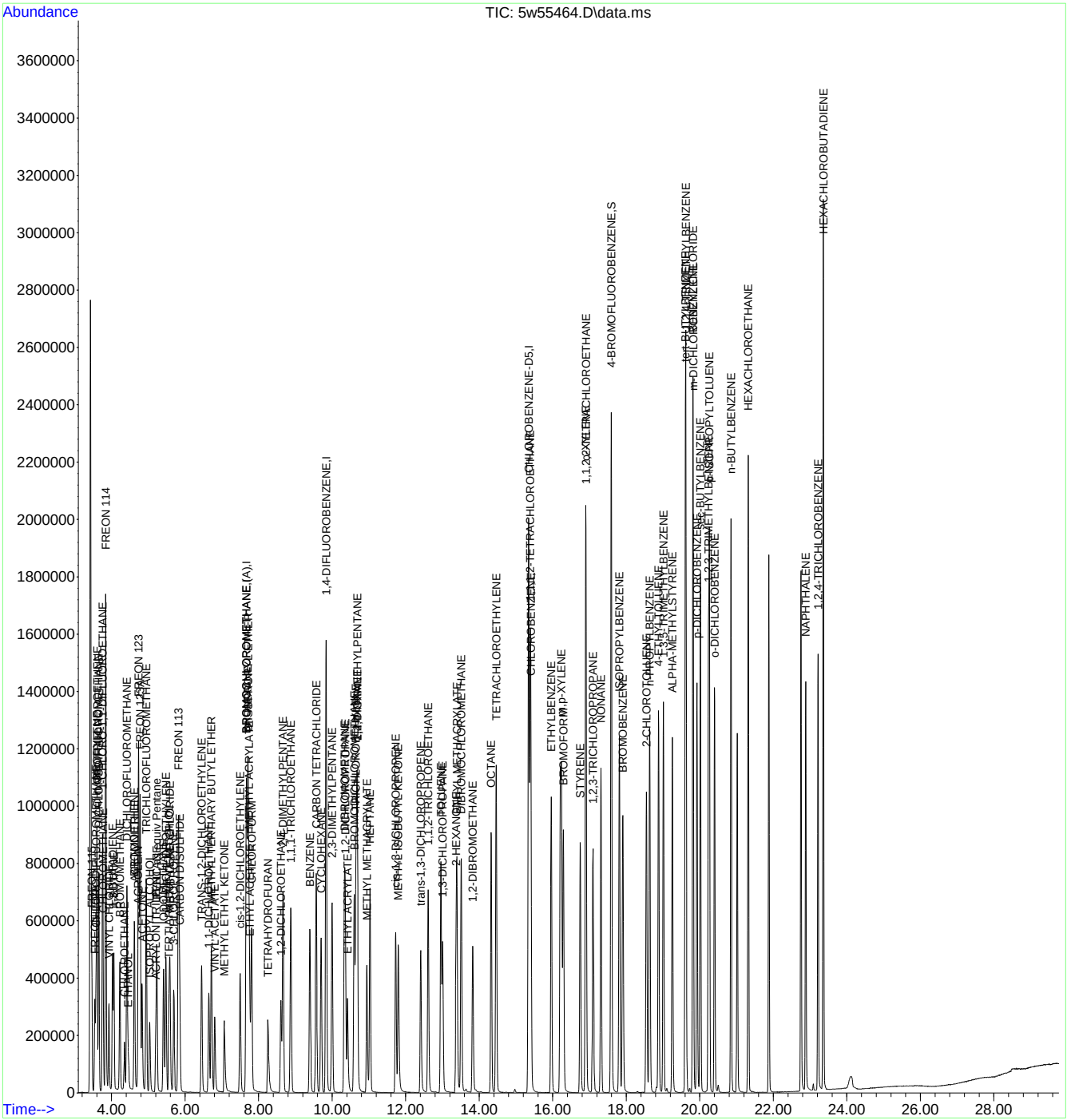
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55464.D
Acq On : 9 Dec 2024 7:45 am
Operator : benk
Sample : ic2125-5
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 09 10:08:17 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55466.D
Acq On : 9 Dec 2024 9:03 am
Operator : benk
Sample : icc2125-10
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 09:37:50 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.669	128	339202	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.835	114	1511260	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	15.347	82	875250	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.669	128	339202	10.00	PPBV	#	0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	17.592	95	994958	10.00	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 100.00%				
Target Compounds							Qvalue
2) FREON 115	3.466	119	605693	10.70	PPBV		100
3) FREON 152A	3.546	65	275104	10.70	PPBV		100
4) CHLORODIFLUOROMETHANE	3.576	67	146118	10.60	PPBV		100
5) CHLOROTRIFLUOROETHENE	3.607	116	620588	10.50	PPBV		100
6) DICHLORODIFLUOROMETHANE	3.656	85	1357955	10.60	PPBV		100
7) PROPYLENE	3.601	41	318393	10.90	PPBV		100
8) 1-CHLORO-1,1-DIFLUOROE...	3.754	65	1349681	10.60	PPBV		100
9) FREON 114	3.839	85	1681548	11.00	PPBV		100
10) CHLOROMETHANE	3.772	52	163220	10.40	PPBV		100
11) VINYL CHLORIDE	3.931	62	572748	10.30	PPBV		100
12) 1,3-BUTADIENE	4.029	54	390556	10.80	PPBV		100
13) n-BUTANE	4.066	43	731849	10.81	PPBV		100
14) BROMOMETHANE	4.231	94	580880	10.50	PPBV		100
15) CHLOROETHANE	4.353	64	255610	10.40	PPBV		100
16) DICHLOROFLUOROMETHANE	4.421	67	1285896	10.60	PPBV		100
17) ACETONITRILE	4.622	41	400956	10.10	PPBV		100
18) ACROLEIN	4.714	56	194255	10.50	PPBV		100
19) FREON 123	4.733	83	1310076	10.60	PPBV		100
20) FREON 123A	4.775	117	734746	11.00	PPBV		100
21) TRICHLOROFLUOROMETHANE	4.947	101	1219357	10.60	PPBV		100
22) ISOPROPYL ALCOHOL	5.032	45	764798	10.60	PPBV		100
23) ACETONE	4.824	58	227018	10.30	PPBV		100
24) PENTANE	5.234	42	396405	10.90	PPBV		100
25) IODOMETHANE	5.418	142	1102700	11.00	PPBV		100
26) 1,1-DICHLOROETHYLENE	5.485	96	387658	10.70	PPBV		100
27) CARBON DISULFIDE	5.852	76	1147721	10.60	PPBV		100
28) ETHANOL	4.457	45	271251	10.20	PPBV		100
29) BROMOETHENE	4.622	106	544999	10.60	PPBV		100
30) ACRYLONITRILE	5.204	52	251010	11.01	PPBV		100
31) METHYLENE CHLORIDE	5.595	84	363117	10.50	PPBV		100
32) 3-CHLOROPROPENE	5.693	76	185861	10.50	PPBV		100
33) FREON 113	5.822	151	636251	10.60	PPBV		100
34) TRANS-1,2-DICHLOROETHY...	6.452	96	404191	10.50	PPBV		100
35) TERTIARY BUTYL ALCOHOL	5.546	59	761817	9.90	PPBV		100
36) METHYL TERTIARY BUTYL ...	6.715	73	1138359	10.80	PPBV		100
37) TETRAHYDROFURAN	8.244	72	181760	10.50	PPBV		100
38) HEXANE	7.706	57	624158	10.80	PPBV		100
39) VINYL ACETATE	6.806	86	70963	10.40	PPBV		100
40) 1,1-DICHLOROETHANE	6.647	63	773941	10.70	PPBV		100
41) METHYL ETHYL KETONE	7.057	72	190475	10.80	PPBV		100
42) cis-1,2-DICHLOROETHYLENE	7.498	96	434152	10.70	PPBV		100
43) DIISOPROPYL ETHER	7.718	59	190722	10.80	PPBV		100
44) ETHYL ACETATE	7.749	61	138469	10.80	PPBV	#	100
45) METHYL ACRYLATE	7.736	55	759561	10.81	PPBV		100
46) CHLOROFORM	7.810	83	965951	10.80	PPBV		100
47) 2,4-DIMETHYLPENTANE	8.666	57	697723	10.80	PPBV		100
48) 1,1,1-TRICHLOROETHANE	8.874	97	978590	10.80	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55466.D
Acq On : 9 Dec 2024 9:03 am
Operator : benk
Sample : icc2125-10
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 09:37:50 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
49) CARBON TETRACHLORIDE	9.566	117	1055955	10.80	PPBV		100
50) 1,2-DICHLOROETHANE	8.605	62	654982	10.90	PPBV		100
52) BENZENE	9.400	78	1252492	11.00	PPBV		100
53) CYCLOHEXANE	9.700	84	494054	10.90	PPBV		100
54) 2,3-DIMETHYLPENTANE	10.000	71	257829	10.80	PPBV		100
55) TRICHLOROETHYLENE	10.655	95	617097	10.50	PPBV		100
56) 1,2-DICHLOROPROPANE	10.361	63	491975	10.50	PPBV		100
57) DIBROMOMETHANE	10.336	174	554921	10.50	PPBV		100
58) ETHYL ACRYLATE	10.416	55	906659	10.70	PPBV		100
59) BROMODICHLOROMETHANE	10.606	83	1114691	10.50	PPBV		100
60) 2,2,4-TRIMETHYLPENTANE	10.685	57	1969454	10.80	PPBV		100
61) 1,4-DIOXANE	10.673	88	291854	10.50	PPBV		100
62) HEPTANE	11.028	43	690296	11.00	PPBV		100
63) METHYL METHACRYLATE	10.936	69	448158	10.90	PPBV		100
64) METHYL ISOBUTYL KETONE	11.792	58	377985	10.80	PPBV		100
65) cis-1,3-DICHLOROPROPENE	11.731	75	840076	10.70	PPBV		100
66) TOLUENE	12.961	92	885739	10.60	PPBV		100
67) 1,3-DICHLOROPROPANE	13.010	76	767017	10.60	PPBV	#	100
68) trans-1,3-DICHLOROPROPENE	12.410	75	768015	10.20	PPBV		100
69) 1,1,2-TRICHLOROETHANE	12.612	83	509433	10.70	PPBV		100
71) 2-HEXANONE	13.365	58	548403	10.60	PPBV		100
72) ETHYL METHACRYLATE	13.389	69	781201	10.50	PPBV		100
73) TETRACHLOROETHYLENE	14.466	164	628078	10.90	PPBV		100
74) DIBROMOCHLOROMETHANE	13.511	129	1144713	10.50	PPBV		100
75) 1,2-DIBROMOETHANE	13.823	107	943815	11.00	PPBV		100
76) OCTANE	14.331	43	995955	10.90	PPBV		100
77) 1,1,1,2-TETRACHLOROETHANE	15.390	131	741767	10.80	PPBV		100
78) CHLOROBENZENE	15.408	112	1266085	10.80	PPBV		100
79) ETHYLBENZENE	15.959	91	2039775	11.00	PPBV		100
80) m,p-XYLENE	16.234	106	1527990	21.40	PPBV		100
81) o-XYLENE	16.901	106	760103	10.90	PPBV		100
82) STYRENE	16.754	104	1162167	11.00	PPBV		100
83) NONANE	17.311	43	1035723	10.90	PPBV		100
84) BROMOFORM	16.289	173	1163343	10.70	PPBV		100
86) 1,1,2,2-TETRACHLOROETHANE	16.907	83	1418746	10.90	PPBV		100
87) 1,2,3-TRICHLOROPROPANE	17.096	75	975518	10.60	PPBV		100
88) ISOPROPYLBENZENE	17.812	105	2187498	10.60	PPBV		100
89) BROMOBENZENE	17.910	77	1139573	10.40	PPBV		100
90) 2-CHLOROTOLUENE	18.546	126	541116	10.30	PPBV		100
91) n-PROPYLBENZENE	18.638	120	585017	10.60	PPBV		100
92) 4-ETHYLTOLUENE	18.883	105	2232548	10.90	PPBV		100
93) 1,3,5-TRIMETHYLBENZENE	19.011	105	1882828	10.90	PPBV		100
94) ALPHA-METHYLSTYRENE	19.256	118	922485	10.40	PPBV		100
95) tert-BUTYLBENZENE	19.611	134	400422	11.00	PPBV		100
96) 1,2,4-TRIMETHYLBENZENE	19.629	105	2047810	11.00	PPBV		100
97) m-DICHLOROBENZENE	19.819	146	1407750	10.40	PPBV		100
98) BENZYL CHLORIDE	19.813	91	1990839	10.40	PPBV		100
99) p-DICHLOROBENZENE	19.923	146	1359653	10.90	PPBV		100
100) sec-BUTYLBENZENE	20.015	134	479738	10.90	PPBV		100
101) 1,2,3-TRIMETHYLBENZENE	20.235	105	1974262	10.70	PPBV	#	100
102) p-ISOPROPYLTOLUENE	20.265	134	559789	10.80	PPBV		100
103) o-DICHLOROBENZENE	20.406	146	1269083	10.70	PPBV		100
104) n-BUTYLBENZENE	20.853	134	539061	10.80	PPBV		100
105) HEXACHLOROETHANE	21.318	117	988753	11.00	PPBV		100
106) HEXACHLOROBUTADIENE	23.367	225	1271645	10.80	PPBV		100
107) 1,2,4-TRICHLOROBENZENE	23.220	180	1160909	10.90	PPBV		100
108) NAPHTHALENE	22.884	128	2753803	10.90	PPBV		100
110) TVHC as equiv Pentane	5.234	TIC	2596090	10.90	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55466.D
Acq On : 9 Dec 2024 9:03 am
Operator : benk
Sample : icc2125-10
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 09:37:50 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

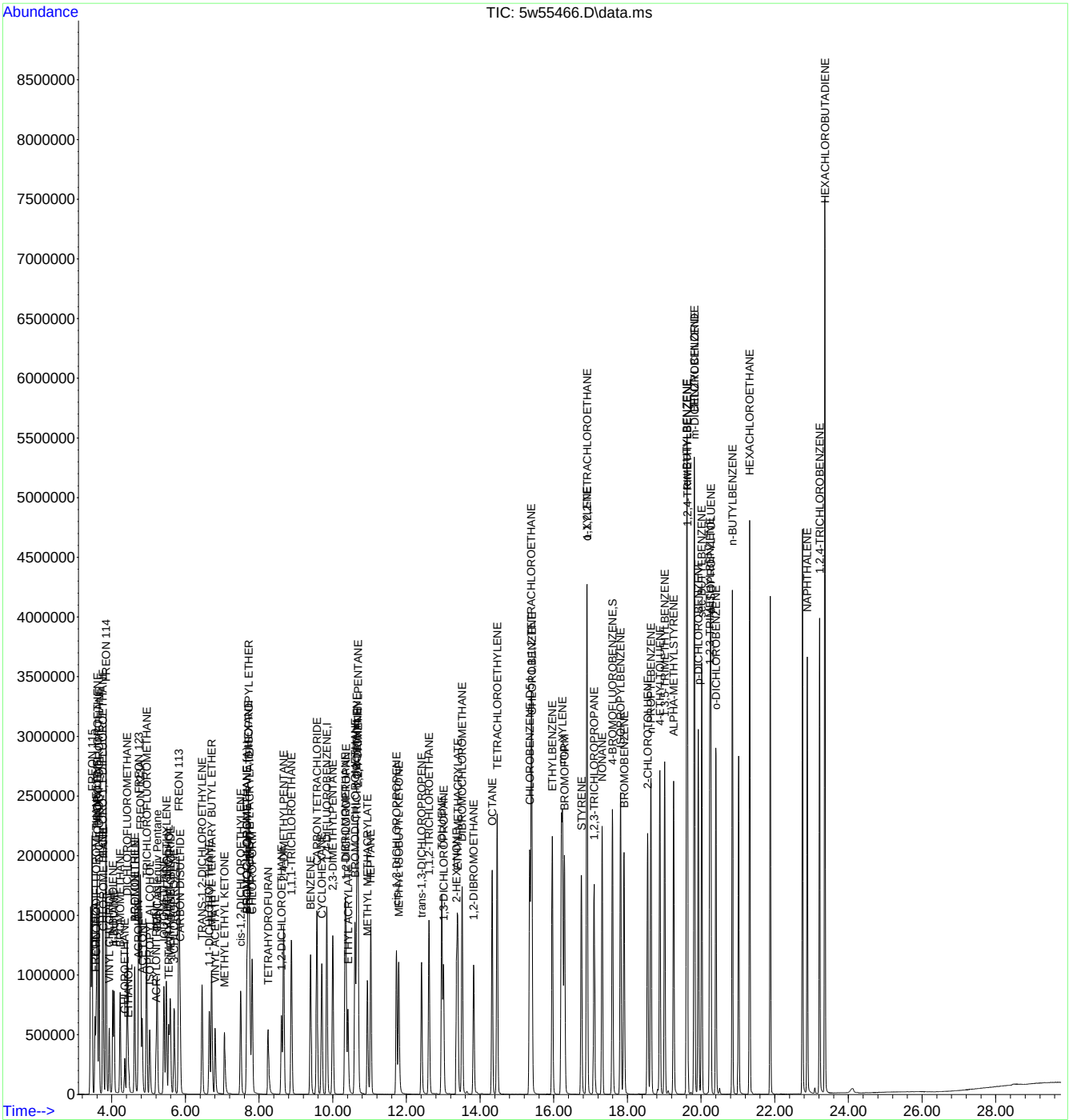
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55466.D
Acq On : 9 Dec 2024 9:03 am
Operator : benk
Sample : icc2125-10
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 09:37:50 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55467.D
Acq On : 9 Dec 2024 9:45 am
Operator : benk
Sample : ic2125-20
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 10:15:13 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 10:14:37 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	7.675	128	342882	10.00	PPBV	0.00
51) 1,4-DIFLUOROBENZENE	9.841	114	1466721	10.00	PPBV	0.00
70) CHLOROBENZENE-D5	15.347	82	922805	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	7.675	128	342882	10.00	PPBV	# 0.00
System Monitoring Compounds						
85) 4-BROMOFLUOROBENZENE	17.592	95	962216	8.66	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 86.60%			
Target Compounds						Qvalue
2) FREON 115	3.466	119	934470	19.68	PPBV	98
3) FREON 152A	3.546	65	555724	22.02	PPBV	100
4) CHLORODIFLUOROMETHANE	3.576	67	300670	23.90	PPBV	100
5) CHLOROTRIFLUOROETHENE	3.607	116	1281526	22.22	PPBV	100
6) DICHLORODIFLUOROMETHANE	3.656	85	2693197	21.30	PPBV	100
7) PROPYLENE	3.601	41	643425	19.46	PPBV	98
8) 1-CHLORO-1,1-DIFLUOROE...	3.754	65	2571204	18.91	PPBV	100
9) FREON 114	3.839	85	3131351	18.84	PPBV	98
10) CHLOROMETHANE	3.772	52	310103	17.98	PPBV	96
11) VINYL CHLORIDE	3.931	62	1066972	17.42	PPBV	99
12) 1,3-BUTADIENE	4.029	54	737734	17.78	PPBV	99
13) n-BUTANE	4.066	43	1358072	16.34	PPBV	99
14) BROMOMETHANE	4.231	94	1092994	16.45	PPBV	99
15) CHLOROETHANE	4.353	64	475231	16.78	PPBV	100
16) DICHLOROFLUOROMETHANE	4.421	67	2390761	16.93	PPBV	100
17) ACETONITRILE	4.622	41	742883	15.46	PPBV	99
18) ACROLEIN	4.714	56	362625	18.04	PPBV	100
19) FREON 123	4.733	83	2426147	17.04	PPBV	99
20) FREON 123A	4.782	117	1384065	18.79	PPBV	97
21) TRICHLOROFLUOROMETHANE	4.947	101	2407405	20.30	PPBV	99
22) ISOPROPYL ALCOHOL	5.026	45	1487631	18.75	PPBV	100
23) ACETONE	4.818	58	409828	12.79	PPBV	100
24) PENTANE	5.234	42	771291	20.37	PPBV	99
25) IODOMETHANE	5.418	142	2200301	23.28	PPBV	99
26) 1,1-DICHLOROETHYLENE	5.485	96	762107	20.94	PPBV	100
27) CARBON DISULFIDE	5.852	76	2235145	21.22	PPBV	99
28) ETHANOL	4.457	45	502201	15.69	PPBV	100
29) BROMOETHENE	4.622	106	1034552	19.32	PPBV	100
30) ACRYLONITRILE	5.204	52	489577	14.31	PPBV	99
31) METHYLENE CHLORIDE	5.595	84	698189	18.40	PPBV	100
32) 3-CHLOROPROPENE	5.699	76	362658	21.91	PPBV	99
33) FREON 113	5.822	151	1282144	21.91	PPBV	99
34) TRANS-1,2-DICHLOROETHY...	6.452	96	795699	20.82	PPBV	99
35) TERTIARY BUTYL ALCOHOL	5.540	59	1504766	22.16	PPBV	99
36) METHYL TERTIARY BUTYL ...	6.709	73	2261702	23.80	PPBV	100
37) TETRAHYDROFURAN	8.232	72	361477	26.09	PPBV	98
38) HEXANE	7.706	57	1299772	25.51	PPBV	98
39) VINYL ACETATE	6.807	86	150354	28.46	PPBV	# 94
40) 1,1-DICHLOROETHANE	6.654	63	1502107	20.85	PPBV	100
41) METHYL ETHYL KETONE	7.051	72	374963	27.41	PPBV	97
42) cis-1,2-DICHLOROETHYLENE	7.504	96	852592	21.70	PPBV	99
43) DIISOPROPYL ETHER	7.718	59	397171	26.25	PPBV	96
44) ETHYL ACETATE	7.749	61	275669	27.45	PPBV	# 99
45) METHYL ACRYLATE	7.736	55	1562708	25.53	PPBV	99
46) CHLOROFORM	7.816	83	1887887	21.07	PPBV	99
47) 2,4-DIMETHYLPENTANE	8.666	57	1404201	24.81	PPBV	99
48) 1,1,1-TRICHLOROETHANE	8.880	97	1974201	22.31	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55467.D
Acq On : 9 Dec 2024 9:45 am
Operator : benk
Sample : ic2125-20
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 10:15:13 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 10:14:37 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
49)	CARBON TETRACHLORIDE	9.572	117	2157722	23.55	PPBV		100
50)	1,2-DICHLOROETHANE	8.605	62	1304364	23.01	PPBV		100
52)	BENZENE	9.400	78	2480296	24.21	PPBV		100
53)	CYCLOHEXANE	9.700	84	977006	26.51	PPBV		100
54)	2,3-DIMETHYLPENTANE	10.000	71	518636	25.98	PPBV		100
55)	TRICHLOROETHYLENE	10.655	95	1261399	24.13	PPBV		99
56)	1,2-DICHLOROPROPANE	10.361	63	995547	22.86	PPBV		99
57)	DIBROMOMETHANE	10.336	174	1159519	22.34	PPBV		99
58)	ETHYL ACRYLATE	10.410	55	1809029	28.78	PPBV		100
59)	BROMODICHLOROMETHANE	10.606	83	2255590	24.75	PPBV		100
60)	2,2,4-TRIMETHYLPENTANE	10.691	57	3898314	25.47	PPBV		100
61)	1,4-DIOXANE	10.667	88	596545	26.92	PPBV	#	34
62)	HEPTANE	11.034	43	1372329	25.70	PPBV		99
63)	METHYL METHACRYLATE	10.936	69	886208	27.70	PPBV		99
64)	METHYL ISOBUTYL KETONE	11.786	58	763728	28.95	PPBV		99
65)	cis-1,3-DICHLOROPROPENE	11.731	75	1712055	27.85	PPBV		99
66)	TOLUENE	12.961	92	1782618	26.48	PPBV		99
67)	1,3-DICHLOROPROPANE	13.010	76	1520252	24.75	PPBV	#	100
68)	trans-1,3-DICHLOROPROPENE	12.410	75	1566263	28.62	PPBV		100
69)	1,1,2-TRICHLOROETHANE	12.612	83	1021706	24.00	PPBV		100
71)	2-HEXANONE	13.359	58	1123497	27.97	PPBV		99
72)	ETHYL METHACRYLATE	13.389	69	1592458	26.68	PPBV		100
73)	TETRACHLOROETHYLENE	14.466	164	1295487	21.06	PPBV		100
74)	DIBROMOCHLOROMETHANE	13.512	129	2360665	25.16	PPBV		100
75)	1,2-DIBROMOETHANE	13.830	107	1912584	23.66	PPBV		100
76)	OCTANE	14.331	43	2007056	25.12	PPBV		99
77)	1,1,1,2-TETRACHLOROETHANE	15.396	131	1557559	23.42	PPBV		100
78)	CHLOROBENZENE	15.408	112	2596682	21.36	PPBV		99
79)	ETHYLBENZENE	15.959	91	4106023	24.25	PPBV		99
80)	m,p-XYLENE	16.240	106	3148620	50.94	PPBV		98
81)	o-XYLENE	16.907	106	1571210	26.11	PPBV		99
82)	STYRENE	16.754	104	2380882	28.53	PPBV		100
83)	NONANE	17.317	43	2075321	24.63	PPBV		100
84)	BROMOFORM	16.295	173	2439049	29.26	PPBV		100
86)	1,1,2,2-TETRACHLOROETHANE	16.907	83	2867748	22.16	PPBV		99
87)	1,2,3-TRICHLOROPROPANE	17.096	75	1910251	20.08	PPBV		100
88)	ISOPROPYLBENZENE	17.818	105	4416866	22.71	PPBV		99
89)	BROMOBENZENE	17.910	77	2298802	20.38	PPBV		100
90)	2-CHLOROTOLUENE	18.546	126	1104210	23.56	PPBV		100
91)	n-PROPYLBENZENE	18.638	120	1183858	25.27	PPBV		100
92)	4-ETHYLTOLUENE	18.883	105	4498304	25.88	PPBV		99
93)	1,3,5-TRIMETHYLBENZENE	19.011	105	3785845	25.41	PPBV		100
94)	ALPHA-METHYLSTYRENE	19.256	118	1903435	28.19	PPBV		99
95)	tert-BUTYLBENZENE	19.617	134	838658	31.61	PPBV		98
96)	1,2,4-TRIMETHYLBENZENE	19.629	105	4186232	26.94	PPBV		99
97)	m-DICHLOROBENZENE	19.819	146	2890142	23.15	PPBV		100
98)	BENZYL CHLORIDE	19.813	91	4095162	27.40	PPBV		99
99)	p-DICHLOROBENZENE	19.923	146	2725460	23.12	PPBV		99
100)	sec-BUTYLBENZENE	20.021	134	963244	24.93	PPBV		97
101)	1,2,3-TRIMETHYLBENZENE	20.241	105	4017952	25.38	PPBV	#	99
102)	p-ISOPROPYLTOLUENE	20.265	134	1146159	25.56	PPBV		96
103)	o-DICHLOROBENZENE	20.406	146	2526786	21.80	PPBV		99
104)	n-BUTYLBENZENE	20.853	134	1115820	28.21	PPBV		96
105)	HEXACHLOROETHANE	21.318	117	2036046	26.21	PPBV		99
106)	HEXACHLOROBUTADIENE	23.367	225	2757653	27.12	PPBV		99
107)	1,2,4-TRICHLOROBENZENE	23.220	180	2474878	27.79	PPBV		99
108)	NAPHTHALENE	22.884	128	5516380	27.68	PPBV		99
110)	TVHC as equiv Pentane	5.234	TIC	5095960	17.51	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55467.D
Acq On : 9 Dec 2024 9:45 am
Operator : benk
Sample : ic2125-20
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 10:15:13 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 10:14:37 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

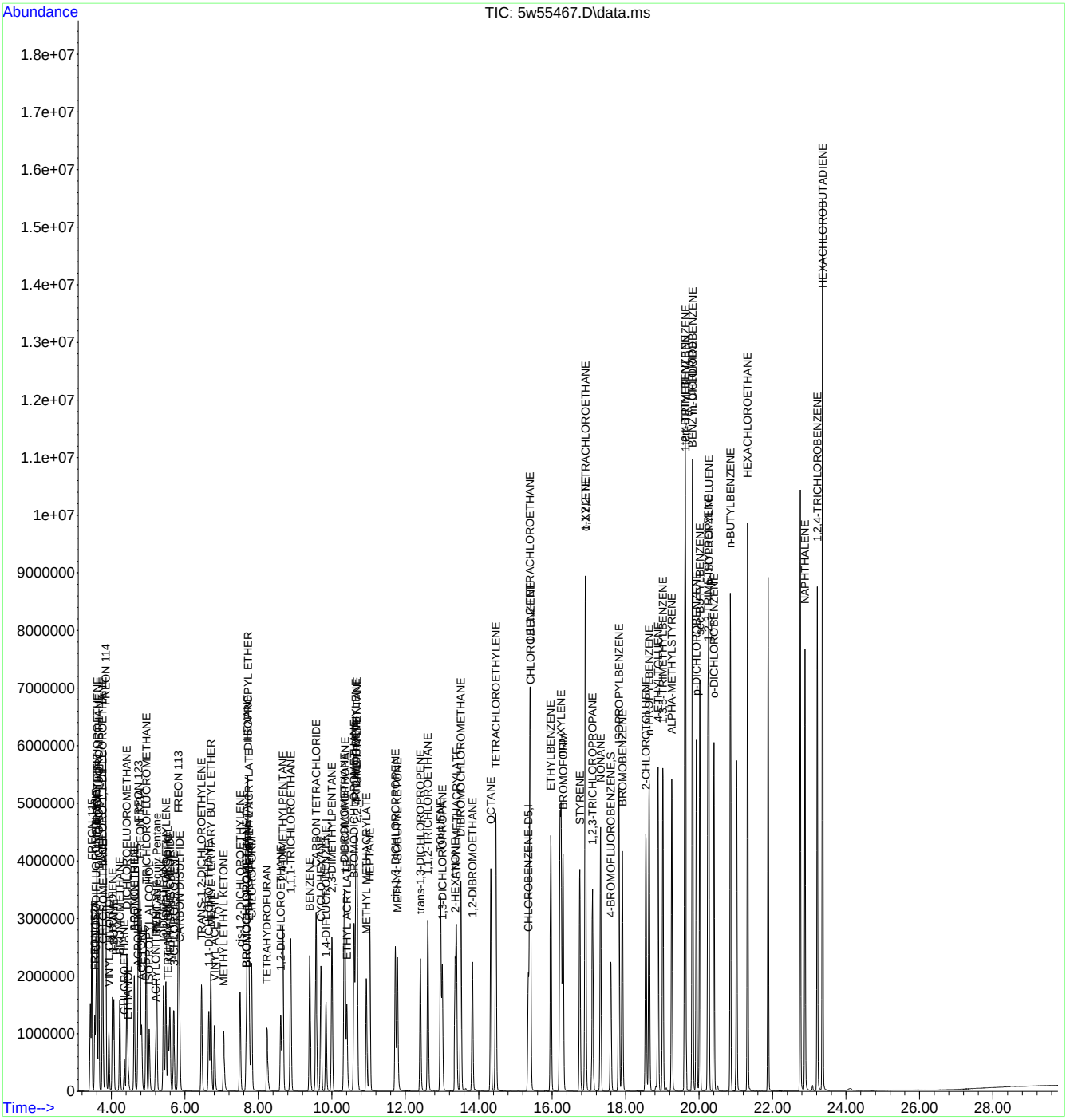
7.7.17

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55467.D
Acq On : 9 Dec 2024 9:45 am
Operator : benk
Sample : ic2125-20
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 10:15:13 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 10:14:37 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55468.D
Acq On : 9 Dec 2024 10:29 am
Operator : benk
Sample : ic2125-40
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 12:17:33 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 10:16:29 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	7.675	128	341329	10.00	PPBV	0.00
51) 1,4-DIFLUOROBENZENE	9.841	114	1382725	10.00	PPBV	0.00
70) CHLOROBENZENE-D5	15.353	82	1000073	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	7.675	128	341329	10.00	PPBV	# 0.00
System Monitoring Compounds						
85) 4-BROMOFLUOROBENZENE	17.598	95	916347	7.75	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 77.50%			
Target Compounds						Qvalue
3) FREON 152A	3.540	65	1110003	44.01	PPBV	100
4) CHLORODIFLUOROMETHANE	3.570	67	618926	48.54	PPBV	99
5) CHLOROTRIFLUOROETHENE	3.601	116	2675087	46.21	PPBV	99
6) DICHLORODIFLUOROMETHANE	3.650	85	5267335	41.82	PPBV	98
7) PROPYLENE	3.589	41	1264054	39.00	PPBV	99
8) 1-CHLORO-1,1-DIFLUOROE...	3.754	65	4841129	36.33	PPBV	99
9) FREON 114	3.839	85	5644224	34.83	PPBV	94
10) CHLOROMETHANE	3.766	52	586442	34.83	PPBV	95
11) VINYL CHLORIDE	3.925	62	1976978	33.16	PPBV	99
12) 1,3-BUTADIENE	4.023	54	1352676	33.60	PPBV	98
13) n-BUTANE	4.060	43	2400545	30.24	PPBV	99
14) BROMOMETHANE	4.225	94	2043818	32.06	PPBV	100
15) CHLOROETHANE	4.353	64	871035	31.77	PPBV	100
16) DICHLOROFLUOROMETHANE	4.414	67	4291710	31.43	PPBV	99
17) ACETONITRILE	4.622	41	1277797	27.81	PPBV	99
18) ACROLEIN	4.714	56	645615	33.04	PPBV	100
19) FREON 123	4.733	83	4240053	30.77	PPBV	98
20) FREON 123A	4.775	117	2547507	35.48	PPBV	89
21) TRICHLOROFLUOROMETHANE	4.941	101	4713026	40.16	PPBV	99
22) ISOPROPYL ALCOHOL	5.026	45	2716413	35.07	PPBV	100
23) ACETONE	4.818	58	731236	24.80	PPBV	98
24) PENTANE	5.228	42	1485676	39.79	PPBV	99
25) IODOMETHANE	5.418	142	4451630	46.92	PPBV	100
26) 1,1-DICHLOROETHYLENE	5.479	96	1496349	41.43	PPBV	98
27) CARBON DISULFIDE	5.852	76	4309243	41.09	PPBV	99
28) ETHANOL	4.457	45	853574	28.43	PPBV	100
29) BROMOETHENE	4.616	106	1928359	36.64	PPBV	99
30) ACRYLONITRILE	5.204	52	958150	30.25	PPBV	100
31) METHYLENE CHLORIDE	5.595	84	1342564	36.18	PPBV	98
32) 3-CHLOROPROPENE	5.693	76	697695	42.08	PPBV	99
33) FREON 113	5.822	151	2636699	45.05	PPBV	97
34) TRANS-1,2-DICHLOROETHY...	6.452	96	1572877	41.40	PPBV	99
35) TERTIARY BUTYL ALCOHOL	5.540	59	2859765	41.60	PPBV	98
36) METHYL TERTIARY BUTYL ...	6.702	73	4395819	45.80	PPBV	99
37) TETRAHYDROFURAN	8.226	72	698114	48.66	PPBV	96
38) HEXANE	7.706	57	2611399	50.18	PPBV	95
39) VINYL ACETATE	6.806	86	306105	54.21	PPBV	# 87
40) 1,1-DICHLOROETHANE	6.654	63	2896622	40.54	PPBV	99
41) METHYL ETHYL KETONE	7.051	72	729314	51.25	PPBV	97
42) cis-1,2-DICHLOROETHYLENE	7.504	96	1696626	43.29	PPBV	99
43) DIISOPROPYL ETHER	7.712	59	811232	52.00	PPBV	# 88
44) ETHYL ACETATE	7.749	61	550445	52.69	PPBV	# 97
45) METHYL ACRYLATE	7.736	55	3113267	49.30	PPBV	98
46) CHLOROFORM	7.816	83	3681330	41.42	PPBV	100
47) 2,4-DIMETHYLPENTANE	8.666	57	2767046	48.09	PPBV	99
48) 1,1,1-TRICHLOROETHANE	8.880	97	3966870	44.82	PPBV	99
49) CARBON TETRACHLORIDE	9.572	117	4344419	47.03	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55468.D
Acq On : 9 Dec 2024 10:29 am
Operator : benk
Sample : ic2125-40
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 12:17:33 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 10:16:29 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	8.611	62	2563201	45.07	PPBV		100
52)	BENZENE	9.400	78	4805887	49.06	PPBV		99
53)	CYCLOHEXANE	9.700	84	1932753	53.96	PPBV		98
54)	2,3-DIMETHYLPENTANE	10.006	71	1034868	53.44	PPBV		97
55)	TRICHLOROETHYLENE	10.654	95	2594903	51.56	PPBV		99
56)	1,2-DICHLOROPROPANE	10.361	63	1968777	47.35	PPBV		98
57)	DIBROMOMETHANE	10.342	174	2452377	49.66	PPBV		96
58)	ETHYL ACRYLATE	10.410	55	3514442	56.09	PPBV		99
59)	BROMODICHLOROMETHANE	10.612	83	4532566	51.44	PPBV		99
60)	2,2,4-TRIMETHYLPENTANE	10.691	57	7451774	50.35	PPBV		98
61)	1,4-DIOXANE	10.661	88	1171033	53.54	PPBV	#	1
62)	HEPTANE	11.034	43	2670311	51.81	PPBV		98
63)	METHYL METHACRYLATE	10.936	69	1706636	54.15	PPBV		97
64)	METHYL ISOBUTYL KETONE	11.786	58	1514817	57.65	PPBV		96
65)	cis-1,3-DICHLOROPROPENE	11.731	75	3416380	56.51	PPBV		98
66)	TOLUENE	12.967	92	3622228	55.11	PPBV		98
67)	1,3-DICHLOROPROPANE	13.010	76	2997850	50.56	PPBV	#	100
68)	trans-1,3-DICHLOROPROPENE	12.410	75	3139635	57.54	PPBV		99
69)	1,1,2-TRICHLOROETHANE	12.618	83	2047204	50.14	PPBV		99
71)	2-HEXANONE	13.359	58	2249832	49.07	PPBV		96
72)	ETHYL METHACRYLATE	13.395	69	3192358	47.23	PPBV		98
73)	TETRACHLOROETHYLENE	14.472	164	2700260	40.71	PPBV		99
74)	DIBROMOCHLOROMETHANE	13.518	129	4797242	45.88	PPBV		99
75)	1,2-DIBROMOETHANE	13.836	107	3887570	43.91	PPBV		100
76)	OCTANE	14.337	43	3923196	44.34	PPBV		96
77)	1,1,1,2-TETRACHLOROETHANE	15.396	131	3275763	44.91	PPBV		100
78)	CHLOROBENZENE	15.414	112	5271880	40.07	PPBV		99
79)	ETHYLBENZENE	15.965	91	8126299	43.65	PPBV		97
80)	m,p-XYLENE	16.246	106	6467969	94.01	PPBV		92
81)	o-XYLENE	16.907	106	3188562	47.55	PPBV		95
82)	STYRENE	16.754	104	4879514	51.77	PPBV		99
83)	NONANE	17.317	43	3987420	42.86	PPBV		97
84)	BROMOFORM	16.301	173	5078215	52.97	PPBV		99
86)	1,1,2,2-TETRACHLOROETHANE	16.913	83	5613840	39.93	PPBV		99
87)	1,2,3-TRICHLOROPROPANE	17.103	75	3751035	36.66	PPBV		97
88)	ISOPROPYLBENZENE	17.824	105	8798069	41.32	PPBV		97
89)	BROMOBENZENE	17.916	77	4625514	37.94	PPBV		97
90)	2-CHLOROTOLUENE	18.552	126	2317722	44.71	PPBV		99
91)	n-PROPYLBENZENE	18.644	120	2469115	47.34	PPBV		100
92)	4-ETHYLTOLUENE	18.883	105	8909475	46.07	PPBV		96
93)	1,3,5-TRIMETHYLBENZENE	19.017	105	7582950	45.88	PPBV		97
94)	ALPHA-METHYLSTYRENE	19.262	118	3974554	51.70	PPBV		99
95)	tert-BUTYLBENZENE	19.623	134	1750552	57.31	PPBV	#	88
96)	1,2,4-TRIMETHYLBENZENE	19.635	105	8073536	46.45	PPBV		96
97)	m-DICHLOROBENZENE	19.825	146	5812290	42.28	PPBV		98
98)	BENZYL CHLORIDE	19.819	91	7865415	46.45	PPBV		97
99)	p-DICHLOROBENZENE	19.929	146	5572136	43.25	PPBV		98
100)	sec-BUTYLBENZENE	20.021	134	1985344	46.46	PPBV	#	80
101)	1,2,3-TRIMETHYLBENZENE	20.241	105	7982379	45.32	PPBV	#	96
102)	p-ISOPROPYLTOLUENE	20.272	134	2391446	47.95	PPBV	#	84
103)	o-DICHLOROBENZENE	20.412	146	5204091	41.33	PPBV		98
104)	n-BUTYLBENZENE	20.859	134	2355801	52.65	PPBV	#	78
105)	HEXACHLOROETHANE	21.324	117	4095368	47.35	PPBV		94
106)	HEXACHLOROBUTADIENE	23.367	225	5758391	50.41	PPBV		98
107)	1,2,4-TRICHLOROBENZENE	23.226	180	5399109	53.83	PPBV		99
108)	NAPHTHALENE	22.890	128	10659068	47.52	PPBV		95
110)	TVHC as equiv Pentane	5.228	TIC	9863883	35.04	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55468.D
Acq On : 9 Dec 2024 10:29 am
Operator : benk
Sample : ic2125-40
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 12:17:33 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 10:16:29 2024
Response via : Initial Calibration

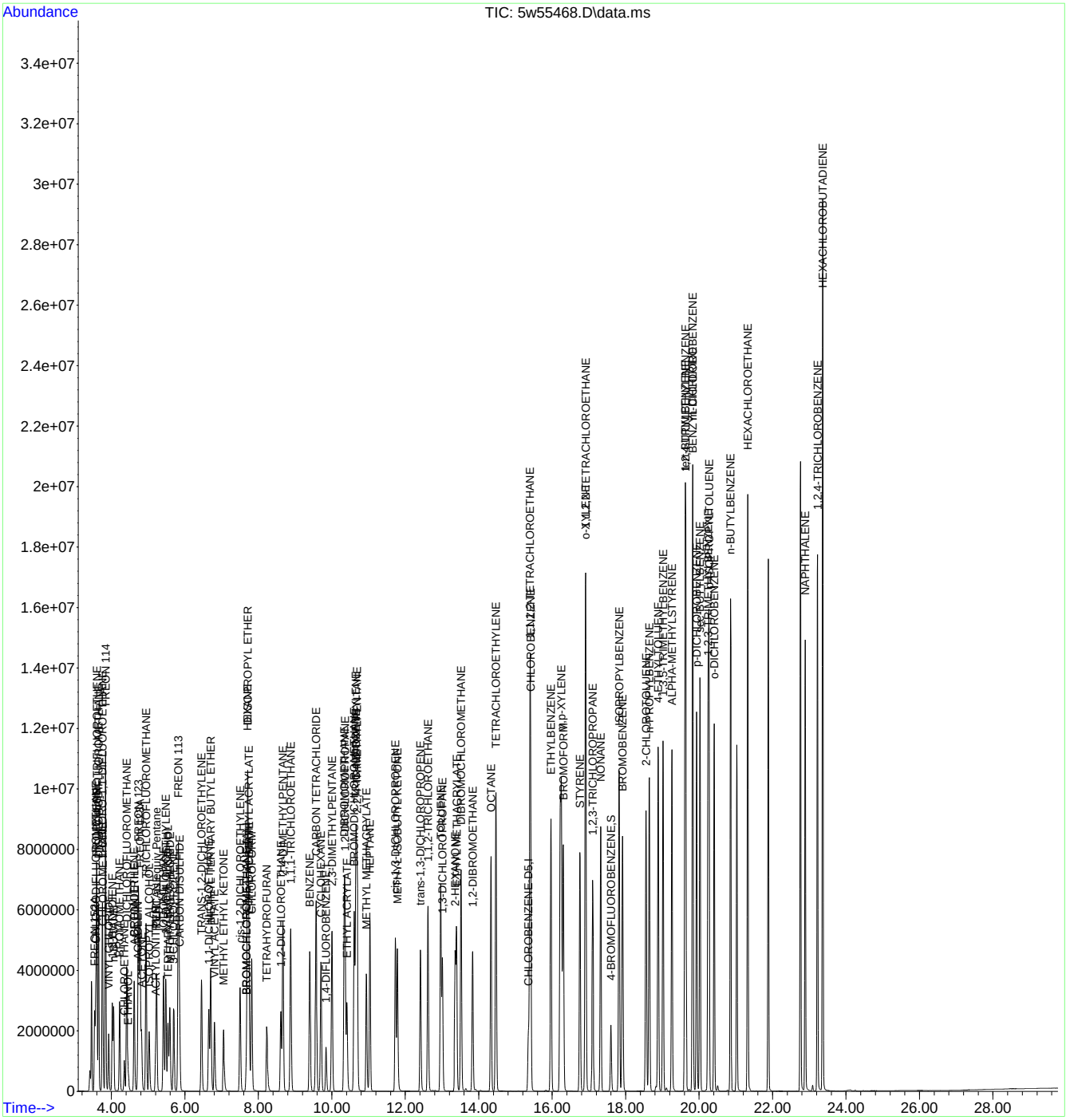
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55468.D
Acq On : 9 Dec 2024 10:29 am
Operator : benk
Sample : ic2125-40
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 12:17:33 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 10:16:29 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55469.D
Acq On : 9 Dec 2024 11:14 am
Operator : benk
Sample : ic2125-50
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 14:36:15 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 11:06:14 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.681	128	363096	10.00	PPBV		0.01
51) 1,4-DIFLUOROBENZENE	9.847	114	1435494	10.00	PPBV		0.01
70) CHLOROBENZENE-D5	15.353	82	1087902	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.681	128	363096	10.00	PPBV	#	0.01
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	17.598	95	962842	7.71	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 77.10%				
Target Compounds							Qvalue
3) FREON 152A	3.546	65	1409928	52.36	PPBV		100
4) CHLORODIFLUOROMETHANE	3.576	67	788640	57.10	PPBV		99
5) CHLOROTRIFLUOROETHENE	3.607	116	3518696	56.43	PPBV		99
6) DICHLORODIFLUOROMETHANE	3.656	85	6578479	49.18	PPBV		97
7) PROPYLENE	3.601	41	1558841	45.82	PPBV		98
8) 1-CHLORO-1,1-DIFLUOROE...	3.754	65	5783866	41.54	PPBV		98
9) FREON 114	3.839	85	6688154	39.83	PPBV		92
10) CHLOROMETHANE	3.772	52	708046	40.35	PPBV		93
11) VINYL CHLORIDE	3.931	62	2437569	39.40	PPBV		99
12) 1,3-BUTADIENE	4.029	54	1667571	40.06	PPBV		97
13) n-BUTANE	4.066	43	2956319	36.57	PPBV		98
14) BROMOMETHANE	4.231	94	2585698	39.46	PPBV		100
15) CHLOROETHANE	4.353	64	1112344	39.30	PPBV		100
16) DICHLOROFLUOROMETHANE	4.421	67	5325853	37.89	PPBV		99
17) ACETONITRILE	4.622	41	1590540	34.05	PPBV		99
18) ACROLEIN	4.714	56	812347	40.31	PPBV		100
19) FREON 123	4.739	83	5322727	37.60	PPBV		97
20) FREON 123A	4.782	117	3262064	43.77	PPBV		86
21) TRICHLOROFLUOROMETHANE	4.947	101	5912238	47.68	PPBV		99
22) ISOPROPYL ALCOHOL	5.032	45	3130594	38.96	PPBV		100
24) PENTANE	5.234	42	1801214	45.85	PPBV		98
25) IODOMETHANE	5.424	142	5859104	57.57	PPBV		100
26) 1,1-DICHLOROETHYLENE	5.485	96	1920392	50.18	PPBV		94
27) CARBON DISULFIDE	5.852	76	5333899	48.00	PPBV		98
28) ETHANOL	4.457	45	1061688	35.38	PPBV		100
29) BROMOETHENE	4.622	106	2463970	44.77	PPBV		99
30) ACRYLONITRILE	5.210	52	1172261	36.70	PPBV		100
31) METHYLENE CHLORIDE	5.595	84	1703220	43.91	PPBV		96
32) 3-CHLOROPROPENE	5.699	76	888181	50.35	PPBV		93
33) FREON 113	5.822	151	3534845	56.33	PPBV		93
34) TRANS-1,2-DICHLOROETHY...	6.458	96	2032870	50.39	PPBV		96
35) TERTIARY BUTYL ALCOHOL	5.546	59	3417331	46.44	PPBV		98
36) METHYL TERTIARY BUTYL ...	6.709	73	5589862	54.34	PPBV		98
37) TETRAHYDROFURAN	8.232	72	882416	56.54	PPBV		93
38) HEXANE	7.712	57	3251354	57.57	PPBV		93
39) VINYL ACETATE	6.813	86	398132	63.09	PPBV	#	74
40) 1,1-DICHLOROETHANE	6.654	63	3625488	48.02	PPBV		98
41) METHYL ETHYL KETONE	7.051	72	929876	59.84	PPBV		93
42) cis-1,2-DICHLOROETHYLENE	7.504	96	2196558	52.61	PPBV		96
43) DIISOPROPYL ETHER	7.718	59	1010128	59.15	PPBV	#	83
44) ETHYL ACETATE	7.749	61	686502	59.89	PPBV	#	94
45) METHYL ACRYLATE	7.736	55	3866289	56.23	PPBV		97
46) CHLOROFORM	7.822	83	4663315	49.57	PPBV		99
47) 2,4-DIMETHYLPENTANE	8.672	57	3422747	55.14	PPBV		98
48) 1,1,1-TRICHLOROETHANE	8.880	97	5135690	54.30	PPBV		98
49) CARBON TETRACHLORIDE	9.572	117	5694246	57.32	PPBV		99
50) 1,2-DICHLOROETHANE	8.611	62	3247346	53.45	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55469.D
Acq On : 9 Dec 2024 11:14 am
Operator : benk
Sample : ic2125-50
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 14:36:15 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 11:06:14 2024
Response via : Initial Calibration

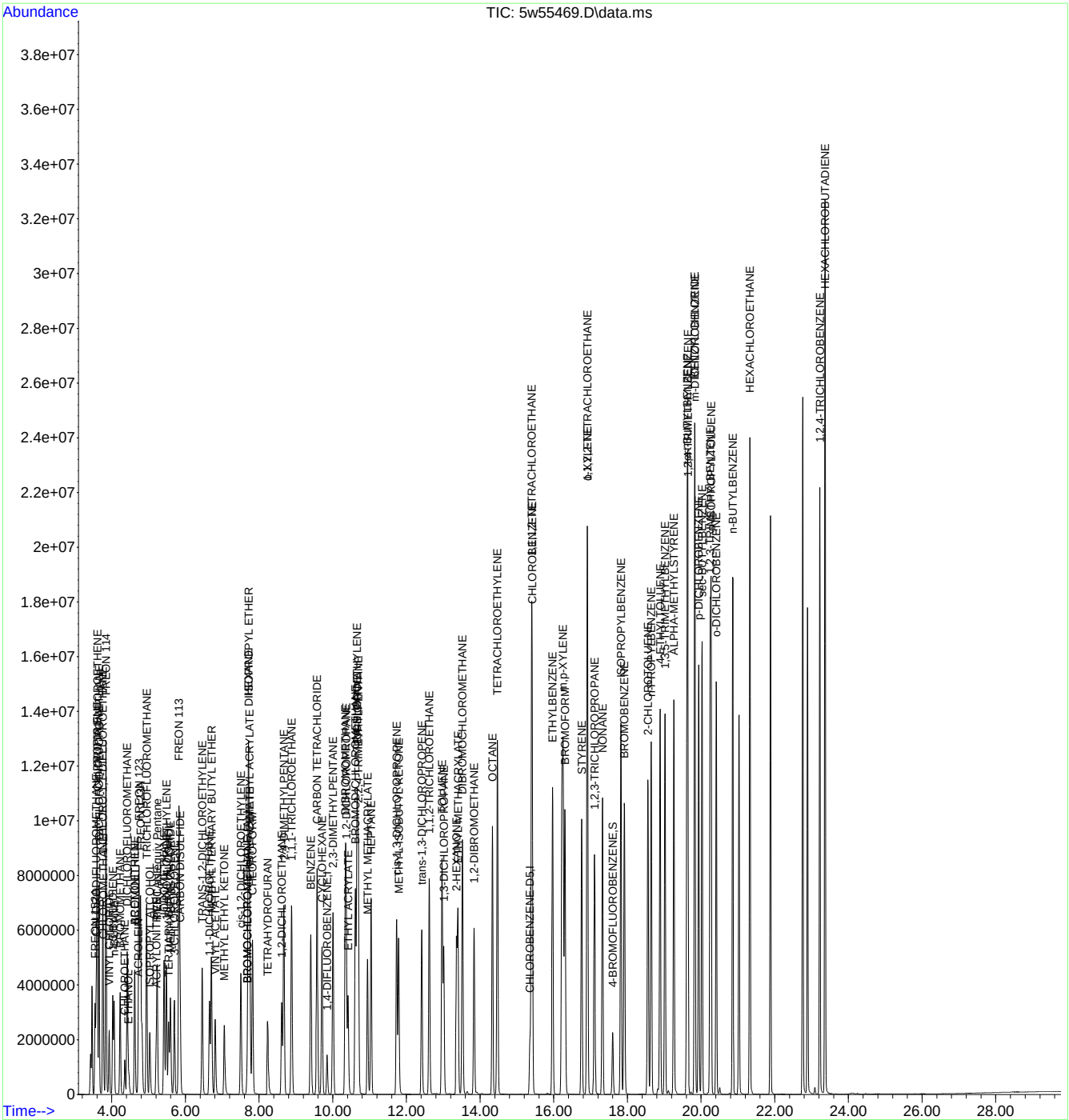
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
52)	BENZENE	9.406	78	6113532	59.26	PPBV		99
53)	CYCLOHEXANE	9.706	84	2475588	64.65	PPBV		96
54)	2,3-DIMETHYLPENTANE	10.006	71	1313485	63.46	PPBV		94
55)	TRICHLOROETHYLENE	10.661	95	3350858	62.36	PPBV		96
56)	1,2-DICHLOROPROPANE	10.367	63	2447772	55.81	PPBV		97
57)	DIBROMOMETHANE	10.342	174	3348127	63.85	PPBV		91
58)	ETHYL ACRYLATE	10.416	55	4375473	64.41	PPBV		99
59)	BROMODICHLOROMETHANE	10.618	83	5756859	61.21	PPBV		98
60)	2,2,4-TRIMETHYLPENTANE	10.697	57	9040011	57.64	PPBV		98
61)	1,4-DIOXANE	10.667	88	1504708	63.77	PPBV	#	1
62)	HEPTANE	11.040	43	3250063	59.42	PPBV		96
63)	METHYL METHACRYLATE	10.942	69	2166506	64.00	PPBV		99
64)	METHYL ISOBUTYL KETONE	11.792	58	1897421	66.38	PPBV		93
65)	cis-1,3-DICHLOROPROPENE	11.737	75	4365639	66.88	PPBV		98
66)	TOLUENE	12.967	92	4696538	66.34	PPBV		96
67)	1,3-DICHLOROPROPANE	13.016	76	3810935	60.45	PPBV	#	99
68)	trans-1,3-DICHLOROPROPENE	12.416	75	4045609	64.37	PPBV		97
69)	1,1,2-TRICHLOROETHANE	12.618	83	2637082	60.91	PPBV		98
71)	2-HEXANONE	13.359	58	2840400	51.38	PPBV		93
72)	ETHYL METHACRYLATE	13.395	69	4057750	54.22	PPBV		95
73)	TETRACHLOROETHYLENE	14.472	164	3652923	51.05	PPBV		98
74)	DIBROMOCHLOROMETHANE	13.518	129	6267031	54.46	PPBV		99
75)	1,2-DIBROMOETHANE	13.836	107	5059319	52.54	PPBV		100
76)	OCTANE	14.337	43	4818681	49.96	PPBV		93
77)	1,1,1,2-TETRACHLOROETHANE	15.402	131	4326992	54.27	PPBV		98
78)	CHLOROBENZENE	15.414	112	6799424	47.95	PPBV		97
79)	ETHYLBENZENE	15.965	91	10258201	50.70	PPBV		95
80)	m,p-XYLENE	16.246	106	8436000	111.35	PPBV		88
81)	o-XYLENE	16.913	106	4070628	55.18	PPBV		92
82)	STYRENE	16.760	104	6336380	60.46	PPBV		99
83)	NONANE	17.323	43	4885695	48.38	PPBV		95
84)	BROMOFORM	16.301	173	6736389	57.61	PPBV		98
86)	1,1,2,2-TETRACHLOROETHANE	16.913	83	6857413	45.32	PPBV		98
87)	1,2,3-TRICHLOROPROPANE	17.109	75	4752860	43.44	PPBV		95
88)	ISOPROPYLBENZENE	17.824	105	11140531	48.25	PPBV		96
89)	BROMOBENZENE	17.916	77	5858269	44.66	PPBV		92
90)	2-CHLOROTOLUENE	18.552	126	3066170	53.80	PPBV		99
91)	n-PROPYLBENZENE	18.644	120	3235225	56.20	PPBV		100
92)	4-ETHYLTOLUENE	18.889	105	11113673	52.46	PPBV		94
93)	1,3,5-TRIMETHYLBENZENE	19.024	105	9540125	52.72	PPBV		95
94)	ALPHA-METHYLSTYRENE	19.262	118	5169037	56.23	PPBV		99
95)	tert-BUTYLBENZENE	19.623	134	2268727	58.03	PPBV	#	82
96)	1,2,4-TRIMETHYLBENZENE	19.641	105	9871747	51.85	PPBV		93
97)	m-DICHLOROBENZENE	19.831	146	7376020	49.22	PPBV		98
98)	BENZYL CHLORIDE	19.825	91	9467573	50.66	PPBV		95
99)	p-DICHLOROBENZENE	19.935	146	7163876	51.16	PPBV		97
100)	sec-BUTYLBENZENE	20.027	134	2603292	55.55	PPBV	#	67
101)	1,2,3-TRIMETHYLBENZENE	20.247	105	9909252	51.34	PPBV	#	93
102)	p-ISOPROPYLTOLUENE	20.272	134	3067541	55.77	PPBV	#	77
103)	o-DICHLOROBENZENE	20.412	146	6729808	49.34	PPBV		98
104)	n-BUTYLBENZENE	20.865	134	3076474	61.52	PPBV	#	67
105)	HEXACHLOROETHANE	21.324	117	5060035	53.27	PPBV		91
106)	HEXACHLOROBUTADIENE	23.367	225	7021325	55.35	PPBV		97
107)	1,2,4-TRICHLOROBENZENE	23.226	180	6957395	61.95	PPBV		99
110)	TVHC as equiv Pentane	5.234	TIC	12050439	41.25	PPBV		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55469.D
Acq On : 9 Dec 2024 11:14 am
Operator : benk
Sample : ic2125-50
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 14:36:15 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 11:06:14 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55473.D
Acq On : 9 Dec 2024 1:55 pm
Operator : benk
Sample : icv2125-10
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 09 14:26:11 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.669	128	367475	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.835	114	1638649	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	15.347	82	911415	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.669	128	367475	10.00	PPBV	#	0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	17.592	95	1063310	10.42	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 104.20%				
Target Compounds							Qvalue
2) FREON 115	3.460	119	609290	12.11	PPBV		96
3) FREON 152A	3.546	65	260396	9.58	PPBV		100
4) CHLORODIFLUOROMETHANE	3.576	67	146420	10.39	PPBV		99
5) CHLOROTRIFLUOROETHENE	3.607	116	632936	9.95	PPBV		99
6) DICHLORODIFLUOROMETHANE	3.650	85	1344712	10.01	PPBV		100
7) PROPYLENE	3.601	41	286338	8.47	PPBV		98
8) 1-CHLORO-1,1-DIFLUOROE...	3.754	65	1363042	9.91	PPBV		99
9) FREON 114	3.839	85	1731966	10.51	PPBV		98
10) CHLOROMETHANE	3.772	52	156442	9.03	PPBV	#	84
11) VINYL CHLORIDE	3.931	62	572576	9.39	PPBV		100
12) 1,3-BUTADIENE	4.029	54	394416	9.64	PPBV		98
13) n-BUTANE	4.066	43	729754	9.30	PPBV		99
14) BROMOMETHANE	4.231	94	601870	9.37	PPBV		99
15) CHLOROETHANE	4.353	64	259712	9.32	PPBV		99
16) DICHLOROFLUOROMETHANE	4.421	67	1337017	9.71	PPBV		100
17) ACETONITRILE	4.616	41	408916	9.02	PPBV		99
18) ACROLEIN	4.714	56	206598	10.43	PPBV		100
19) FREON 123	4.733	83	1322073	9.54	PPBV		98
20) FREON 123A	4.775	117	716793	9.72	PPBV		95
21) TRICHLOROFLUOROMETHANE	4.941	101	1280625	10.32	PPBV		100
22) ISOPROPYL ALCOHOL	5.026	45	746766	9.50	PPBV		99
23) ACETONE	4.824	58	228297	7.70	PPBV		98
24) PENTANE	5.234	42	361550	9.26	PPBV		98
25) IODOMETHANE	5.418	142	1165392	11.26	PPBV		100
26) 1,1-DICHLOROETHYLENE	5.479	96	397014	10.32	PPBV		94
27) CARBON DISULFIDE	5.852	76	1188347	10.68	PPBV		100
28) ETHANOL	4.457	45	231689	8.04	PPBV		99
29) BROMOETHENE	4.616	106	574006	10.49	PPBV		100
30) ACRYLONITRILE	5.204	52	234694	7.62	PPBV		100
31) METHYLENE CHLORIDE	5.589	84	367561	9.54	PPBV		97
32) 3-CHLOROPROPENE	5.693	76	183296	10.31	PPBV		94
33) FREON 113	5.822	151	692675	10.83	PPBV		96
34) TRANS-1,2-DICHLOROETHY...	6.452	96	415687	10.23	PPBV		96
35) TERTIARY BUTYL ALCOHOL	5.546	59	838007	11.33	PPBV		98
36) METHYL TERTIARY BUTYL ...	6.709	73	1138293	10.93	PPBV		98
37) TETRAHYDROFURAN	8.244	72	182808	11.46	PPBV		94
38) HEXANE	7.706	57	580332	10.08	PPBV		98
39) VINYL ACETATE	6.806	86	76162	11.57	PPBV	#	78
40) 1,1-DICHLOROETHANE	6.647	63	737374	9.76	PPBV		99
41) METHYL ETHYL KETONE	7.057	72	183994	11.54	PPBV		93
42) cis-1,2-DICHLOROETHYLENE	7.498	96	438839	10.40	PPBV		97
43) DIISOPROPYL ETHER	7.718	59	182011	10.41	PPBV		94
44) ETHYL ACETATE	7.749	61	132720	11.29	PPBV	#	98
45) METHYL ACRYLATE	7.730	55	734957	10.50	PPBV		99
46) CHLOROFORM	7.810	83	994491	10.54	PPBV		100
47) 2,4-DIMETHYLPENTANE	8.666	57	665821	10.57	PPBV		99
48) 1,1,1-TRICHLOROETHANE	8.874	97	1027293	10.72	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55473.D
Acq On : 9 Dec 2024 1:55 pm
Operator : benk
Sample : icv2125-10
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 09 14:26:11 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
49) CARBON TETRACHLORIDE	9.566	117	1117143	11.04	PPBV		100
50) 1,2-DICHLOROETHANE	8.605	62	644626	10.51	PPBV		100
52) BENZENE	9.400	78	1241071	10.45	PPBV		99
53) CYCLOHEXANE	9.700	84	497434	11.15	PPBV		96
54) 2,3-DIMETHYLPENTANE	10.000	71	255937	10.63	PPBV		95
55) TRICHLOROETHYLENE	10.655	95	628915	10.04	PPBV		96
56) 1,2-DICHLOROPROPANE	10.361	63	480413	9.53	PPBV		98
57) DIBROMOMETHANE	10.336	174	607456	9.91	PPBV		96
58) ETHYL ACRYLATE	10.416	55	889260	11.18	PPBV		99
59) BROMODICHLOROMETHANE	10.606	83	1129142	10.33	PPBV		99
60) 2,2,4-TRIMETHYLPENTANE	10.685	57	1875164	10.40	PPBV		100
61) 1,4-DIOXANE	10.673	88	305770	11.05	PPBV	#	88
62) HEPTANE	11.034	43	644985	10.24	PPBV		98
63) METHYL METHACRYLATE	10.936	69	440067	11.15	PPBV		97
64) METHYL ISOBUTYL KETONE	11.792	58	365625	10.89	PPBV		96
65) cis-1,3-DICHLOROPROPENE	11.731	75	791718	10.34	PPBV		99
66) TOLUENE	12.961	92	897196	10.80	PPBV		99
67) 1,3-DICHLOROPROPANE	13.010	76	768595	10.52	PPBV	#	100
68) trans-1,3-DICHLOROPROPENE	12.410	75	763107	10.83	PPBV		100
69) 1,1,2-TRICHLOROETHANE	12.612	83	511400	10.19	PPBV		98
71) 2-HEXANONE	13.365	58	533643	12.41	PPBV		98
72) ETHYL METHACRYLATE	13.389	69	797333	12.67	PPBV		97
73) TETRACHLOROETHYLENE	14.466	164	678237	11.39	PPBV		99
74) DIBROMOCHLOROMETHANE	13.511	129	1221557	12.62	PPBV		100
75) 1,2-DIBROMOETHANE	13.823	107	968537	12.07	PPBV		100
76) OCTANE	14.331	43	928927	11.60	PPBV		96
77) 1,1,1,2-TETRACHLOROETHANE	15.390	131	789303	11.81	PPBV		99
78) CHLOROBENZENE	15.408	112	1302463	11.10	PPBV		98
79) ETHYLBENZENE	15.959	91	2069237	12.31	PPBV		99
80) m,p-XYLENE	16.234	106	1576639	24.73	PPBV		98
81) o-XYLENE	16.901	106	773169	12.49	PPBV		97
82) STYRENE	16.754	104	1182327	13.32	PPBV		99
83) NONANE	17.311	43	964575	11.55	PPBV		97
84) BROMOFORM	16.289	173	1229686	12.42	PPBV		100
86) 1,1,2,2-TETRACHLOROETHANE	16.907	83	1398226	11.24	PPBV		99
87) 1,2,3-TRICHLOROPROPANE	17.096	75	977028	10.88	PPBV		98
88) ISOPROPYLBENZENE	17.812	105	2272900	11.87	PPBV		99
89) BROMOBENZENE	17.910	77	1152759	10.66	PPBV		95
90) 2-CHLOROTOLUENE	18.546	126	580224	12.09	PPBV		100
91) n-PROPYLBENZENE	18.638	120	614508	12.66	PPBV		99
92) 4-ETHYLTOLUENE	18.877	105	2276515	12.88	PPBV		99
93) 1,3,5-TRIMETHYLBENZENE	19.011	105	1926471	12.75	PPBV		99
94) ALPHA-METHYLSTYRENE	19.256	118	964352	11.83	PPBV		99
95) tert-BUTYLBENZENE	19.611	134	426733	12.94	PPBV		97
96) 1,2,4-TRIMETHYLBENZENE	19.629	105	2101835	13.26	PPBV		98
97) m-DICHLOROBENZENE	19.819	146	1483124	11.88	PPBV		100
98) BENZYL CHLORIDE	19.813	91	2086019	12.26	PPBV		99
99) p-DICHLOROBENZENE	19.923	146	1425940	12.24	PPBV		99
100) sec-BUTYLBENZENE	20.021	134	510021	12.96	PPBV		95
101) 1,2,3-TRIMETHYLBENZENE	20.235	105	2045983	12.71	PPBV	#	98
102) p-ISOPROPYLTOLUENE	20.259	134	605096	13.08	PPBV		97
103) o-DICHLOROBENZENE	20.406	146	1345461	11.88	PPBV		99
104) n-BUTYLBENZENE	20.853	134	568438	13.36	PPBV		92
105) HEXACHLOROETHANE	21.318	117	980805	12.37	PPBV		98
106) HEXACHLOROBUTADIENE	23.367	225	1360841	12.77	PPBV		100
107) 1,2,4-TRICHLOROBENZENE	23.220	180	1285426	12.74	PPBV		100
108) NAPHTHALENE	22.884	128	3116488	14.07	PPBV		100
110) TVHC as equiv Pentane	5.228	TIC	2415970	8.40	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55473.D
Acq On : 9 Dec 2024 1:55 pm
Operator : benk
Sample : icv2125-10
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 09 14:26:11 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

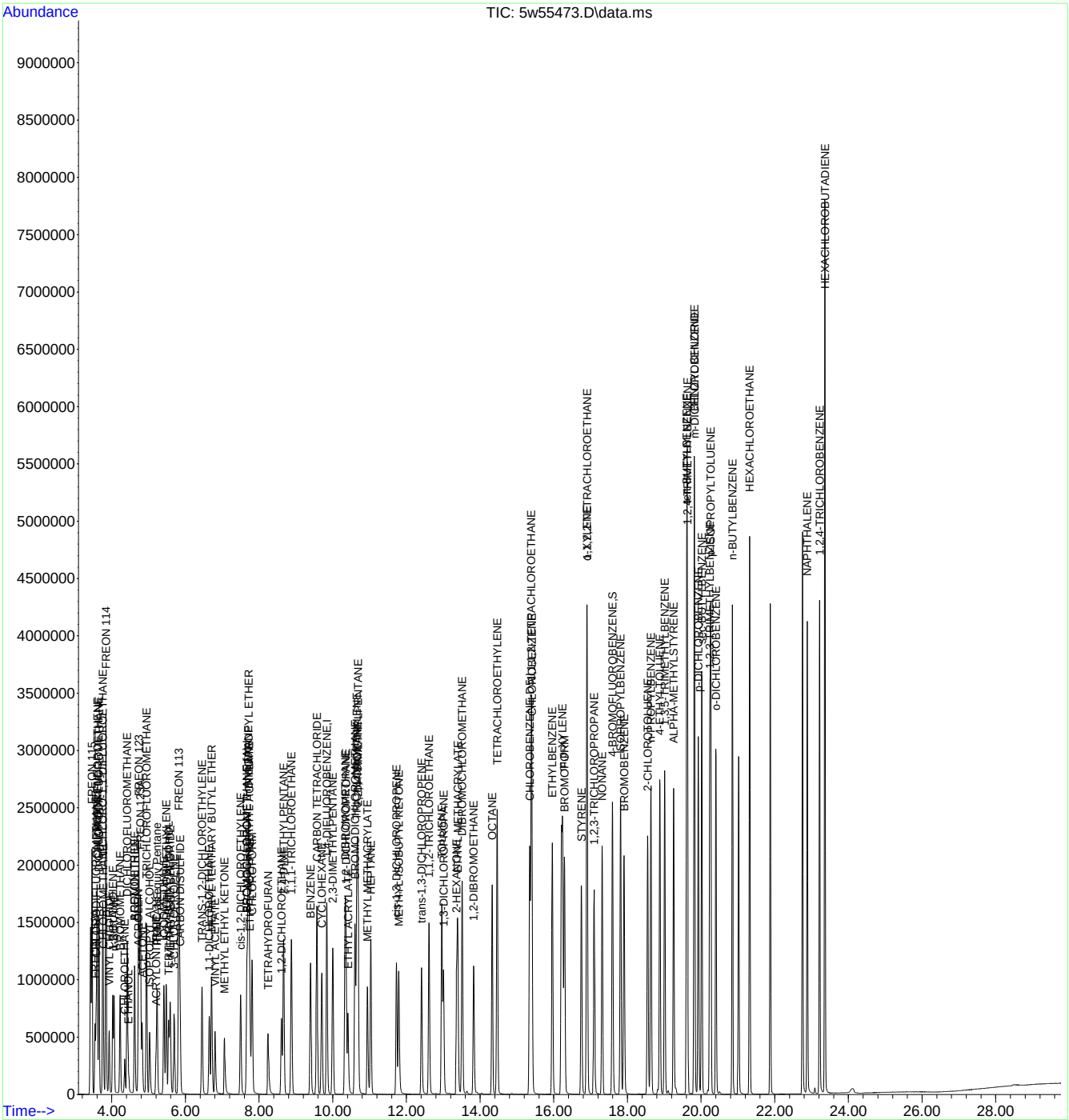
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55473.D
Acq On : 9 Dec 2024 1:55 pm
Operator : benk
Sample : icv2125-10
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 09 14:26:11 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55664.D
Acq On : 16 Dec 2024 1:21 pm
Operator : thomash
Sample : cc2125-10
Misc : MS87926,V5W2132,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 16 14:26:40 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.669	128	322460	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.835	114	1489170	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	15.347	82	993103	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.669	128	322460	10.00	PPBV	#	0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	17.592	95	1099191	9.89	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 98.90%				
Target Compounds							Qvalue
2) FREON 115	3.466	119	520709	11.80	PPBV		84
3) FREON 152A	3.546	65	276973	11.61	PPBV		97
4) CHLORODIFLUOROMETHANE	3.582	67	166597	13.47	PPBV		99
5) CHLOROTRIFLUOROETHENE	3.607	116	519061	9.30	PPBV		95
6) DICHLORODIFLUOROMETHANE	3.656	85	1412200	11.98	PPBV		100
7) PROPYLENE	3.601	41	331455	11.17	PPBV		99
8) 1-CHLORO-1,1-DIFLUOROE...	3.760	65	1429777	11.85	PPBV		97
9) FREON 114	3.845	85	1669845	11.55	PPBV		90
10) CHLOROMETHANE	3.778	52	132197	8.70	PPBV	#	70
11) VINYL CHLORIDE	3.931	62	541891	10.13	PPBV		99
12) 1,3-BUTADIENE	4.029	54	340350	9.48	PPBV		89
13) n-BUTANE	4.066	43	660477	9.59	PPBV		99
14) BROMOMETHANE	4.231	94	552406	9.80	PPBV		99
15) CHLOROETHANE	4.359	64	254726	10.42	PPBV		98
16) DICHLOROFLUOROMETHANE	4.420	67	1370890	11.34	PPBV		100
17) ACETONITRILE	4.622	41	366554	9.21	PPBV		99
18) ACROLEIN	4.714	56	177177	10.20	PPBV		95
19) FREON 123	4.738	83	1330586	10.94	PPBV		99
20) FREON 123A	4.781	117	663515	10.26	PPBV	#	75
21) TRICHLOROFLUOROMETHANE	4.946	101	1264654	11.61	PPBV		100
22) ISOPROPYL ALCOHOL	5.026	45	764649	11.08	PPBV		99
23) ACETONE	4.824	58	207162	7.97	PPBV		97
24) PENTANE	5.234	42	402201	11.73	PPBV		95
25) IODOMETHANE	5.418	142	1106736	12.18	PPBV		98
26) 1,1-DICHLOROETHYLENE	5.485	96	391141	11.59	PPBV		90
27) CARBON DISULFIDE	5.852	76	1221854	12.51	PPBV		97
28) ETHANOL	4.457	45	222031	8.78	PPBV		99
29) BROMOETHENE	4.622	106	489275	10.19	PPBV		96
30) ACRYLONITRILE	5.203	52	234269	8.67	PPBV		96
31) METHYLENE CHLORIDE	5.589	84	372067	11.00	PPBV		99
32) 3-CHLOROPROPENE	5.693	76	196624	12.61	PPBV		95
33) FREON 113	5.821	151	681434	12.14	PPBV		93
34) TRANS-1,2-DICHLOROETHY...	6.451	96	409739	11.49	PPBV		94
35) TERTIARY BUTYL ALCOHOL	5.546	59	798191	12.30	PPBV		98
36) METHYL TERTIARY BUTYL ...	6.708	73	1250497	13.68	PPBV		98
37) TETRAHYDROFURAN	8.238	72	195613	13.98	PPBV		98
38) HEXANE	7.706	57	601481	11.90	PPBV		90
39) VINYL ACETATE	6.812	86	73138	12.66	PPBV		96
40) 1,1-DICHLOROETHANE	6.647	63	807908	12.19	PPBV		98
41) METHYL ETHYL KETONE	7.057	72	202355	14.47	PPBV		94
42) cis-1,2-DICHLOROETHYLENE	7.498	96	433612	11.72	PPBV		93
43) DIISOPROPYL ETHER	7.718	59	190127	12.39	PPBV		99
44) ETHYL ACETATE	7.748	61	143075	13.87	PPBV	#	100
45) METHYL ACRYLATE	7.730	55	741565	12.07	PPBV		99
46) CHLOROFORM	7.810	83	1042868	12.60	PPBV		99
47) 2,4-DIMETHYLPENTANE	8.660	57	694605	12.57	PPBV		99
48) 1,1,1-TRICHLOROETHANE	8.874	97	1051269	12.51	PPBV		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55664.D
Acq On : 16 Dec 2024 1:21 pm
Operator : thomash
Sample : cc2125-10
Misc : MS87926,V5W2132,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 16 14:26:40 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
49)	CARBON TETRACHLORIDE	9.565	117	1081408	12.17	PPBV		100
50)	1,2-DICHLOROETHANE	8.605	62	753341	13.99	PPBV		99
52)	BENZENE	9.400	78	1308603	12.12	PPBV		99
53)	CYCLOHEXANE	9.700	84	517052	12.75	PPBV		98
54)	2,3-DIMETHYLPENTANE	10.000	71	274961	12.56	PPBV		96
55)	TRICHLOROETHYLENE	10.648	95	636688	11.19	PPBV		90
56)	1,2-DICHLOROPROPANE	10.361	63	506310	11.05	PPBV		95
57)	DIBROMOMETHANE	10.330	174	686352	12.32	PPBV		89
58)	ETHYL ACRYLATE	10.410	55	914775	12.66	PPBV		100
59)	BROMODICHLOROMETHANE	10.605	83	1226956	12.35	PPBV		100
60)	2,2,4-TRIMETHYLPENTANE	10.685	57	1925505	11.75	PPBV		99
61)	1,4-DIOXANE	10.673	88	293029	11.66	PPBV	#	83
62)	HEPTANE	11.027	43	711739	12.43	PPBV		97
63)	METHYL METHACRYLATE	10.936	69	490546	13.67	PPBV		97
64)	METHYL ISOBUTYL KETONE	11.792	58	386935	12.69	PPBV		92
65)	cis-1,3-DICHLOROPROPENE	11.731	75	908094	13.05	PPBV		96
66)	TOLUENE	12.961	92	880714	11.67	PPBV		99
67)	1,3-DICHLOROPROPANE	13.003	76	812598	12.23	PPBV	#	100
68)	trans-1,3-DICHLOROPROPENE	12.404	75	831172	12.97	PPBV		97
69)	1,1,2-TRICHLOROETHANE	12.612	83	532844	11.68	PPBV		97
71)	2-HEXANONE	13.358	58	553694	11.82	PPBV		91
72)	ETHYL METHACRYLATE	13.389	69	847107	12.35	PPBV		98
73)	TETRACHLOROETHYLENE	14.466	164	706848	10.90	PPBV		84
74)	DIBROMOCHLOROMETHANE	13.511	129	1056659	10.02	PPBV		100
75)	1,2-DIBROMOETHANE	13.823	107	874382	10.00	PPBV		99
76)	OCTANE	14.325	43	1029699	11.80	PPBV		98
77)	1,1,1,2-TETRACHLOROETHANE	15.389	131	673268	9.24	PPBV		87
78)	CHLOROBENZENE	15.408	112	1148673	8.98	PPBV		90
79)	ETHYLBENZENE	15.958	91	2051697	11.21	PPBV		96
80)	m,p-XYLENE	16.234	106	1393837	20.06	PPBV		89
81)	o-XYLENE	16.900	106	688459	10.21	PPBV		88
82)	STYRENE	16.748	104	1065237	11.01	PPBV		95
83)	NONANE	17.310	43	1087899	11.95	PPBV		99
84)	BROMOFORM	16.289	173	1433058	13.28	PPBV		98
86)	1,1,2,2-TETRACHLOROETHANE	16.900	83	1447874	10.68	PPBV		99
87)	1,2,3-TRICHLOROPROPANE	17.096	75	1034242	10.57	PPBV		93
88)	ISOPROPYLBENZENE	17.812	105	2022994	9.69	PPBV		96
89)	BROMOBENZENE	17.904	77	1205557	10.23	PPBV		97
90)	2-CHLOROTOLUENE	18.546	126	474191	9.07	PPBV		99
91)	n-PROPYLBENZENE	18.632	120	510325	9.65	PPBV		99
92)	4-ETHYLTOLUENE	18.876	105	2078219	10.79	PPBV		97
93)	1,3,5-TRIMETHYLBENZENE	19.011	105	1720705	10.45	PPBV		96
94)	ALPHA-METHYLSTYRENE	19.256	118	805324	9.06	PPBV		98
95)	tert-BUTYLBENZENE	19.611	134	339182	9.44	PPBV		93
96)	1,2,4-TRIMETHYLBENZENE	19.623	105	1864732	10.80	PPBV		97
97)	m-DICHLOROBENZENE	19.812	146	1304743	9.60	PPBV		99
98)	BENZYL CHLORIDE	19.806	91	1945978	10.50	PPBV		95
99)	p-DICHLOROBENZENE	19.923	146	1268946	10.00	PPBV		99
100)	sec-BUTYLBENZENE	20.014	134	416552	9.72	PPBV	#	87
101)	1,2,3-TRIMETHYLBENZENE	20.235	105	1821683	10.39	PPBV	#	97
102)	p-ISOPROPYLTOLUENE	20.259	134	476322	9.45	PPBV		93
103)	o-DICHLOROBENZENE	20.400	146	1197143	9.70	PPBV		99
104)	n-BUTYLBENZENE	20.852	134	460517	9.93	PPBV	#	69
105)	HEXACHLOROETHANE	21.311	117	963853	11.15	PPBV	#	79
106)	HEXACHLOROBUTADIENE	23.251	225	1958096	16.86	PPBV		100
107)	1,2,4-TRICHLOROBENZENE	23.116	180	1359406	12.36	PPBV		95
108)	NAPHTHALENE	22.798	128	2303458	9.54	PPBV		100
110)	TVHC as equiv Pentane	5.234	TIC	2637301	10.45	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55664.D
Acq On : 16 Dec 2024 1:21 pm
Operator : thomash
Sample : cc2125-10
Misc : MS87926,V5W2132,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 16 14:26:40 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

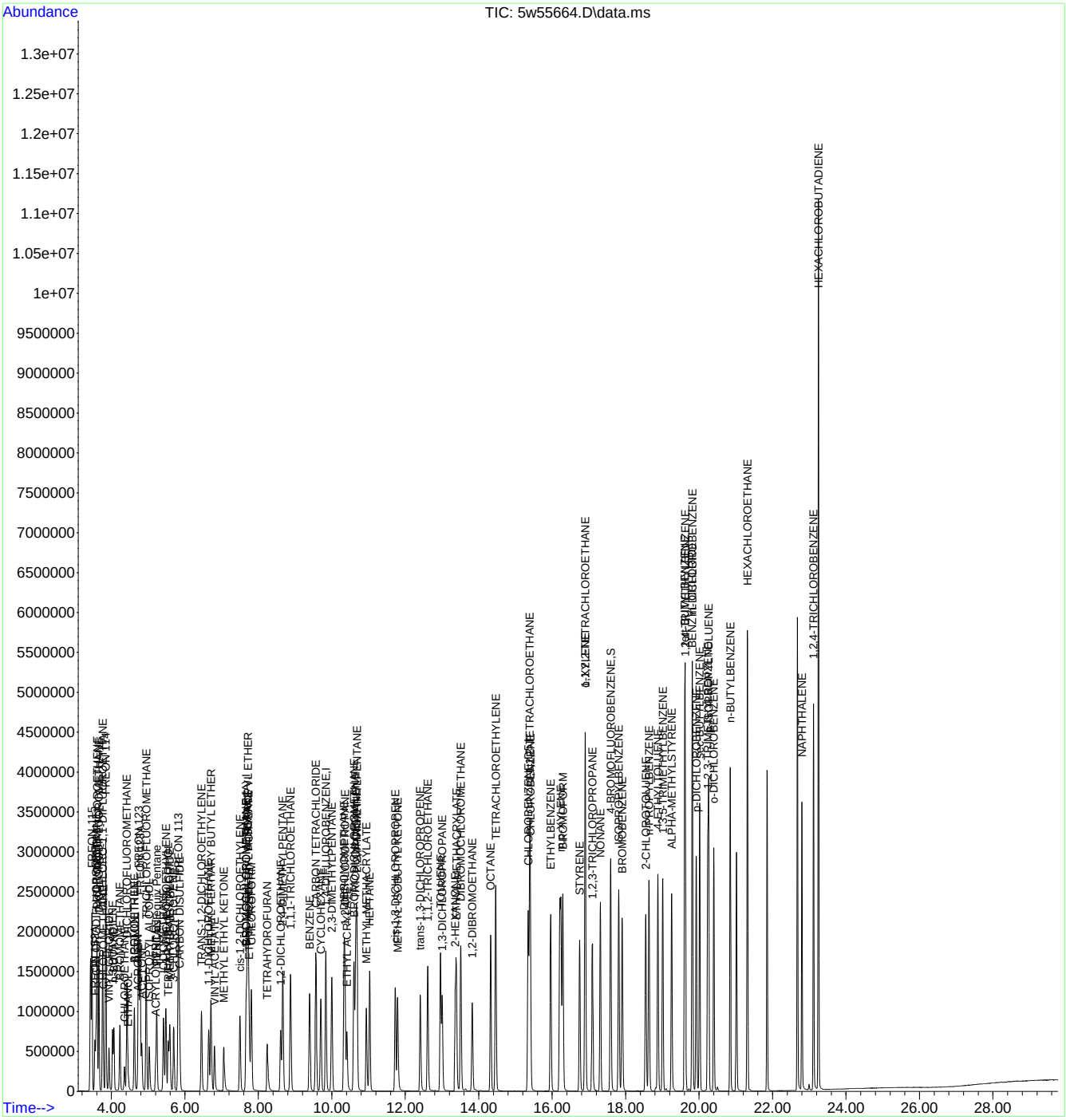
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55664.D
Acq On : 16 Dec 2024 1:21 pm
Operator : thomash
Sample : cc2125-10
Misc : MS87926,V5W2132,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 16 14:26:40 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55700.D
Acq On : 17 Dec 2024 8:32 pm
Operator : thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 18:32:56 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	7.669	128	283490	10.00	PPBV	# 0.00
51) 1,4-DIFLUOROBENZENE	9.835	114	1320983	10.00	PPBV	0.00
70) CHLOROBENZENE-D5	15.347	82	829640	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	7.669	128	283490	10.00	PPBV	# 0.00
System Monitoring Compounds						
85) 4-BROMOFLUOROBENZENE	17.592	95	938681	10.11	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 101.10%			
Target Compounds						Qvalue
2) FREON 115	3.466	119	490141	12.6307	PPBV	87
3) FREON 152A	3.546	65	248979	11.8708	PPBV	92
4) CHLORODIFLUOROMETHANE	3.576	67	139788	12.8535	PPBV	100
5) CHLOROTRIFLUOROETHENE	3.607	116	484866	9.8778	PPBV	97
6) DICHLORODIFLUOROMETHANE	3.656	85	1235881	11.9294	PPBV	99
7) PROPYLENE	3.601	41	318999	12.2258	PPBV	97
8) 1-CHLORO-1,1-DIFLUOROE...	3.753	65	1310116	12.3491	PPBV	97
9) FREON 114	3.839	85	1498369	11.7910	PPBV	94
10) CHLOROMETHANE	3.772	52	139843	10.4675	PPBV #	73
11) VINYL CHLORIDE	3.931	62	500361	10.6359	PPBV	98
12) 1,3-BUTADIENE	4.029	54	328558	10.4069	PPBV #	82
13) n-BUTANE	4.066	43	673554	11.1214	PPBV	98
14) BROMOMETHANE	4.231	94	503106	10.1489	PPBV	98
15) CHLOROETHANE	4.353	64	218128	10.1465	PPBV	96
16) DICHLOROFLUOROMETHANE	4.420	67	1182527	11.1281	PPBV	98
17) ACETONITRILE	4.616	41	381104	10.8940	PPBV	99
18) ACROLEIN	4.714	56	174216	11.4045	PPBV	99
19) FREON 123	4.732	83	1208215	11.2970	PPBV	99
20) FREON 123A	4.775	117	627646	11.0370	PPBV	86
21) TRICHLOROFLUOROMETHANE	4.940	101	1106838	11.5611	PPBV	99
22) ISOPROPYL ALCOHOL	5.026	45	701344	11.5619	PPBV	96
23) ACETONE	4.818	58	190094	8.3139	PPBV #	73
24) PENTANE	5.234	42	382516	12.6939	PPBV	97
25) IODOMETHANE	5.418	142	1048284	13.1253	PPBV	99
26) 1,1-DICHLOROETHYLENE	5.479	96	350278	11.8046	PPBV	91
27) CARBON DISULFIDE	5.852	76	1106323	12.8869	PPBV	96
28) ETHANOL	4.451	45	228093	10.2598	PPBV	99
29) BROMOETHENE	4.616	106	464023	10.9881	PPBV	96
30) ACRYLONITRILE	5.197	52	227386	9.5736	PPBV	98
31) METHYLENE CHLORIDE	5.589	84	336437	11.3149	PPBV	94
32) 3-CHLOROPROPENE	5.693	76	178242	13.0003	PPBV #	87
33) FREON 113	5.821	151	646266	13.0999	PPBV	91
34) TRANS-1,2-DICHLOROETHY...	6.451	96	362444	11.5588	PPBV	93
35) TERTIARY BUTYL ALCOHOL	5.540	59	711279	12.4651	PPBV	94
36) METHYL TERTIARY BUTYL ...	6.708	73	1081108	13.4514	PPBV	97
37) TETRAHYDROFURAN	8.238	72	173340	14.0890	PPBV	93
38) HEXANE	7.699	57	571589	12.8683	PPBV	89
39) VINYL ACETATE	6.806	86	62812	12.3718	PPBV #	69
40) 1,1-DICHLOROETHANE	6.647	63	730632	12.5370	PPBV	99
41) METHYL ETHYL KETONE	7.051	72	181023	14.7210	PPBV #	84
42) cis-1,2-DICHLOROETHYLENE	7.498	96	388757	11.9483	PPBV	93
43) DIISOPROPYL ETHER	7.718	59	173894	12.8880	PPBV #	83
44) ETHYL ACETATE	7.748	61	131535	14.5003	PPBV #	96
45) METHYL ACRYLATE	7.730	55	737514	13.6580	PPBV	98
46) CHLOROFORM	7.810	83	932936	12.8195	PPBV	98
47) 2,4-DIMETHYLPENTANE	8.660	57	643935	13.2559	PPBV	99
48) 1,1,1-TRICHLOROETHANE	8.874	97	932528	12.6198	PPBV	97

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55700.D
Acq On : 17 Dec 2024 8:32 pm
Operator : thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 18:32:56 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
49) CARBON TETRACHLORIDE	9.565	117	977527	12.5168	PPBV		100
50) 1,2-DICHLOROETHANE	8.605	62	663626	14.0198	PPBV		98
52) BENZENE	9.394	78	1170534	12.2253	PPBV		99
53) CYCLOHEXANE	9.700	84	450644	12.5296	PPBV		97
54) 2,3-DIMETHYLPENTANE	10.000	71	244517	12.5920	PPBV		98
55) TRICHLOROETHYLENE	10.648	95	563731	11.1681	PPBV		93
56) 1,2-DICHLOROPROPANE	10.355	63	455764	11.2146	PPBV		96
57) DIBROMOMETHANE	10.330	174	640573	12.9639	PPBV		87
58) ETHYL ACRYLATE	10.410	55	894070	13.9460	PPBV		99
59) BROMODICHLOROMETHANE	10.599	83	1096175	12.4360	PPBV		100
60) 2,2,4-TRIMETHYLPENTANE	10.679	57	1810078	12.4491	PPBV		98
61) 1,4-DIOXANE	10.667	88	262414	11.7689	PPBV	#	87
62) HEPTANE	11.027	43	692024	13.6267	PPBV		94
63) METHYL METHACRYLATE	10.936	69	435827	13.6920	PPBV		92
64) METHYL ISOBUTYL KETONE	11.786	58	353359	13.0593	PPBV	#	83
65) cis-1,3-DICHLOROPROPENE	11.725	75	805461	13.0465	PPBV		93
66) TOLUENE	12.961	92	771776	11.5242	PPBV		98
67) 1,3-DICHLOROPROPANE	13.003	76	721866	12.2521	PPBV	#	99
68) trans-1,3-DICHLOROPROPENE	12.404	75	730655	12.8581	PPBV		94
69) 1,1,2-TRICHLOROETHANE	12.612	83	477290	11.7978	PPBV		96
71) 2-HEXANONE	13.358	58	505319	12.9114	PPBV		82
72) ETHYL METHACRYLATE	13.389	69	748660	13.0646	PPBV		94
73) TETRACHLOROETHYLENE	14.466	164	646497	11.9302	PPBV		84
74) DIBROMOCHLOROMETHANE	13.505	129	957673	10.8685	PPBV		99
75) 1,2-DIBROMOETHANE	13.823	107	821840	11.2479	PPBV		100
76) OCTANE	14.325	43	1000955	13.7360	PPBV		94
77) 1,1,1,2-TETRACHLOROETHANE	15.389	131	625512	10.2814	PPBV		90
78) CHLOROBENZENE	15.402	112	1074618	10.0617	PPBV		93
79) ETHYLBENZENE	15.958	91	1824972	11.9314	PPBV		97
80) m,p-XYLENE	16.234	106	1282140	22.0915	PPBV		93
81) o-XYLENE	16.900	106	643598	11.4241	PPBV		92
82) STYRENE	16.747	104	987985	12.2269	PPBV		96
83) NONANE	17.310	43	1057154	13.9014	PPBV		97
84) BROMOFORM	16.289	173	1332200	14.7771	PPBV		99
86) 1,1,2,2-TETRACHLOROETHANE	16.900	83	1314867	11.6113	PPBV		99
87) 1,2,3-TRICHLOROPROPANE	17.096	75	931482	11.3923	PPBV		95
88) ISOPROPYLBENZENE	17.812	105	1869433	10.7239	PPBV		96
89) BROMOBENZENE	17.904	77	1084437	11.0142	PPBV		98
90) 2-CHLOROTOLUENE	18.546	126	452203	10.3535	PPBV		100
91) n-PROPYLBENZENE	18.632	120	482605	10.9202	PPBV		99
92) 4-ETHYLTOLUENE	18.876	105	1913832	11.8952	PPBV		99
93) 1,3,5-TRIMETHYLBENZENE	19.011	105	1598724	11.6271	PPBV		98
94) ALPHA-METHYLSTYRENE	19.250	118	753685	10.1544	PPBV		97
95) tert-BUTYLBENZENE	19.611	134	323983	10.7921	PPBV		93
96) 1,2,4-TRIMETHYLBENZENE	19.623	105	1752820	12.1500	PPBV		98
97) m-DICHLOROBENZENE	19.812	146	1265483	11.1404	PPBV		98
98) BENZYL CHLORIDE	19.806	91	1786034	11.5343	PPBV		97
99) p-DICHLOROBENZENE	19.923	146	1231073	11.6079	PPBV		98
100) sec-BUTYLBENZENE	20.014	134	389937	10.8867	PPBV	#	88
101) 1,2,3-TRIMETHYLBENZENE	20.235	105	1704534	11.6335	PPBV	#	97
102) p-ISOPROPYLTOLUENE	20.259	134	453456	10.7719	PPBV		94
103) o-DICHLOROBENZENE	20.400	146	1154974	11.2005	PPBV		98
104) n-BUTYLBENZENE	20.852	134	440098	11.3651	PPBV	#	77
105) HEXACHLOROETHANE	21.317	117	908545	12.5865	PPBV	#	81
106) HEXACHLOROBUTADIENE	23.361	225	1704722	17.5722	PPBV		99
107) 1,2,4-TRICHLOROBENZENE	23.214	180	1397381	15.2088	PPBV		96
108) NAPHTHALENE	22.877	128	2277222	11.2912	PPBV		100
110) TVHC as equiv Pentane	5.228	TIC	2517105	11.3419	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55700.D
Acq On : 17 Dec 2024 8:32 pm
Operator : thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 18:32:56 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

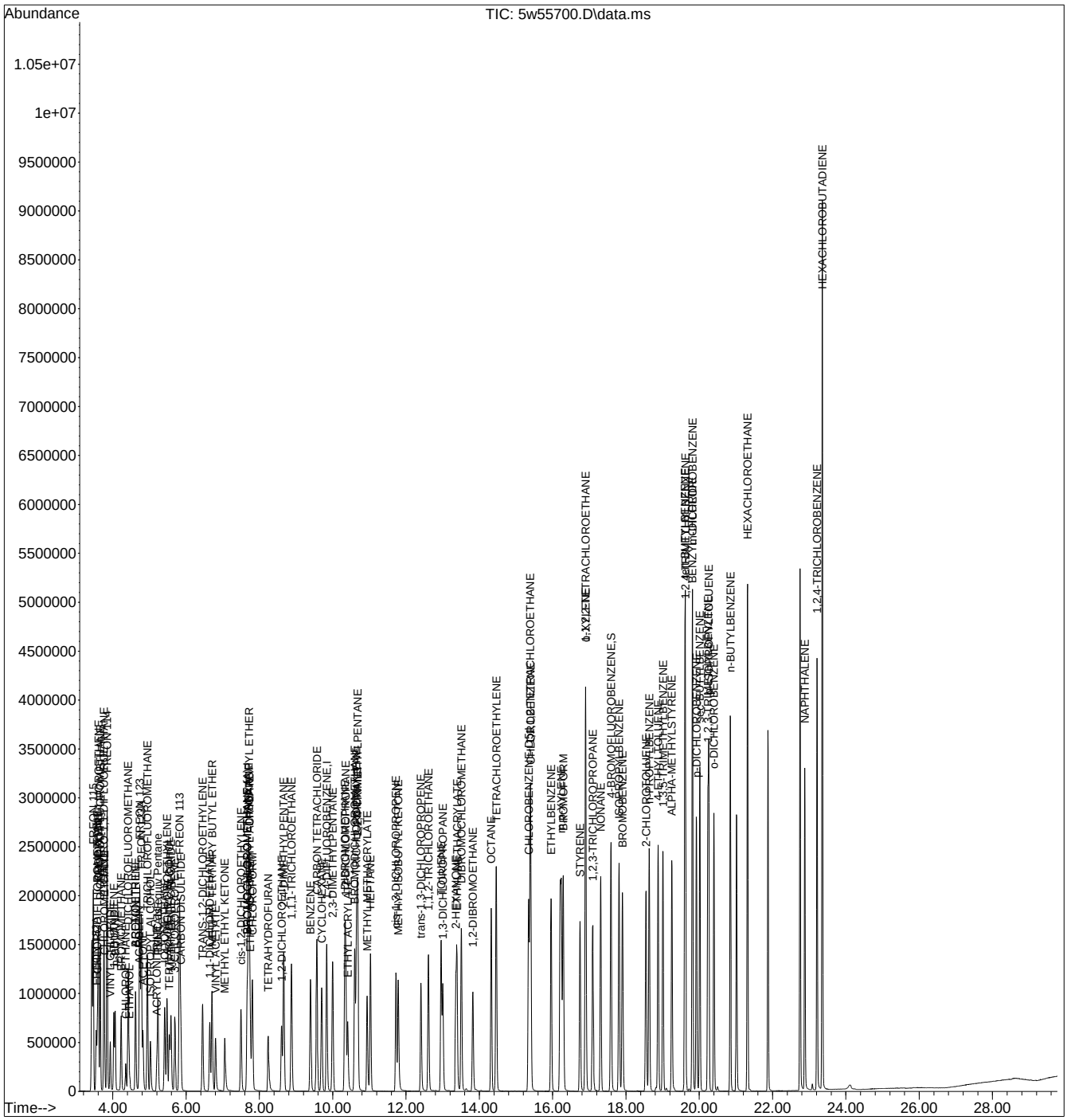
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55700.D
Acq On : 17 Dec 2024 8:32 pm
Operator : thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 18:32:56 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-20-2024\V5w2135\
Data File : 5w55752.D
Acq On : 19 Dec 2024 4:21 pm
Operator : thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2135,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 20 13:27:58 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	7.669	128	322187	10.00	PPBV	# 0.00
51) 1,4-DIFLUOROBENZENE	9.835	114	1499665	10.00	PPBV	0.00
70) CHLOROBENZENE-D5	15.341	82	960430	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	7.669	128	322187	10.00	PPBV	# 0.00
System Monitoring Compounds						
85) 4-BROMOFLUOROBENZENE	17.586	95	1064085	9.90	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 99.00%			
Target Compounds						Qvalue
2) FREON 115	3.460	119	572368	12.9781	PPBV	87
3) FREON 152A	3.540	65	304195	12.7614	PPBV	93
4) CHLORODIFLUOROMETHANE	3.576	67	165868	13.4197	PPBV	94
5) CHLOROTRIFLUOROETHENE	3.601	116	591221	10.5978	PPBV	98
6) DICHLORODIFLUOROMETHANE	3.650	85	1503908	12.7731	PPBV	99
7) PROPYLENE	3.595	41	388458	13.0997	PPBV	98
8) 1-CHLORO-1,1-DIFLUOROE...	3.754	65	1513638	12.5538	PPBV	98
9) FREON 114	3.839	85	1775578	12.2943	PPBV	95
10) CHLOROMETHANE	3.772	52	164996	10.8669	PPBV	98
11) VINYL CHLORIDE	3.925	62	589234	11.0206	PPBV	98
12) 1,3-BUTADIENE	4.023	54	386821	10.7808	PPBV #	83
13) n-BUTANE	4.060	43	789454	11.4695	PPBV	98
14) BROMOMETHANE	4.225	94	593232	10.5297	PPBV	99
15) CHLOROETHANE	4.353	64	262008	10.7238	PPBV	98
16) DICHLOROFLUOROMETHANE	4.420	67	1376215	11.3953	PPBV	98
17) ACETONITRILE	4.616	41	440394	11.0768	PPBV	98
18) ACROLEIN	4.714	56	199678	11.5013	PPBV	98
19) FREON 123	4.732	83	1411933	11.6162	PPBV	99
20) FREON 123A	4.775	117	737156	11.4058	PPBV	89
21) TRICHLOROFLUOROMETHANE	4.941	101	1375868	12.6451	PPBV	99
22) ISOPROPYL ALCOHOL	5.026	45	879588	12.7588	PPBV	98
23) ACETONE	4.818	58	220902	8.5009	PPBV #	77
24) PENTANE	5.228	42	464312	13.5577	PPBV	97
25) IODOMETHANE	5.412	142	1207745	13.3056	PPBV	98
26) 1,1-DICHLOROETHYLENE	5.479	96	405357	12.0200	PPBV	91
27) CARBON DISULFIDE	5.846	76	1285518	13.1757	PPBV	96
28) ETHANOL	4.451	45	278563	11.0251	PPBV	99
29) BROMOETHENE	4.616	106	556399	11.5931	PPBV	97
30) ACRYLONITRILE	5.197	52	272810	10.1065	PPBV	98
31) METHYLENE CHLORIDE	5.589	84	385190	11.3986	PPBV	93
32) 3-CHLOROPROPENE	5.693	76	205624	13.1961	PPBV #	84
33) FREON 113	5.815	151	741727	13.2291	PPBV	92
34) TRANS-1,2-DICHLOROETHY...	6.445	96	420322	11.7946	PPBV	93
35) TERTIARY BUTYL ALCOHOL	5.540	59	831426	12.8206	PPBV	94
36) METHYL TERTIARY BUTYL ...	6.709	73	1284152	14.0586	PPBV	97
37) TETRAHYDROFURAN	8.238	72	202111	14.4544	PPBV	88
38) HEXANE	7.700	57	686887	13.6067	PPBV	89
39) VINYL ACETATE	6.800	86	77597	13.4482	PPBV #	71
40) 1,1-DICHLOROETHANE	6.647	63	856094	12.9255	PPBV	98
41) METHYL ETHYL KETONE	7.051	72	210936	15.0933	PPBV #	76
42) cis-1,2-DICHLOROETHYLENE	7.492	96	451331	12.2054	PPBV	92
43) DIISOPROPYL ETHER	7.712	59	205530	13.4031	PPBV #	80
44) ETHYL ACETATE	7.742	61	157391	15.2667	PPBV #	96
45) METHYL ACRYLATE	7.730	55	876667	14.2850	PPBV	98
46) CHLOROFORM	7.810	83	1093698	13.2235	PPBV	98
47) 2,4-DIMETHYLPENTANE	8.660	57	772947	14.0006	PPBV	99
48) 1,1,1-TRICHLOROETHANE	8.874	97	1087105	12.9447	PPBV	97

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-20-2024\V5w2135\
Data File : 5w55752.D
Acq On : 19 Dec 2024 4:21 pm
Operator : thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2135,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 20 13:27:58 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
49)	CARBON TETRACHLORIDE	9.559	117	1148555	12.9404	PPBV		99
50)	1,2-DICHLOROETHANE	8.599	62	778298	14.4676	PPBV		98
52)	BENZENE	9.394	78	1392661	12.8122	PPBV		99
53)	CYCLOHEXANE	9.694	84	535199	13.1075	PPBV		97
54)	2,3-DIMETHYLPENTANE	9.994	71	292793	13.2816	PPBV		99
55)	TRICHLOROETHYLENE	10.648	95	660985	11.5346	PPBV		93
56)	1,2-DICHLOROPROPANE	10.355	63	546899	11.8536	PPBV		97
57)	DIBROMOMETHANE	10.330	174	760051	13.5492	PPBV		86
58)	ETHYL ACRYLATE	10.410	55	1067542	14.6678	PPBV		99
59)	BROMODICHLOROMETHANE	10.599	83	1290808	12.8993	PPBV		100
60)	2,2,4-TRIMETHYLPENTANE	10.679	57	2167838	13.1332	PPBV		98
61)	1,4-DIOXANE	10.661	88	311094	12.2898	PPBV	#	58
62)	HEPTANE	11.028	43	822395	14.2644	PPBV		95
63)	METHYL METHACRYLATE	10.936	69	521152	14.4218	PPBV		92
64)	METHYL ISOBUTYL KETONE	11.786	58	419550	13.6581	PPBV	#	81
65)	cis-1,3-DICHLOROPROPENE	11.725	75	958908	13.6814	PPBV		92
66)	TOLUENE	12.955	92	921854	12.1251	PPBV		99
67)	1,3-DICHLOROPROPANE	13.004	76	861705	12.8830	PPBV	#	99
68)	trans-1,3-DICHLOROPROPENE	12.404	75	870540	13.4944	PPBV		92
69)	1,1,2-TRICHLOROETHANE	12.606	83	569773	12.4058	PPBV		95
71)	2-HEXANONE	13.352	58	613698	13.5452	PPBV		83
72)	ETHYL METHACRYLATE	13.383	69	899734	13.5629	PPBV		93
73)	TETRACHLOROETHYLENE	14.460	164	769694	12.2694	PPBV		84
74)	DIBROMOCHLOROMETHANE	13.505	129	1143172	11.2070	PPBV		100
75)	1,2-DIBROMOETHANE	13.817	107	968378	11.4487	PPBV		100
76)	OCTANE	14.325	43	1201691	14.2450	PPBV		93
77)	1,1,1,2-TETRACHLOROETHANE	15.383	131	738655	10.4877	PPBV		90
78)	CHLOROBENZENE	15.402	112	1267306	10.2500	PPBV		94
79)	ETHYLBENZENE	15.952	91	2158963	12.1928	PPBV		97
80)	m,p-XYLENE	16.228	106	1520798	22.6352	PPBV		92
81)	o-XYLENE	16.895	106	755729	11.5877	PPBV		92
82)	STYRENE	16.748	104	1161541	12.4172	PPBV		96
83)	NONANE	17.304	43	1261487	14.3293	PPBV		97
84)	BROMOFORM	16.283	173	1589690	15.2320	PPBV		99
86)	1,1,2,2-TETRACHLOROETHANE	16.901	83	1558031	11.8850	PPBV		100
87)	1,2,3-TRICHLOROPROPANE	17.090	75	1087468	11.4888	PPBV		94
88)	ISOPROPYLBENZENE	17.812	105	2220386	11.0026	PPBV		96
89)	BROMOBENZENE	17.904	77	1279924	11.2294	PPBV		99
90)	2-CHLOROTOLUENE	18.540	126	528985	10.4621	PPBV		99
91)	n-PROPYLBENZENE	18.632	120	562964	11.0038	PPBV		99
92)	4-ETHYLTOLUENE	18.877	105	2240448	12.0290	PPBV		99
93)	1,3,5-TRIMETHYLBENZENE	19.005	105	1863931	11.7098	PPBV		98
94)	ALPHA-METHYLSTYRENE	19.250	118	887412	10.3280	PPBV		97
95)	tert-BUTYLBENZENE	19.611	134	382494	11.0060	PPBV		94
96)	1,2,4-TRIMETHYLBENZENE	19.623	105	2062867	12.3519	PPBV		98
97)	m-DICHLOROBENZENE	19.813	146	1488141	11.3165	PPBV		98
98)	BENZYL CHLORIDE	19.807	91	2058519	11.4837	PPBV		97
99)	p-DICHLOROBENZENE	19.917	146	1429569	11.6439	PPBV		98
100)	sec-BUTYLBENZENE	20.015	134	456014	10.9977	PPBV	#	87
101)	1,2,3-TRIMETHYLBENZENE	20.235	105	1982399	11.6874	PPBV	#	98
102)	p-ISOPROPYLTOLUENE	20.259	134	527166	10.8176	PPBV		93
103)	o-DICHLOROBENZENE	20.400	146	1333415	11.1701	PPBV		98
104)	n-BUTYLBENZENE	20.847	134	507093	11.3119	PPBV	#	77
105)	HEXACHLOROETHANE	21.311	117	1051510	12.5834	PPBV	#	82
106)	HEXACHLOROBUTADIENE	23.251	225	1947316	17.3393	PPBV		99
107)	1,2,4-TRICHLOROBENZENE	23.116	180	1588513	14.9347	PPBV		96
108)	NAPHTHALENE	22.798	128	2555622	10.9460	PPBV		100
110)	TVHC as equiv Pentane	5.228	TIC	2991185	11.8592	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-20-2024\V5w2135\
Data File : 5w55752.D
Acq On : 19 Dec 2024 4:21 pm
Operator : thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2135,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 20 13:27:58 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

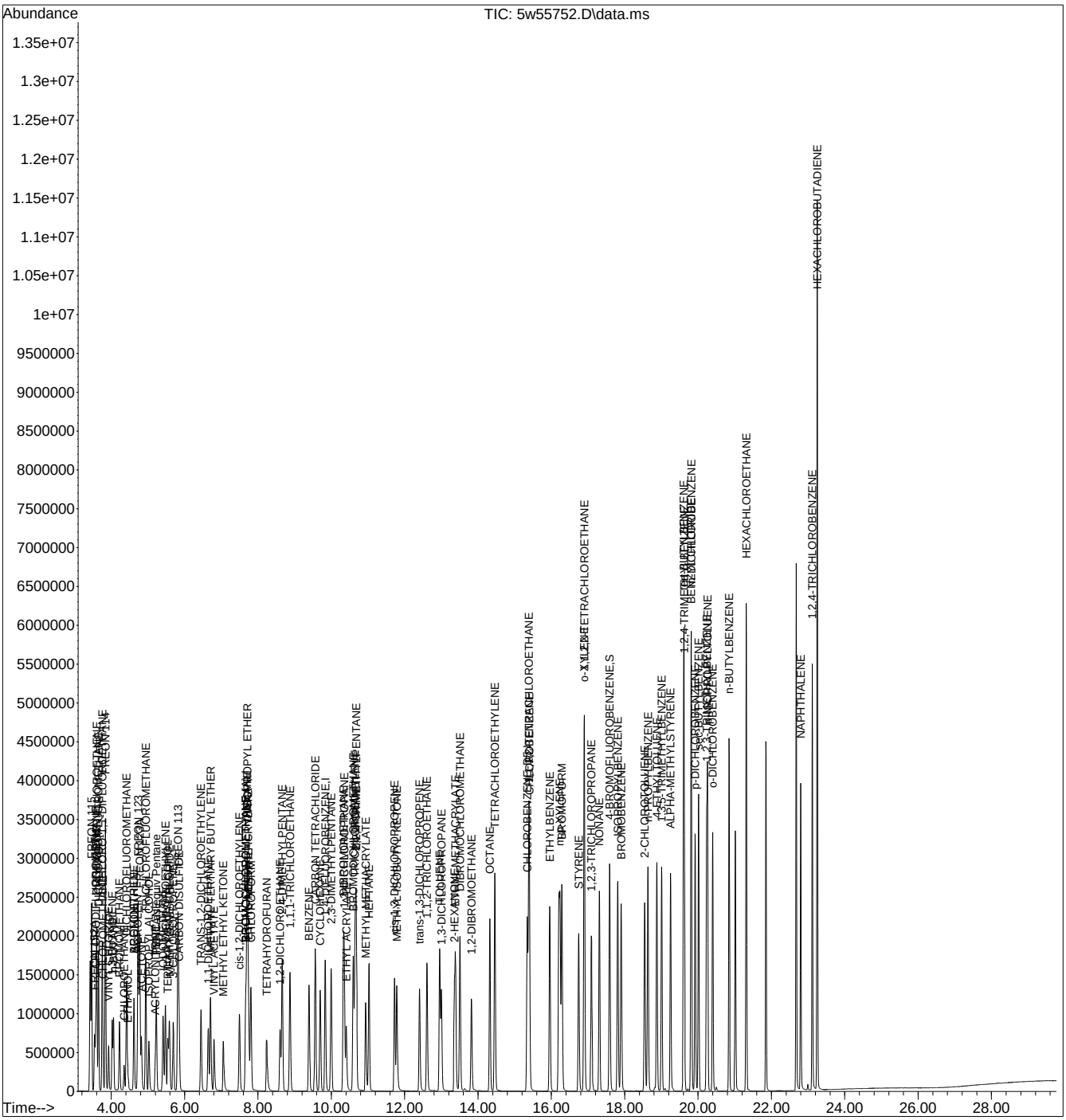
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-20-2024\V5w2135\
Data File : 5w55752.D
Acq On : 19 Dec 2024 4:21 pm
Operator : thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2135,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 20 13:27:58 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55819.D
Acq On : 23 Dec 2024 9:11 am
Operator : thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 24 04:40:07 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.669	128	263070	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.829	114	1217301	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	15.341	82	738303	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.669	128	263070	10.00	PPBV	#	0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	17.586	95	828145	10.02	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 100.20%				
Target Compounds							Qvalue
2) FREON 115	3.466	119	443684	12.3210	PPBV		93
3) FREON 152A	3.546	65	212489	10.9174	PPBV		97
4) CHLORODIFLUOROMETHANE	3.576	67	118141	11.7063	PPBV		98
5) CHLOROTRIFLUOROETHENE	3.607	116	455636	10.0028	PPBV		98
6) DICHLORODIFLUOROMETHANE	3.656	85	1073218	11.1634	PPBV		99
7) PROPYLENE	3.601	41	257735	10.6445	PPBV		98
8) 1-CHLORO-1,1-DIFLUOROE...	3.754	65	1120022	11.3767	PPBV		99
9) FREON 114	3.839	85	1412169	11.9753	PPBV		96
10) CHLOROMETHANE	3.772	52	124915	10.0759	PPBV	#	78
11) VINYL CHLORIDE	3.931	62	476330	10.9110	PPBV		98
12) 1,3-BUTADIENE	4.029	54	312743	10.6749	PPBV		90
13) n-BUTANE	4.066	43	620169	11.0348	PPBV		98
14) BROMOMETHANE	4.231	94	475235	10.3309	PPBV		99
15) CHLOROETHANE	4.353	64	209737	10.5135	PPBV		99
16) DICHLOROFLUOROMETHANE	4.421	67	1073511	10.8864	PPBV		99
17) ACETONITRILE	4.616	41	340326	10.4835	PPBV		99
18) ACROLEIN	4.714	56	158371	11.1720	PPBV		99
19) FREON 123	4.733	83	1097141	11.0548	PPBV		99
20) FREON 123A	4.775	117	579782	10.9867	PPBV		90
21) TRICHLOROFLUOROMETHANE	4.941	101	992534	11.1719	PPBV		100
22) ISOPROPYL ALCOHOL	5.020	45	589792	10.4777	PPBV		98
23) ACETONE	4.818	58	174326	8.2161	PPBV		90
24) PENTANE	5.228	42	306426	10.9582	PPBV		97
25) IODOMETHANE	5.412	142	939913	12.6819	PPBV		94
26) 1,1-DICHLOROETHYLENE	5.479	96	296637	10.7728	PPBV		100
27) CARBON DISULFIDE	5.846	76	905072	11.3609	PPBV		98
28) ETHANOL	4.451	45	218980	10.6145	PPBV		99
29) BROMOETHENE	4.616	106	433197	11.0544	PPBV		98
30) ACRYLONITRILE	5.198	52	185208	8.4030	PPBV		100
31) METHYLENE CHLORIDE	5.589	84	279330	10.1235	PPBV		99
32) 3-CHLOROPROPENE	5.693	76	147321	11.5790	PPBV		96
33) FREON 113	5.815	151	589276	12.8719	PPBV		83
34) TRANS-1,2-DICHLOROETHY...	6.446	96	307408	10.5646	PPBV		99
35) TERTIARY BUTYL ALCOHOL	5.540	59	581566	10.9830	PPBV		97
36) METHYL TERTIARY BUTYL ...	6.702	73	919622	12.3303	PPBV		98
37) TETRAHYDROFURAN	8.232	72	148350	12.9937	PPBV		99
38) HEXANE	7.700	57	459701	11.1527	PPBV		90
39) VINYL ACETATE	6.800	86	56579	12.0092	PPBV		99
40) 1,1-DICHLOROETHANE	6.641	63	598323	11.0636	PPBV		99
41) METHYL ETHYL KETONE	7.051	72	153607	13.4611	PPBV		93
42) cis-1,2-DICHLOROETHYLENE	7.492	96	329132	10.9009	PPBV		98
43) DIISOPROPYL ETHER	7.712	59	144614	11.5498	PPBV		97
44) ETHYL ACETATE	7.742	61	103860	12.3381	PPBV	#	98
45) METHYL ACRYLATE	7.730	55	588812	11.7506	PPBV		100
46) CHLOROFORM	7.804	83	773655	11.4560	PPBV		99
47) 2,4-DIMETHYLPENTANE	8.660	57	526334	11.6760	PPBV		99
48) 1,1,1-TRICHLOROETHANE	8.868	97	772811	11.2702	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55819.D
Acq On : 23 Dec 2024 9:11 am
Operator : thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 24 04:40:07 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
49)	CARBON TETRACHLORIDE	9.559	117	830049	11.4534	PPBV		100
50)	1,2-DICHLOROETHANE	8.599	62	534819	12.1757	PPBV		98
52)	BENZENE	9.394	78	1003717	11.3759	PPBV		99
53)	CYCLOHEXANE	9.694	84	396422	11.9608	PPBV		97
54)	2,3-DIMETHYLPENTANE	9.994	71	212277	11.8628	PPBV		91
55)	TRICHLOROETHYLENE	10.642	95	483189	10.3878	PPBV		96
56)	1,2-DICHLOROPROPANE	10.355	63	382961	10.2258	PPBV		97
57)	DIBROMOMETHANE	10.330	174	614707	13.5000	PPBV		78
58)	ETHYL ACRYLATE	10.404	55	721337	12.2100	PPBV		99
59)	BROMODICHLOROMETHANE	10.599	83	909013	11.1910	PPBV		100
60)	2,2,4-TRIMETHYLPENTANE	10.679	57	1465609	10.9385	PPBV		98
61)	1,4-DIOXANE	10.661	88	227029	11.0492	PPBV	#	69
62)	HEPTANE	11.022	43	560388	11.9745	PPBV		97
63)	METHYL METHACRYLATE	10.930	69	372004	12.6823	PPBV		98
64)	METHYL ISOBUTYL KETONE	11.780	58	297634	11.9368	PPBV		91
65)	cis-1,3-DICHLOROPROPENE	11.725	75	688807	12.1073	PPBV		95
66)	TOLUENE	12.955	92	690703	11.1921	PPBV		99
67)	1,3-DICHLOROPROPANE	12.998	76	615745	11.3411	PPBV	#	100
68)	trans-1,3-DICHLOROPROPENE	12.398	75	622635	11.8904	PPBV		96
69)	1,1,2-TRICHLOROETHANE	12.606	83	405394	10.8742	PPBV		97
71)	2-HEXANONE	13.352	58	429888	12.3429	PPBV		90
72)	ETHYL METHACRYLATE	13.383	69	646680	12.6811	PPBV		98
73)	TETRACHLOROETHYLENE	14.460	164	628528	13.0335	PPBV		80
74)	DIBROMOCHLOROMETHANE	13.505	129	865933	11.0431	PPBV		100
75)	1,2-DIBROMOETHANE	13.817	107	716152	11.0140	PPBV		99
76)	OCTANE	14.325	43	821392	12.6663	PPBV		96
77)	1,1,1,2-TETRACHLOROETHANE	15.384	131	554115	10.2346	PPBV		95
78)	CHLOROBENZENE	15.402	112	950698	10.0026	PPBV		96
79)	ETHYLBENZENE	15.952	91	1588334	11.6689	PPBV		98
80)	m,p-XYLENE	16.209	106	1164310	22.5430	PPBV		98
81)	o-XYLENE	16.895	106	571423	11.3978	PPBV		98
82)	STYRENE	16.748	104	888220	12.3521	PPBV		98
83)	NONANE	17.304	43	857369	12.6690	PPBV		100
84)	BROMOFORM	16.283	173	1248720	15.5647	PPBV		98
86)	1,1,2,2-TETRACHLOROETHANE	16.901	83	1093404	10.8501	PPBV		100
87)	1,2,3-TRICHLOROPROPANE	17.090	75	770661	10.5914	PPBV		96
88)	ISOPROPYLBENZENE	17.806	105	1668204	10.7534	PPBV		98
89)	BROMOBENZENE	17.904	77	920121	10.5015	PPBV		88
90)	2-CHLOROTOLUENE	18.540	126	405141	10.4235	PPBV		100
91)	n-PROPYLBENZENE	18.632	120	441199	11.2183	PPBV		99
92)	4-ETHYLTOLUENE	18.877	105	1704719	11.9063	PPBV		99
93)	1,3,5-TRIMETHYLBENZENE	19.005	105	1434926	11.7269	PPBV		99
94)	ALPHA-METHYLSTYRENE	19.250	118	695654	10.5321	PPBV		98
95)	tert-BUTYLBENZENE	19.611	134	311530	11.6610	PPBV		96
96)	1,2,4-TRIMETHYLBENZENE	19.623	105	1567244	12.2076	PPBV		99
97)	m-DICHLOROBENZENE	19.813	146	1161828	11.4932	PPBV		96
98)	BENZYL CHLORIDE	19.807	91	1522621	11.0497	PPBV		98
99)	p-DICHLOROBENZENE	19.917	146	1135811	12.0346	PPBV		95
100)	sec-BUTYLBENZENE	20.015	134	373153	11.7069	PPBV		100
101)	1,2,3-TRIMETHYLBENZENE	20.235	105	1526328	11.7060	PPBV	#	99
102)	p-ISOPROPYLTOLUENE	20.259	134	432797	11.5531	PPBV		97
103)	o-DICHLOROBENZENE	20.400	146	1063562	11.5900	PPBV		96
104)	n-BUTYLBENZENE	20.847	134	424199	12.3098	PPBV		95
105)	HEXACHLOROETHANE	21.312	117	800997	12.4694	PPBV	#	75
106)	HEXACHLOROBUTADIENE	23.251	225	1750424	20.2754	PPBV		99
107)	1,2,4-TRICHLOROBENZENE	23.116	180	1448982	17.7214	PPBV		96
108)	NAPHTHALENE	22.798	128	2170339	12.0926	PPBV		100
110)	TVHC as equiv Pentane	5.228	TIC	2047811	9.9435	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55819.D
Acq On : 23 Dec 2024 9:11 am
Operator : thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 24 04:40:07 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

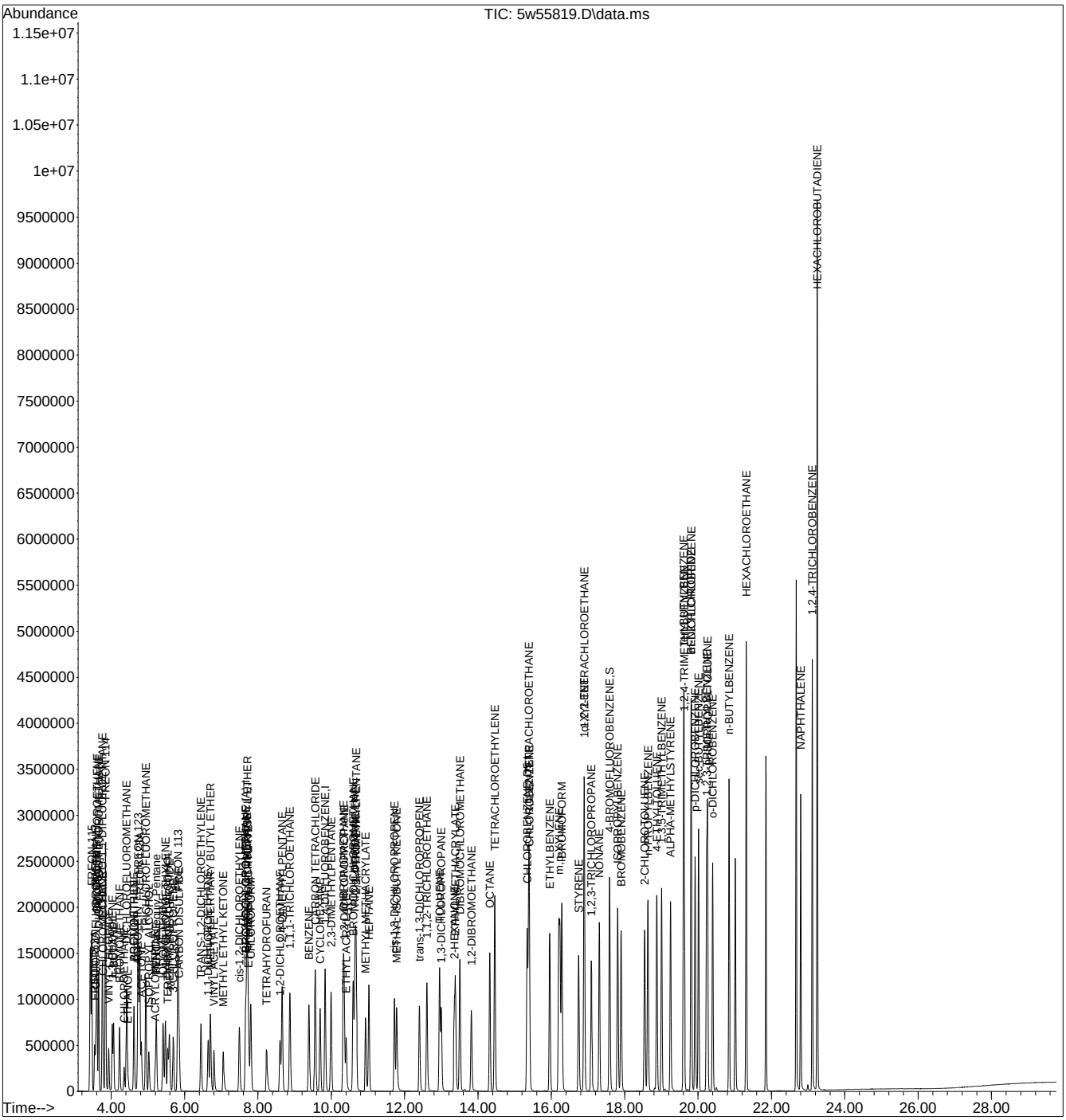
(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.7.24
7

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55819.D
Acq On : 23 Dec 2024 9:11 am
Operator : thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 24 04:40:07 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 08/19/24 10:53

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 09:49:15 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.267	128	86358	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.547	114	435174	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.119	117	379594	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.267	128	86358	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.479	95	275352	9.89	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.618	119	521	0.05	PPBV		95
3) FREON 152A	1.650	65	283	0.05	PPBV		98
4) CHLORODIFLUOROMETHANE	1.659	67	125	0.04	PPBV	#	38
5) CHLOROTRIFLUOROETHENE	1.676	116	644	0.05	PPBV		79
6) DICHLORODIFLUOROMETHANE	1.688	85	1424	0.04	PPBV		95
7) PROPYLENE	1.672	41	412	0.05	PPBV	#	75
8) 1-CHLORO-1,1-DIFLUOROE...	1.724	65	1198	0.04	PPBV	#	77
9) FREON 114	1.759	85	1188	0.04	PPBV		97
10) CHLOROMETHANE	1.733	52	270	0.06	PPBV		88
11) VINYL CHLORIDE	1.795	62	622	0.05	PPBV	#	84
12) 1,3-BUTADIENE	1.833	54	532	0.05	PPBV	#	38
13) N-BUTANE	1.849	43	921	0.05	PPBV	#	1
14) BROMOMETHANE	1.910	94	499	0.05	PPBV		100
15) CHLOROETHANE	1.958	64	295	0.04	PPBV		95
16) DICHLOROFLUOROMETHANE	1.984	67	1087	0.04	PPBV	#	74
17) ACETONITRILE	2.055	41	1005	0.07	PPBV	#	82
19) FREON 123	2.106	83	1209	0.04	PPBV		92
20) FREON 123A	2.126	117	644	0.04	PPBV		98
21) TRICHLOROFLUOROMETHANE	2.190	101	1284	0.04	PPBV		98
22) ISOPROPYL ALCOHOL	2.229	45	1604	0.05	PPBV	#	74
23) ACETONE	2.142	58	1052	0.10	PPBV		91
24) PENTANE	2.306	42	809	0.05	PPBV	#	91
25) IODOMETHANE	2.367	142	1057	0.04	PPBV		95
26) 1,1-DICHLOROETHYLENE	2.389	96	495	0.04	PPBV		92
27) CARBON DISULFIDE	2.528	76	1277	0.04	PPBV	#	75
28) ETHANOL	2.000	45	820	0.07	PPBV	#	64
29) BROMOETHENE	2.061	106	450	0.04	PPBV	#	80
30) ACRYLONITRILE	2.277	52	632	0.06	PPBV		87
31) METHYLENE CHLORIDE	2.425	84	890	0.07	PPBV		87
32) 3-CHLOROPROPENE	2.470	76	287	0.05	PPBV	#	1
33) FREON 113	2.521	151	715	0.04	PPBV		95
34) TRANS-1,2-DICHLOROETHENE	2.753	96	522	0.04	PPBV		78
35) TERTIARY BUTYL ALCOHOL	2.447	59	1139	0.04	PPBV	#	51
36) METHYL TERTIARY BUTYL ...	2.878	73	1180	0.04	PPBV	#	81
37) TETRAHYDROFURAN	3.598	72	164	0.03	PPBV	#	47
38) HEXANE	3.322	57	1231	0.05	PPBV		88
39) VINYL ACETATE	2.910	86	51	0.02	PPBV	#	1
40) 1,1-DICHLOROETHANE	2.830	63	955	0.04	PPBV	#	86
41) METHYL ETHYL KETONE	3.010	72	219	0.04	PPBV	#	14
42) CIS-1,2-DICHLOROETHENE	3.190	96	521	0.04	PPBV		97
43) DIISOPROPYL ETHER	3.338	59	208	0.03	PPBV		43
44) ETHYL ACETATE	3.341	61	177	0.04	PPBV	#	83
45) METHYL ACRYLATE	3.328	55	948	0.04	PPBV		90
46) CHLOROFORM	3.344	83	987	0.04	PPBV		97
47) 2,4-DIMETHYLPENTANE	3.836	57	1018	0.04	PPBV		92
48) 1,1,1-TRICHLOROETHANE	3.910	97	923	0.04	PPBV		93
49) CARBON TETRACHLORIDE	4.335	117	765	0.03	PPBV		94
50) 1,2-DICHLOROETHANE	3.749	62	737	0.04	PPBV	#	91

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 09:49:15 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration

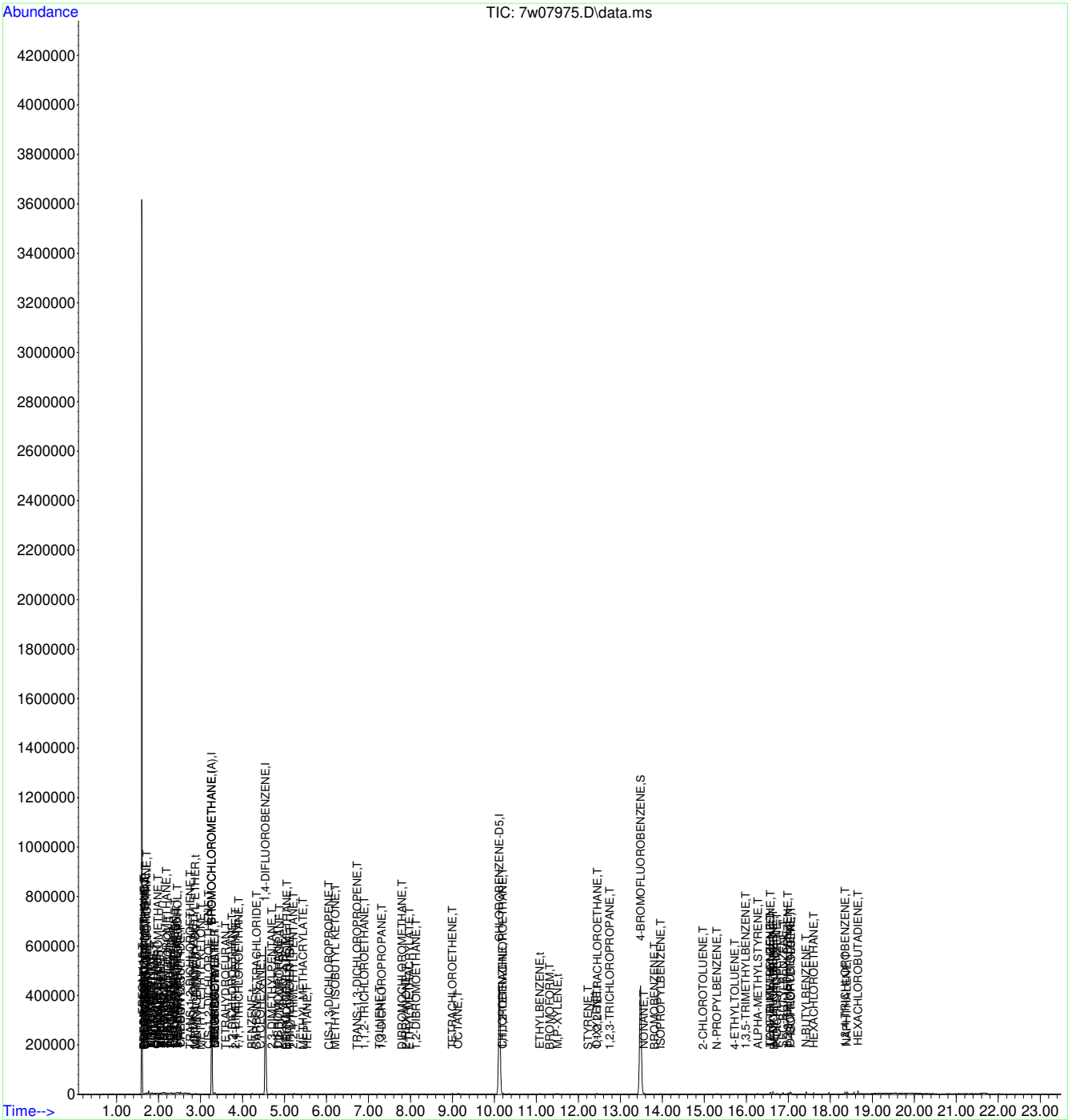
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
51) BENZENE	4.219	78	1765	0.05	PPBV		98
53) CYCLOHEXANE	4.428	84	693	0.04	PPBV		95
54) 2,3-DIMETHYLPENTANE	4.695	71	323	0.04	PPBV	#	73
55) TRICHLOROETHENE	5.122	95	728	0.04	PPBV		89
56) 1,2-DICHLOROPROPANE	4.884	63	609	0.04	PPBV	#	86
57) DIBROMOMETHANE	4.846	174	617	0.04	PPBV		90
58) ETHYL ACRYLATE	5.032	55	1286	0.04	PPBV	#	86
59) BROMODICHLOROMETHANE	5.061	83	937	0.04	PPBV		95
60) 2,2,4-TRIMETHYLPENTANE	5.216	57	3047	0.04	PPBV	#	93
62) HEPTANE	5.540	43	1123	0.04	PPBV		92
63) METHYL METHACRYLATE	5.447	69	574	0.04	PPBV	#	85
64) METHYL ISOBUTYL KETONE	6.206	58	746	0.05	PPBV	#	1
65) CIS-1,3-DICHLOROPROPENE	6.058	75	655	0.03	PPBV		86
66) TOLUENE	7.264	91	2052	0.04	PPBV		98
67) 1,3-DICHLOROPROPANE	7.315	76	924	0.04	PPBV	#	84
68) TRANS-1,3-DICHLOROPROPENE	6.730	75	422	0.03	PPBV		90
69) 1,1,2-TRICHLOROETHANE	6.904	83	497	0.04	PPBV		98
70) 2-HEXANONE	7.900	58	1104	0.05	PPBV	#	95
71) ETHYL METHACRYLATE	7.978	69	838	0.04	PPBV	#	87
72) TETRACHLOROETHENE	8.994	164	878	0.05	PPBV		93
73) DIBROMOCHLOROMETHANE	7.797	129	793	0.03	PPBV		92
74) 1,2-DIBROMOETHANE	8.138	107	952	0.04	PPBV	#	99
75) OCTANE	9.135	43	2128	0.06	PPBV	#	79
77) 1,1,1,2-TETRACHLOROETHANE	10.196	131	638	0.04	PPBV		86
78) CHLOROBENZENE	10.190	112	1477	0.04	PPBV	#	87
79) ETHYLBENZENE	11.080	91	2859	0.05	PPBV		99
80) M,P-XYLENE	11.505	91	4346m	0.09	PPBV		
81) O-XYLENE	12.434	91	2112	0.04	PPBV		84
82) STYRENE	12.231	104	1406	0.04	PPBV	#	67
83) NONANE	13.556	43	1791	0.05	PPBV	#	83
84) BROMOFORM	11.318	173	690m	0.03	PPBV		
85) 1,1,2,2-TETRACHLOROETHANE	12.456	83	1288	0.04	PPBV	#	90
86) 1,2,3-TRICHLOROPROPANE	12.743	75	1102	0.04	PPBV	#	99
88) ISOPROPYLBENZENE	13.958	120	662	0.04	PPBV		78
89) BROMOBENZENE	13.810	77	1167	0.03	PPBV		95
90) 2-CHLOROTOLUENE	14.964	126	643	0.04	PPBV	#	62
91) N-PROPYLBENZENE	15.299	120	676	0.04	PPBV	#	62
92) 4-ETHYLTOLUENE	15.723	105	2657m	0.04	PPBV		
93) 1,3,5-TRIMETHYLBENZENE	15.987	105	2186	0.04	PPBV		97
94) ALPHA-METHYLSTYRENE	16.276	118	1080	0.04	PPBV		98
95) TERT-BUTYLBENZENE	16.569	134	543	0.04	PPBV		94
96) 1,2,4-TRIMETHYLBENZENE	16.578	105	2186	0.04	PPBV		95
97) BENZYL CHLORIDE	16.662	91	535	0.02	PPBV	#	61
98) M-DICHLOROBENZENE	16.636	146	1366	0.04	PPBV		94
99) P-DICHLOROBENZENE	16.730	146	1547	0.04	PPBV		97
100) O-DICHLOROBENZENE	17.041	146	1438	0.04	PPBV		96
101) SEC-BUTYLBENZENE	16.871	134	621	0.04	PPBV		88
102) 1,2,3-TRIMETHYLBENZENE	16.990	105	2316	0.04	PPBV	#	89
103) P-ISOPROPYLTOLUENE	17.064	134	687	0.04	PPBV		94
104) N-BUTYLBENZENE	17.424	134	648	0.04	PPBV		83
105) HEXACHLOROETHANE	17.604	117	508	0.03	PPBV		93
106) HEXACHLOROBUTADIENE	18.659	225	1096	0.04	PPBV		95
107) 1,2,4-TRICHLOROBENZENE	18.350	180	1301	0.04	PPBV		97
108) NAPHTHALENE	18.395	128	4007	0.04	PPBV		100
110) TVHC as equiv Pentane	2.306	TIC	3733m	0.04	PPBV		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 09:49:15 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration



Manual Integration Approval Summary

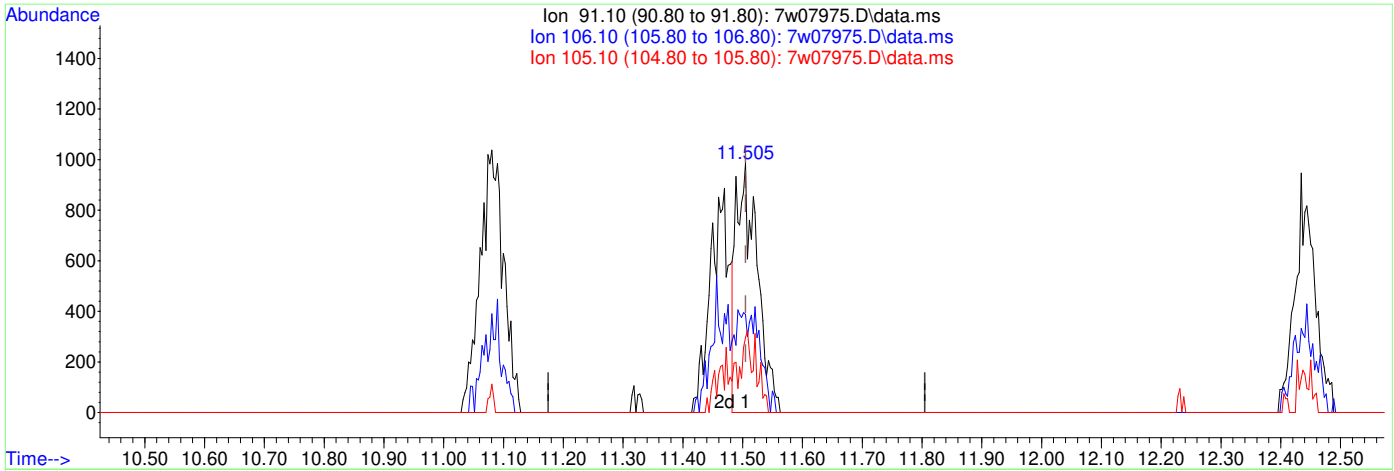
Sample Number: V7W305-IC305 **Method:** TO-15
Lab FileID: 7W07975.D **Analyst approved:** 08/19/24 10:01 Benjamin Kim
Injection Time: 08/18/24 21:40 **Supervisor approved:** 08/19/24 10:53 Kanya Veerawat

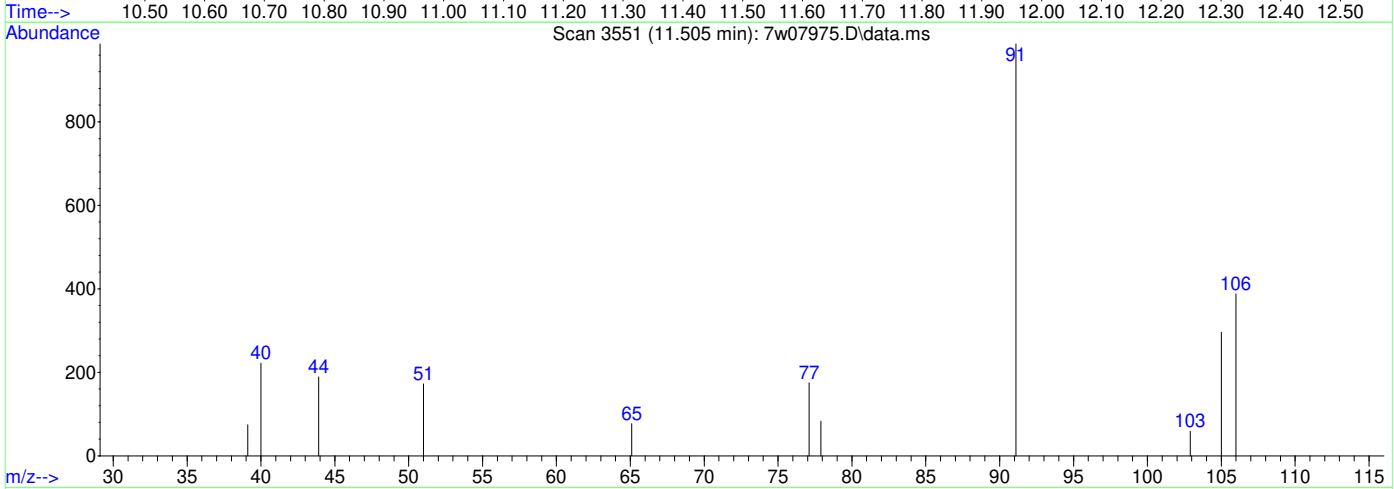
Parameter	CAS	Sig#	R.T. (min.)	Reason
TVHC As Equiv Pentane			2.31	Poor instrument integration
Bromoform	75-25-2		11.32	Split peak
m,p-Xylene			11.50	Split peak
4-Ethyltoluene	622-96-8		15.72	Split peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 03:00:44 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration





TIC: 7w07975.D\data.ms

(80) M,P-XYLENE (t)

11.505min (-0.000) 0.05PPBV

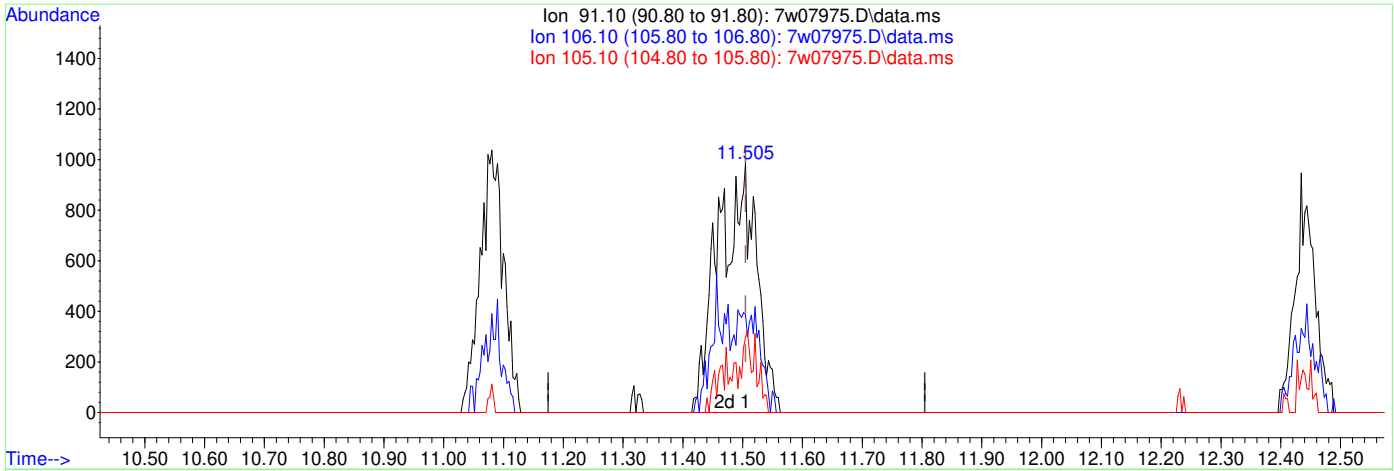
response 2415

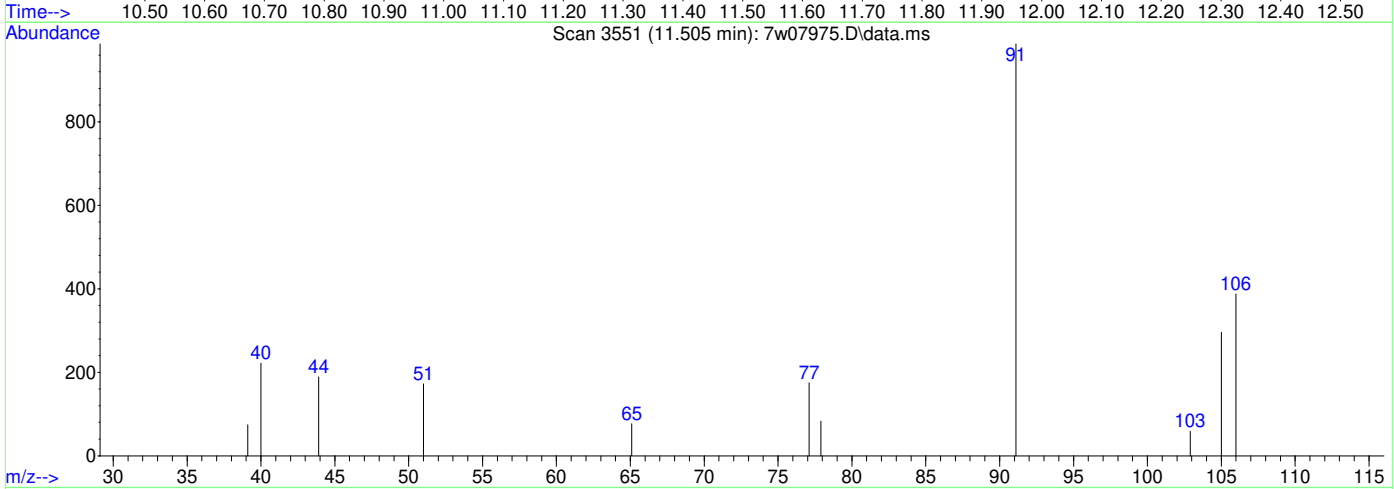
Ion	Exp%	Act%
91.10	100	100
106.10	24.00	17.97
105.10	11.30	30.39
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 03:00:44 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration





TIC: 7w07975.D\data.ms

(80) M,P-XYLENE (t)

11.505min (-0.000) 0.09PPBV m

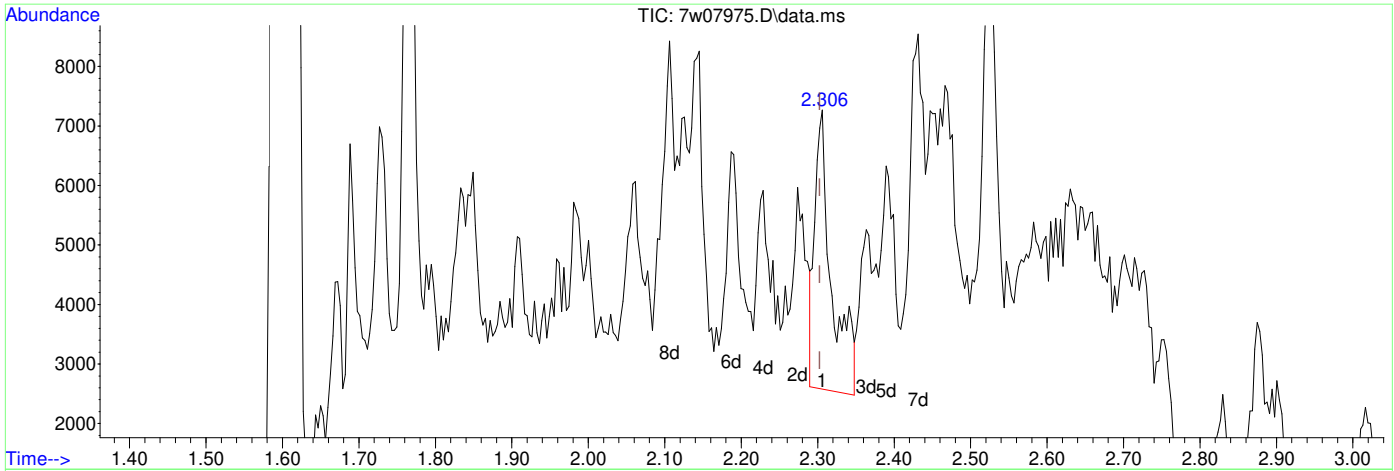
response 4346

Ion	Exp%	Act%
91.10	100	100
106.10	24.00	9.99
105.10	11.30	16.89
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 03:01:09 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration



TIC: 7w07975.D\data.ms

(110) TVHC as equiv Pentane

2.306min (+0.003) 0.08PPBV

response 7138

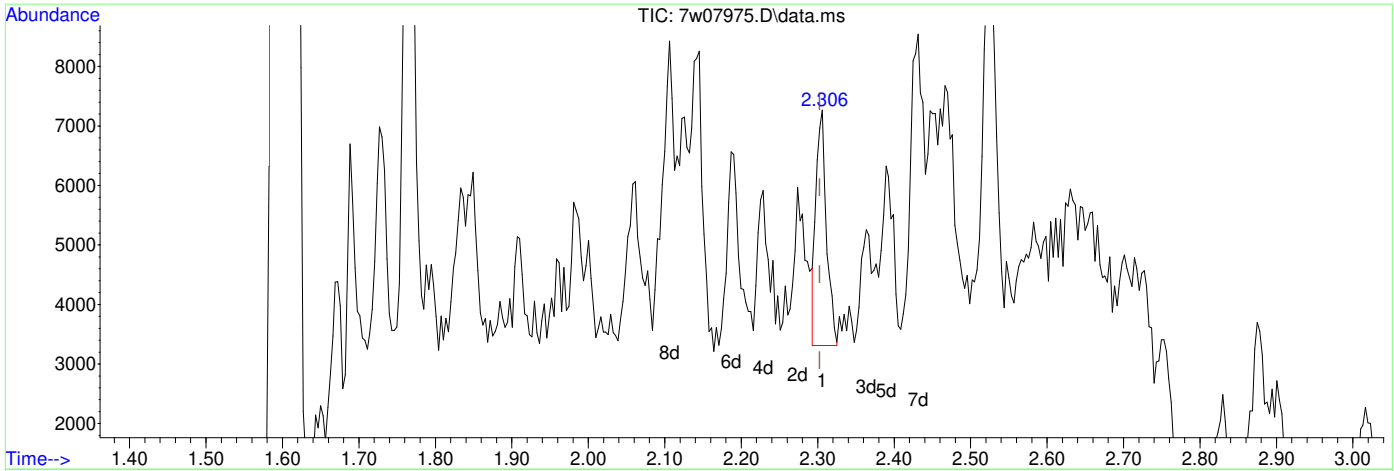
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

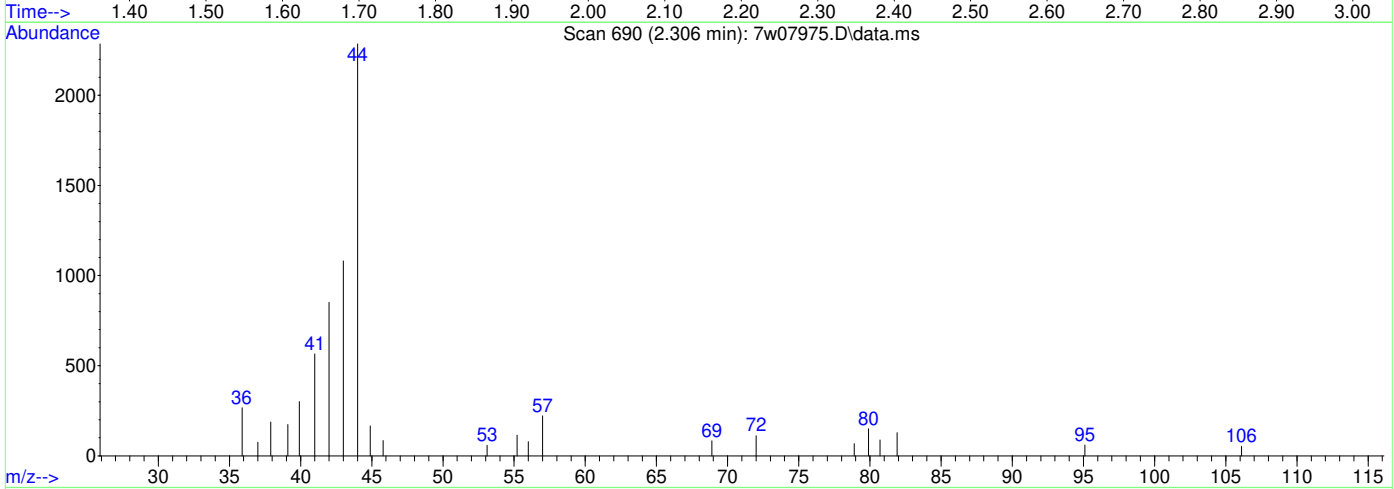
7W07975.D edits: TVHC as equiv Pentane

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 03:01:09 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration





TIC: 7w07975.D\data.ms

(110) TVHC as equiv Pentane

2.306min (+0.003) 0.04PPBV m

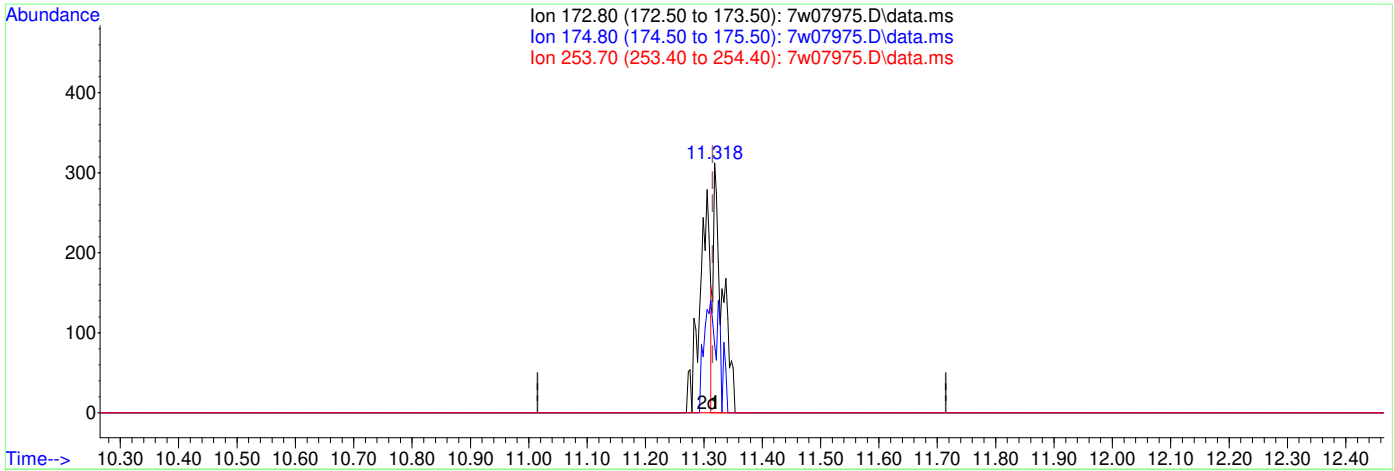
response 3733

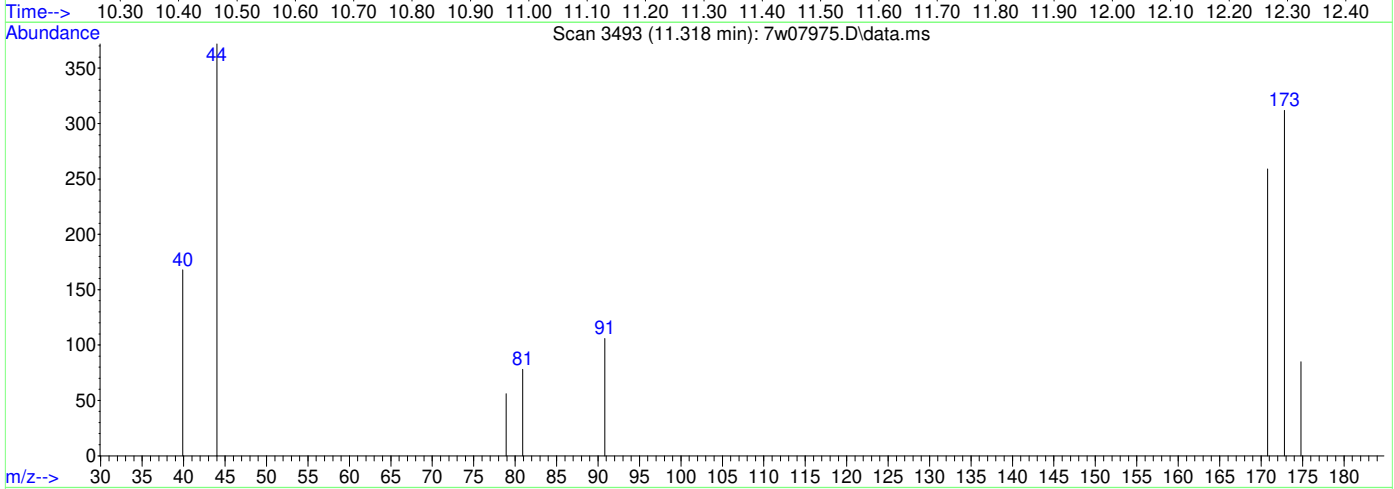
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 09:48:13 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration





TIC: 7w07975.D\data.ms

(84) BROMOFORM (T)

11.318min (+0.003) 0.02PPBV

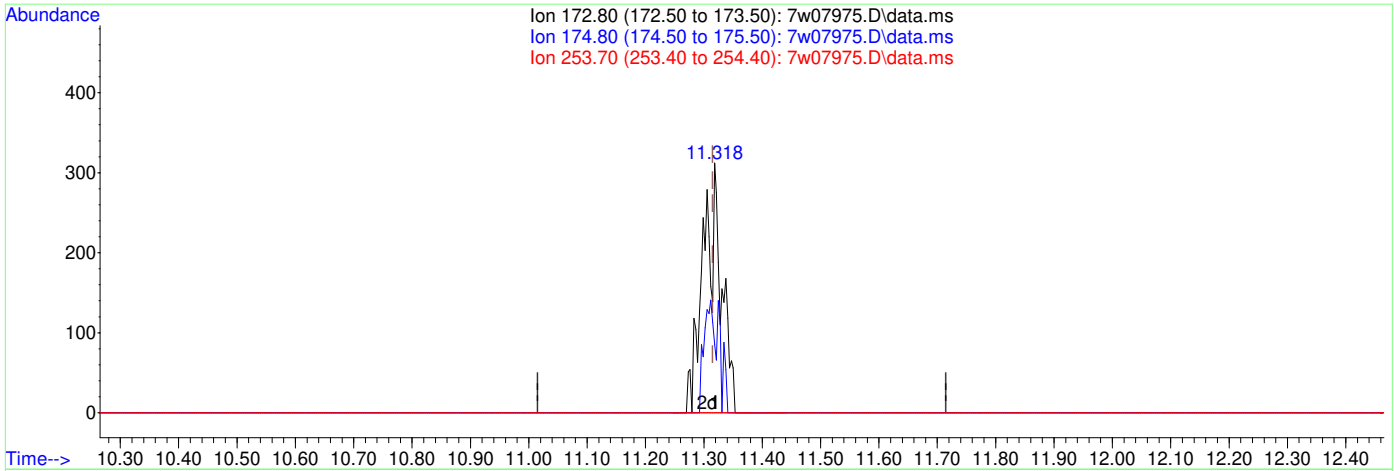
response 343

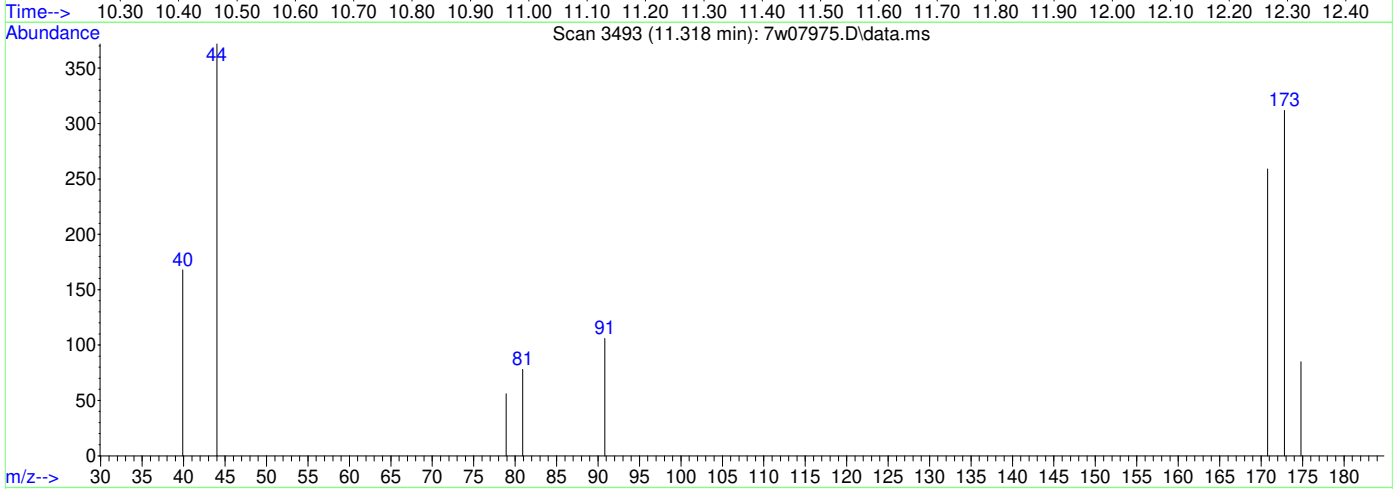
Ion	Exp%	Act%
172.80	100	100
174.80	48.30	73.76#
253.70	8.60	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 09:48:13 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration





TIC: 7w07975.D\data.ms

(84) BROMOFORM (T)

11.318min (+0.003) 0.03PPBV m

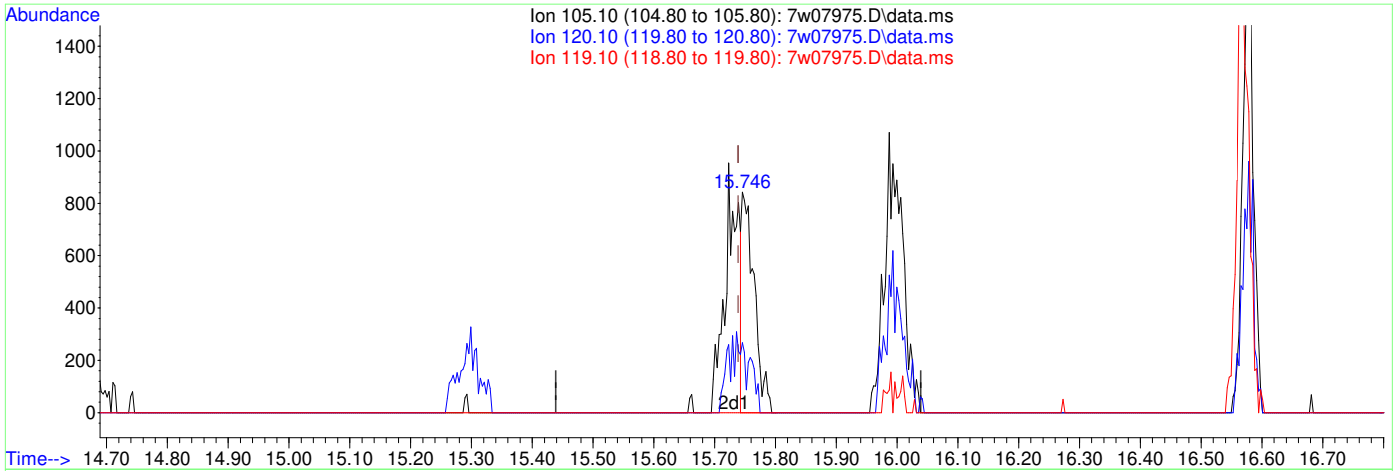
response 690

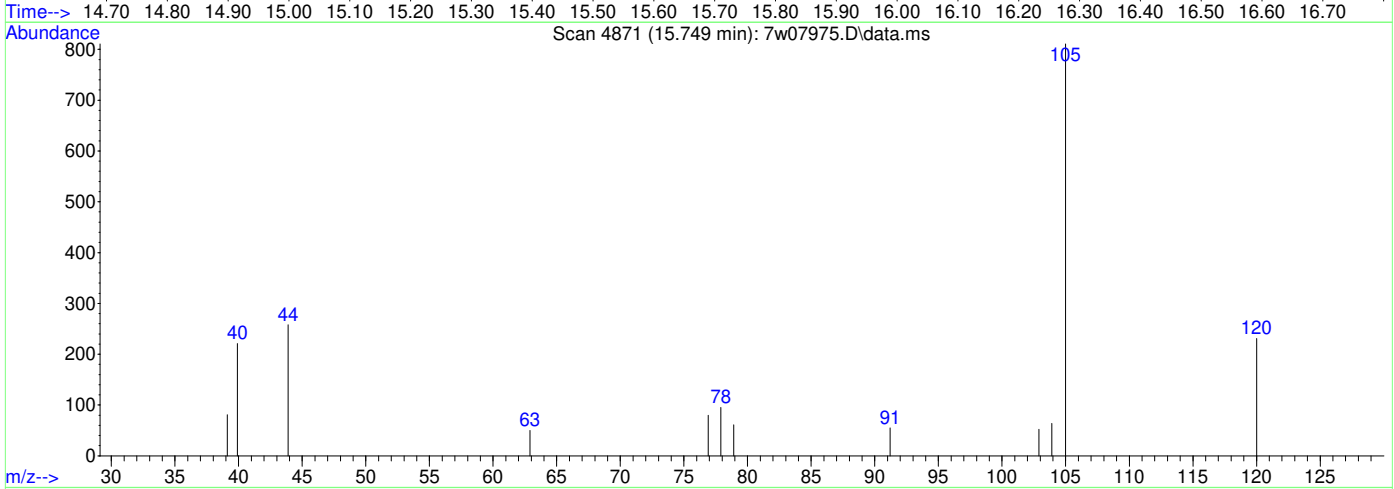
Ion	Exp%	Act%
172.80	100	100
174.80	48.30	36.67
253.70	8.60	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 09:48:13 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration





TIC: 7w07975.D\data.ms

(92) 4-ETHYLTOLUENE (T)

15.749min (+0.010) 0.02PPBV

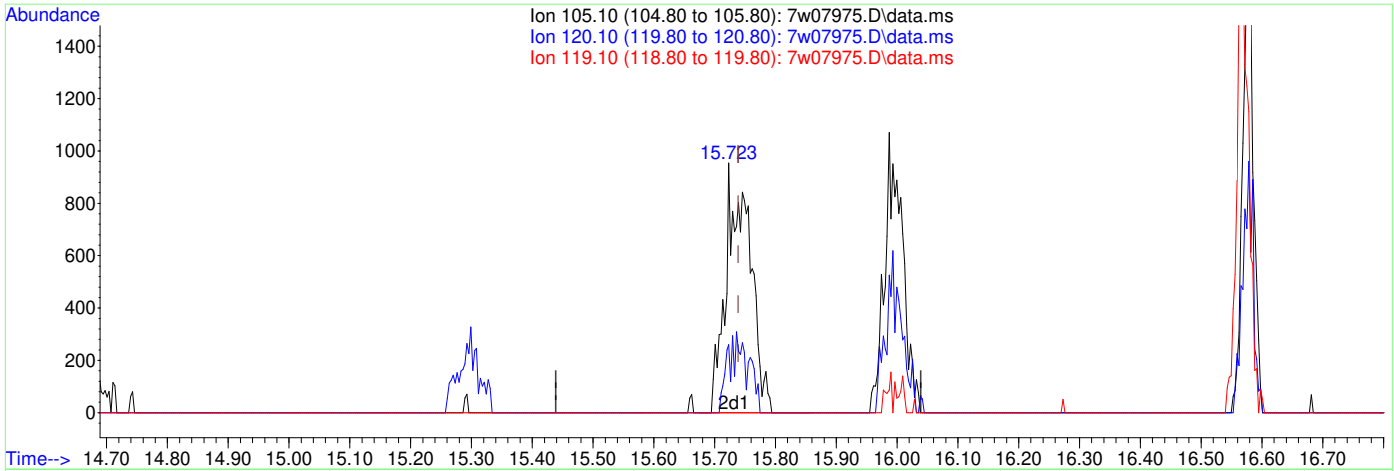
response 1190

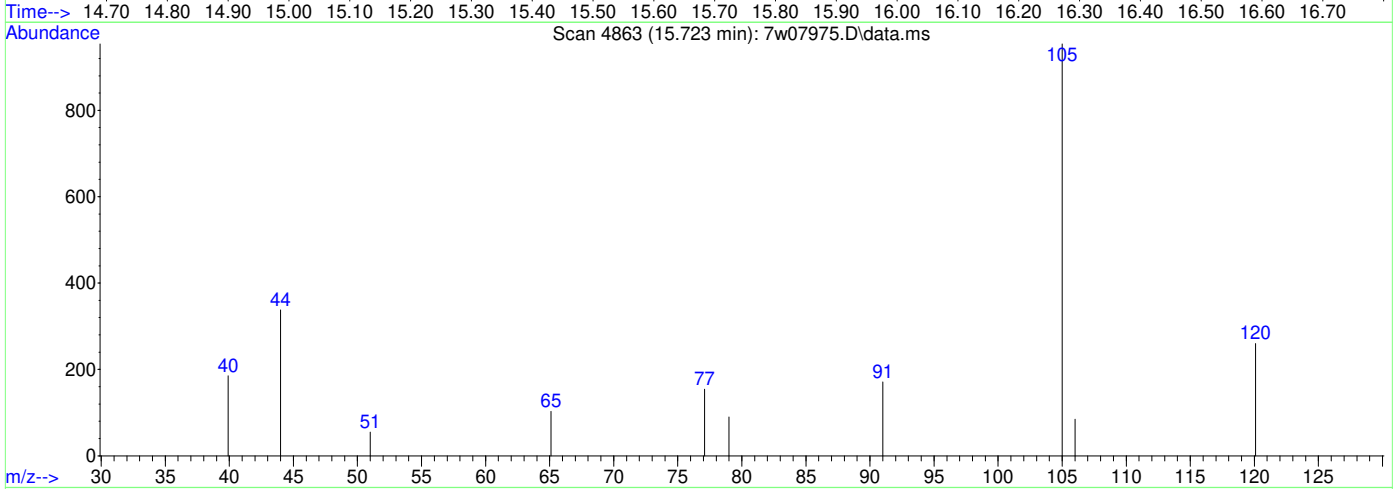
Ion	Exp%	Act%
105.10	100	100
120.10	29.90	59.66#
119.10	2.30	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 09:48:13 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration





TIC: 7w07975.D\data.ms

(92) 4-ETHYLTOLUENE (T)

15.723min (-0.016) 0.04PPBV m

response 2657

Ion	Exp%	Act%
105.10	100	100
120.10	29.90	26.72
119.10	2.30	0.00#
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 08/19/24 10:53

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07976.D
Acq On : 18 Aug 2024 10:13 pm
Operator : benk
Sample : ic305-0.10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 02:24:46 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:16 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.267	128	83993	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.547	114	426374	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.119	117	372534	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.267	128	83993	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.476	95	268355	9.65	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.618	119	1189	0.11	PPBV		97
3) FREON 152A	1.647	65	621	0.10	PPBV		99
4) CHLORODIFLUOROMETHANE	1.663	67	284	0.10	PPBV		86
5) CHLOROTRIFLUOROETHENE	1.672	116	1478	0.11	PPBV		82
6) DICHLORODIFLUOROMETHANE	1.688	85	3366	0.09	PPBV		97
7) PROPYLENE	1.672	41	1040	0.13	PPBV		91
8) 1-CHLORO-1,1-DIFLUOROE...	1.727	65	2851	0.09	PPBV	#	85
9) FREON 114	1.762	85	3135	0.10	PPBV		96
10) CHLOROMETHANE	1.737	52	472	0.09	PPBV		99
11) VINYL CHLORIDE	1.791	62	1305	0.09	PPBV	#	96
12) 1,3-BUTADIENE	1.833	54	1195	0.09	PPBV	#	79
13) N-BUTANE	1.849	43	2166	0.09	PPBV	#	55
14) BROMOMETHANE	1.907	94	1159	0.10	PPBV		99
15) CHLOROETHANE	1.958	64	645	0.08	PPBV	#	92
16) DICHLOROFLUOROMETHANE	1.984	67	2615	0.09	PPBV		90
17) ACETONITRILE	2.055	41	1535	0.10	PPBV	#	70
18) ACROLEIN	2.097	56	855	0.11	PPBV		79
19) FREON 123	2.106	83	2595	0.08	PPBV		91
20) FREON 123A	2.122	117	1623	0.09	PPBV		98
21) TRICHLOROFLUOROMETHANE	2.187	101	3104	0.09	PPBV		94
22) ISOPROPYL ALCOHOL	2.232	45	3464	0.09	PPBV	#	96
23) ACETONE	2.142	58	1367	0.13	PPBV		81
24) PENTANE	2.299	42	1690	0.09	PPBV		94
25) IODOMETHANE	2.367	142	2692	0.09	PPBV		99
26) 1,1-DICHLOROETHYLENE	2.389	96	1212	0.09	PPBV		98
27) CARBON DISULFIDE	2.524	76	3323	0.09	PPBV	#	2
28) ETHANOL	1.997	45	1564	0.18	PPBV	#	91
29) BROMOETHENE	2.061	106	1012	0.08	PPBV	#	91
30) ACRYLONITRILE	2.277	52	1142	0.09	PPBV		88
31) METHYLENE CHLORIDE	2.428	84	1614	0.13	PPBV		97
32) 3-CHLOROPROPENE	2.467	76	615	0.09	PPBV	#	34
33) FREON 113	2.524	151	1786	0.09	PPBV		95
34) TRANS-1,2-DICHLOROETHENE	2.753	96	1124	0.09	PPBV		97
35) TERTIARY BUTYL ALCOHOL	2.454	59	2814	0.09	PPBV	#	1
36) METHYL TERTIARY BUTYL ...	2.875	73	2894	0.10	PPBV	#	83
37) TETRAHYDROFURAN	3.589	72	550	0.11	PPBV		96
38) HEXANE	3.319	57	2328	0.10	PPBV		95
39) VINYL ACETATE	2.897	86	238	0.10	PPBV	#	28
40) 1,1-DICHLOROETHANE	2.827	63	2094	0.10	PPBV		97
41) METHYL ETHYL KETONE	3.013	72	631	0.12	PPBV		93
42) CIS-1,2-DICHLOROETHENE	3.190	96	1257	0.11	PPBV		95
43) DIISOPROPYL ETHER	3.338	59	665	0.11	PPBV		91
44) ETHYL ACETATE	3.348	61	500	0.11	PPBV		79
45) METHYL ACRYLATE	3.325	55	2546	0.09	PPBV		96
46) CHLOROFORM	3.338	83	2546	0.11	PPBV		96
47) 2,4-DIMETHYLPENTANE	3.830	57	2770	0.11	PPBV		97
48) 1,1,1-TRICHLOROETHANE	3.913	97	2268	0.11	PPBV		97
49) CARBON TETRACHLORIDE	4.338	117	2109	0.10	PPBV		95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07976.D
Acq On : 18 Aug 2024 10:13 pm
Operator : benk
Sample : ic305-0.10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 02:24:46 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:16 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	3.746	62	1979	0.11	PPBV		94
51)	BENZENE	4.225	78	4011	0.12	PPBV		97
53)	CYCLOHEXANE	4.434	84	1594	0.11	PPBV		93
54)	2,3-DIMETHYLPENTANE	4.675	71	764	0.10	PPBV		78
55)	TRICHLOROETHENE	5.122	95	1772	0.11	PPBV		93
56)	1,2-DICHLOROPROPANE	4.894	63	1565	0.11	PPBV		98
57)	DIBROMOMETHANE	4.849	174	1541	0.11	PPBV		98
58)	ETHYL ACRYLATE	5.029	55	3169	0.10	PPBV		98
59)	BROMODICHLOROMETHANE	5.068	83	2410	0.10	PPBV		89
60)	2,2,4-TRIMETHYLPENTANE	5.212	57	7392	0.10	PPBV		96
61)	1,4-DIOXANE	5.245	88	791	0.10	PPBV	#	31
62)	HEPTANE	5.534	43	2624	0.10	PPBV		98
63)	METHYL METHACRYLATE	5.441	69	1358	0.10	PPBV		99
64)	METHYL ISOBUTYL KETONE	6.209	58	1670	0.11	PPBV		85
65)	CIS-1,3-DICHLOROPROPENE	6.064	75	1749	0.09	PPBV		95
66)	TOLUENE	7.257	91	4699	0.11	PPBV		100
67)	1,3-DICHLOROPROPANE	7.322	76	2200	0.10	PPBV		94
68)	TRANS-1,3-DICHLOROPROPENE	6.736	75	1161	0.07	PPBV		92
69)	1,1,2-TRICHLOROETHANE	6.894	83	1330	0.11	PPBV		97
70)	2-HEXANONE	7.891	58	2802	0.12	PPBV		98
71)	ETHYL METHACRYLATE	7.990	69	2017	0.09	PPBV	#	29
72)	TETRACHLOROETHENE	8.987	164	1787	0.11	PPBV		96
73)	DIBROMOCHLOROMETHANE	7.791	129	2184	0.11	PPBV		96
74)	1,2-DIBROMOETHANE	8.148	107	2144	0.10	PPBV	#	93
75)	OCTANE	9.145	43	4023	0.11	PPBV		97
77)	1,1,1,2-TETRACHLOROETHANE	10.212	131	1614	0.10	PPBV		98
78)	CHLOROBENZENE	10.196	112	3946	0.12	PPBV		98
79)	ETHYLBENZENE	11.077	91	6395	0.11	PPBV		98
80)	M,P-XYLENE	11.502	91	9776m	0.24	PPBV		
81)	O-XYLENE	12.444	91	5001	0.12	PPBV		96
82)	STYRENE	12.231	104	3528	0.11	PPBV		97
83)	NONANE	13.569	43	4019	0.11	PPBV		98
84)	BROMOFORM	11.309	173	1656	0.09	PPBV	#	94
85)	1,1,2,2-TETRACHLOROETHANE	12.453	83	3311	0.11	PPBV	#	27
86)	1,2,3-TRICHLOROPROPANE	12.730	75	2751	0.12	PPBV	#	99
88)	ISOPROPYLBENZENE	13.964	120	1945	0.12	PPBV		89
89)	BROMOBENZENE	13.813	77	3458	0.11	PPBV		95
90)	2-CHLOROTOLUENE	14.948	126	1559	0.11	PPBV		93
91)	N-PROPYLBENZENE	15.292	120	1817	0.11	PPBV	#	78
92)	4-ETHYLTOLUENE	15.743	105	6120	0.10	PPBV	#	75
93)	1,3,5-TRIMETHYLBENZENE	16.000	105	5446	0.10	PPBV		97
94)	ALPHA-METHYLSTYRENE	16.267	118	2523	0.09	PPBV		98
95)	TERT-BUTYLBENZENE	16.572	134	1313	0.10	PPBV		98
96)	1,2,4-TRIMETHYLBENZENE	16.578	105	5507	0.09	PPBV		97
97)	BENZYL CHLORIDE	16.669	91	1270	0.05	PPBV		98
98)	M-DICHLOROBENZENE	16.636	146	3586	0.10	PPBV		93
99)	P-DICHLOROBENZENE	16.733	146	3820	0.10	PPBV		100
100)	O-DICHLOROBENZENE	17.041	146	3498	0.10	PPBV		98
101)	SEC-BUTYLBENZENE	16.878	134	1720	0.10	PPBV		90
102)	1,2,3-TRIMETHYLBENZENE	16.990	105	5572	0.10	PPBV		97
103)	P-ISOPROPYLTOLUENE	17.061	134	1842	0.10	PPBV		91
104)	N-BUTYLBENZENE	17.427	134	1626	0.09	PPBV		90
105)	HEXACHLOROETHANE	17.604	117	1235	0.07	PPBV		96
106)	HEXACHLOROBUTADIENE	18.656	225	2528	0.10	PPBV		98
107)	1,2,4-TRICHLOROBENZENE	18.350	180	3381	0.14	PPBV		97
108)	NAPHTHALENE	18.395	128	9159	0.16	PPBV		98
110)	TVHC as equiv Pentane	2.303	TIC	8184	0.10	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07976.D
Acq On : 18 Aug 2024 10:13 pm
Operator : benk
Sample : ic305-0.10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 02:24:46 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:16 2024
Response via : Initial Calibration

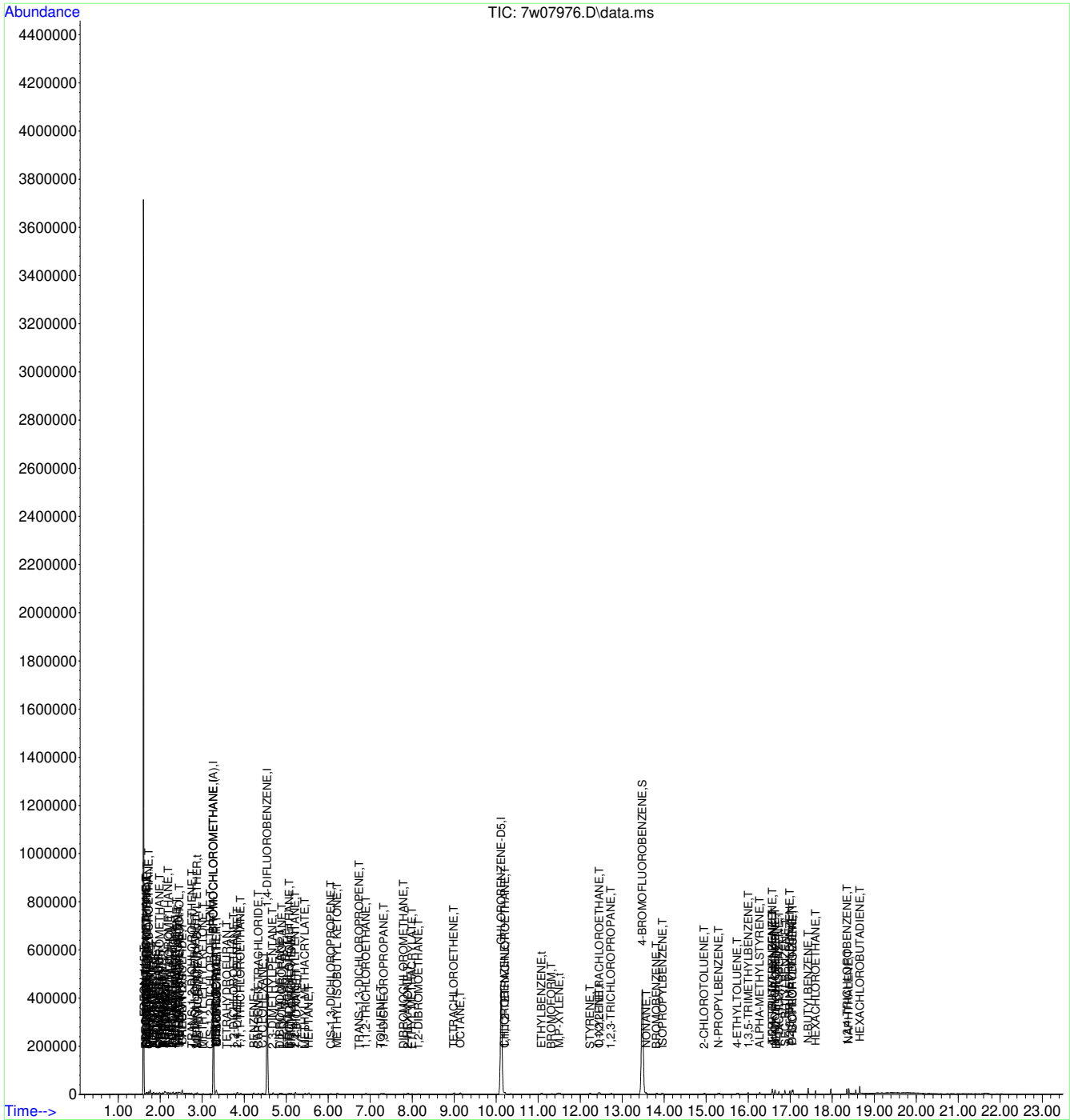
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07976.D
Acq On : 18 Aug 2024 10:13 pm
Operator : benk
Sample : ic305-0.10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 02:24:46 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:16 2024
Response via : Initial Calibration



Manual Integration Approval Summary

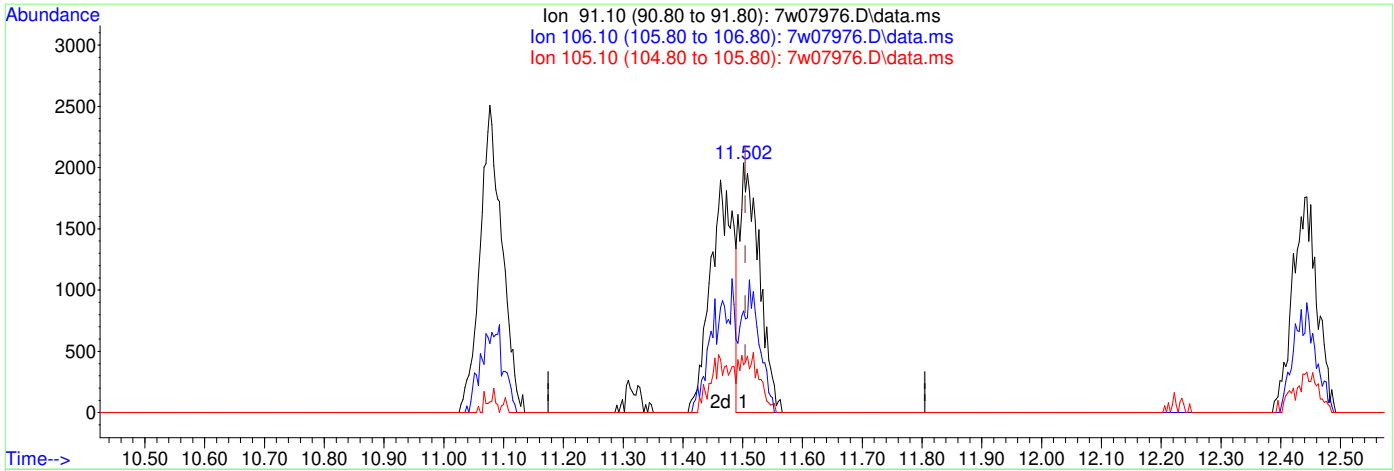
Sample Number:	V7W305-IC305	**Method:**	TO-15
Lab FileID:	7W07976.D	**Analyst approved:**	08/19/24 09:06 Benjamin Kim
Injection Time:	08/18/24 22:13	**Supervisor approved:**	08/19/24 10:53 Kanya Veerawat

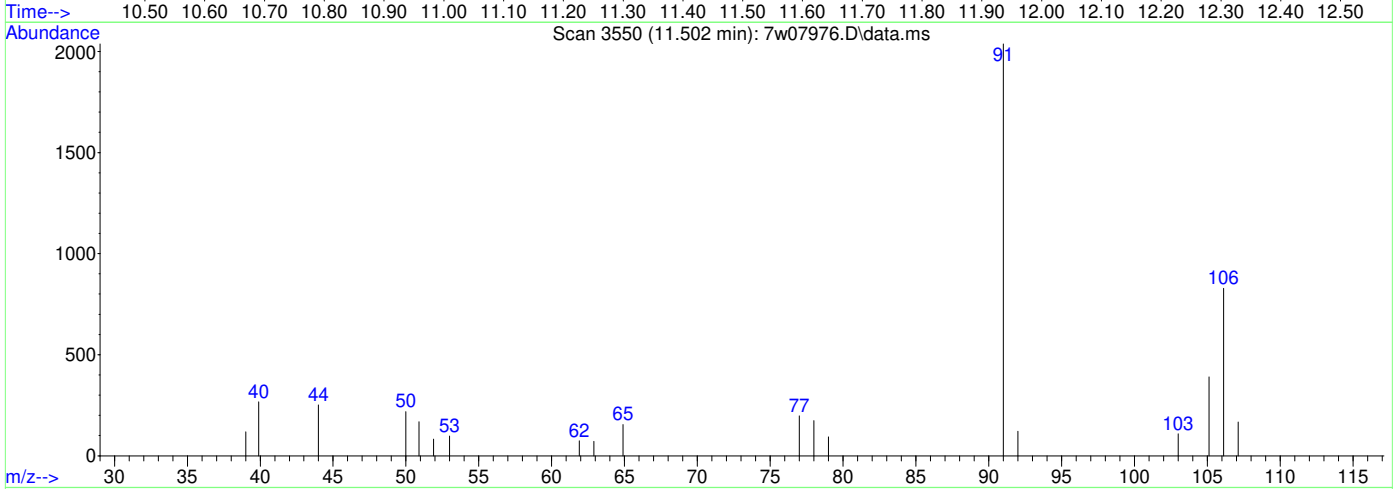
Parameter	CAS	Sig#	R.T. (min.)	Reason
m,p-Xylene			11.50	Split peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07976.D
Acq On : 18 Aug 2024 10:13 pm
Operator : benk
Sample : ic305-0.10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 00:49:26 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:16 2024
Response via : Initial Calibration





TIC: 7w07976.D\data.ms

(80) M,P-XYLENE (t)

11.502min (-0.003) 0.11PPBV

response 4741

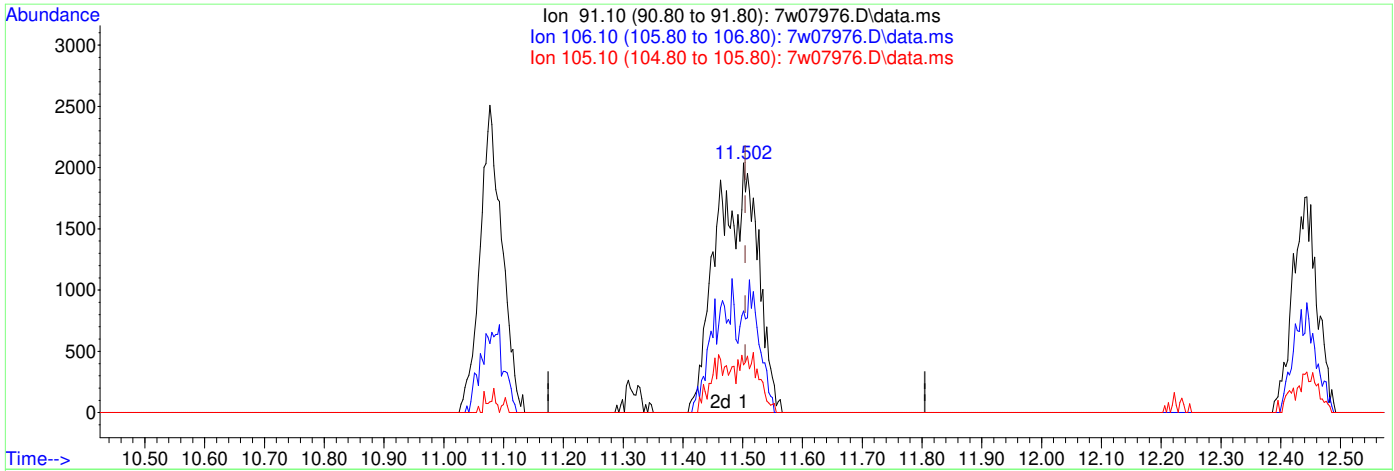
Ion	Exp%	Act%
91.10	100	100
106.10	24.00	41.55
105.10	11.30	23.24
0.00	0.00	0.00

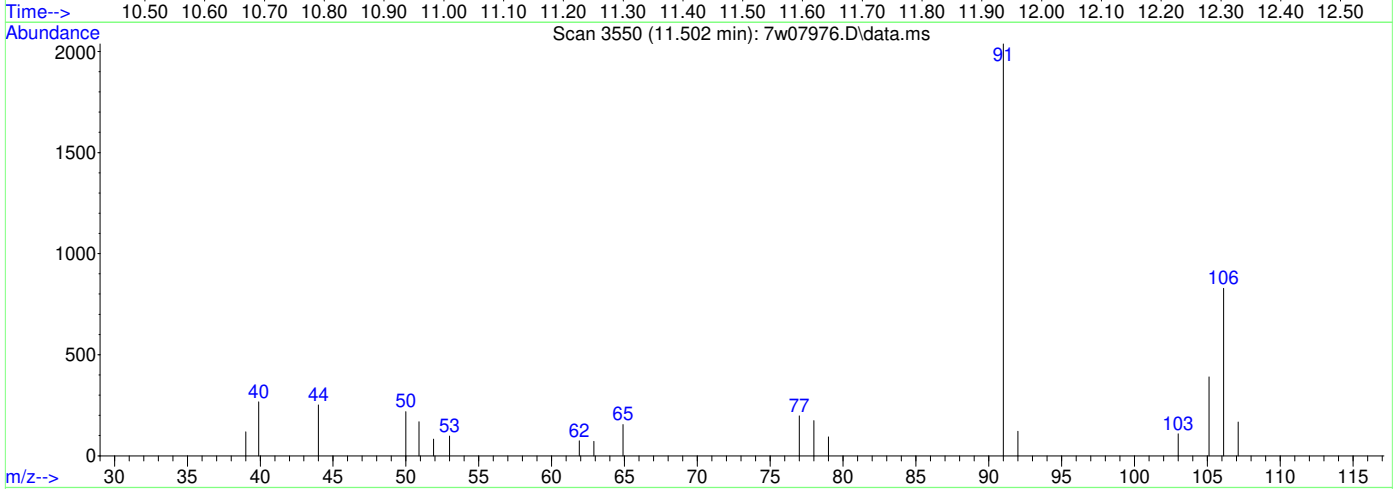
7W07976.D edits: M,P-XYLENE

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07976.D
Acq On : 18 Aug 2024 10:13 pm
Operator : benk
Sample : ic305-0.10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 00:49:26 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:16 2024
Response via : Initial Calibration





TIC: 7w07976.D\data.ms

(80) M,P-XYLENE (t)

11.502min (-0.003) 0.24PPBV m

response 9776

Ion	Exp%	Act%
91.10	100	100
106.10	24.00	20.15
105.10	11.30	11.27
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 08/19/24 10:53

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07977.D
Acq On : 18 Aug 2024 10:49 pm
Operator : benk
Sample : ic305-0.20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 02:24:09 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:32 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.267	128	81591	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.547	114	417480	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.122	117	367012	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.267	128	81591	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.479	95	264802	9.63	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.618	119	2326	0.21	PPBV		94
3) FREON 152A	1.647	65	1163	0.19	PPBV		92
4) CHLORODIFLUOROMETHANE	1.656	67	602	0.23	PPBV		87
5) CHLOROTRIFLUOROETHENE	1.673	116	2630	0.21	PPBV		99
6) DICHLORODIFLUOROMETHANE	1.685	85	6840	0.19	PPBV		98
7) PROPYLENE	1.669	41	1717	0.21	PPBV		94
8) 1-CHLORO-1,1-DIFLUOROE...	1.724	65	5757	0.18	PPBV		91
9) FREON 114	1.759	85	5769	0.18	PPBV		98
10) CHLOROMETHANE	1.727	52	850	0.17	PPBV		99
11) VINYL CHLORIDE	1.791	62	2663	0.18	PPBV		96
12) 1,3-BUTADIENE	1.830	54	2375	0.19	PPBV		94
13) N-BUTANE	1.846	43	4070	0.17	PPBV	#	79
14) BROMOMETHANE	1.907	94	2219	0.19	PPBV		98
15) CHLOROETHANE	1.955	64	1401	0.17	PPBV		92
16) DICHLOROFLUOROMETHANE	1.981	67	5439	0.19	PPBV		99
17) ACETONITRILE	2.055	41	3149	0.21	PPBV		93
18) ACROLEIN	2.094	56	1372	0.19	PPBV		89
19) FREON 123	2.103	83	5470	0.17	PPBV		98
20) FREON 123A	2.123	117	3145	0.18	PPBV		96
21) TRICHLOROFLUOROMETHANE	2.187	101	5923	0.18	PPBV		97
22) ISOPROPYL ALCOHOL	2.226	45	6150	0.16	PPBV		100
23) ACETONE	2.139	58	2159	0.22	PPBV		100
24) PENTANE	2.299	42	3022	0.16	PPBV		96
25) IODOMETHANE	2.361	142	5432	0.18	PPBV		98
26) 1,1-DICHLOROETHYLENE	2.390	96	2330	0.18	PPBV		98
27) CARBON DISULFIDE	2.525	76	6551	0.18	PPBV	#	31
28) ETHANOL	2.000	45	2022	0.24	PPBV		87
29) BROMOETHENE	2.058	106	2034	0.17	PPBV	#	96
30) ACRYLONITRILE	2.277	52	2439	0.18	PPBV		94
31) METHYLENE CHLORIDE	2.425	84	2696	0.22	PPBV		94
32) 3-CHLOROPROPENE	2.470	76	1256	0.18	PPBV	#	56
33) FREON 113	2.521	151	3632	0.19	PPBV		98
34) TRANS-1,2-DICHLOROETHENE	2.750	96	2164	0.18	PPBV		93
35) TERTIARY BUTYL ALCOHOL	2.451	59	5152	0.16	PPBV	#	60
36) METHYL TERTIARY BUTYL ...	2.872	73	5623	0.21	PPBV	#	94
37) TETRAHYDROFURAN	3.582	72	1097	0.23	PPBV		95
38) HEXANE	3.322	57	4465	0.20	PPBV		96
39) VINYL ACETATE	2.907	86	442	0.19	PPBV	#	41
40) 1,1-DICHLOROETHANE	2.827	63	4233	0.21	PPBV		100
41) METHYL ETHYL KETONE	3.013	72	1161	0.22	PPBV		89
42) CIS-1,2-DICHLOROETHENE	3.190	96	2366	0.22	PPBV		97
43) DIISOPROPYL ETHER	3.338	59	1113	0.18	PPBV		76
44) ETHYL ACETATE	3.344	61	910	0.22	PPBV	#	94
45) METHYL ACRYLATE	3.325	55	4855	0.19	PPBV	#	25
46) CHLOROFORM	3.338	83	4898	0.22	PPBV		96
47) 2,4-DIMETHYLPENTANE	3.836	57	4922	0.20	PPBV		96
48) 1,1,1-TRICHLOROETHANE	3.910	97	4147	0.20	PPBV		98
49) CARBON TETRACHLORIDE	4.338	117	4013	0.20	PPBV		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07977.D
Acq On : 18 Aug 2024 10:49 pm
Operator : benk
Sample : ic305-0.20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 02:24:09 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:32 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50) 1,2-DICHLOROETHANE	3.746	62	3831	0.22	PPBV		98
51) BENZENE	4.222	78	7289	0.22	PPBV		98
53) CYCLOHEXANE	4.434	84	3089	0.22	PPBV		95
54) 2,3-DIMETHYLPENTANE	4.682	71	1631	0.22	PPBV		93
55) TRICHLOROETHENE	5.119	95	3128	0.21	PPBV		95
56) 1,2-DICHLOROPROPANE	4.888	63	2838	0.20	PPBV		95
57) DIBROMOMETHANE	4.846	174	2782	0.20	PPBV		95
58) ETHYL ACRYLATE	5.020	55	6089	0.20	PPBV		99
59) BROMODICHLOROMETHANE	5.065	83	4748	0.20	PPBV		95
60) 2,2,4-TRIMETHYLPENTANE	5.216	57	14752	0.21	PPBV		98
61) 1,4-DIOXANE	5.222	88	2233	0.23	PPBV	#	1
62) HEPTANE	5.534	43	5290	0.21	PPBV		97
63) METHYL METHACRYLATE	5.441	69	2733	0.22	PPBV		98
64) METHYL ISOBUTYL KETONE	6.216	58	3415	0.22	PPBV		98
65) CIS-1,3-DICHLOROPROPENE	6.061	75	3343	0.18	PPBV		95
66) TOLUENE	7.264	91	9195	0.22	PPBV		100
67) 1,3-DICHLOROPROPANE	7.319	76	4502	0.22	PPBV		98
68) TRANS-1,3-DICHLOROPROPENE	6.737	75	2208	0.14	PPBV		90
69) 1,1,2-TRICHLOROETHANE	6.891	83	2480	0.21	PPBV		97
70) 2-HEXANONE	7.888	58	5066	0.18	PPBV		93
71) ETHYL METHACRYLATE	7.984	69	4055	0.20	PPBV		98
72) TETRACHLOROETHENE	8.991	164	3549	0.22	PPBV		96
73) DIBROMOCHLOROMETHANE	7.794	129	4142	0.21	PPBV		100
74) 1,2-DIBROMOETHANE	8.135	107	4391	0.22	PPBV	#	98
75) OCTANE	9.135	43	7595	0.22	PPBV		97
77) 1,1,1,2-TETRACHLOROETHANE	10.209	131	2986	0.19	PPBV		98
78) CHLOROBENZENE	10.199	112	7462	0.23	PPBV		97
79) ETHYLBENZENE	11.077	91	12480	0.20	PPBV		96
80) M,P-XYLENE	11.498	91	18766m	0.43	PPBV		
81) O-XYLENE	12.447	91	9653	0.23	PPBV		87
82) STYRENE	12.235	104	6881	0.23	PPBV		100
83) NONANE	13.563	43	7639	0.22	PPBV		96
84) BROMOFORM	11.322	173	3470	0.19	PPBV		99
85) 1,1,2,2-TETRACHLOROETHANE	12.453	83	6952	0.23	PPBV		97
86) 1,2,3-TRICHLOROPROPANE	12.740	75	5179	0.22	PPBV	#	99
88) ISOPROPYLBENZENE	13.958	120	3629	0.22	PPBV		97
89) BROMOBENZENE	13.820	77	6828	0.23	PPBV		97
90) 2-CHLOROTOLUENE	14.955	126	3019	0.20	PPBV		99
91) N-PROPYLBENZENE	15.305	120	3589	0.22	PPBV		95
92) 4-ETHYLTOLUENE	15.746	105	13103	0.20	PPBV	#	100
93) 1,3,5-TRIMETHYLBENZENE	15.993	105	10844	0.20	PPBV		98
94) ALPHA-METHYLSTYRENE	16.267	118	5388	0.20	PPBV		97
95) TERT-BUTYLBENZENE	16.569	134	2559	0.18	PPBV		99
96) 1,2,4-TRIMETHYLBENZENE	16.575	105	11120	0.19	PPBV		98
97) BENZYL CHLORIDE	16.665	91	2497	0.10	PPBV		96
98) M-DICHLOROBENZENE	16.640	146	7185	0.20	PPBV		99
99) P-DICHLOROBENZENE	16.730	146	7542	0.20	PPBV		98
100) O-DICHLOROBENZENE	17.042	146	7199	0.20	PPBV		100
101) SEC-BUTYLBENZENE	16.874	134	3121	0.19	PPBV		94
102) 1,2,3-TRIMETHYLBENZENE	16.990	105	11396	0.20	PPBV	#	96
103) P-ISOPROPYLTOLUENE	17.067	134	3732	0.21	PPBV		91
104) N-BUTYLBENZENE	17.427	134	3509	0.21	PPBV		98
105) HEXACHLOROETHANE	17.601	117	2451	0.14	PPBV		97
106) HEXACHLOROBUTADIENE	18.656	225	4955	0.20	PPBV		99
107) 1,2,4-TRICHLOROBENZENE	18.347	180	6745	0.33	PPBV		98
108) NAPHTHALENE	18.395	128	18097	0.38	PPBV		99
110) TVHC as equiv Pentane	2.303	TIC	17481	0.21	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07977.D
Acq On : 18 Aug 2024 10:49 pm
Operator : benk
Sample : ic305-0.20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 02:24:09 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:32 2024
Response via : Initial Calibration

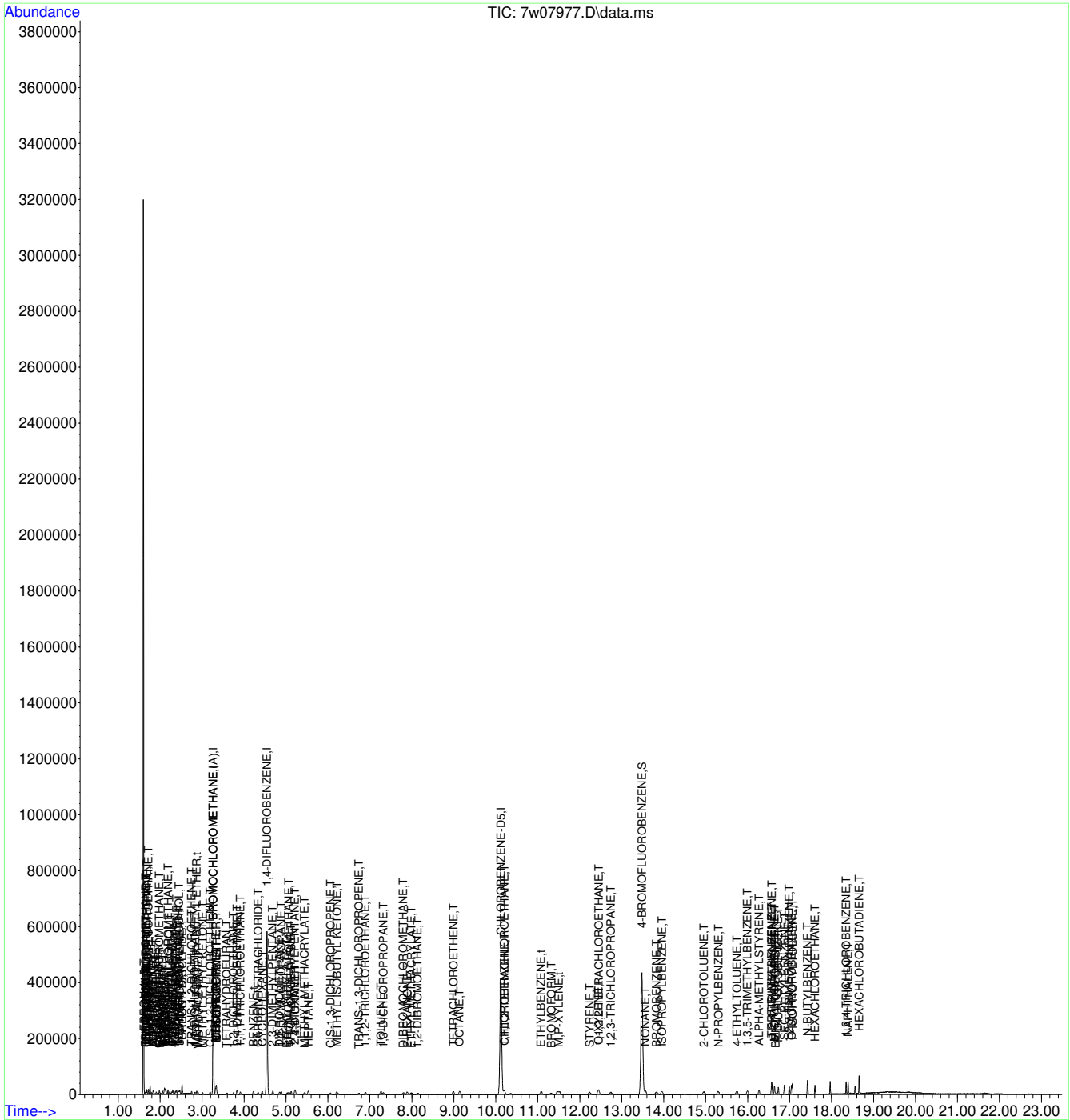
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07977.D
Acq On : 18 Aug 2024 10:49 pm
Operator : benk
Sample : ic305-0.20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 02:24:09 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:32 2024
Response via : Initial Calibration



Manual Integration Approval Summary

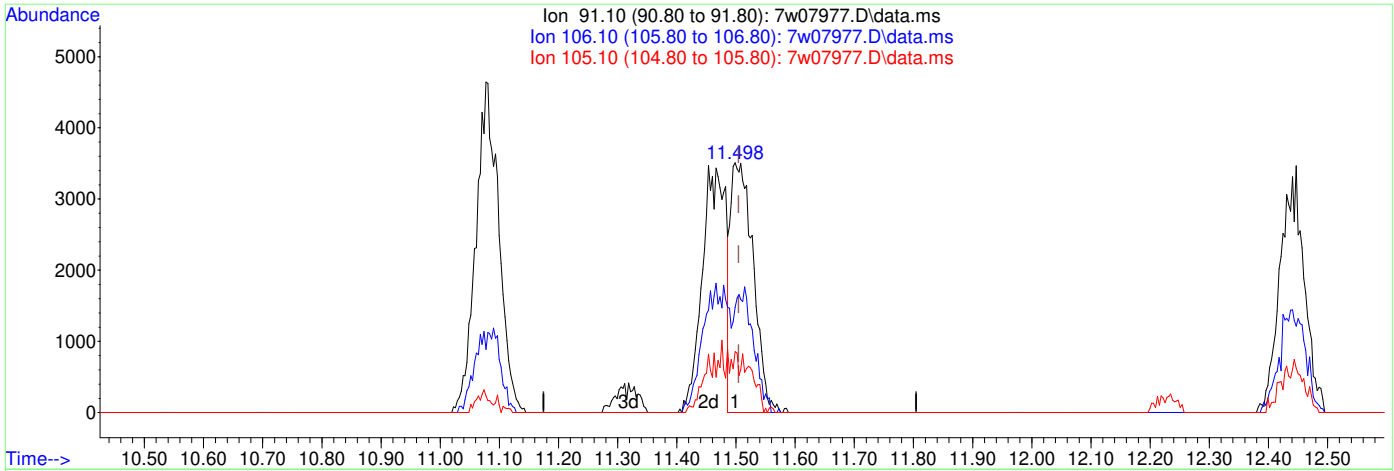
Sample Number:	V7W305-IC305	**Method:**	TO-15
Lab FileID:	7W07977.D	**Analyst approved:**	08/19/24 09:06 Benjamin Kim
Injection Time:	08/18/24 22:49	**Supervisor approved:**	08/19/24 10:53 Kanya Veerawat

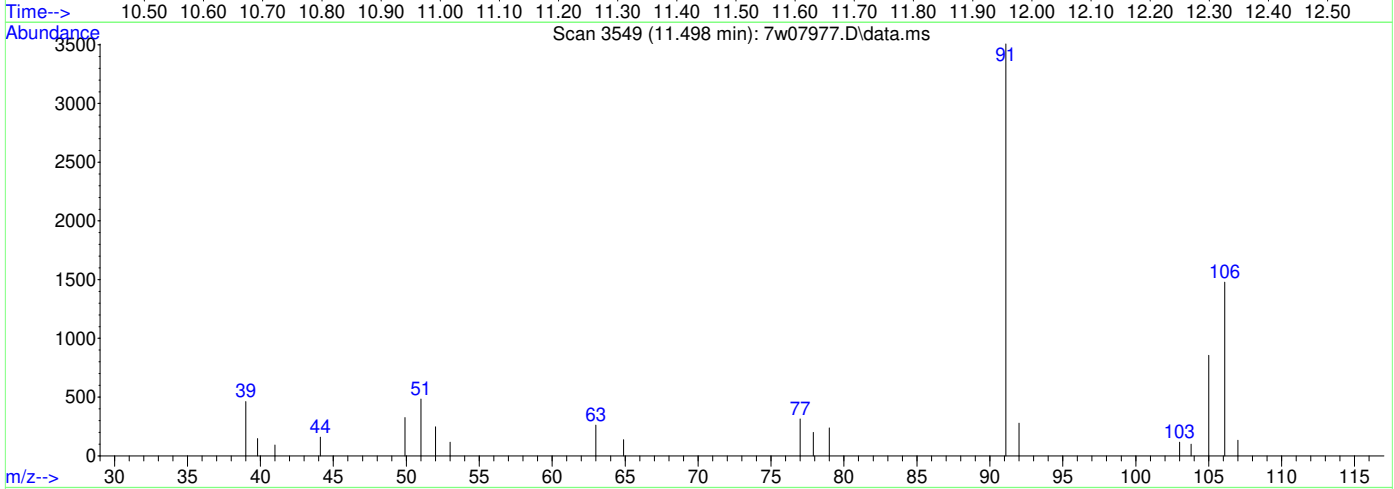
Parameter	CAS	Sig#	R.T. (min.)	Reason
m,p-Xylene			11.50	Split peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07977.D
Acq On : 18 Aug 2024 10:49 pm
Operator : benk
Sample : ic305-0.20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 00:48:57 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:32 2024
Response via : Initial Calibration





TIC: 7w07977.D\data.ms

(80) M,P-XYLENE (t)

11.498min (-0.006) 0.22PPBV

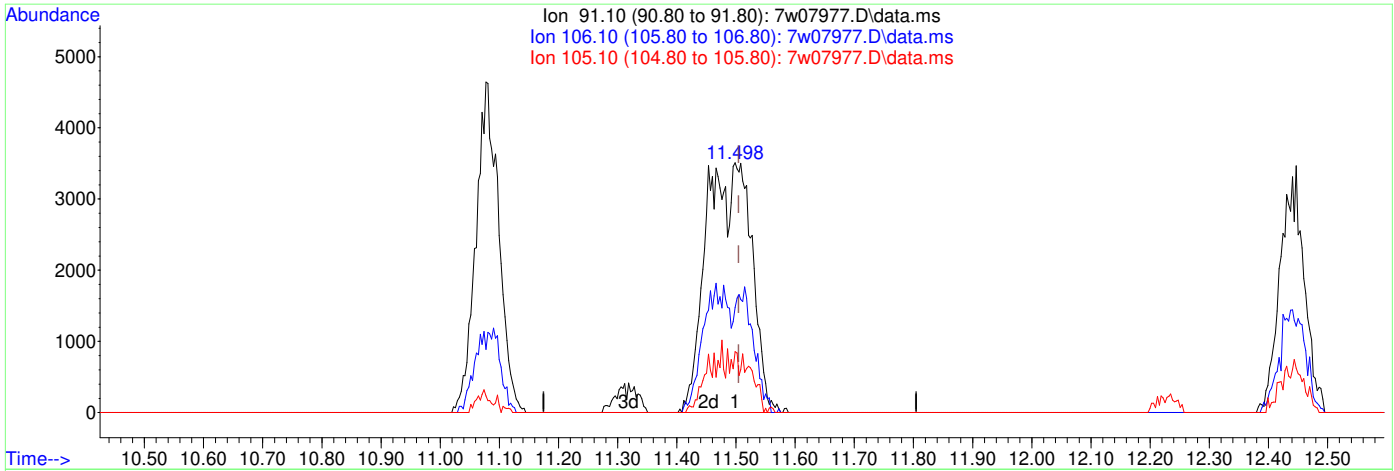
response 9375

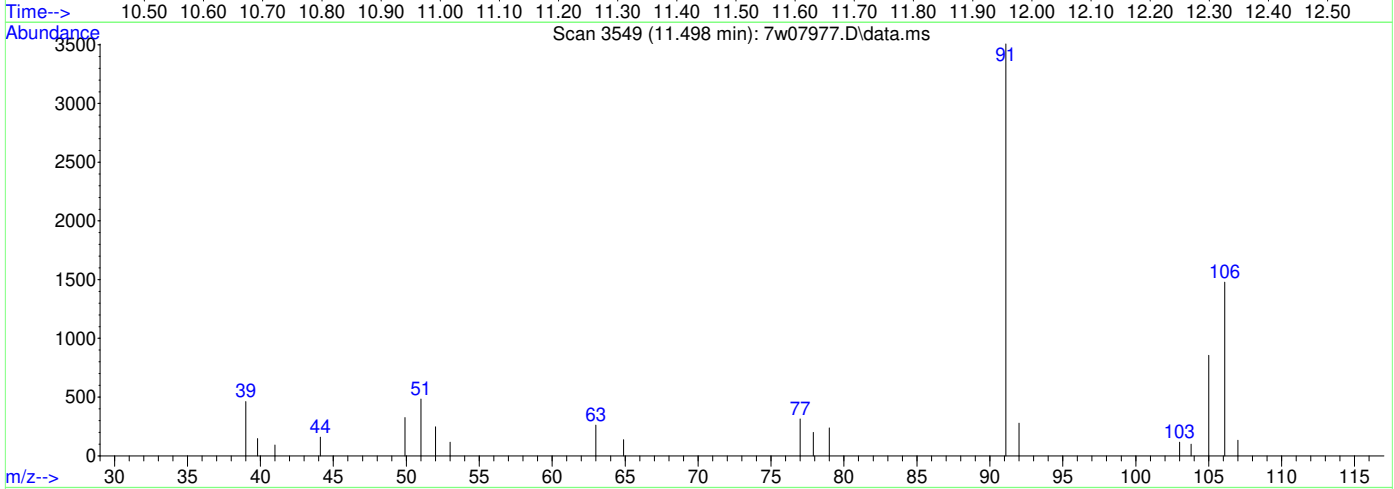
Ion	Exp%	Act%
91.10	100	100
106.10	24.00	41.98
105.10	11.30	13.41
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07977.D
Acq On : 18 Aug 2024 10:49 pm
Operator : benk
Sample : ic305-0.20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 00:48:57 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:32 2024
Response via : Initial Calibration





TIC: 7w07977.D\data.ms

(80) M,P-XYLENE (t)

11.498min (-0.006) 0.43PPBV m

response 18766

Ion	Exp%	Act%
91.10	100	100
106.10	24.00	20.97
105.10	11.30	6.70
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 08/19/24 10:53

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07978.D
Acq On : 18 Aug 2024 11:22 pm
Operator : benk
Sample : ic305-0.50
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 09:50:56 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:01 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.267	128	79966	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.547	114	410941	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.119	117	362110	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.267	128	79966	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.482	95	262037	9.71	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.615	119	5861	0.54	PPBV		96
3) FREON 152A	1.644	65	3003	0.50	PPBV		95
4) CHLORODIFLUOROMETHANE	1.656	67	1485	0.58	PPBV		100
5) CHLOROTRIFLUOROETHENE	1.669	116	6805	0.55	PPBV		92
6) DICHLORODIFLUOROMETHANE	1.685	85	16795	0.46	PPBV		99
7) PROPYLENE	1.666	41	3977	0.50	PPBV		97
8) 1-CHLORO-1,1-DIFLUOROE...	1.724	65	14549	0.46	PPBV		96
9) FREON 114	1.759	85	15134	0.48	PPBV		99
10) CHLOROMETHANE	1.730	52	2035	0.41	PPBV		95
11) VINYL CHLORIDE	1.792	62	6673	0.44	PPBV		99
12) 1,3-BUTADIENE	1.830	54	5500	0.43	PPBV		95
13) N-BUTANE	1.846	43	10568	0.42	PPBV	#	90
14) BROMOMETHANE	1.907	94	5484	0.48	PPBV		99
15) CHLOROETHANE	1.956	64	3547	0.44	PPBV		94
16) DICHLOROFLUOROMETHANE	1.981	67	13608	0.47	PPBV		99
17) ACETONITRILE	2.052	41	6551	0.44	PPBV		92
18) ACROLEIN	2.094	56	3046	0.40	PPBV		95
19) FREON 123	2.103	83	13299	0.42	PPBV		99
20) FREON 123A	2.119	117	8058	0.46	PPBV		98
21) TRICHLOROFLUOROMETHANE	2.184	101	15424	0.46	PPBV		99
22) ISOPROPYL ALCOHOL	2.226	45	14044	0.37	PPBV		99
23) ACETONE	2.139	58	4080	0.40	PPBV		97
24) PENTANE	2.303	42	7472	0.39	PPBV		98
25) IODOMETHANE	2.361	142	13827	0.46	PPBV		99
26) 1,1-DICHLOROETHYLENE	2.390	96	5730	0.43	PPBV		97
27) CARBON DISULFIDE	2.525	76	16067	0.43	PPBV	#	66
28) ETHANOL	1.994	45	4627	0.45	PPBV	#	97
29) BROMOETHENE	2.058	106	5247	0.44	PPBV		96
30) ACRYLONITRILE	2.274	52	5669	0.41	PPBV		94
31) METHYLENE CHLORIDE	2.425	84	5894	0.48	PPBV		95
32) 3-CHLOROPROPENE	2.470	76	2755	0.38	PPBV	#	37
33) FREON 113	2.521	151	8992	0.46	PPBV		99
34) TRANS-1,2-DICHLOROETHENE	2.753	96	5687	0.48	PPBV		99
35) TERTIARY BUTYL ALCOHOL	2.444	59	13081	0.39	PPBV	#	64
36) METHYL TERTIARY BUTYL ...	2.872	73	13772	0.51	PPBV		95
37) TETRAHYDROFURAN	3.576	72	2595	0.57	PPBV		96
38) HEXANE	3.319	57	10976	0.50	PPBV		98
39) VINYL ACETATE	2.898	86	1009	0.43	PPBV	#	29
40) 1,1-DICHLOROETHANE	2.827	63	10432	0.51	PPBV		100
41) METHYL ETHYL KETONE	3.010	72	2909	0.56	PPBV		96
42) CIS-1,2-DICHLOROETHENE	3.190	96	6101	0.59	PPBV		93
43) DIISOPROPYL ETHER	3.338	59	3049	0.51	PPBV		98
44) ETHYL ACETATE	3.341	61	2059	0.51	PPBV		90
45) METHYL ACRYLATE	3.322	55	12344	0.48	PPBV		97
46) CHLOROFORM	3.341	83	12161	0.57	PPBV		97
47) 2,4-DIMETHYLPENTANE	3.833	57	12901	0.55	PPBV		99
48) 1,1,1-TRICHLOROETHANE	3.910	97	10591	0.52	PPBV		98
49) CARBON TETRACHLORIDE	4.335	117	10121	0.53	PPBV		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07978.D
Acq On : 18 Aug 2024 11:22 pm
Operator : benk
Sample : ic305-0.50
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 09:50:56 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:01 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	3.746	62	9567	0.57	PPBV		98
51)	BENZENE	4.219	78	17995	0.55	PPBV		99
53)	CYCLOHEXANE	4.431	84	7811	0.56	PPBV		99
54)	2,3-DIMETHYLPENTANE	4.685	71	4068	0.57	PPBV		100
55)	TRICHLOROETHENE	5.119	95	8046	0.54	PPBV		98
56)	1,2-DICHLOROPROPANE	4.888	63	7243	0.52	PPBV		98
57)	DIBROMOMETHANE	4.849	174	6875	0.51	PPBV		98
58)	ETHYL ACRYLATE	5.023	55	14562	0.49	PPBV		99
59)	BROMODICHLOROMETHANE	5.068	83	11794	0.51	PPBV		91
60)	2,2,4-TRIMETHYLPENTANE	5.213	57	35817	0.52	PPBV		99
61)	1,4-DIOXANE	5.209	88	5137	0.55	PPBV	#	6
62)	HEPTANE	5.534	43	12581	0.52	PPBV		99
63)	METHYL METHACRYLATE	5.441	69	6275	0.51	PPBV		98
64)	METHYL ISOBUTYL KETONE	6.196	58	7744	0.52	PPBV		98
65)	CIS-1,3-DICHLOROPROPENE	6.058	75	8234	0.44	PPBV		96
66)	TOLUENE	7.261	91	22485	0.55	PPBV		100
67)	1,3-DICHLOROPROPANE	7.322	76	11161	0.55	PPBV		99
68)	TRANS-1,3-DICHLOROPROPENE	6.743	75	5585	0.36	PPBV		94
69)	1,1,2-TRICHLOROETHANE	6.894	83	6324	0.55	PPBV		99
70)	2-HEXANONE	7.878	58	12049	0.43	PPBV		98
71)	ETHYL METHACRYLATE	7.981	69	9663	0.47	PPBV		95
72)	TETRACHLOROETHENE	8.997	164	7989	0.51	PPBV		98
73)	DIBROMOCHLOROMETHANE	7.795	129	10588	0.54	PPBV		98
74)	1,2-DIBROMOETHANE	8.132	107	10784	0.55	PPBV	#	100
75)	OCTANE	9.139	43	17732	0.53	PPBV		99
77)	1,1,1,2-TETRACHLOROETHANE	10.203	131	7115	0.46	PPBV		99
78)	CHLOROBENZENE	10.200	112	18568	0.58	PPBV		97
79)	ETHYLBENZENE	11.081	91	30468	0.51	PPBV		99
80)	M,P-XYLENE	11.508	91	46842m	1.05	PPBV		
81)	O-XYLENE	12.444	91	23828	0.59	PPBV		94
82)	STYRENE	12.225	104	17160	0.60	PPBV		99
83)	NONANE	13.560	43	19013	0.55	PPBV		98
84)	BROMOFORM	11.315	173	9340	0.52	PPBV		97
85)	1,1,2,2-TETRACHLOROETHANE	12.450	83	16754	0.57	PPBV		98
86)	1,2,3-TRICHLOROPROPANE	12.736	75	13531	0.60	PPBV	#	99
88)	ISOPROPYLBENZENE	13.945	120	8698	0.54	PPBV		96
89)	BROMOBENZENE	13.820	77	17048	0.58	PPBV		97
90)	2-CHLOROTOLUENE	14.955	126	8051	0.55	PPBV		99
91)	N-PROPYLBENZENE	15.302	120	9156	0.58	PPBV		100
92)	4-ETHYLTOLUENE	15.746	105	32633	0.53	PPBV	#	97
93)	1,3,5-TRIMETHYLBENZENE	15.994	105	27233	0.51	PPBV		99
94)	ALPHA-METHYLSTYRENE	16.267	118	13680	0.52	PPBV		96
95)	TERT-BUTYLBENZENE	16.569	134	6648	0.48	PPBV		97
96)	1,2,4-TRIMETHYLBENZENE	16.579	105	28271	0.50	PPBV		98
97)	BENZYL CHLORIDE	16.666	91	6446	0.26	PPBV		97
98)	M-DICHLOROBENZENE	16.640	146	18160	0.52	PPBV		99
99)	P-DICHLOROBENZENE	16.730	146	18687	0.53	PPBV		99
100)	O-DICHLOROBENZENE	17.042	146	17767	0.53	PPBV		99
101)	SEC-BUTYLBENZENE	16.875	134	8265	0.51	PPBV		95
102)	1,2,3-TRIMETHYLBENZENE	16.990	105	27828	0.52	PPBV		100
103)	P-ISOPROPYLTOLUENE	17.064	134	8738	0.50	PPBV		97
104)	N-BUTYLBENZENE	17.424	134	8723	0.53	PPBV		100
105)	HEXACHLOROETHANE	17.604	117	6412	0.37	PPBV		99
106)	HEXACHLOROBUTADIENE	18.659	225	12496	0.54	PPBV		99
107)	1,2,4-TRICHLOROBENZENE	18.350	180	16068	0.91	PPBV		98
108)	NAPHTHALENE	18.395	128	47796	1.26	PPBV		100
110)	TVHC as equiv Pentane	2.303	TIC	40854	0.48	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07978.D
Acq On : 18 Aug 2024 11:22 pm
Operator : benk
Sample : ic305-0.50
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 09:50:56 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:01 2024
Response via : Initial Calibration

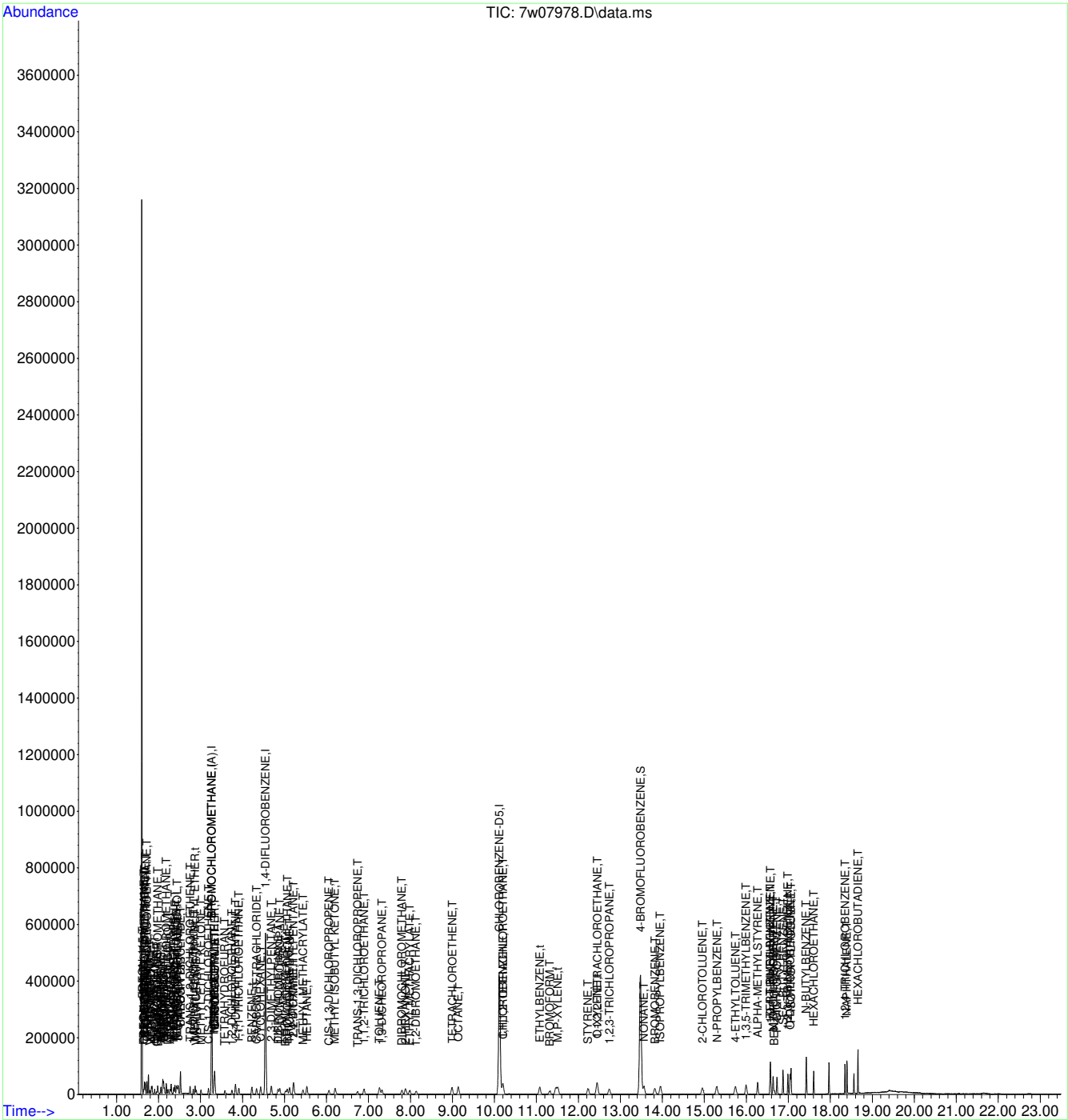
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07978.D
Acq On : 18 Aug 2024 11:22 pm
Operator : benk
Sample : ic305-0.50
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 09:50:56 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:01 2024
Response via : Initial Calibration



Manual Integration Approval Summary

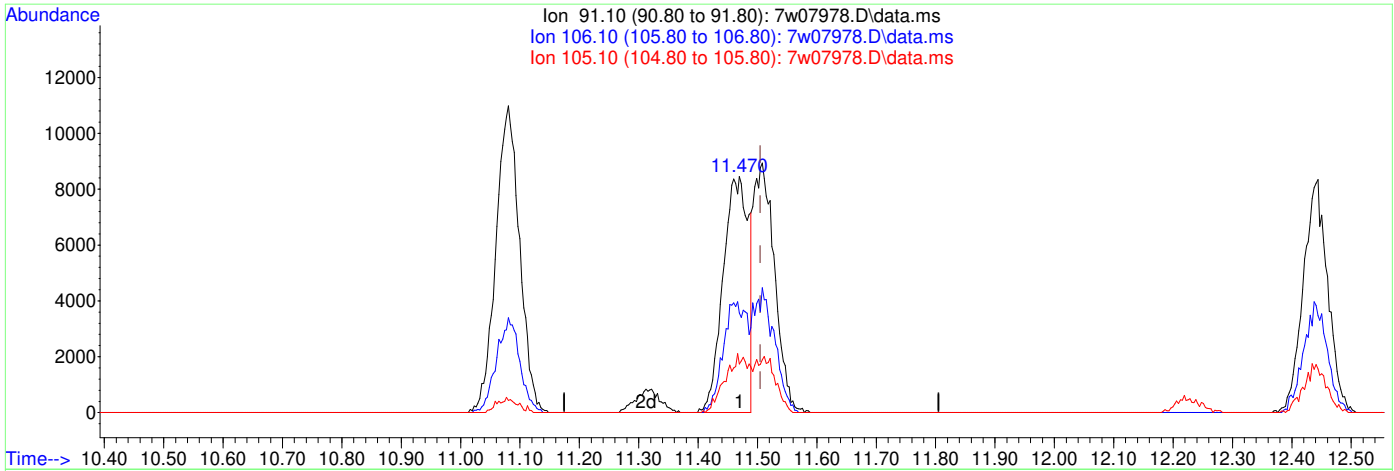
Sample Number:	V7W305-IC305	**Method:**	TO-15
Lab FileID:	7W07978.D	**Analyst approved:**	08/19/24 10:01 Benjamin Kim
Injection Time:	08/18/24 23:22	**Supervisor approved:**	08/19/24 10:53 Kanya Veerawat

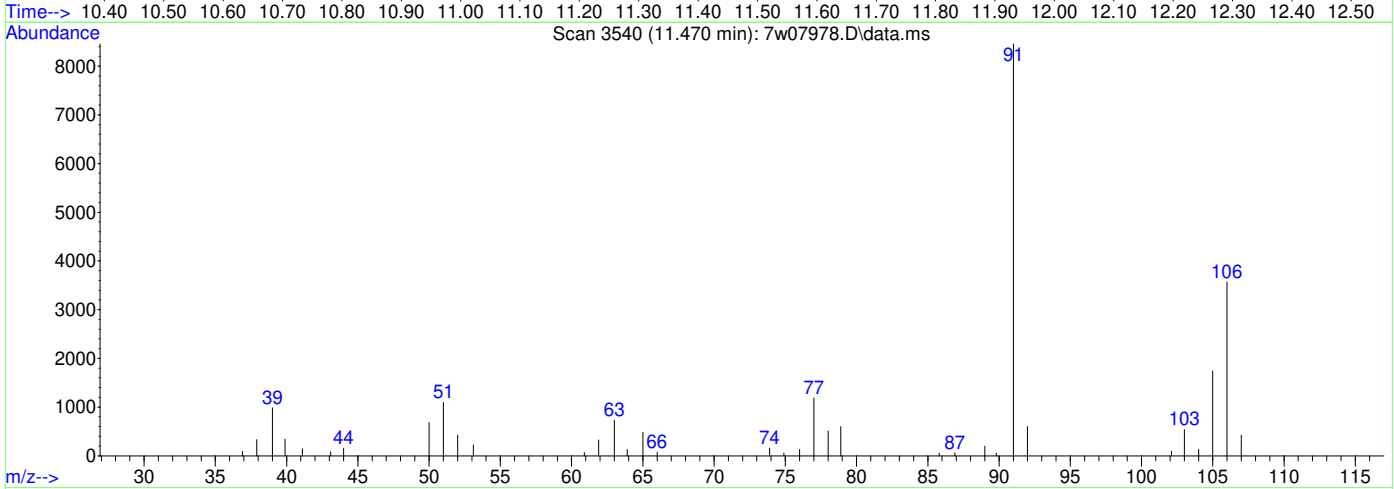
Parameter	CAS	Sig#	R.T. (min.)	Reason
m,p-Xylene			11.51	Split peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07978.D
Acq On : 18 Aug 2024 11:22 pm
Operator : benk
Sample : ic305-0.50
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 00:48:15 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:01 2024
Response via : Initial Calibration





TIC: 7w07978.D\data.ms

(80) M,P-XYLENE (t)

11.470min (-0.035) 0.56PPBV

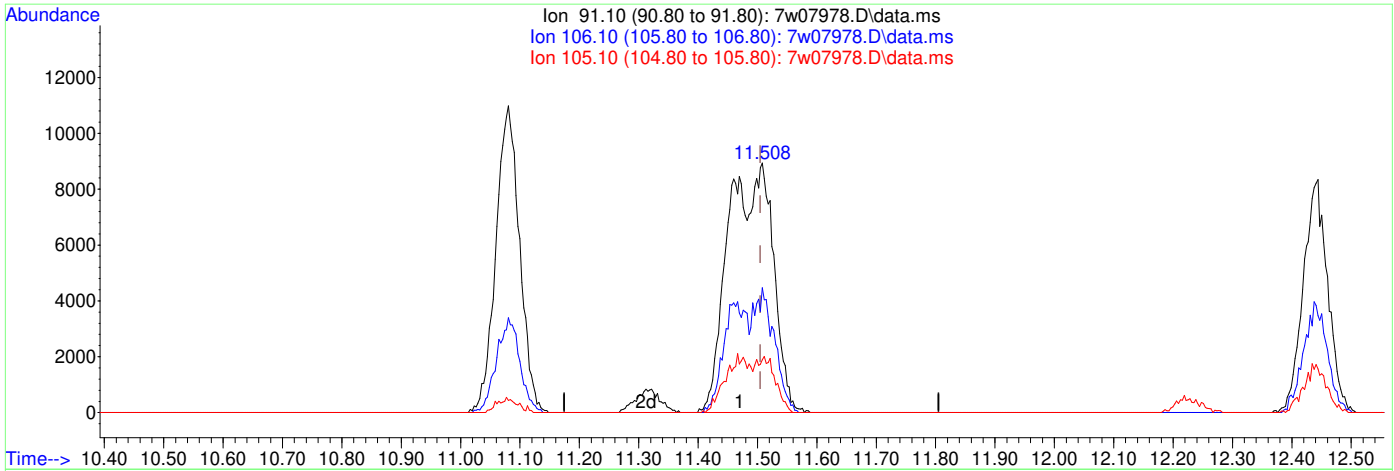
response 25047

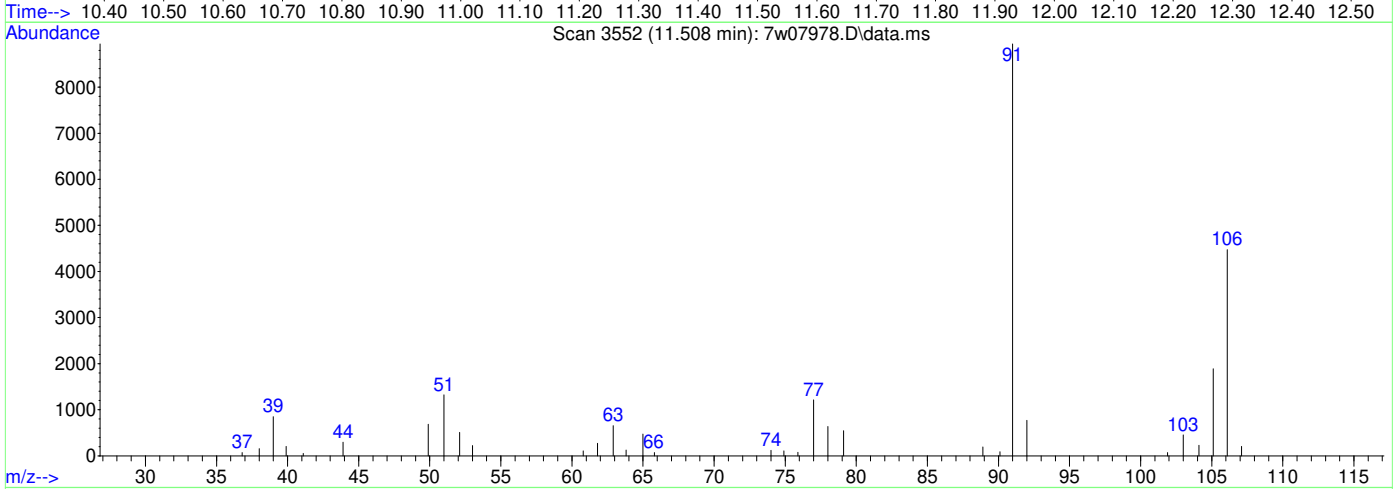
Ion	Exp%	Act%
91.10	100	100
106.10	24.00	46.05
105.10	11.30	22.58
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07978.D
Acq On : 18 Aug 2024 11:22 pm
Operator : benk
Sample : ic305-0.50
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 00:48:15 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:01 2024
Response via : Initial Calibration





TIC: 7w07978.D\data.ms

(80) M,P-XYLENE (t)

11.508min (+0.003) 1.05PPBV m

response 46842

Ion	Exp%	Act%
91.10	100	100
106.10	24.00	24.63
105.10	11.30	12.07
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 08/19/24 10:53

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07979.D
Acq On : 19 Aug 2024 12:01 am
Operator : benk
Sample : ic305-5
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 04:18:27 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Jul 22 10:39:47 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.267	128	81466	10.00	PPBV	#	0.00
52) 1,4-DIFLUOROBENZENE	4.547	114	410025	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.119	117	361102	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.267	128	81464	10.00	PPBV	#	0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.479	95	265954	9.38	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.618	119	27379	2.27	PPBV		97
3) FREON 152A	1.647	65	29000	4.67	PPBV		99
4) CHLORODIFLUOROMETHANE	1.659	67	13506	5.10	PPBV		96
5) CHLOROTRIFLUOROETHENE	1.672	116	64600	5.12	PPBV		85
6) DICHLORODIFLUOROMETHANE	1.688	85	169247	4.50	PPBV		98
7) PROPYLENE	1.669	41	38377	4.63	PPBV		99
8) 1-CHLORO-1,1-DIFLUOROE...	1.727	65	140419	4.23	PPBV		96
9) FREON 114	1.762	85	149365	4.52	PPBV		98
10) CHLOROMETHANE	1.733	52	19771	3.76	PPBV		100
11) VINYL CHLORIDE	1.795	62	65999	4.14	PPBV		99
12) 1,3-BUTADIENE	1.833	54	54080	3.99	PPBV		98
13) N-BUTANE	1.849	43	100820	3.83	PPBV		98
14) BROMOMETHANE	1.910	94	51811	4.31	PPBV		99
15) CHLOROETHANE	1.958	64	34723	4.05	PPBV		92
16) DICHLOROFLUOROMETHANE	1.984	67	132874	4.38	PPBV		98
17) ACETONITRILE	2.055	41	57811	3.60	PPBV		100
18) ACROLEIN	2.094	56	31088	3.87	PPBV		99
19) FREON 123	2.106	83	133098	3.98	PPBV		99
20) FREON 123A	2.122	117	80453	4.36	PPBV		93
21) TRICHLOROFLUOROMETHANE	2.187	101	152287	4.27	PPBV		99
22) ISOPROPYL ALCOHOL	2.219	45	129156	3.14	PPBV		99
23) ACETONE	2.135	58	35696	3.28	PPBV		100
24) PENTANE	2.303	42	71675	3.46	PPBV		97
25) IODOMETHANE	2.364	142	138967	4.41	PPBV		98
26) 1,1-DICHLOROETHYLENE	2.393	96	56736	4.02	PPBV		90
27) CARBON DISULFIDE	2.524	76	164494	4.33	PPBV		99
28) ETHANOL	1.994	45	36651	3.31	PPBV		97
29) BROMOETHENE	2.061	106	51262	4.10	PPBV		99
30) ACRYLONITRILE	2.277	52	52972	3.56	PPBV		99
31) METHYLENE CHLORIDE	2.428	84	51833	3.97	PPBV		86
32) 3-CHLOROPROPENE	2.470	76	28290	3.74	PPBV		84
33) FREON 113	2.524	151	89281	4.48	PPBV		100
34) TRANS-1,2-DICHLOROETHENE	2.753	96	52868	4.38	PPBV		93
35) TERTIARY BUTYL ALCOHOL	2.431	59	116326	3.23	PPBV		97
36) METHYL TERTIARY BUTYL ...	2.868	73	136515	4.93	PPBV		100
37) TETRAHYDROFURAN	3.563	72	27131	5.79	PPBV		90
38) HEXANE	3.319	57	108490	4.76	PPBV		99
39) VINYL ACETATE	2.901	86	11696	4.81	PPBV		88
40) 1,1-DICHLOROETHANE	2.830	63	102265	4.89	PPBV		99
41) METHYL ETHYL KETONE	3.000	72	28364	5.37	PPBV		82
42) CIS-1,2-DICHLOROETHENE	3.190	96	57628	5.43	PPBV		95
43) DIISOPROPYL ETHER	3.328	59	30846	4.96	PPBV		96
44) ETHYL ACETATE	3.331	61	21833	5.20	PPBV		90
45) METHYL ACRYLATE	3.319	55	128213	4.81	PPBV	#	100
46) CHLOROFORM	3.341	83	118312	5.38	PPBV		97
47) 2,4-DIMETHYLPENTANE	3.833	57	123753	5.06	PPBV		98
48) 1,1,1-TRICHLOROETHANE	3.913	97	103061	4.93	PPBV		99
49) CARBON TETRACHLORIDE	4.338	117	104096	5.26	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07979.D
Acq On : 19 Aug 2024 12:01 am
Operator : benk
Sample : ic305-5
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 04:18:27 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Jul 22 10:39:47 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	3.749	62	90936	5.26	PPBV		99
51)	BENZENE	4.225	78	171826	5.13	PPBV		96
53)	CYCLOHEXANE	4.434	84	75178	5.37	PPBV		93
54)	2,3-DIMETHYLPENTANE	4.688	71	39970	5.61	PPBV		86
55)	TRICHLOROETHENE	5.119	95	78664	5.28	PPBV		99
56)	1,2-DICHLOROPROPANE	4.888	63	70308	4.98	PPBV		97
57)	DIBROMOMETHANE	4.849	174	65118	4.79	PPBV		99
58)	ETHYL ACRYLATE	5.013	55	152697	5.12	PPBV		100
59)	BROMODICHLOROMETHANE	5.068	83	124366	5.39	PPBV		99
60)	2,2,4-TRIMETHYLPENTANE	5.216	57	349151	5.05	PPBV		98
61)	1,4-DIOXANE	5.164	88	45840	4.97	PPBV	#	83
62)	HEPTANE	5.534	43	121341	4.96	PPBV		97
63)	METHYL METHACRYLATE	5.434	69	65132	5.30	PPBV		92
64)	METHYL ISOBUTYL KETONE	6.183	58	74156	4.92	PPBV		95
65)	CIS-1,3-DICHLOROPROPENE	6.058	75	91819	4.90	PPBV		98
66)	TOLUENE	7.264	91	218857	5.36	PPBV		99
67)	1,3-DICHLOROPROPANE	7.322	76	110082	5.46	PPBV		99
68)	TRANS-1,3-DICHLOROPROPENE	6.733	75	66745	4.27	PPBV		99
69)	1,1,2-TRICHLOROETHANE	6.894	83	62252	5.39	PPBV		98
70)	2-HEXANONE	7.855	58	112276	4.02	PPBV		97
71)	ETHYL METHACRYLATE	7.974	69	105592	5.14	PPBV		94
72)	TETRACHLOROETHENE	8.990	164	77784	4.95	PPBV		96
73)	DIBROMOCHLOROMETHANE	7.794	129	118229	5.98	PPBV		99
74)	1,2-DIBROMOETHANE	8.138	107	111886	5.67	PPBV		99
75)	OCTANE	9.142	43	173169	5.12	PPBV		96
77)	1,1,1,2-TETRACHLOROETHANE	10.206	131	78566	5.10	PPBV		98
78)	CHLOROBENZENE	10.196	112	183185	5.81	PPBV		99
79)	ETHYLBENZENE	11.080	91	299317	4.99	PPBV		100
80)	M,P-XYLENE	11.505	91	464302	10.48	PPBV		99
81)	O-XYLENE	12.437	91	236267	5.90	PPBV		97
82)	STYRENE	12.228	104	177117	6.24	PPBV		99
83)	NONANE	13.563	43	187166	5.08	PPBV		97
84)	BROMOFORM	11.315	173	101100	5.63	PPBV		97
85)	1,1,2,2-TETRACHLOROETHANE	12.453	83	172204	5.90	PPBV		99
86)	1,2,3-TRICHLOROPROPANE	12.736	75	133990	6.07	PPBV		100
88)	ISOPROPYLBENZENE	13.955	120	89542	5.64	PPBV		98
89)	BROMOBENZENE	13.823	77	164898	5.71	PPBV		96
90)	2-CHLOROTOLUENE	14.952	126	80136	5.58	PPBV		100
91)	N-PROPYLBENZENE	15.296	120	93644	5.99	PPBV		100
92)	4-ETHYLTOLUENE	15.739	105	338018	5.58	PPBV		99
93)	1,3,5-TRIMETHYLBENZENE	15.997	105	282963	5.41	PPBV		99
94)	ALPHA-METHYLSTYRENE	16.270	118	143668	5.58	PPBV		100
95)	TERT-BUTYLBENZENE	16.569	134	67157	4.95	PPBV		99
96)	1,2,4-TRIMETHYLBENZENE	16.578	105	296095	5.30	PPBV		99
97)	BENZYL CHLORIDE	16.669	91	79381m	3.20	PPBV		
98)	M-DICHLOROBENZENE	16.640	146	187655	5.45	PPBV		99
99)	P-DICHLOROBENZENE	16.730	146	191562	5.55	PPBV		99
100)	O-DICHLOROBENZENE	17.045	146	181198	5.52	PPBV		99
101)	SEC-BUTYLBENZENE	16.874	134	84088	5.29	PPBV		93
102)	1,2,3-TRIMETHYLBENZENE	16.990	105	287527	5.46	PPBV		99
103)	P-ISOPROPYLTOLUENE	17.064	134	92888	5.44	PPBV		95
104)	N-BUTYLBENZENE	17.424	134	93747	5.91	PPBV		98
105)	HEXACHLOROETHANE	17.604	117	82010	4.77	PPBV		96
106)	HEXACHLOROBUTADIENE	18.662	225	132649	5.96	PPBV		100
107)	1,2,4-TRICHLOROBENZENE	18.350	180	178283	11.97	PPBV		99
108)	NAPHTHALENE	18.398	128	477399	16.43	PPBV		100
110)	TVHC as equiv Pentane	2.303	TIC	356727	3.90	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07979.D
Acq On : 19 Aug 2024 12:01 am
Operator : benk
Sample : ic305-5
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 04:18:27 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Jul 22 10:39:47 2024
Response via : Initial Calibration

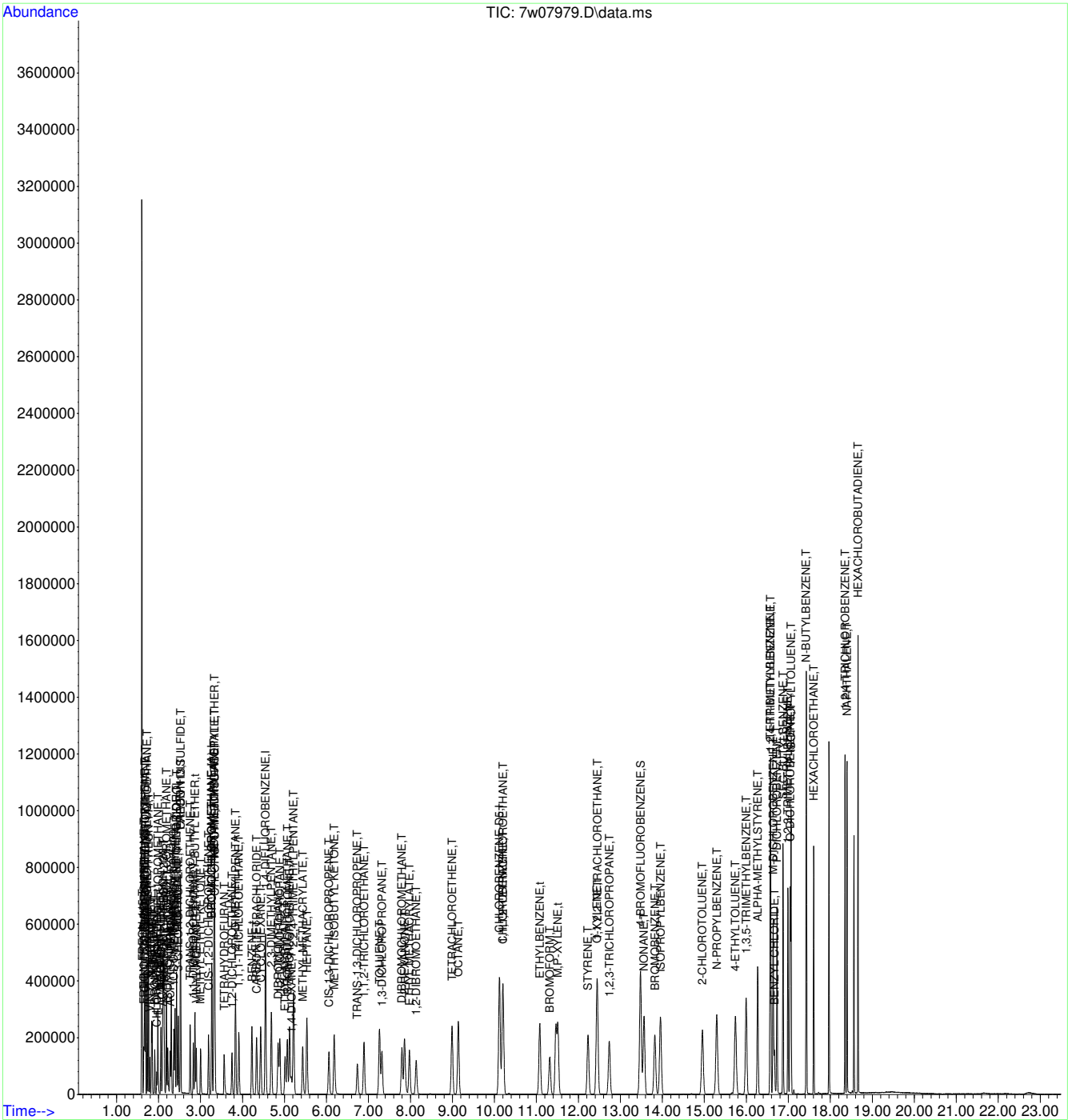
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07979.D
Acq On : 19 Aug 2024 12:01 am
Operator : benk
Sample : ic305-5
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 04:18:27 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Jul 22 10:39:47 2024
Response via : Initial Calibration



Manual Integration Approval Summary

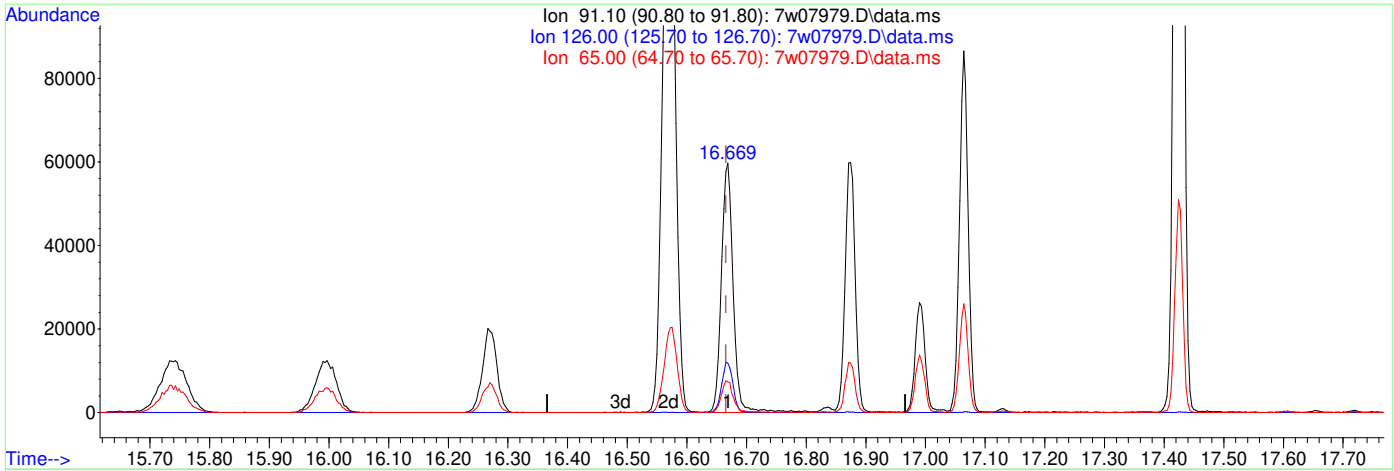
Sample Number:	V7W305-IC305	**Method:**	TO-15
Lab FileID:	7W07979.D	**Analyst approved:**	08/19/24 09:06 Benjamin Kim
Injection Time:	08/19/24 00:01	**Supervisor approved:**	08/19/24 10:53 Kanya Veerawat

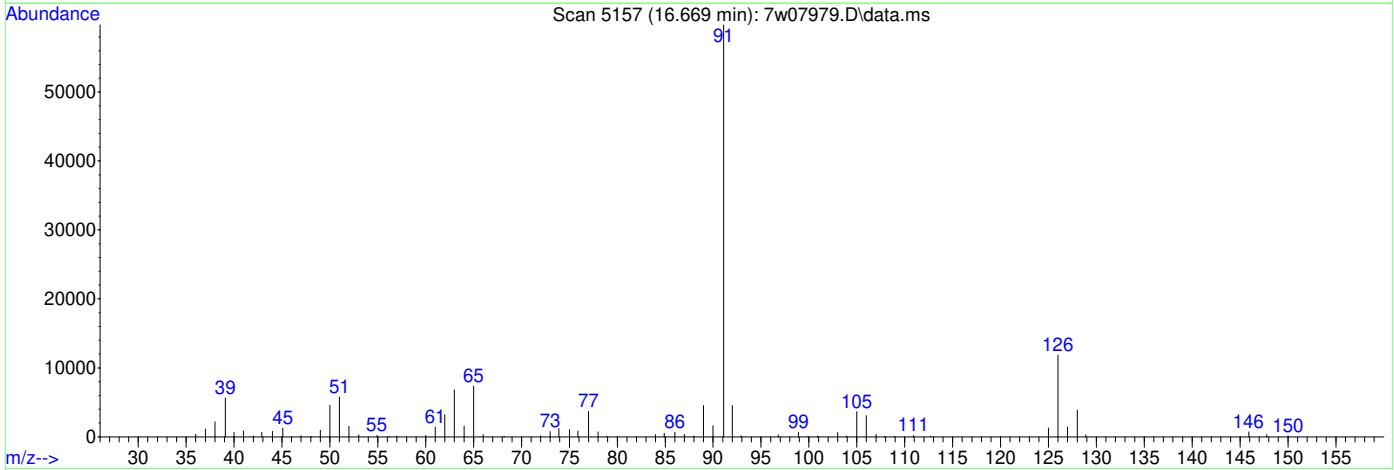
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzyl Chloride	100-44-7		16.67	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07979.D
Acq On : 19 Aug 2024 12:01 am
Operator : benk
Sample : ic305-5
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 00:45:51 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Jul 22 10:39:47 2024
Response via : Initial Calibration





TIC: 7w07979.D\data.ms

(97) BENZYL CHLORIDE (T)

16.669min (+0.003) 3.29PPBV

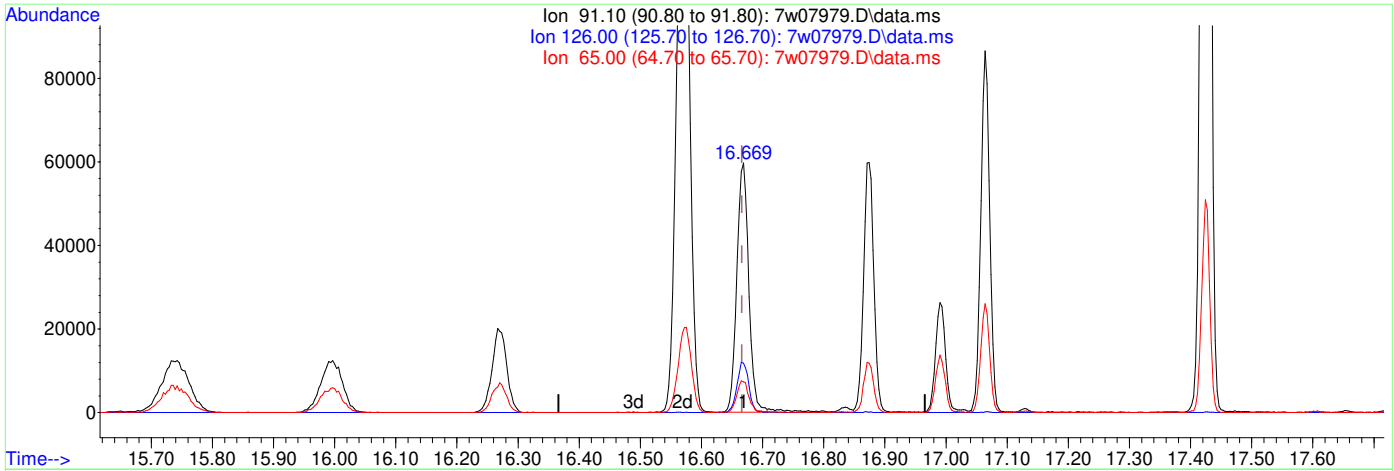
response 81628

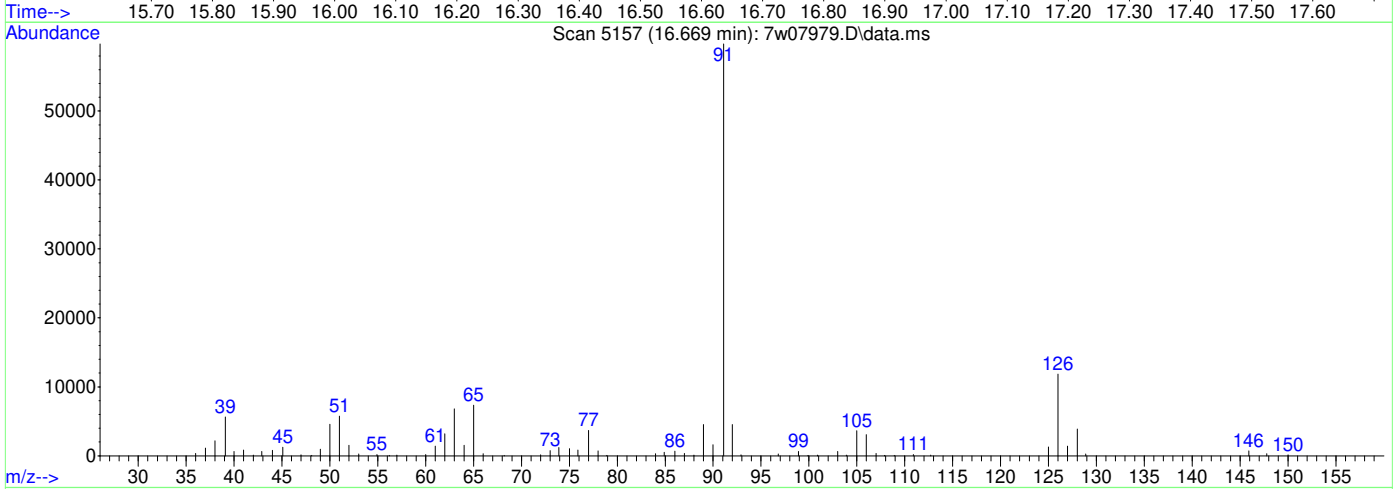
Ion	Exp%	Act%
91.10	100	100
126.00	19.10	19.59
65.00	13.00	13.49
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07979.D
Acq On : 19 Aug 2024 12:01 am
Operator : benk
Sample : ic305-5
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 00:45:51 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Jul 22 10:39:47 2024
Response via : Initial Calibration





TIC: 7w07979.D\data.ms

(97) BENZYL CHLORIDE (T)

16.669min (+0.003) 3.20PPBV m

response 79381

Ion	Exp%	Act%
91.10	100	100
126.00	19.10	20.14
65.00	13.00	13.87
0.00	0.00	0.00

7W07979.D edits: BENZYL CHLORIDE

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 08/19/24 12:13

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07980.D
Acq On : 19 Aug 2024 12:35 am
Operator : benk
Sample : icc305-10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 04:19:31 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:59 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.267	128	76492	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.547	114	388370	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.119	117	349697	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.267	128	76492	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.479	95	254020	9.80	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.618	119	116757	11.94	PPBV		98
3) FREON 152A	1.647	65	56656	10.57	PPBV		97
4) CHLORODIFLUOROMETHANE	1.660	67	27361	10.93	PPBV		96
5) CHLOROTRIFLUOROETHENE	1.669	116	128761	10.75	PPBV		99
6) DICHLORODIFLUOROMETHANE	1.689	85	335263	10.56	PPBV		99
7) PROPYLENE	1.669	41	75194	10.04	PPBV		98
8) 1-CHLORO-1,1-DIFLUOROE...	1.724	65	279768	10.38	PPBV		99
9) FREON 114	1.759	85	296122	10.76	PPBV		99
10) CHLOROMETHANE	1.730	52	38843	9.29	PPBV		98
11) VINYL CHLORIDE	1.791	62	127043	9.96	PPBV		99
12) 1,3-BUTADIENE	1.833	54	107031	9.85	PPBV		99
13) N-BUTANE	1.846	43	198675	10.27	PPBV		99
14) BROMOMETHANE	1.907	94	101510	10.31	PPBV		99
15) CHLOROETHANE	1.955	64	66775	10.09	PPBV		90
16) DICHLOROFLUOROMETHANE	1.981	67	261438	10.74	PPBV		100
17) ACETONITRILE	2.052	41	110740	8.07	PPBV		99
18) ACROLEIN	2.090	56	61192	10.52	PPBV		100
19) FREON 123	2.103	83	262246	9.89	PPBV		100
20) FREON 123A	2.123	117	158704	10.72	PPBV		100
21) TRICHLOROFLUOROMETHANE	2.187	101	302114	10.62	PPBV		99
22) ISOPROPYL ALCOHOL	2.213	45	263534	8.69	PPBV		99
23) ACETONE	2.132	58	66233	6.38	PPBV		97
24) PENTANE	2.303	42	137367	8.83	PPBV		99
25) IODOMETHANE	2.364	142	273231	10.68	PPBV		100
26) 1,1-DICHLOROETHYLENE	2.393	96	111237	9.93	PPBV		99
27) CARBON DISULFIDE	2.525	76	326093	10.12	PPBV		99
28) ETHANOL	1.991	45	67325	6.93	PPBV		98
29) BROMOETHENE	2.058	106	102347	10.02	PPBV		100
30) ACRYLONITRILE	2.274	52	98220	8.85	PPBV		98
31) METHYLENE CHLORIDE	2.428	84	101961	8.72	PPBV		99
32) 3-CHLOROPROPENE	2.470	76	56199	10.18	PPBV		97
33) FREON 113	2.525	151	175840	10.42	PPBV		100
34) TRANS-1,2-DICHLOROETHENE	2.753	96	105154	9.70	PPBV		99
35) TERTIARY BUTYL ALCOHOL	2.418	59	256208	9.59	PPBV		99
36) METHYL TERTIARY BUTYL ...	2.865	73	273836	10.96	PPBV		100
37) TETRAHYDROFURAN	3.557	72	53518	11.75	PPBV		98
38) HEXANE	3.319	57	216582	10.11	PPBV		100
39) VINYL ACETATE	2.898	86	24166	11.82	PPBV		94
40) 1,1-DICHLOROETHANE	2.827	63	200586	10.56	PPBV		100
41) METHYL ETHYL KETONE	2.997	72	55843	11.44	PPBV		100
42) CIS-1,2-DICHLOROETHENE	3.190	96	113715	11.11	PPBV		100
43) DIISOPROPYL ETHER	3.325	59	61463	10.90	PPBV		100
44) ETHYL ACETATE	3.332	61	43829	10.65	PPBV		100
45) METHYL ACRYLATE	3.316	55	258959	10.92	PPBV	#	26
46) CHLOROFORM	3.341	83	237561	11.15	PPBV		99
47) 2,4-DIMETHYLPENTANE	3.833	57	244103	11.02	PPBV		99
48) 1,1,1-TRICHLOROETHANE	3.914	97	211578	10.86	PPBV		98
49) CARBON TETRACHLORIDE	4.335	117	214927	11.14	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07980.D
Acq On : 19 Aug 2024 12:35 am
Operator : benk
Sample : icc305-10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 04:19:31 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:59 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	3.750	62	178327	11.01	PPBV		100
51)	BENZENE	4.225	78	336400	10.79	PPBV		100
53)	CYCLOHEXANE	4.431	84	147216	10.89	PPBV		98
54)	2,3-DIMETHYLPENTANE	4.688	71	78137	11.46	PPBV		99
55)	TRICHLOROETHENE	5.122	95	154777	10.77	PPBV		100
56)	1,2-DICHLOROPROPANE	4.888	63	141313	10.87	PPBV		99
57)	DIBROMOMETHANE	4.846	174	127868	10.56	PPBV		100
58)	ETHYL ACRYLATE	5.010	55	310645	10.93	PPBV		100
59)	BROMODICHLOROMETHANE	5.068	83	251956	11.60	PPBV		100
60)	2,2,4-TRIMETHYLPENTANE	5.216	57	676160	10.55	PPBV		99
61)	1,4-DIOXANE	5.151	88	83819	11.15	PPBV	#	96
62)	HEPTANE	5.534	43	238681	10.47	PPBV		100
63)	METHYL METHACRYLATE	5.431	69	129938	10.97	PPBV		98
64)	METHYL ISOBUTYL KETONE	6.177	58	138927	9.69	PPBV		99
65)	CIS-1,3-DICHLOROPROPENE	6.058	75	192427	11.23	PPBV		99
66)	TOLUENE	7.264	91	436862	11.04	PPBV		99
67)	1,3-DICHLOROPROPANE	7.322	76	219919	11.36	PPBV		99
68)	TRANS-1,3-DICHLOROPROPENE	6.737	75	146931	10.87	PPBV		99
69)	1,1,2-TRICHLOROETHANE	6.894	83	123244	11.28	PPBV		100
70)	2-HEXANONE	7.852	58	202098	9.26	PPBV		100
71)	ETHYL METHACRYLATE	7.974	69	213857	11.04	PPBV		99
72)	TETRACHLOROETHENE	8.994	164	152491	10.19	PPBV		99
73)	DIBROMOCHLOROMETHANE	7.798	129	244347	12.50	PPBV		99
74)	1,2-DIBROMOETHANE	8.138	107	227562	11.69	PPBV		99
75)	OCTANE	9.142	43	342794	10.17	PPBV		100
77)	1,1,1,2-TETRACHLOROETHANE	10.206	131	167229	11.49	PPBV		98
78)	CHLOROBENZENE	10.199	112	365525	11.34	PPBV		99
79)	ETHYLBENZENE	11.084	91	596122	10.36	PPBV		100
80)	M,P-XYLENE	11.511	91	932252	26.23	PPBV		98
81)	O-XYLENE	12.441	91	476187	11.13	PPBV		95
82)	STYRENE	12.228	104	355912	11.49	PPBV		99
83)	NONANE	13.566	43	372829	10.90	PPBV		100
84)	BROMOFORM	11.318	173	218043	12.08	PPBV		100
85)	1,1,2,2-TETRACHLOROETHANE	12.457	83	345869	11.55	PPBV		100
86)	1,2,3-TRICHLOROPROPANE	12.740	75	269044	11.72	PPBV		100
88)	ISOPROPYLBENZENE	13.958	120	177926	10.94	PPBV		99
89)	BROMOBENZENE	13.823	77	331670	11.30	PPBV		99
90)	2-CHLOROTOLUENE	14.955	126	160785	10.94	PPBV		99
91)	N-PROPYLBENZENE	15.296	120	187111	11.29	PPBV		99
92)	4-ETHYLTOLUENE	15.743	105	683113	11.85	PPBV		99
93)	1,3,5-TRIMETHYLBENZENE	15.997	105	568889	10.83	PPBV		100
94)	ALPHA-METHYLSTYRENE	16.273	118	292834	10.97	PPBV		99
95)	TERT-BUTYLBENZENE	16.569	134	135050	10.31	PPBV		98
96)	1,2,4-TRIMETHYLBENZENE	16.579	105	603037	10.60	PPBV		100
97)	BENZYL CHLORIDE	16.669	91	206043m	8.98	PPBV		
98)	M-DICHLOROBENZENE	16.640	146	381391	10.72	PPBV		100
99)	P-DICHLOROBENZENE	16.733	146	385546	10.57	PPBV		100
100)	O-DICHLOROBENZENE	17.045	146	365233	10.52	PPBV		100
101)	SEC-BUTYLBENZENE	16.874	134	172736	10.87	PPBV		98
102)	1,2,3-TRIMETHYLBENZENE	16.990	105	581741	10.62	PPBV		100
103)	P-ISOPROPYLTOLUENE	17.064	134	190250	10.87	PPBV		100
104)	N-BUTYLBENZENE	17.424	134	192133	11.39	PPBV		99
105)	HEXACHLOROETHANE	17.604	117	188986	11.90	PPBV		99
106)	HEXACHLOROBUTADIENE	18.656	225	270689	11.05	PPBV		100
107)	1,2,4-TRICHLOROBENZENE	18.347	180	362323	13.11	PPBV		100
108)	NAPHTHALENE	18.395	128	919027	12.96	PPBV		100
110)	TVHC as equiv Pentane	2.303	TIC	685461	8.17	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07980.D
Acq On : 19 Aug 2024 12:35 am
Operator : benk
Sample : icc305-10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 04:19:31 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:59 2024
Response via : Initial Calibration

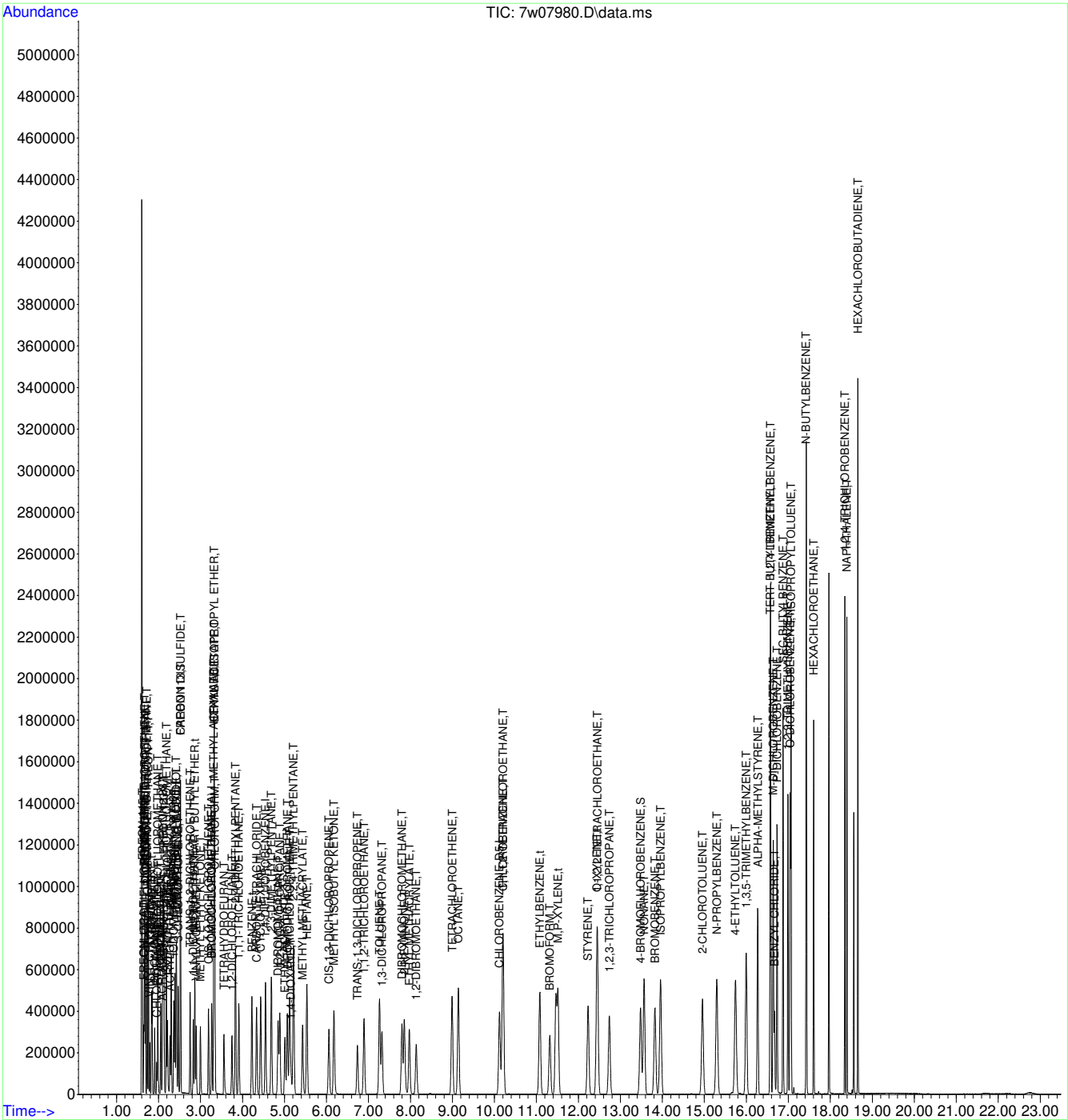
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07980.D
Acq On : 19 Aug 2024 12:35 am
Operator : benk
Sample : icc305-10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 04:19:31 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:59 2024
Response via : Initial Calibration



Manual Integration Approval Summary

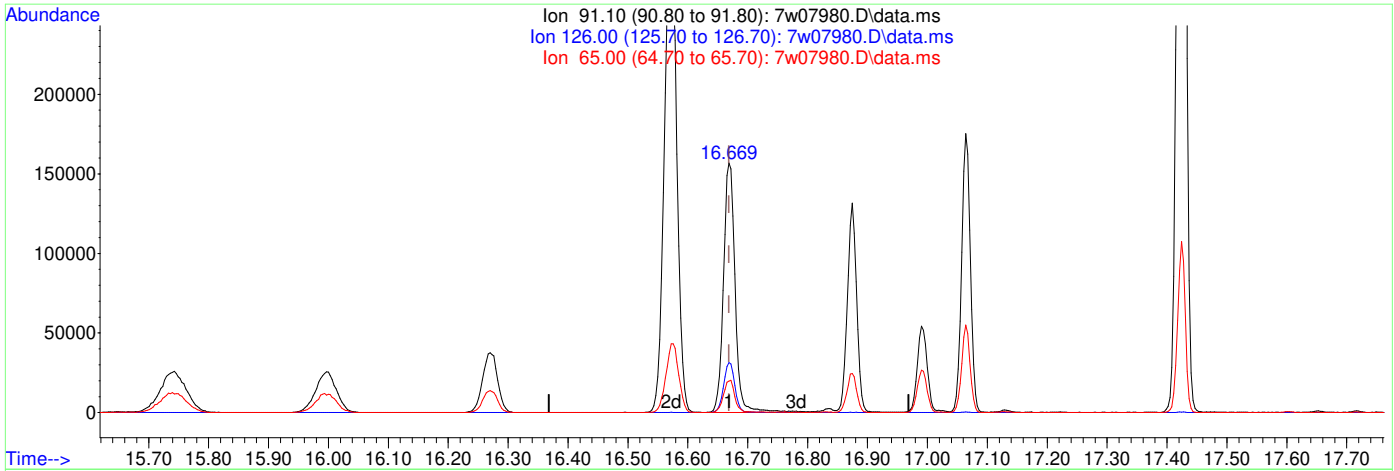
Sample Number: V7W305-ICC305 **Method:** TO-15
Lab FileID: 7W07980.D **Analyst approved:** 08/19/24 12:13 Kanya Veerawat
Injection Time: 08/19/24 00:35 **Supervisor approved:** 08/19/24 12:13 Kanya Veerawat

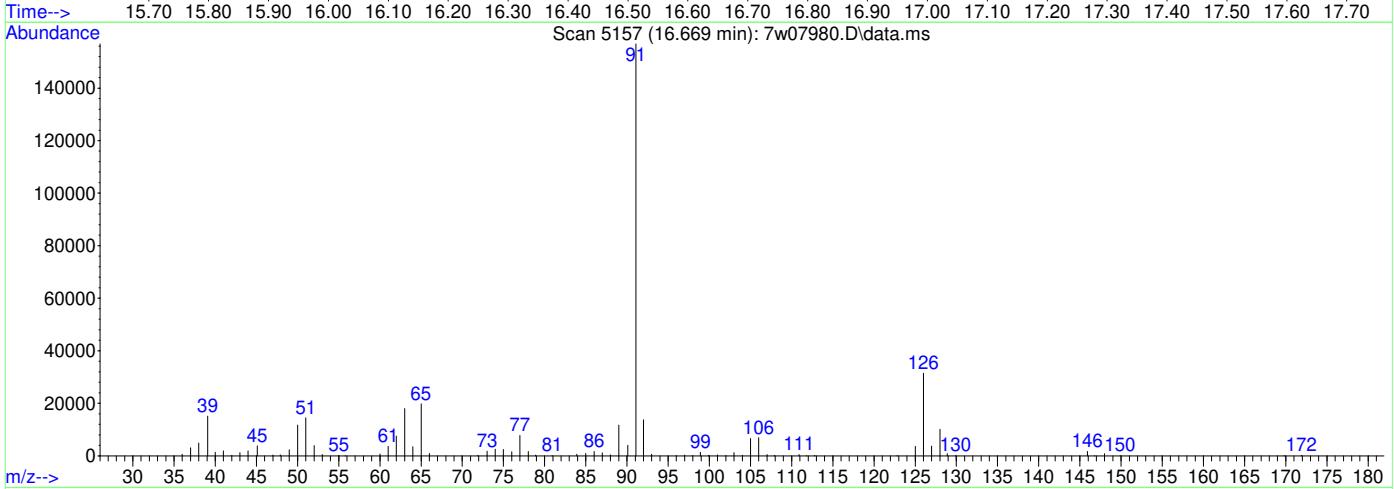
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzyl Chloride	100-44-7		16.67	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07980.D
Acq On : 19 Aug 2024 12:35 am
Operator : benk
Sample : icc305-10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 01:10:46 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:59 2024
Response via : Initial Calibration





TIC: 7w07980.D\data.ms

(97) BENZYL CHLORIDE (T)

16.669min (+0.000) 9.14PPBV

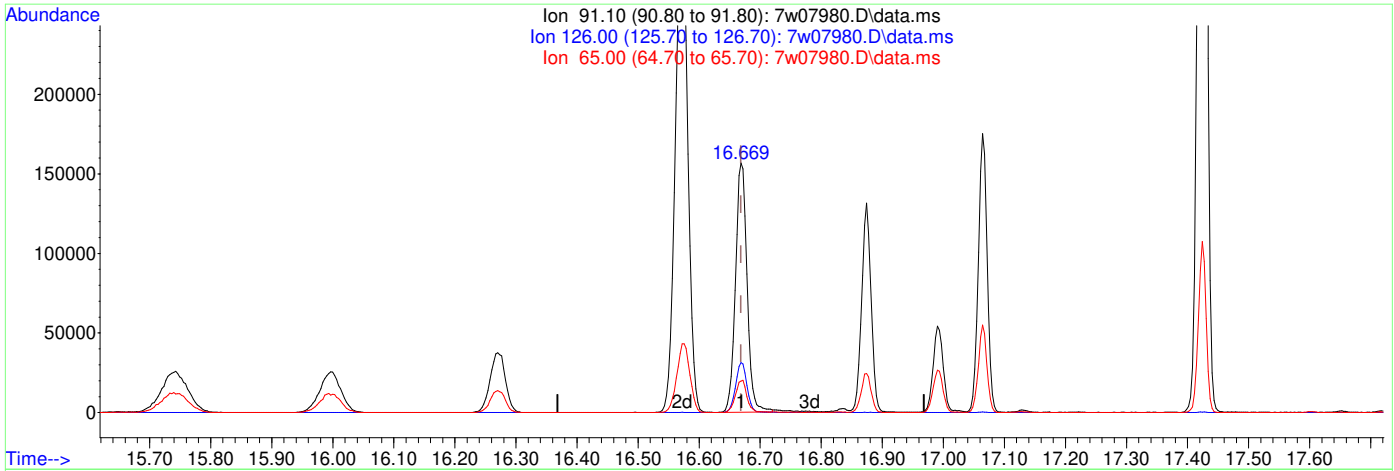
response 209652

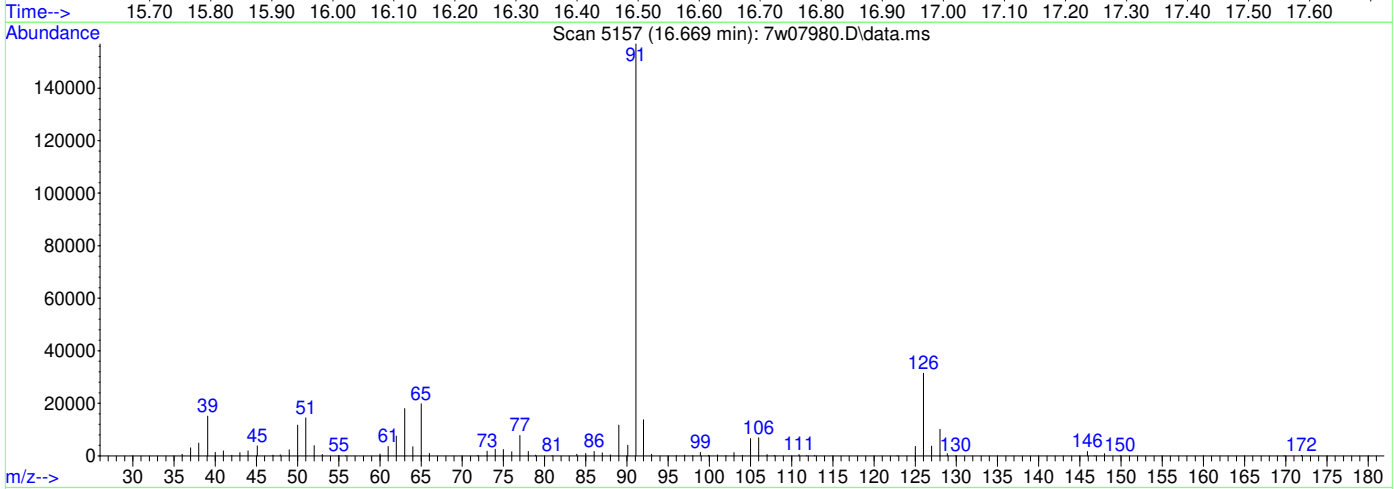
Ion	Exp%	Act%
91.10	100	100
126.00	19.60	19.52
65.00	13.50	13.08
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07980.D
Acq On : 19 Aug 2024 12:35 am
Operator : benk
Sample : icc305-10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 01:10:46 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:59 2024
Response via : Initial Calibration





TIC: 7w07980.D\data.ms

(97) BENZYL CHLORIDE (T)

16.669min (+0.000) 8.98PPBV m

response 206043

Ion	Exp%	Act%
91.10	100	100
126.00	19.60	19.87
65.00	13.50	13.30
0.00	0.00	0.00

7W07981.D

Manual Integrations APPROVED (compounds with "m" flag)

Kanya Veerawat 08/19/24 10:53

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07981.D
Acq On : 19 Aug 2024 1:10 am
Operator : benk
Sample : ic305-20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 04:20:49 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 01:13:02 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.267	128	78951	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.550	114	399337	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.122	117	358279	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.267	128	78951	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.479	95	266903	10.06	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.618	119	223150	21.59	PPBV		99
3) FREON 152A	1.647	65	113696	20.51	PPBV		99
4) CHLORODIFLUOROMETHANE	1.660	67	54585	20.96	PPBV		96
5) CHLOROTRIFLUOROETHENE	1.669	116	260366	20.90	PPBV		100
6) DICHLORODIFLUOROMETHANE	1.688	85	680605	20.91	PPBV		100
7) PROPYLENE	1.669	41	152928	19.87	PPBV		99
8) 1-CHLORO-1,1-DIFLUOROE...	1.724	65	568833	20.81	PPBV		100
9) FREON 114	1.759	85	605062	21.62	PPBV		100
10) CHLOROMETHANE	1.730	52	78040	18.64	PPBV		98
11) VINYL CHLORIDE	1.791	62	255415	19.85	PPBV		99
12) 1,3-BUTADIENE	1.833	54	213526	19.54	PPBV		99
13) N-BUTANE	1.846	43	396119	20.43	PPBV		100
14) BROMOMETHANE	1.907	94	203898	20.45	PPBV		98
15) CHLOROETHANE	1.955	64	134751	20.22	PPBV		90
16) DICHLOROFLUOROMETHANE	1.981	67	524283	21.39	PPBV		100
17) ACETONITRILE	2.052	41	223496	16.36	PPBV		99
18) ACROLEIN	2.090	56	122465	21.34	PPBV		99
19) FREON 123	2.103	83	531281	19.97	PPBV		100
20) FREON 123A	2.123	117	323136	21.67	PPBV		100
21) TRICHLOROFLUOROMETHANE	2.187	101	609713	21.19	PPBV		99
22) ISOPROPYL ALCOHOL	2.209	45	505798	16.79	PPBV		99
23) ACETONE	2.129	58	132986	12.82	PPBV		98
24) PENTANE	2.303	42	275517	17.87	PPBV		100
25) IODOMETHANE	2.364	142	554198	21.34	PPBV		99
26) 1,1-DICHLOROETHYLENE	2.393	96	224620	19.91	PPBV		100
27) CARBON DISULFIDE	2.524	76	672044	20.83	PPBV		98
28) ETHANOL	1.987	45	128753	12.10	PPBV		97
29) BROMOETHENE	2.058	106	208300	20.11	PPBV		99
30) ACRYLONITRILE	2.274	52	196181	17.77	PPBV		98
31) METHYLENE CHLORIDE	2.428	84	204874	17.29	PPBV		97
32) 3-CHLOROPROPENE	2.470	76	113419	20.29	PPBV		94
33) FREON 113	2.524	151	360148	21.14	PPBV		100
34) TRANS-1,2-DICHLOROETHENE	2.753	96	212265	18.95	PPBV		99
35) TERTIARY BUTYL ALCOHOL	2.412	59	502012	18.93	PPBV		98
36) METHYL TERTIARY BUTYL ...	2.862	73	565864	21.86	PPBV		99
37) TETRAHYDROFURAN	3.553	72	108661	22.89	PPBV		99
38) HEXANE	3.319	57	447138	20.24	PPBV		100
39) VINYL ACETATE	2.901	86	53174	25.07	PPBV		94
40) 1,1-DICHLOROETHANE	2.830	63	406429	20.70	PPBV		100
41) METHYL ETHYL KETONE	2.997	72	113742	22.35	PPBV		98
42) CIS-1,2-DICHLOROETHENE	3.193	96	229111	21.47	PPBV		100
43) DIISOPROPYL ETHER	3.325	59	128654	22.05	PPBV		98
44) ETHYL ACETATE	3.328	61	90518	21.25	PPBV		97
45) METHYL ACRYLATE	3.315	55	541298	22.09	PPBV	#	26
46) CHLOROFORM	3.341	83	481874	21.68	PPBV		100
47) 2,4-DIMETHYLPENTANE	3.836	57	493893	21.63	PPBV		99
48) 1,1,1-TRICHLOROETHANE	3.913	97	446392	22.10	PPBV		97
49) CARBON TETRACHLORIDE	4.338	117	457450	22.82	PPBV		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07981.D
Acq On : 19 Aug 2024 1:10 am
Operator : benk
Sample : ic305-20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 04:20:49 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 01:13:02 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	3.749	62	359999	21.41	PPBV		100
51)	BENZENE	4.225	78	686901	21.16	PPBV		100
53)	CYCLOHEXANE	4.434	84	301083	21.52	PPBV		100
54)	2,3-DIMETHYLPENTANE	4.688	71	159069	22.48	PPBV		100
55)	TRICHLOROETHENE	5.122	95	315589	21.12	PPBV		100
56)	1,2-DICHLOROPROPANE	4.891	63	281821	20.99	PPBV		99
57)	DIBROMOMETHANE	4.849	174	258319	20.58	PPBV		100
58)	ETHYL ACRYLATE	5.010	55	648686	22.22	PPBV		100
59)	BROMODICHLOROMETHANE	5.071	83	520746	22.92	PPBV		99
60)	2,2,4-TRIMETHYLPENTANE	5.219	57	1363236	20.68	PPBV		98
61)	1,4-DIOXANE	5.142	88	159662	20.39	PPBV	#	93
62)	HEPTANE	5.534	43	490987	20.96	PPBV		100
63)	METHYL METHACRYLATE	5.431	69	269942	22.03	PPBV		98
64)	METHYL ISOBUTYL KETONE	6.174	58	278412	18.84	PPBV		100
65)	CIS-1,3-DICHLOROPROPENE	6.061	75	416046	23.40	PPBV		98
66)	TOLUENE	7.267	91	894765	21.73	PPBV		99
67)	1,3-DICHLOROPROPANE	7.325	76	454192	22.55	PPBV		100
68)	TRANS-1,3-DICHLOROPROPENE	6.736	75	339286	24.33	PPBV		97
69)	1,1,2-TRICHLOROETHANE	6.897	83	252481	22.25	PPBV		99
70)	2-HEXANONE	7.846	58	409335	18.16	PPBV		99
71)	ETHYL METHACRYLATE	7.971	69	456862	22.78	PPBV		99
72)	TETRACHLOROETHENE	8.997	164	312906	20.27	PPBV		99
73)	DIBROMOCHLOROMETHANE	7.801	129	522506	25.25	PPBV		100
74)	1,2-DIBROMOETHANE	8.142	107	469334	23.12	PPBV		100
75)	OCTANE	9.142	43	701989	20.21	PPBV		100
77)	1,1,1,2-TETRACHLOROETHANE	10.215	131	358362	23.86	PPBV		98
78)	CHLOROBENZENE	10.203	112	755223	22.52	PPBV		100
79)	ETHYLBENZENE	11.087	91	1235495	20.71	PPBV		100
80)	M,P-XYLENE	11.514	91	1915233	51.64	PPBV		98
81)	O-XYLENE	12.447	91	990163	22.27	PPBV		97
82)	STYRENE	12.235	104	744264	23.04	PPBV		100
83)	NONANE	13.569	43	767362	21.75	PPBV		100
84)	BROMOFORM	11.322	173	476337	25.55	PPBV		99
85)	1,1,2,2-TETRACHLOROETHANE	12.460	83	719296	23.01	PPBV		100
86)	1,2,3-TRICHLOROPROPANE	12.739	75	552619	23.08	PPBV		100
88)	ISOPROPYLBENZENE	13.961	120	370195	21.85	PPBV		99
89)	BROMOBENZENE	13.829	77	689619	22.52	PPBV		99
90)	2-CHLOROTOLUENE	14.961	126	332076	21.66	PPBV		99
91)	N-PROPYLBENZENE	15.299	120	388667	22.47	PPBV		100
92)	4-ETHYLTOLUENE	15.746	105	1411045	23.43	PPBV		100
93)	1,3,5-TRIMETHYLBENZENE	15.997	105	1186430	21.61	PPBV		100
94)	ALPHA-METHYLSTYRENE	16.273	118	616609	22.44	PPBV		100
95)	TERT-BUTYLBENZENE	16.572	134	285876	21.66	PPBV		98
96)	1,2,4-TRIMETHYLBENZENE	16.582	105	1283114	22.29	PPBV		99
97)	BENZYL CHLORIDE	16.672	91	586437m	33.00	PPBV		
98)	M-DICHLOROBENZENE	16.643	146	806410	22.21	PPBV		100
99)	P-DICHLOROBENZENE	16.733	146	813706	21.78	PPBV		100
100)	O-DICHLOROBENZENE	17.048	146	781278	21.49	PPBV		99
101)	SEC-BUTYLBENZENE	16.878	134	363104	21.90	PPBV		98
102)	1,2,3-TRIMETHYLBENZENE	16.993	105	1240077	21.66	PPBV		100
103)	P-ISOPROPYLTOLUENE	17.067	134	399174	21.83	PPBV		100
104)	N-BUTYLBENZENE	17.427	134	407447	22.96	PPBV		98
105)	HEXACHLOROETHANE	17.604	117	446077	27.20	PPBV		99
106)	HEXACHLOROBUTADIENE	18.659	225	601439	23.20	PPBV		99
107)	1,2,4-TRICHLOROBENZENE	18.347	180	799662	26.27	PPBV		99
108)	NAPHTHALENE	18.395	128	2024654	23.88	PPBV		100
110)	TVHC as equiv Pentane	2.303	TIC	1370798	16.29	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07981.D
Acq On : 19 Aug 2024 1:10 am
Operator : benk
Sample : ic305-20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 04:20:49 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 01:13:02 2024
Response via : Initial Calibration

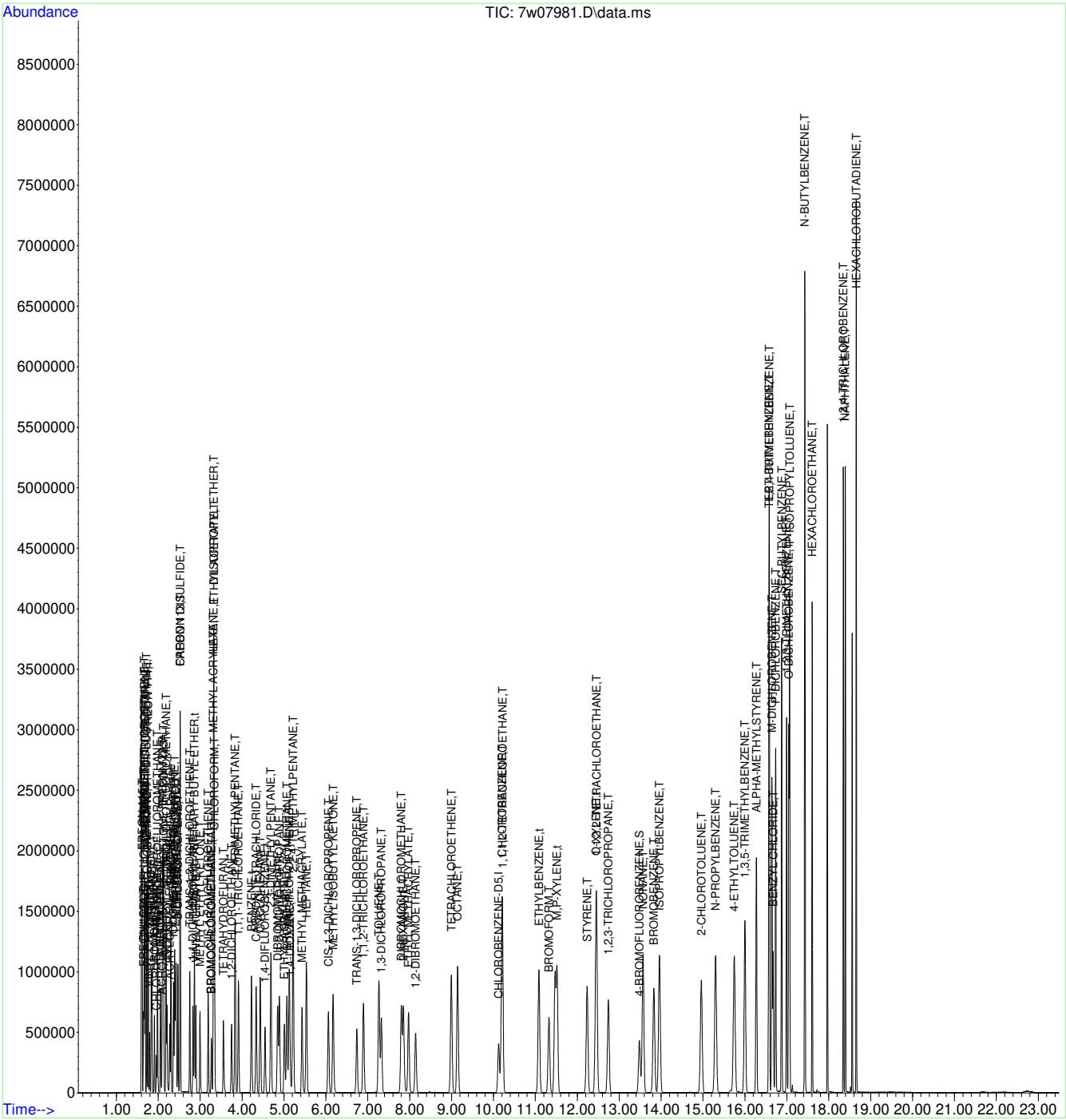
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07981.D
Acq On : 19 Aug 2024 1:10 am
Operator : benk
Sample : ic305-20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 04:20:49 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 01:13:02 2024
Response via : Initial Calibration



Manual Integration Approval Summary

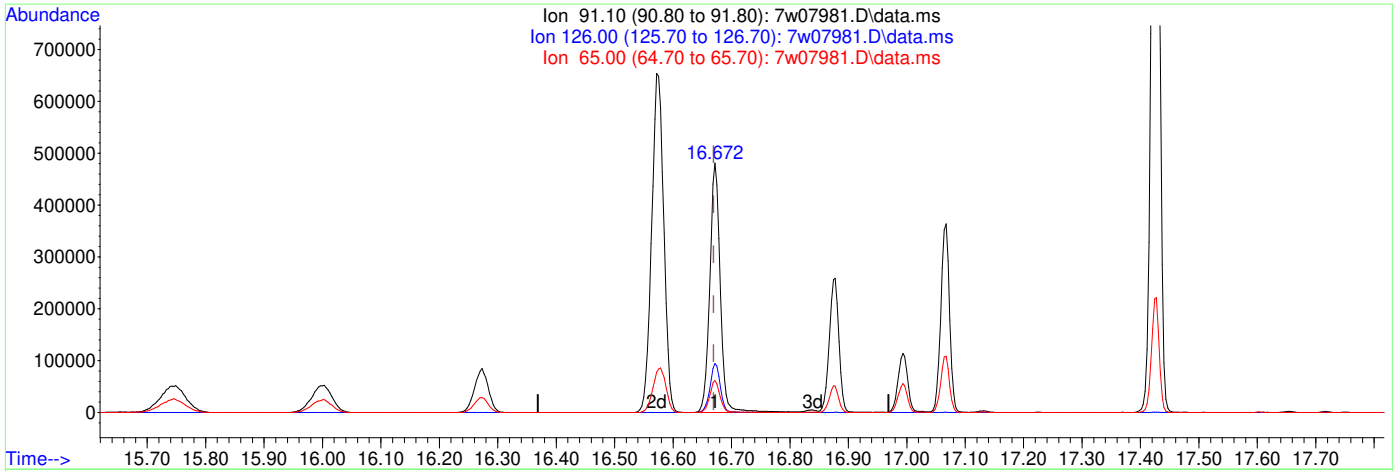
Sample Number:	V7W305-IC305	**Method:**	TO-15
Lab FileID:	7W07981.D	**Analyst approved:**	08/19/24 09:06 Benjamin Kim
Injection Time:	08/19/24 01:10	**Supervisor approved:**	08/19/24 10:53 Kanya Veerawat

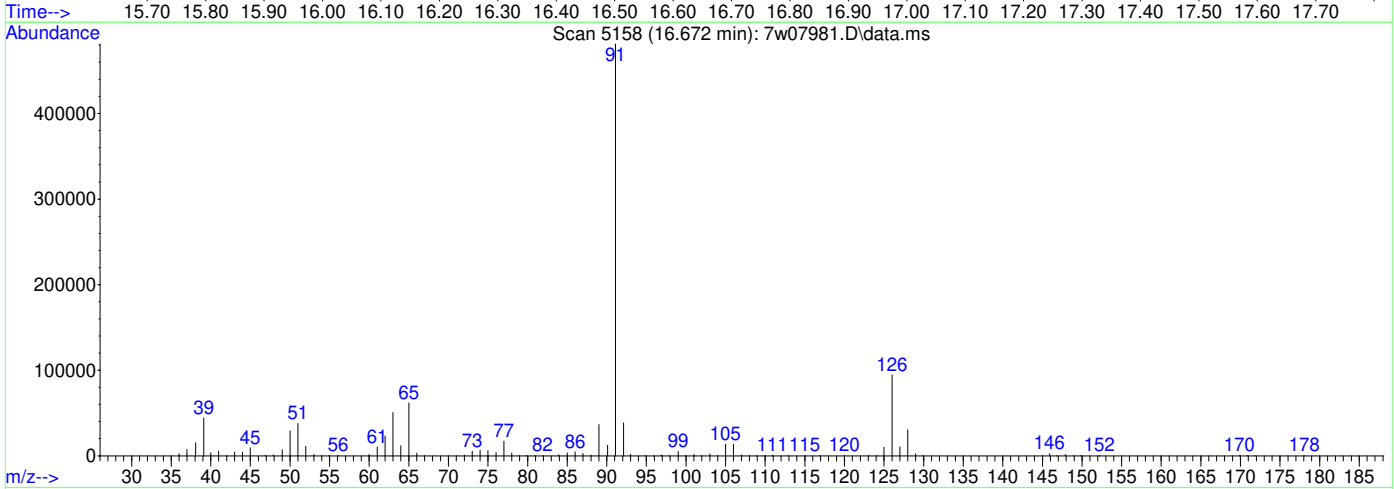
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzyl Chloride	100-44-7		16.67	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07981.D
Acq On : 19 Aug 2024 1:10 am
Operator : benk
Sample : ic305-20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 01:55:52 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 01:13:02 2024
Response via : Initial Calibration





TIC: 7w07981.D\data.ms

(97) BENZYL CHLORIDE (T)

16.672min (+0.003) 33.69PPBV

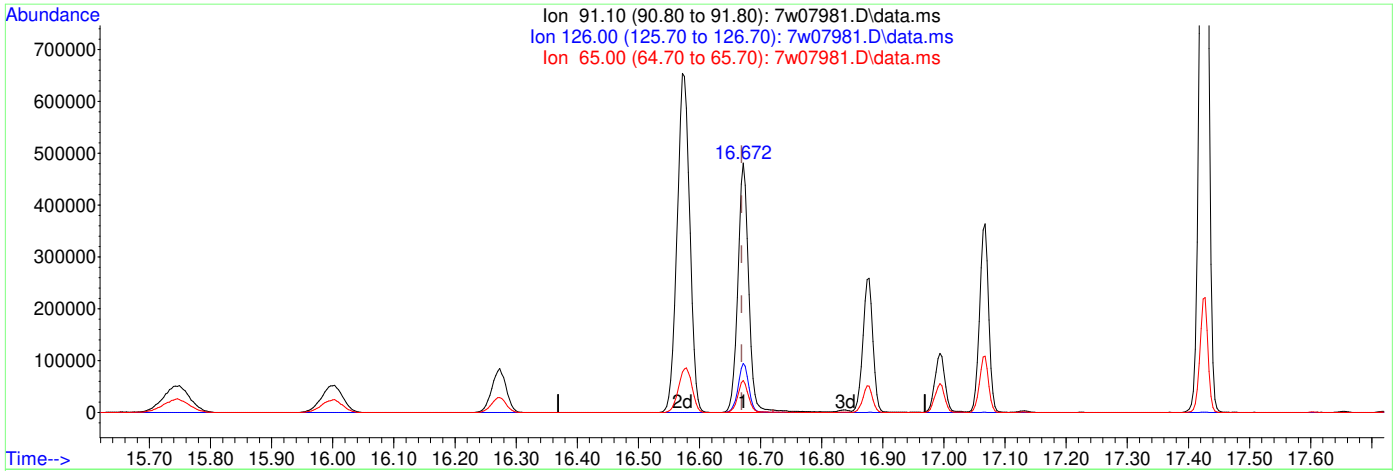
response 598744

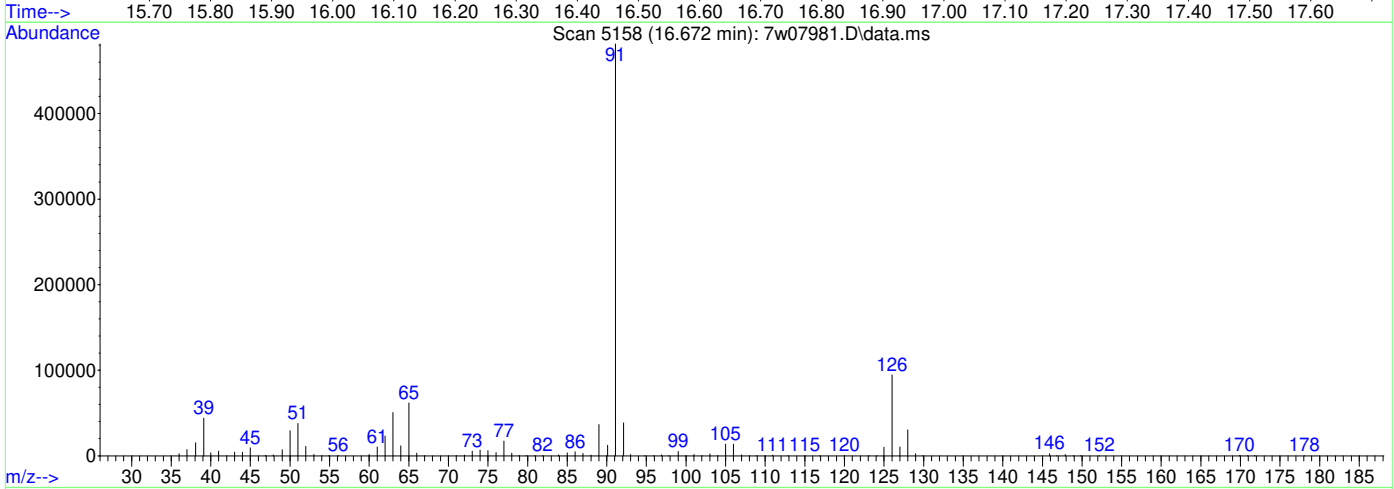
Ion	Exp%	Act%
91.10	100	100
126.00	19.60	19.41
65.00	13.50	12.91
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07981.D
Acq On : 19 Aug 2024 1:10 am
Operator : benk
Sample : ic305-20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 01:55:52 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 01:13:02 2024
Response via : Initial Calibration





TIC: 7w07981.D\data.ms

(97) BENZYL CHLORIDE (T)

16.672min (+0.003) 33.00PPBV m

response 586437

Ion	Exp%	Act%
91.10	100	100
126.00	19.60	19.82
65.00	13.50	13.18
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07982.D
Acq On : 19 Aug 2024 1:48 am
Operator : benk
Sample : ic305-40
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 03:03:06 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 03:01:24 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.267	128	77284	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.550	114	380992	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.129	117	341287	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.267	128	77286	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.482	95	254399	10.16	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.615	119	479498	49.08	PPBV		98
3) FREON 152A	1.647	65	225277	41.32	PPBV		99
4) CHLORODIFLUOROMETHANE	1.660	67	107855	41.41	PPBV		96
5) CHLOROTRIFLUOROETHENE	1.669	116	531168	42.36	PPBV		98
6) DICHLORODIFLUOROMETHANE	1.685	85	1365507	42.82	PPBV		99
7) PROPYLENE	1.669	41	307501	41.15	PPBV		98
8) 1-CHLORO-1,1-DIFLUOROE...	1.724	65	1126152	42.58	PPBV		99
9) FREON 114	1.759	85	1216958	44.90	PPBV		100
10) CHLOROMETHANE	1.730	52	155210	39.41	PPBV		100
11) VINYL CHLORIDE	1.792	62	503905	41.23	PPBV		98
12) 1,3-BUTADIENE	1.830	54	423360	41.02	PPBV		98
13) N-BUTANE	1.846	43	784812	43.23	PPBV		99
14) BROMOMETHANE	1.907	94	405186	41.45	PPBV		99
15) CHLOROETHANE	1.956	64	265590	41.21	PPBV		90
16) DICHLOROFLUOROMETHANE	1.981	67	1054144	44.46	PPBV		99
17) ACETONITRILE	2.052	41	444566	35.18	PPBV		100
18) ACROLEIN	2.091	56	244650	46.58	PPBV		99
19) FREON 123	2.103	83	1072484	42.46	PPBV		100
20) FREON 123A	2.123	117	648266	45.20	PPBV		100
21) TRICHLOROFLUOROMETHANE	2.187	101	1217843	43.41	PPBV		99
22) ISOPROPYL ALCOHOL	2.206	45	986924	35.57	PPBV		98
23) ACETONE	2.129	58	267712	27.52	PPBV		99
24) PENTANE	2.303	42	541283	39.96	PPBV		99
25) IODOMETHANE	2.364	142	1107350	45.77	PPBV		100
26) 1,1-DICHLOROETHYLENE	2.393	96	444048	42.54	PPBV		100
27) CARBON DISULFIDE	2.525	76	1380820	45.82	PPBV		97
28) ETHANOL	1.988	45	246600	22.56	PPBV		98
29) BROMOETHENE	2.058	106	411694	41.15	PPBV		99
30) ACRYLONITRILE	2.274	52	386593	39.48	PPBV		98
31) METHYLENE CHLORIDE	2.428	84	403498	36.21	PPBV		97
32) 3-CHLOROPROPENE	2.470	76	229000	43.65	PPBV		92
33) FREON 113	2.525	151	717158	44.48	PPBV		100
34) TRANS-1,2-DICHLOROETHENE	2.753	96	418606	39.92	PPBV		99
35) TERTIARY BUTYL ALCOHOL	2.409	59	988301	41.72	PPBV		97
36) METHYL TERTIARY BUTYL ...	2.862	73	1162668	45.46	PPBV		99
37) TETRAHYDROFURAN	3.550	72	216092	45.61	PPBV		99
38) HEXANE	3.322	57	909825	43.13	PPBV		99
39) VINYL ACETATE	2.901	86	112738	52.89	PPBV		93
40) 1,1-DICHLOROETHANE	2.830	63	811814	42.39	PPBV		100
41) METHYL ETHYL KETONE	2.997	72	229599	45.08	PPBV		100
42) CIS-1,2-DICHLOROETHENE	3.193	96	461447	43.14	PPBV		99
43) DIISOPROPYL ETHER	3.325	59	260000	46.49	PPBV		99
44) ETHYL ACETATE	3.332	61	186268	45.35	PPBV		99
45) METHYL ACRYLATE	3.319	55	1119785	47.57	PPBV	#	26
46) CHLOROFORM	3.345	83	964123	43.74	PPBV		100
47) 2,4-DIMETHYLPENTANE	3.836	57	1011033	45.64	PPBV		100
48) 1,1,1-TRICHLOROETHANE	3.917	97	934248	46.56	PPBV		97
49) CARBON TETRACHLORIDE	4.338	117	968917	48.27	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07982.D
Acq On : 19 Aug 2024 1:48 am
Operator : benk
Sample : ic305-40
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 03:03:06 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 03:01:24 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	3.753	62	733596	44.30	PPBV		100
51)	BENZENE	4.226	78	1385476	42.73	PPBV		100
53)	CYCLOHEXANE	4.434	84	603407	44.01	PPBV		100
54)	2,3-DIMETHYLPENTANE	4.692	71	320742	46.54	PPBV		100
55)	TRICHLOROETHENE	5.126	95	641066	43.93	PPBV		100
56)	1,2-DICHLOROPROPANE	4.891	63	574606	44.69	PPBV		99
57)	DIBROMOMETHANE	4.853	174	521107	42.96	PPBV		99
58)	ETHYL ACRYLATE	5.013	55	1339537	48.52	PPBV		100
59)	BROMODICHLOROMETHANE	5.074	83	1065741	47.59	PPBV		99
60)	2,2,4-TRIMETHYLPENTANE	5.222	57	2752474	44.22	PPBV		99
61)	1,4-DIOXANE	5.139	88	316234	41.72	PPBV	#	91
62)	HEPTANE	5.537	43	994256	45.09	PPBV		100
63)	METHYL METHACRYLATE	5.434	69	556132	46.84	PPBV		98
64)	METHYL ISOBUTYL KETONE	6.171	58	558762	39.99	PPBV		99
65)	CIS-1,3-DICHLOROPROPENE	6.061	75	875361	50.16	PPBV		98
66)	TOLUENE	7.270	91	1807715	45.02	PPBV		99
67)	1,3-DICHLOROPROPANE	7.328	76	913247	46.29	PPBV		99
68)	TRANS-1,3-DICHLOROPROPENE	6.743	75	743619	53.83	PPBV		96
69)	1,1,2-TRICHLOROETHANE	6.901	83	505262	45.59	PPBV		99
70)	2-HEXANONE	7.846	58	793923	38.66	PPBV		99
71)	ETHYL METHACRYLATE	7.975	69	944521	49.01	PPBV		99
72)	TETRACHLOROETHENE	8.997	164	632328	43.26	PPBV		100
73)	DIBROMOCHLOROMETHANE	7.804	129	1085341	51.12	PPBV		100
74)	1,2-DIBROMOETHANE	8.148	107	957340	48.14	PPBV		99
75)	OCTANE	9.148	43	1415805	43.08	PPBV		100
77)	1,1,1,2-TETRACHLOROETHANE	10.222	131	747842	50.62	PPBV		98
78)	CHLOROBENZENE	10.206	112	1519252	45.56	PPBV		99
79)	ETHYLBENZENE	11.090	91	2480888	44.56	PPBV		99
80)	M,P-XYLENE	11.524	91	3827571	90.65	PPBV		98
81)	O-XYLENE	12.453	91	1995478	46.04	PPBV		97
82)	STYRENE	12.241	104	1510779	47.29	PPBV		100
83)	NONANE	13.576	43	1529296	45.44	PPBV		99
84)	BROMOFORM	11.328	173	1015782	55.05	PPBV		100
85)	1,1,2,2-TETRACHLOROETHANE	12.466	83	1454357	47.64	PPBV		100
86)	1,2,3-TRICHLOROPROPANE	12.746	75	1111565	47.22	PPBV		100
88)	ISOPROPYLBENZENE	13.968	120	745304	45.82	PPBV		99
89)	BROMOBENZENE	13.833	77	1398331	46.31	PPBV		99
90)	2-CHLOROTOLUENE	14.965	126	671558	44.16	PPBV		99
91)	N-PROPYLBENZENE	15.305	120	787486	46.13	PPBV		100
92)	4-ETHYLTOLUENE	15.752	105	2903289	49.04	PPBV		100
93)	1,3,5-TRIMETHYLBENZENE	16.006	105	2452735	46.90	PPBV		100
94)	ALPHA-METHYLSTYRENE	16.276	118	1287592	49.03	PPBV		100
95)	TERT-BUTYLBENZENE	16.579	134	595730	48.09	PPBV		97
96)	1,2,4-TRIMETHYLBENZENE	16.588	105	2687686	49.67	PPBV		99
97)	BENZYL CHLORIDE	16.675	91	1577661	77.14	PPBV		99
98)	M-DICHLOROBENZENE	16.649	146	1650345	48.34	PPBV		100
99)	P-DICHLOROBENZENE	16.739	146	1699131	47.87	PPBV		100
100)	O-DICHLOROBENZENE	17.051	146	1624812	47.84	PPBV		99
101)	SEC-BUTYLBENZENE	16.878	134	741809	48.93	PPBV		99
102)	1,2,3-TRIMETHYLBENZENE	16.997	105	2571874	48.72	PPBV		99
103)	P-ISOPROPYLTOLUENE	17.067	134	821843	48.57	PPBV		98
104)	N-BUTYLBENZENE	17.431	134	861362	51.77	PPBV		99
105)	HEXACHLOROETHANE	17.608	117	1016583	64.36	PPBV		98
106)	HEXACHLOROBUTADIENE	18.659	225	1336000	52.86	PPBV		99
107)	1,2,4-TRICHLOROBENZENE	18.350	180	1756356	53.82	PPBV		99
108)	NAPHTHALENE	18.399	128	4403551	50.52	PPBV		100
110)	TVHC as equiv Pentane	2.303	TIC	2678485	35.13	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07982.D
Acq On : 19 Aug 2024 1:48 am
Operator : benk
Sample : ic305-40
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 03:03:06 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 03:01:24 2024
Response via : Initial Calibration

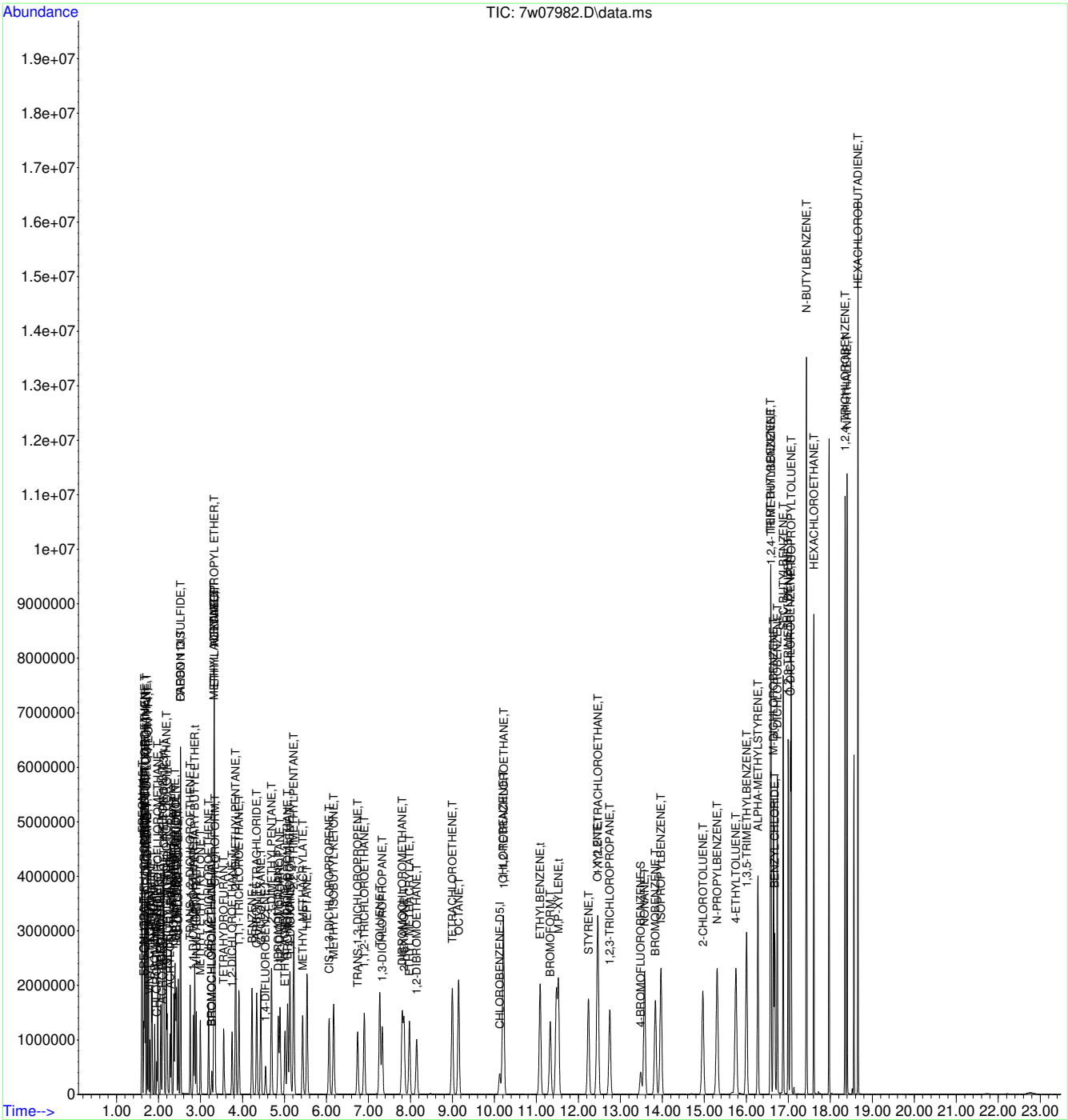
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07982.D
Acq On : 19 Aug 2024 1:48 am
Operator : benk
Sample : ic305-40
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 03:03:06 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 03:01:24 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07983.D
Acq On : 19 Aug 2024 2:28 am
Operator : benk
Sample : ic305-50
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 03:05:15 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 03:03:31 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.270	128	78494	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.550	114	389657	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.126	117	345790	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.270	128	78466	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.482	95	262126	10.33	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.615	119	245619	24.76	PPBV		99
3) FREON 152A	1.647	65	291677	52.67	PPBV		98
4) CHLORODIFLUOROMETHANE	1.660	67	141627	53.53	PPBV		95
5) CHLOROTRIFLUOROETHENE	1.669	116	690638	54.22	PPBV		96
6) DICHLORODIFLUOROMETHANE	1.689	85	1753161	54.12	PPBV		100
7) PROPYLENE	1.669	41	405362	53.41	PPBV		99
8) 1-CHLORO-1,1-DIFLUOROE...	1.724	65	1432344	53.33	PPBV		99
9) FREON 114	1.759	85	1558278	56.61	PPBV		100
10) CHLOROMETHANE	1.730	52	195627	48.91	PPBV		98
11) VINYL CHLORIDE	1.791	62	635465	51.19	PPBV		98
12) 1,3-BUTADIENE	1.833	54	540324	51.55	PPBV		98
13) N-BUTANE	1.846	43	998179	54.13	PPBV		99
14) BROMOMETHANE	1.907	94	514200	51.79	PPBV		99
15) CHLOROETHANE	1.955	64	333396	50.94	PPBV		90
16) DICHLOROFLUOROMETHANE	1.981	67	1339188	55.61	PPBV		99
17) ACETONITRILE	2.052	41	560405	43.66	PPBV		100
18) ACROLEIN	2.090	56	312569	58.59	PPBV		100
19) FREON 123	2.103	83	1374797	53.58	PPBV		100
20) FREON 123A	2.123	117	825932	56.70	PPBV		100
21) TRICHLOROFLUOROMETHANE	2.187	101	1536852	53.94	PPBV		99
22) ISOPROPYL ALCOHOL	2.206	45	1276024	45.28	PPBV		98
23) ACETONE	2.129	58	337983	34.21	PPBV		99
24) PENTANE	2.303	42	687480	49.97	PPBV		100
25) IODOMETHANE	2.364	142	1405240	57.19	PPBV		100
26) 1,1-DICHLOROETHYLENE	2.393	96	566307	53.41	PPBV		99
27) CARBON DISULFIDE	2.525	76	1762887	57.59	PPBV		96
28) ETHANOL	1.988	45	321155	35.32	PPBV		99
29) BROMOETHENE	2.058	106	524513	51.62	PPBV		99
30) ACRYLONITRILE	2.274	52	490384	49.31	PPBV		99
31) METHYLENE CHLORIDE	2.428	84	515055	45.51	PPBV		96
32) 3-CHLOROPROPENE	2.470	76	294143	55.20	PPBV		90
33) FREON 113	2.525	151	913434	55.78	PPBV		100
34) TRANS-1,2-DICHLOROETHENE	2.753	96	535169	50.25	PPBV		98
35) TERTIARY BUTYL ALCOHOL	2.409	59	1298839	53.98	PPBV		95
36) METHYL TERTIARY BUTYL ...	2.862	73	1507766	58.04	PPBV		100
37) TETRAHYDROFURAN	3.550	72	274817	57.11	PPBV		98
38) HEXANE	3.322	57	1158103	54.06	PPBV		99
39) VINYL ACETATE	2.901	86	146094	67.49	PPBV		93
40) 1,1-DICHLOROETHANE	2.830	63	1030008	52.95	PPBV		100
41) METHYL ETHYL KETONE	2.997	72	294713	56.98	PPBV		97
42) CIS-1,2-DICHLOROETHENE	3.193	96	589563	54.27	PPBV		99
43) DIISOPROPYL ETHER	3.328	59	332704	58.58	PPBV		98
44) ETHYL ACETATE	3.332	61	237324	56.89	PPBV		100
45) METHYL ACRYLATE	3.319	55	1426991	59.69	PPBV	#	26
46) CHLOROFORM	3.348	83	1214394	54.25	PPBV		100
47) 2,4-DIMETHYLPENTANE	3.836	57	1280289	56.90	PPBV		100
48) 1,1,1-TRICHLOROETHANE	3.917	97	1200423	58.91	PPBV		96
49) CARBON TETRACHLORIDE	4.338	117	1255040	61.56	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07983.D
Acq On : 19 Aug 2024 2:28 am
Operator : benk
Sample : ic305-50
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 03:05:15 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 03:03:31 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	3.753	62	933342	55.50	PPBV		100
51)	BENZENE	4.229	78	1758391	53.39	PPBV		100
53)	CYCLOHEXANE	4.434	84	764340	54.51	PPBV		99
54)	2,3-DIMETHYLPENTANE	4.692	71	410142	58.19	PPBV		99
55)	TRICHLOROETHENE	5.129	95	820753	55.00	PPBV		100
56)	1,2-DICHLOROPROPANE	4.894	63	728144	55.37	PPBV		100
57)	DIBROMOMETHANE	4.856	174	664737	53.59	PPBV		100
58)	ETHYL ACRYLATE	5.013	55	1729659	61.26	PPBV		99
59)	BROMODICHLOROMETHANE	5.074	83	1366362	59.66	PPBV		99
60)	2,2,4-TRIMETHYLPENTANE	5.222	57	3472389	54.54	PPBV		99
61)	1,4-DIOXANE	5.135	88	411014	53.01	PPBV	#	91
62)	HEPTANE	5.540	43	1257625	55.77	PPBV		100
63)	METHYL METHACRYLATE	5.434	69	710742	58.53	PPBV		98
64)	METHYL ISOBUTYL KETONE	6.171	58	700033	48.98	PPBV		100
65)	CIS-1,3-DICHLOROPROPENE	6.065	75	1127356	63.16	PPBV		97
66)	TOLUENE	7.270	91	2289185	55.74	PPBV		100
67)	1,3-DICHLOROPROPANE	7.331	76	1142857	56.64	PPBV		99
68)	TRANS-1,3-DICHLOROPROPENE	6.743	75	969360	68.61	PPBV		96
69)	1,1,2-TRICHLOROETHANE	6.901	83	643667	56.79	PPBV		100
70)	2-HEXANONE	7.849	58	988014	47.05	PPBV		100
71)	ETHYL METHACRYLATE	7.978	69	1193687	60.56	PPBV		99
72)	TETRACHLOROETHENE	9.000	164	805208	53.86	PPBV		99
73)	DIBROMOCHLOROMETHANE	7.804	129	1392250	64.12	PPBV		100
74)	1,2-DIBROMOETHANE	8.151	107	1218207	59.90	PPBV		99
75)	OCTANE	9.151	43	1775513	52.82	PPBV		100
77)	1,1,1,2-TETRACHLOROETHANE	10.222	131	958162	64.01	PPBV		98
78)	CHLOROBENZENE	10.209	112	1916033	56.71	PPBV		99
79)	ETHYLBENZENE	11.090	91	3150833	55.86	PPBV		100
80)	M,P-XYLENE	11.524	91	4833704	112.99	PPBV		98
81)	O-XYLENE	12.457	91	2534915	57.72	PPBV		97
82)	STYRENE	12.241	104	1921279	59.36	PPBV		99
83)	NONANE	13.579	43	1935888	56.77	PPBV		99
84)	BROMOFORM	11.331	173	1314897	70.33	PPBV		100
85)	1,1,2,2-TETRACHLOROETHANE	12.473	83	1856029	60.00	PPBV		100
86)	1,2,3-TRICHLOROPROPANE	12.752	75	1408047	59.04	PPBV		100
88)	ISOPROPYLBENZENE	13.971	120	945561	57.37	PPBV		99
89)	BROMOBENZENE	13.836	77	1768536	57.81	PPBV		99
90)	2-CHLOROTOLUENE	14.968	126	853495	55.39	PPBV		99
91)	N-PROPYLBENZENE	15.305	120	1005505	58.13	PPBV		100
92)	4-ETHYLTOLUENE	15.756	105	3707934	61.82	PPBV		100
93)	1,3,5-TRIMETHYLBENZENE	16.010	105	3135087	59.17	PPBV		100
94)	ALPHA-METHYLSTYRENE	16.280	118	1653911	62.16	PPBV		99
95)	TERT-BUTYLBENZENE	16.579	134	766074	61.04	PPBV		98
96)	1,2,4-TRIMETHYLBENZENE	16.591	105	3471175	63.31	PPBV		99
97)	BENZYL CHLORIDE	16.678	91	2221433	107.20	PPBV		99
98)	M-DICHLOROBENZENE	16.649	146	2136121	61.75	PPBV		100
99)	P-DICHLOROBENZENE	16.739	146	2201660	61.23	PPBV		100
100)	O-DICHLOROBENZENE	17.051	146	2121120	61.64	PPBV		99
101)	SEC-BUTYLBENZENE	16.881	134	961231	62.57	PPBV		99
102)	1,2,3-TRIMETHYLBENZENE	17.000	105	3311109	61.90	PPBV		100
103)	P-ISOPROPYLTOLUENE	17.071	134	1069730	62.40	PPBV		99
104)	N-BUTYLBENZENE	17.431	134	1119830	66.42	PPBV		100
105)	HEXACHLOROETHANE	17.608	117	1352760	84.53	PPBV		99
106)	HEXACHLOROBUTADIENE	18.662	225	1795989	70.14	PPBV		99
107)	1,2,4-TRICHLOROBENZENE	18.353	180	2392266	72.35	PPBV		99
108)	NAPHTHALENE	18.402	128	6097099	69.04	PPBV		99
110)	TVHC as equiv Pentane	2.303	TIC	3373992	43.59	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07983.D
Acq On : 19 Aug 2024 2:28 am
Operator : benk
Sample : ic305-50
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 03:05:15 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 03:03:31 2024
Response via : Initial Calibration

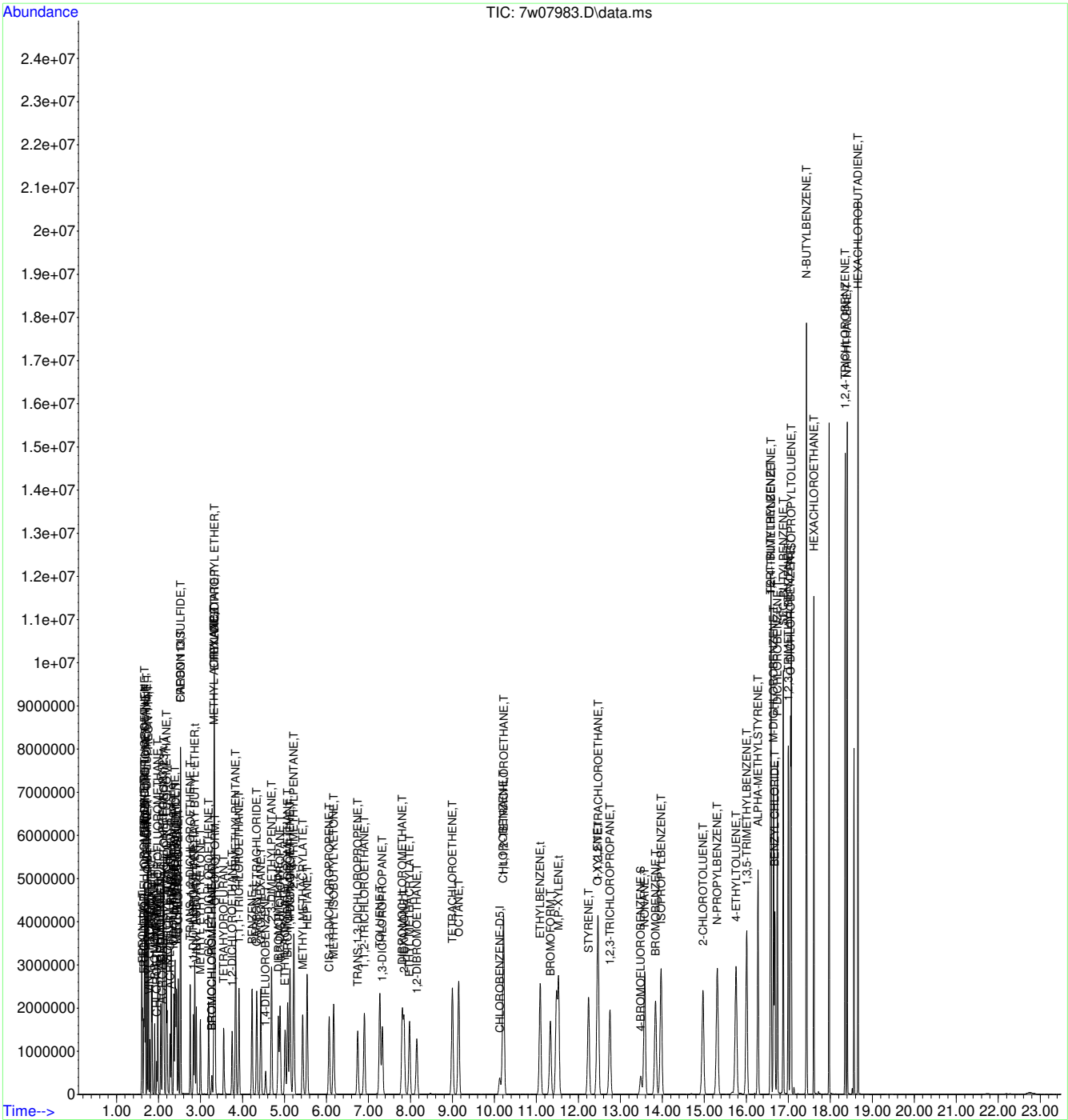
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07983.D
Acq On : 19 Aug 2024 2:28 am
Operator : benk
Sample : ic305-50
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 03:05:15 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 03:03:31 2024
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07990.D
Acq On : 19 Aug 2024 6:28 am
Operator : benk
Sample : icv305-10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 29 00:15:05 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.267	128	76227	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.547	114	379483	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.122	117	340309	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.267	128	76227	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.479	95	247947	9.93	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.614	119	109240	11.17	PPBV		99
3) FREON 152A	1.647	65	53753	10.19	PPBV		99
4) CHLORODIFLUOROMETHANE	1.656	67	25133	9.88	PPBV		97
5) CHLOROTRIFLUOROETHENE	1.669	116	122894	9.94	PPBV		96
6) DICHLORODIFLUOROMETHANE	1.685	85	332419	10.88	PPBV		100
7) PROPYLENE	1.669	41	70144	9.60	PPBV		99
8) 1-CHLORO-1,1-DIFLUOROE...	1.724	65	281408	11.00	PPBV		100
9) FREON 114	1.759	85	300241	11.55	PPBV		100
10) CHLOROMETHANE	1.730	52	38535	9.73	PPBV		99
11) VINYL CHLORIDE	1.791	62	125485	10.31	PPBV		98
12) 1,3-BUTADIENE	1.830	54	103362	10.44	PPBV		99
13) N-BUTANE	1.846	43	192783	10.67	PPBV		100
14) BROMOMETHANE	1.907	94	101749	10.45	PPBV		99
15) CHLOROETHANE	1.955	64	65638	10.53	PPBV		92
16) DICHLOROFLUOROMETHANE	1.981	67	265986	11.16	PPBV		99
17) ACETONITRILE	2.052	41	112948	9.54	PPBV		99
18) ACROLEIN	2.090	56	60791	10.23	PPBV		98
19) FREON 123	2.103	83	252173	10.42	PPBV		99
20) FREON 123A	2.119	117	145517	10.48	PPBV		99
21) TRICHLOROFLUOROMETHANE	2.187	101	303115	11.06	PPBV		100
22) ISOPROPYL ALCOHOL	2.212	45	271631	10.52	PPBV		99
23) ACETONE	2.132	58	65635	9.33	PPBV		98
24) PENTANE	2.303	42	132878	10.13	PPBV		99
25) IODOMETHANE	2.364	142	277095	11.72	PPBV		99
26) 1,1-DICHLOROETHYLENE	2.393	96	113020	11.08	PPBV		97
27) CARBON DISULFIDE	2.524	76	349631	11.76	PPBV		100
28) ETHANOL	1.991	45	58992	8.36	PPBV		99
29) BROMOETHENE	2.058	106	103369	11.10	PPBV		99
30) ACRYLONITRILE	2.274	52	96396	10.07	PPBV		99
31) METHYLENE CHLORIDE	2.428	84	104108	9.92	PPBV		96
32) 3-CHLOROPROPENE	2.470	76	56363	10.49	PPBV		93
33) FREON 113	2.524	151	183367	11.42	PPBV		99
34) TRANS-1,2-DICHLOROETHENE	2.753	96	107278	10.78	PPBV		100
35) TERTIARY BUTYL ALCOHOL	2.418	59	294471	11.88	PPBV		97
36) METHYL TERTIARY BUTYL ...	2.865	73	273981	10.96	PPBV		100
37) TETRAHYDROFURAN	3.556	72	51249	10.76	PPBV		97
38) HEXANE	3.319	57	196473	9.44	PPBV		100
39) VINYL ACETATE	2.901	86	25222	11.09	PPBV		87
40) 1,1-DICHLOROETHANE	2.827	63	191878	10.35	PPBV		100
41) METHYL ETHYL KETONE	2.997	72	52375	10.33	PPBV		99
42) CIS-1,2-DICHLOROETHENE	3.190	96	109602	10.39	PPBV		97
43) DIISOPROPYL ETHER	3.325	59	57566	10.63	PPBV		93
44) ETHYL ACETATE	3.328	61	39996	10.06	PPBV		99
45) METHYL ACRYLATE	3.315	55	245056	10.75	PPBV	#	26
46) CHLOROFORM	3.341	83	229319	10.75	PPBV		99
47) 2,4-DIMETHYLPENTANE	3.833	57	225377	10.13	PPBV		99
48) 1,1,1-TRICHLOROETHANE	3.910	97	204733	10.54	PPBV		97
49) CARBON TETRACHLORIDE	4.335	117	200635	10.52	PPBV		99

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07990.D
Acq On : 19 Aug 2024 6:28 am
Operator : benk
Sample : icv305-10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 29 00:15:05 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	3.749	62	169201	10.46	PPBV		99
51)	BENZENE	4.222	78	316278	10.07	PPBV		99
53)	CYCLOHEXANE	4.431	84	138874	10.36	PPBV		99
54)	2,3-DIMETHYLPENTANE	4.688	71	73542	10.71	PPBV		98
55)	TRICHLOROETHENE	5.122	95	147930	10.18	PPBV		99
56)	1,2-DICHLOROPROPANE	4.888	63	132436	10.24	PPBV		100
57)	DIBROMOMETHANE	4.849	174	125660	10.30	PPBV		99
58)	ETHYL ACRYLATE	5.010	55	296975	10.70	PPBV		99
59)	BROMODICHLOROMETHANE	5.068	83	239481	10.74	PPBV		100
60)	2,2,4-TRIMETHYLPENTANE	5.216	57	618959	10.08	PPBV		99
61)	1,4-DIOXANE	5.151	88	78243	9.84	PPBV	#	98
62)	HEPTANE	5.534	43	215703	10.00	PPBV		98
63)	METHYL METHACRYLATE	5.431	69	124844	10.75	PPBV		99
64)	METHYL ISOBUTYL KETONE	6.174	58	128395	9.67	PPBV		98
65)	CIS-1,3-DICHLOROPROPENE	6.058	75	172676	10.42	PPBV		98
66)	TOLUENE	7.264	91	409854	10.15	PPBV		99
67)	1,3-DICHLOROPROPANE	7.322	76	206984	10.43	PPBV		100
68)	TRANS-1,3-DICHLOROPROPENE	6.733	75	141799	10.43	PPBV		98
69)	1,1,2-TRICHLOROETHANE	6.894	83	119463	10.82	PPBV		99
70)	2-HEXANONE	7.852	58	184918	9.13	PPBV		100
71)	ETHYL METHACRYLATE	7.971	69	210624	10.97	PPBV		98
72)	TETRACHLOROETHENE	8.990	164	146582	10.16	PPBV		100
73)	DIBROMOCHLOROMETHANE	7.794	129	231313	10.94	PPBV		99
74)	1,2-DIBROMOETHANE	8.138	107	217379	11.18	PPBV		99
75)	OCTANE	9.141	43	307968	9.49	PPBV		98
77)	1,1,1,2-TETRACHLOROETHANE	10.212	131	157549	10.79	PPBV		99
78)	CHLOROBENZENE	10.199	112	345685	10.49	PPBV		99
79)	ETHYLBENZENE	11.080	91	562286	10.41	PPBV		99
80)	M,P-XYLENE	11.511	91	869508	20.39	PPBV		99
81)	O-XYLENE	12.440	91	442080	10.32	PPBV		97
82)	STYRENE	12.228	104	333475	10.76	PPBV		100
83)	NONANE	13.563	43	334870	9.89	PPBV		98
84)	BROMOFORM	11.315	173	199478	10.77	PPBV		99
85)	1,1,2,2-TETRACHLOROETHANE	12.456	83	324727	10.77	PPBV		99
86)	1,2,3-TRICHLOROPROPANE	12.736	75	250625	10.29	PPBV		100
88)	ISOPROPYLBENZENE	13.958	120	169216	10.43	PPBV		100
89)	BROMOBENZENE	13.820	77	313692	10.22	PPBV		99
90)	2-CHLOROTOLUENE	14.955	126	154799	10.41	PPBV		99
91)	N-PROPYLBENZENE	15.292	120	176747	10.58	PPBV		99
92)	4-ETHYLTOLUENE	15.742	105	631445	10.68	PPBV		100
93)	1,3,5-TRIMETHYLBENZENE	15.996	105	529517	10.64	PPBV		100
94)	ALPHA-METHYLSTYRENE	16.270	118	285116	10.78	PPBV		99
95)	TERT-BUTYLBENZENE	16.569	134	128929	10.83	PPBV		100
96)	1,2,4-TRIMETHYLBENZENE	16.578	105	562226	10.81	PPBV		99
97)	BENZYL CHLORIDE	16.668	91	224329	14.83	PPBV		100
98)	M-DICHLOROBENZENE	16.643	146	357907	10.31	PPBV		99
99)	P-DICHLOROBENZENE	16.730	146	364848	10.60	PPBV		100
100)	O-DICHLOROBENZENE	17.045	146	347951	10.47	PPBV		99
101)	SEC-BUTYLBENZENE	16.874	134	164754	11.00	PPBV		96
102)	1,2,3-TRIMETHYLBENZENE	16.993	105	547996	10.41	PPBV		99
103)	P-ISOPROPYLTOLUENE	17.064	134	181395	10.85	PPBV		99
104)	N-BUTYLBENZENE	17.427	134	180029	10.85	PPBV		97
105)	HEXACHLOROETHANE	17.604	117	174155	10.82	PPBV		100
106)	HEXACHLOROBUTADIENE	18.659	225	264758	10.60	PPBV		99
107)	1,2,4-TRICHLOROBENZENE	18.347	180	344052	10.34	PPBV		99
108)	NAPHTHALENE	18.395	128	945806	10.88	PPBV		100
110)	TVHC as equiv Pentane	2.303	TIC	662374	10.01	PPBV		100

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07990.D
Acq On : 19 Aug 2024 6:28 am
Operator : benk
Sample : icv305-10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 29 00:15:05 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

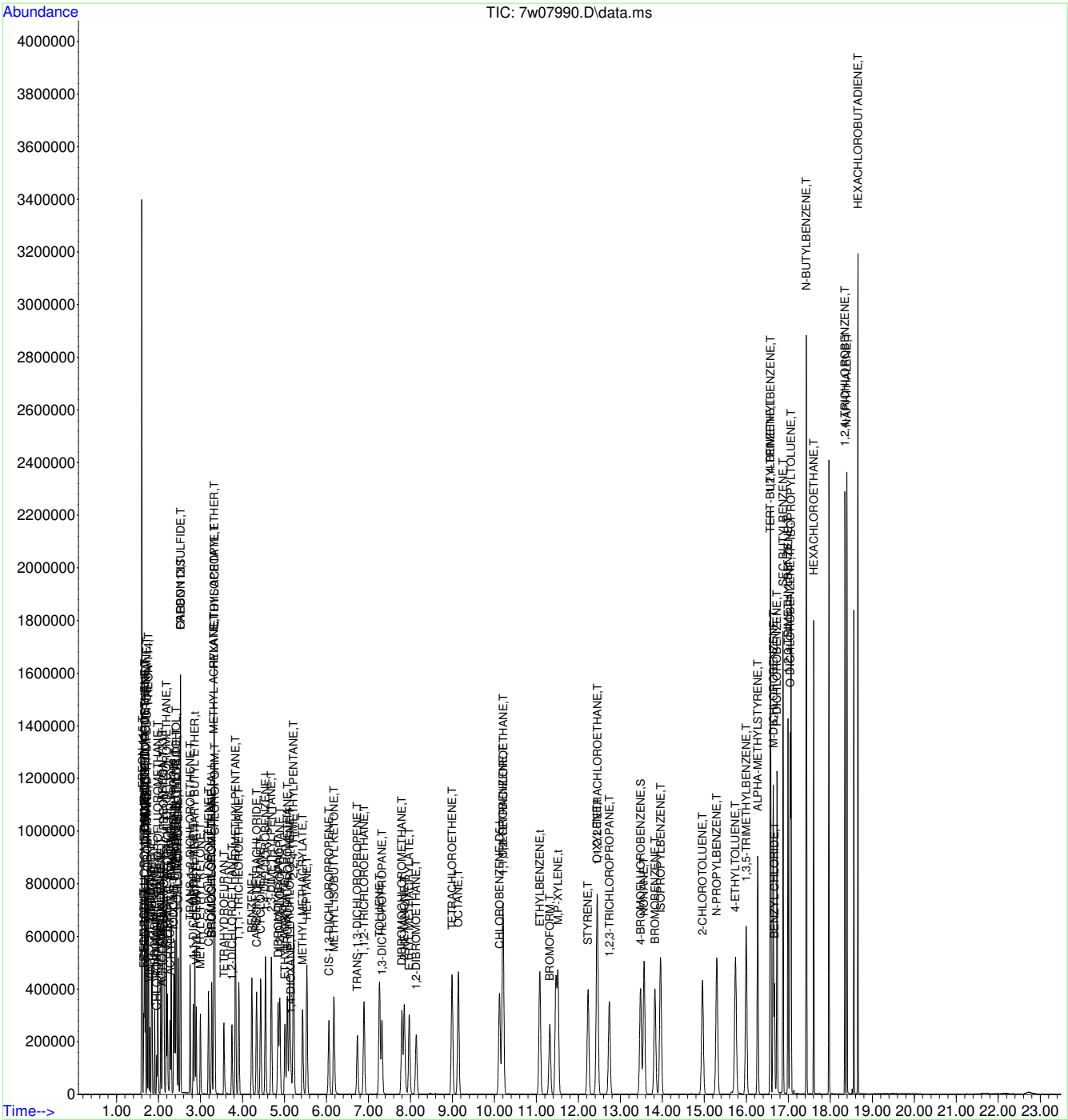
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07990.D
Acq On : 19 Aug 2024 6:28 am
Operator : benk
Sample : icv305-10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 29 00:15:05 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 11/07/24 12:01

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\07 November 2024\v7w379\
Data File : 7w10299.d
Acq On : 6 Nov 2024 9:06 am
Operator : thomash
Sample : cc305-10 Inst : MS7W
Misc : MS86666,v7w379,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 07 00:58:50 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.274	128	56421	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.553	114	285763	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.125	117	259568	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.274	128	56423	10.00	PPBV	0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.479	95	184899	9.71	PPBV	0.00
Target Compounds						Qvalue
2) FREON 115	1.621	119	100124	13.8372	PPBV	93
3) FREON 152A	1.650	65	55712	14.2628	PPBV	89
4) CHLORODIFLUOROMETHANE	1.663	67	21862	11.6061	PPBV	97
5) CHLOROTRIFLUOROETHENE	1.676	116	112044	12.2385	PPBV	74
6) DICHLORODIFLUOROMETHANE	1.692	85	235291	10.3999	PPBV	98
7) PROPYLENE	1.672	41	73837	13.6590	PPBV	98
8) 1-CHLORO-1,1-DIFLUOROE...	1.730	65	169739	8.9608	PPBV	96
9) FREON 114	1.766	85	198329	10.3053	PPBV	99
10) CHLOROMETHANE	1.733	52	29097	9.9294	PPBV	99
11) VINYL CHLORIDE	1.798	62	96918	10.7570	PPBV	99
12) 1,3-BUTADIENE	1.836	54	82434	11.2538	PPBV	90
13) N-BUTANE	1.852	43	149935	11.2084	PPBV	100
14) BROMOMETHANE	1.913	94	69567	9.6559	PPBV	100
15) CHLOROETHANE	1.962	64	50753	10.9989	PPBV	90
16) DICHLOROFLUOROMETHANE	1.987	67	181883	10.3135	PPBV	98
17) ACETONITRILE	2.058	41	91219	10.4140	PPBV	97
18) ACROLEIN	2.097	56	46963	10.6793	PPBV	99
19) FREON 123	2.110	83	182053	10.1591	PPBV	98
20) FREON 123A	2.129	117	105234	10.2373	PPBV	92
21) TRICHLOROFLUOROMETHANE	2.193	101	192167	9.4717	PPBV	98
22) ISOPROPYL ALCOHOL	2.219	45	197183	10.3184	PPBV	97
23) ACETONE	2.139	58	53576	10.2875	PPBV	77
24) PENTANE	2.309	42	111572	11.4939	PPBV	92
25) IODOMETHANE	2.370	142	173683	9.9243	PPBV	95
26) 1,1-DICHLOROETHYLENE	2.399	96	74076	9.8118	PPBV	96
27) CARBON DISULFIDE	2.534	76	206166m	9.3704	PPBV	
28) ETHANOL	1.997	45	52931	10.1372	PPBV	98
29) BROMOETHENE	2.065	106	69659	10.1100	PPBV	98
30) ACRYLONITRILE	2.280	52	75288	10.6290	PPBV	98
31) METHYLENE CHLORIDE	2.434	84	67928	8.7421	PPBV	97
32) 3-CHLOROPROPENE	2.476	76	36609	9.2074	PPBV	91
33) FREON 113	2.531	151	106682	8.9789	PPBV	99
34) TRANS-1,2-DICHLOROETHENE	2.759	96	80950	10.9941	PPBV	91
35) TERTIARY BUTYL ALCOHOL	2.421	59	169118	9.2197	PPBV	94
36) METHYL TERTIARY BUTYL ...	2.872	73	222061	12.0039	PPBV	98
37) TETRAHYDROFURAN	3.560	72	43478	12.3343	PPBV	98
38) HEXANE	3.325	57	181268	11.7716	PPBV	91
39) VINYL ACETATE	2.907	86	19409	11.5253	PPBV	94
40) 1,1-DICHLOROETHANE	2.836	63	175702	12.8058	PPBV	99
41) METHYL ETHYL KETONE	3.003	72	46518	12.3966	PPBV	100
42) CIS-1,2-DICHLOROETHENE	3.196	96	89135	11.4149	PPBV	96
43) DIISOPROPYL ETHER	3.331	59	50302	12.5540	PPBV	93
44) ETHYL ACETATE	3.335	61	36630	12.4472	PPBV	83
45) METHYL ACRYLATE	3.322	55	211461	12.5371	PPBV #	26
46) CHLOROFORM	3.348	83	171932	10.8870	PPBV	96
47) 2,4-DIMETHYLPENTANE	3.839	57	210425	12.7746	PPBV	97
48) 1,1,1-TRICHLOROETHANE	3.920	97	163338	11.3619	PPBV	98
49) CARBON TETRACHLORIDE	4.341	117	167982	11.9040	PPBV	98

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\07 November 2024\v7w379\
Data File : 7w10299.d
Acq On : 6 Nov 2024 9:06 am
Operator : thomash
Sample : cc305-10 Inst : MS7W
Misc : MS86666,v7w379,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 07 00:58:50 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	3.756	62	132041	11.0243	PPBV		100
51)	BENZENE	4.228	78	272344	11.7181	PPBV		98
53)	CYCLOHEXANE	4.437	84	117361	11.6279	PPBV		90
54)	2,3-DIMETHYLPENTANE	4.695	71	64248	12.4302	PPBV		93
55)	TRICHLOROETHENE	5.126	95	115814	10.5818	PPBV		99
56)	1,2-DICHLOROPROPANE	4.894	63	119882	12.3128	PPBV		94
57)	DIBROMOMETHANE	4.855	174	95087	10.3535	PPBV		98
58)	ETHYL ACRYLATE	5.013	55	257531	12.3212	PPBV		99
59)	BROMODICHLOROMETHANE	5.074	83	188291	11.2107	PPBV		99
60)	2,2,4-TRIMETHYLPENTANE	5.219	57	571538	12.3561	PPBV		98
61)	1,4-DIOXANE	5.151	88	66009	11.0198	PPBV	#	93
62)	HEPTANE	5.540	43	198975	12.2536	PPBV		97
63)	METHYL METHACRYLATE	5.434	69	104851	11.9943	PPBV		99
64)	METHYL ISOBUTYL KETONE	6.174	58	111716	11.1759	PPBV		92
65)	CIS-1,3-DICHLOROPROPENE	6.064	75	156193	12.5177	PPBV		89
66)	TOLUENE	7.267	91	325223	10.6965	PPBV		100
67)	1,3-DICHLOROPROPANE	7.328	76	165758	11.0964	PPBV		100
68)	TRANS-1,3-DICHLOROPROPENE	6.736	75	126984	12.4063	PPBV		88
69)	1,1,2-TRICHLOROETHANE	6.897	83	96409	11.5979	PPBV		97
70)	2-HEXANONE	7.846	58	158240	10.3722	PPBV		90
71)	ETHYL METHACRYLATE	7.971	69	172215	11.9128	PPBV		97
72)	TETRACHLOROETHENE	8.994	164	117207	10.7888	PPBV		98
73)	DIBROMOCHLOROMETHANE	7.801	129	179418	11.2670	PPBV		100
74)	1,2-DIBROMOETHANE	8.142	107	169616	11.5826	PPBV		99
75)	OCTANE	9.145	43	274605	11.2423	PPBV		97
77)	1,1,1,2-TETRACHLOROETHANE	10.212	131	129031	11.5907	PPBV		95
78)	CHLOROBENZENE	10.196	112	255851	10.1826	PPBV		98
79)	ETHYLBENZENE	11.084	91	429749	10.4340	PPBV		98
80)	M,P-XYLENE	11.508	91	654633	20.1217	PPBV		98
81)	O-XYLENE	12.444	91	333446	10.2086	PPBV		99
82)	STYRENE	12.228	104	257714	10.9050	PPBV		98
83)	NONANE	13.566	43	282705	10.9440	PPBV		96
84)	BROMOFORM	11.321	173	161588	11.4399	PPBV		98
85)	1,1,2,2-TETRACHLOROETHANE	12.456	83	248104	10.7840	PPBV		98
86)	1,2,3-TRICHLOROPROPANE	12.739	75	191108	10.2861	PPBV		100
88)	ISOPROPYLBENZENE	13.952	120	123374	9.9721	PPBV		98
89)	BROMOBENZENE	13.826	77	233399	9.9720	PPBV		99
90)	2-CHLOROTOLUENE	14.958	126	110228	9.7186	PPBV		98
91)	N-PROPYLBENZENE	15.299	120	130000	10.2046	PPBV		100
92)	4-ETHYLTOLUENE	15.739	105	475625	10.5451	PPBV		99
93)	1,3,5-TRIMETHYLBENZENE	15.996	105	389078	10.2523	PPBV		99
94)	ALPHA-METHYLSTYRENE	16.273	118	198231	9.8303	PPBV		99
95)	TERT-BUTYLBENZENE	16.569	134	91930	10.1265	PPBV		98
96)	1,2,4-TRIMETHYLBENZENE	16.578	105	400865	10.1079	PPBV		100
97)	BENZYL CHLORIDE	16.669	91	222140	19.2486	PPBV		98
98)	M-DICHLOROBENZENE	16.640	146	259519	9.8055	PPBV		97
99)	P-DICHLOROBENZENE	16.730	146	264118	10.0614	PPBV		98
100)	O-DICHLOROBENZENE	17.045	146	248200	9.7924	PPBV		97
101)	SEC-BUTYLBENZENE	16.874	134	115912	10.1449	PPBV		97
102)	1,2,3-TRIMETHYLBENZENE	16.993	105	383715	9.5567	PPBV		100
103)	P-ISOPROPYLTOLUENE	17.064	134	126171	9.8962	PPBV		95
104)	N-BUTYLBENZENE	17.424	134	126042	9.9596	PPBV		95
105)	HEXACHLOROETHANE	17.604	117	145616	11.8562	PPBV		97
106)	HEXACHLOROBUTADIENE	18.659	225	197307	10.3609	PPBV		99
107)	1,2,4-TRICHLOROBENZENE	18.347	180	247373	9.7497	PPBV		100
108)	NAPHTHALENE	18.395	128	572303	8.6335	PPBV		100
110)	TVHC as equiv Pentane	2.309	TIC	512844	10.4722	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\07 November 2024\v7w379\
Data File : 7w10299.d
Acq On : 6 Nov 2024 9:06 am
Operator : thomash
Sample : cc305-10 Inst : MS7W
Misc : MS86666,v7w379,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 07 00:58:50 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

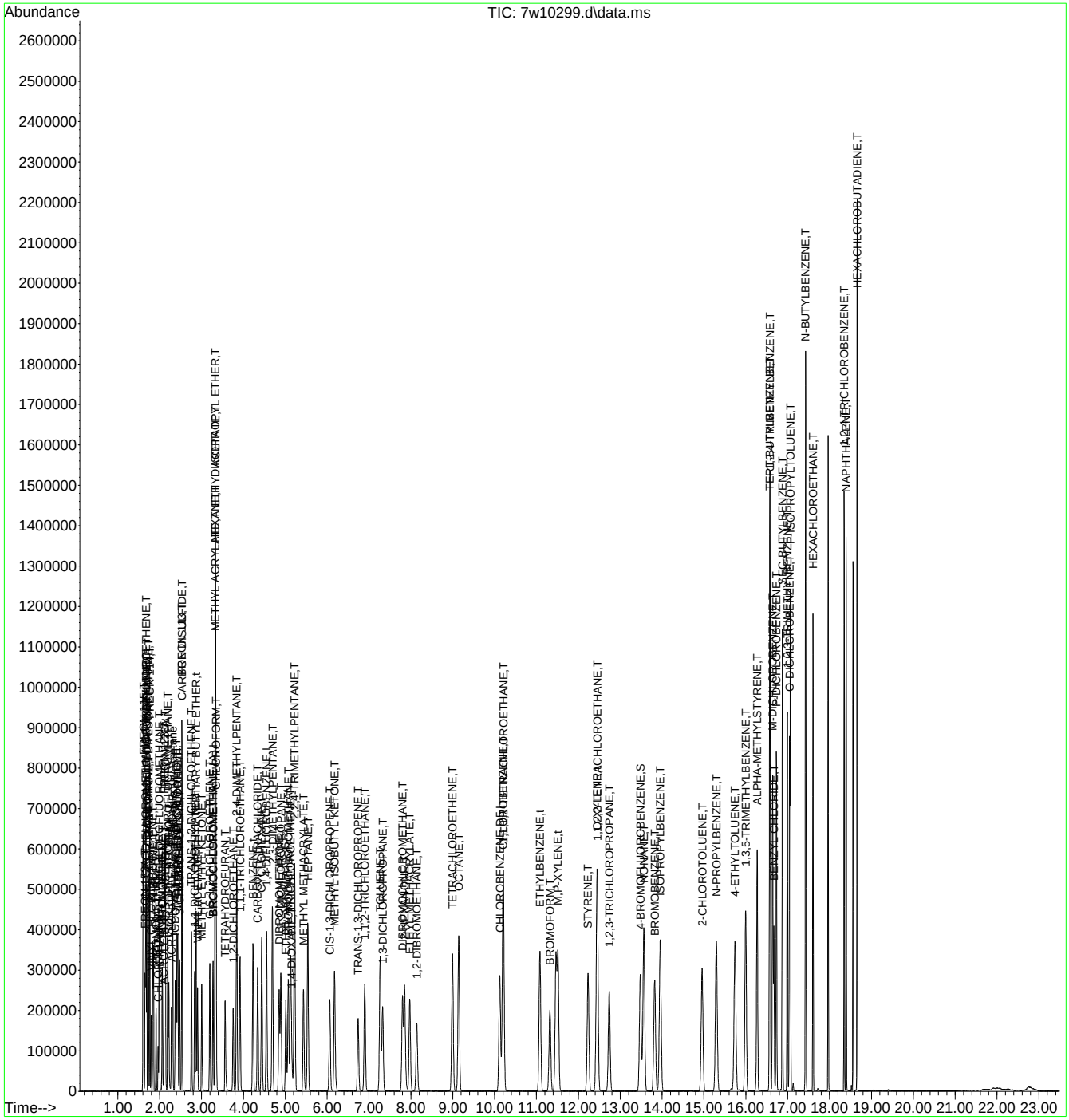
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\07 November 2024\v7w379\
Data File : 7w10299.d
Acq On : 6 Nov 2024 9:06 am
Operator : thomash
Sample : cc305-10 Inst : MS7W
Misc : MS86666,v7w379,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 07 00:58:50 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



Manual Integration Approval Summary

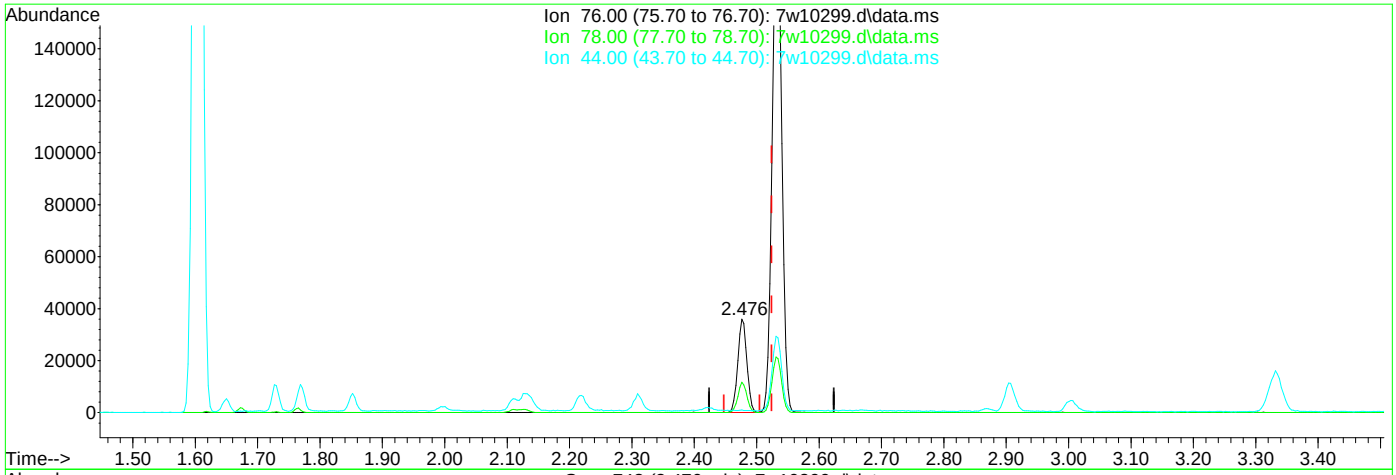
Sample Number:	V7W379-CC305	**Method:**	TO-15
Lab FileID:	7W10299.D	**Analyst approved:**	11/06/24 23:40 Lucky Carandang
Injection Time:	11/06/24 09:06	**Supervisor approved:**	11/07/24 12:01 Kanya Veerawat

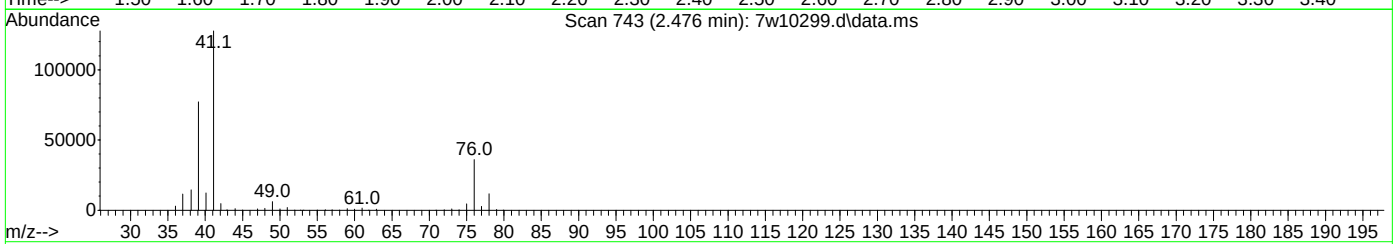
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon disulfide	75-15-0		2.53	Missed peak

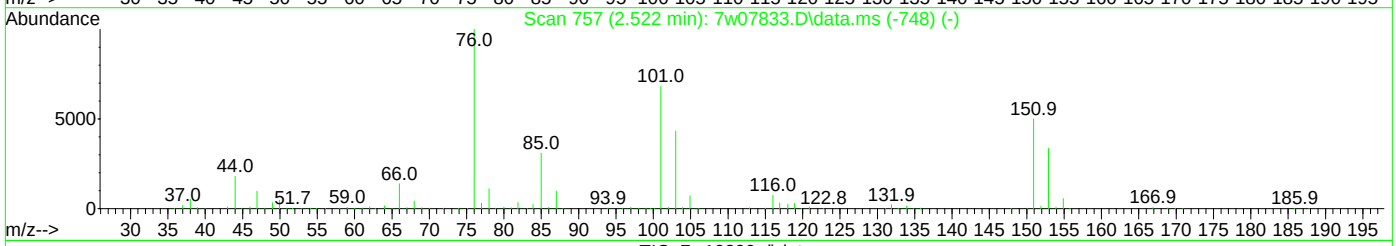
Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\luckyc\07 November 2024\v7w379\
Data File : 7w10299.d
Acq On : 6 Nov 2024 9:06 am
Operator : thomash
Sample : cc305-10 Inst : MS7W
Misc : MS86666,v7w379,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 07 00:51:38 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration







TIC: 7w10299.d\data.ms

(27) CARBON DISULFIDE (T)

2.476min (-0.048) 1.67PPBV

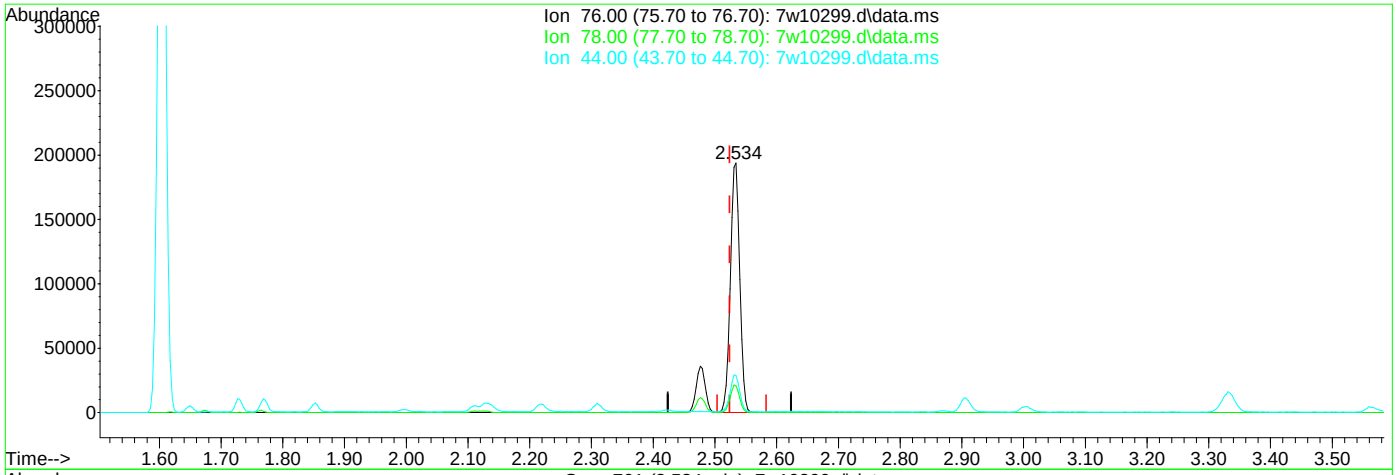
response 36642

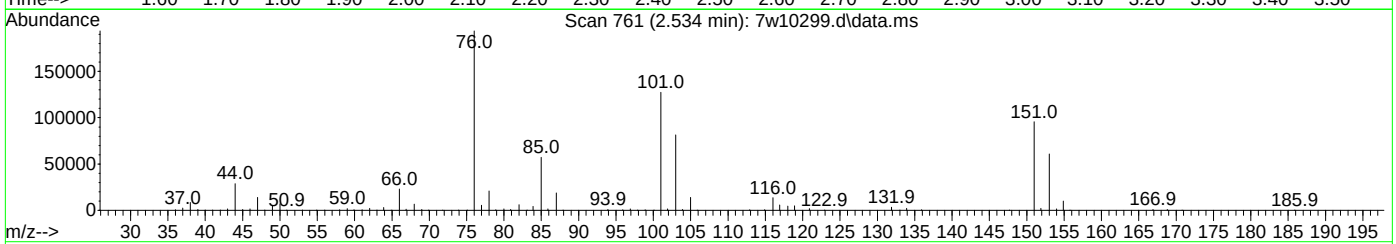
Ion	Exp%	Act%
76.00	100	100
78.00	11.40	32.26#
44.00	19.10	0.00#
0.00	0.00	0.00

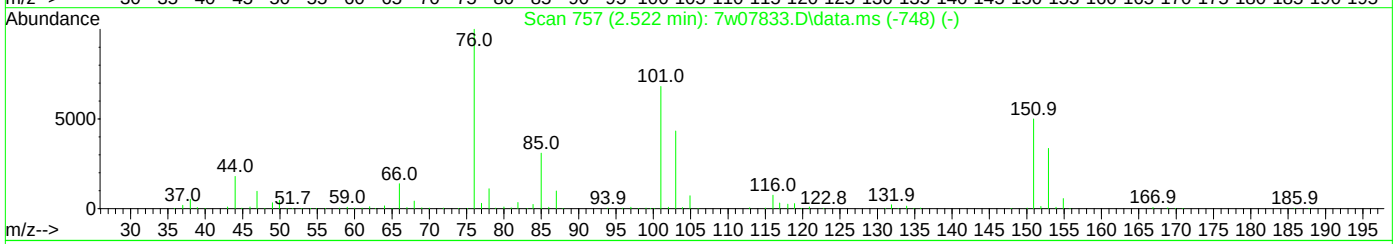
Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\luckyc\07 November 2024\v7w379\
Data File : 7w10299.d
Acq On : 6 Nov 2024 9:06 am
Operator : thomash
Sample : cc305-10 Inst : MS7W
Misc : MS86666,v7w379,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 07 00:51:38 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration







TIC: 7w10299.d\data.ms

(27) CARBON DISULFIDE (T)

2.534min (+0.010) 9.37PPBV m

response 206166

Ion	Exp%	Act%
76.00	100	100
78.00	11.40	5.73#
44.00	19.10	0.00#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10576.D
Acq On : 18 Nov 2024 9:35 am
Operator : bkim
Sample : cc305-10 Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:25:37 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.277	128	60785	10.00	PPBV		0.01
52) 1,4-DIFLUOROBENZENE	4.554	114	318407	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.123	117	291110	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.277	128	60785	10.00	PPBV		0.01
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.479	95	198104	9.28	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.618	119	113904	14.6115	PPBV		97
3) FREON 152A	1.650	65	58252	13.8424	PPBV		86
4) CHLORODIFLUOROMETHANE	1.663	67	22548	11.1109	PPBV		98
5) CHLOROTRIFLUOROETHENE	1.673	116	126006	12.7755	PPBV		72
6) DICHLORODIFLUOROMETHANE	1.692	85	258130	10.5903	PPBV		96
7) PROPYLENE	1.670	41	73226	12.5735	PPBV		97
8) 1-CHLORO-1,1-DIFLUOROE...	1.727	65	176595	8.6534	PPBV		93
9) FREON 114	1.763	85	219367	10.5801	PPBV		96
10) CHLOROMETHANE	1.734	52	27990	8.8659	PPBV		93
11) VINYL CHLORIDE	1.798	62	98928	10.1918	PPBV		98
12) 1,3-BUTADIENE	1.837	54	78163	9.9046	PPBV		85
13) N-BUTANE	1.853	43	130976	9.0882	PPBV		97
14) BROMOMETHANE	1.914	94	79036	10.1826	PPBV		99
15) CHLOROETHANE	1.962	64	53235	10.7085	PPBV		88
16) DICHLOROFLUOROMETHANE	1.988	67	193041	10.1603	PPBV		97
17) ACETONITRILE	2.059	41	79921	8.4691	PPBV		98
18) ACROLEIN	2.097	56	45813	9.6699	PPBV		99
19) FREON 123	2.110	83	201941	10.4598	PPBV		98
20) FREON 123A	2.129	117	122795	11.0880	PPBV		96
21) TRICHLOROFLUOROMETHANE	2.194	101	218154	9.9806	PPBV		99
22) ISOPROPYL ALCOHOL	2.219	45	185164	8.9938	PPBV		95
23) ACETONE	2.139	58	55931	9.9687	PPBV		67
24) PENTANE	2.313	42	98623	9.4305	PPBV		92
25) IODOMETHANE	2.374	142	221386	11.7419	PPBV		90
26) 1,1-DICHLOROETHYLENE	2.399	96	84778	10.4231	PPBV		90
27) CARBON DISULFIDE	2.534	76	226201	9.5429	PPBV	#	91
28) ETHANOL	1.994	45	48617	8.6425	PPBV		98
29) BROMOETHENE	2.065	106	83038	11.1865	PPBV	#	97
30) ACRYLONITRILE	2.280	52	72323	9.4774	PPBV		96
31) METHYLENE CHLORIDE	2.438	84	75641	9.0358	PPBV		81
32) 3-CHLOROPROPENE	2.480	76	40143	9.3713	PPBV	#	64
33) FREON 113	2.531	151	133379	10.4200	PPBV		93
34) TRANS-1,2-DICHLOROETHENE	2.760	96	90620	11.4238	PPBV		97
35) TERTIARY BUTYL ALCOHOL	2.422	59	178450	9.0300	PPBV		92
36) METHYL TERTIARY BUTYL ...	2.872	73	237675	11.9255	PPBV		98
37) TETRAHYDROFURAN	3.563	72	45414	11.9586	PPBV		98
38) HEXANE	3.325	57	189796	11.4405	PPBV		89
39) VINYL ACETATE	2.907	86	21344	11.7644	PPBV		84
40) 1,1-DICHLOROETHANE	2.837	63	185111	12.5230	PPBV		99
41) METHYL ETHYL KETONE	3.007	72	48844	12.0820	PPBV		93
42) CIS-1,2-DICHLOROETHENE	3.200	96	95378	11.3375	PPBV		99
43) DIISOPROPYL ETHER	3.332	59	53282	12.3430	PPBV		85
44) ETHYL ACETATE	3.338	61	37519	11.8340	PPBV		80
45) METHYL ACRYLATE	3.322	55	218966	12.0500	PPBV	#	26
46) CHLOROFORM	3.348	83	183591	10.7906	PPBV		95
47) 2,4-DIMETHYLPENTANE	3.840	57	217186	12.2384	PPBV		97
48) 1,1,1-TRICHLOROETHANE	3.920	97	179721	11.6039	PPBV		96
49) CARBON TETRACHLORIDE	4.341	117	188242	12.3820	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10576.D
Acq On : 18 Nov 2024 9:35 am
Operator : bkim
Sample : cc305-10 Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:25:37 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	3.756	62	136186	10.5541	PPBV		99
51)	BENZENE	4.229	78	287054	11.4643	PPBV		97
53)	CYCLOHEXANE	4.438	84	122945	10.9323	PPBV		90
54)	2,3-DIMETHYLPENTANE	4.695	71	66429	11.5345	PPBV		92
55)	TRICHLOROETHENE	5.126	95	124262	10.1896	PPBV		97
56)	1,2-DICHLOROPROPANE	4.894	63	125410	11.5600	PPBV		94
57)	DIBROMOMETHANE	4.856	174	108654	10.6178	PPBV		92
58)	ETHYL ACRYLATE	5.013	55	267659	11.4928	PPBV		99
59)	BROMODICHLOROMETHANE	5.075	83	201360	10.7597	PPBV		99
60)	2,2,4-TRIMETHYLPENTANE	5.222	57	593969	11.5245	PPBV		98
61)	1,4-DIOXANE	5.152	88	67571	10.1241	PPBV	#	92
62)	HEPTANE	5.538	43	200831	11.0999	PPBV		98
63)	METHYL METHACRYLATE	5.435	69	111342	11.4310	PPBV		93
64)	METHYL ISOBUTYL KETONE	6.174	58	116688	10.4765	PPBV		88
65)	CIS-1,3-DICHLOROPROPENE	6.062	75	168984	12.1544	PPBV		86
66)	TOLUENE	7.267	91	344235	10.1611	PPBV		100
67)	1,3-DICHLOROPROPANE	7.325	76	174071	10.4582	PPBV		100
68)	TRANS-1,3-DICHLOROPROPENE	6.740	75	139249	12.2098	PPBV		85
69)	1,1,2-TRICHLOROETHANE	6.898	83	101012	10.9059	PPBV		98
70)	2-HEXANONE	7.849	58	163348	9.6093	PPBV		87
71)	ETHYL METHACRYLATE	7.972	69	179505	11.1440	PPBV		94
72)	TETRACHLOROETHENE	8.994	164	132275	10.9275	PPBV		97
73)	DIBROMOCHLOROMETHANE	7.801	129	200550	11.3029	PPBV		99
74)	1,2-DIBROMOETHANE	8.142	107	182038	11.1564	PPBV		100
75)	OCTANE	9.142	43	274062	10.0697	PPBV		98
77)	1,1,1,2-TETRACHLOROETHANE	10.209	131	144332	11.5604	PPBV		94
78)	CHLOROBENZENE	10.200	112	276377	9.8077	PPBV		99
79)	ETHYLBENZENE	11.081	91	454221	9.8333	PPBV		97
80)	M,P-XYLENE	11.508	91	696539	19.0900	PPBV		99
81)	O-XYLENE	12.441	91	354868	9.6873	PPBV		99
82)	STYRENE	12.232	104	275318	10.3876	PPBV		97
83)	NONANE	13.563	43	281389	9.7128	PPBV		94
84)	BROMOFORM	11.322	173	186323	11.7618	PPBV		99
85)	1,1,2,2-TETRACHLOROETHANE	12.454	83	264100	10.2355	PPBV		98
86)	1,2,3-TRICHLOROPROPANE	12.737	75	200411	9.6181	PPBV		100
88)	ISOPROPYLBENZENE	13.958	120	135526	9.7674	PPBV		94
89)	BROMOBENZENE	13.823	77	247703	9.4364	PPBV		95
90)	2-CHLOROTOLUENE	14.955	126	120539	9.4762	PPBV		99
91)	N-PROPYLBENZENE	15.299	120	141576	9.9091	PPBV		100
92)	4-ETHYLTOLUENE	15.740	105	515336	10.1876	PPBV		100
93)	1,3,5-TRIMETHYLBENZENE	15.994	105	416897	9.7951	PPBV		98
94)	ALPHA-METHYLSTYRENE	16.270	118	212144	9.3804	PPBV		99
95)	TERT-BUTYLBENZENE	16.569	134	102158	10.0338	PPBV		93
96)	1,2,4-TRIMETHYLBENZENE	16.579	105	434416	9.7670	PPBV		100
97)	BENZYL CHLORIDE	16.669	91	257456	19.8916	PPBV		97
98)	M-DICHLOROBENZENE	16.640	146	290983	9.8030	PPBV		97
99)	P-DICHLOROBENZENE	16.730	146	295431	10.0349	PPBV		97
100)	O-DICHLOROBENZENE	17.042	146	277787	9.7722	PPBV		97
101)	SEC-BUTYLBENZENE	16.875	134	130027	10.1472	PPBV		90
102)	1,2,3-TRIMETHYLBENZENE	16.990	105	415375	9.2243	PPBV		99
103)	P-ISOPROPYLTOLUENE	17.064	134	139585	9.7620	PPBV		94
104)	N-BUTYLBENZENE	17.421	134	139967	9.8616	PPBV		88
105)	HEXACHLOROETHANE	17.598	117	159918	11.6099	PPBV		96
106)	HEXACHLOROBUTADIENE	18.650	225	220878	10.3419	PPBV		99
107)	1,2,4-TRICHLOROBENZENE	18.341	180	269758	9.4800	PPBV		100
108)	NAPHTHALENE	18.386	128	626781	8.4309	PPBV		100
110)	TVHC as equiv Pentane	2.313	TIC	466760	8.8472	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10576.D
Acq On : 18 Nov 2024 9:35 am
Operator : bkim
Sample : cc305-10 Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:25:37 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

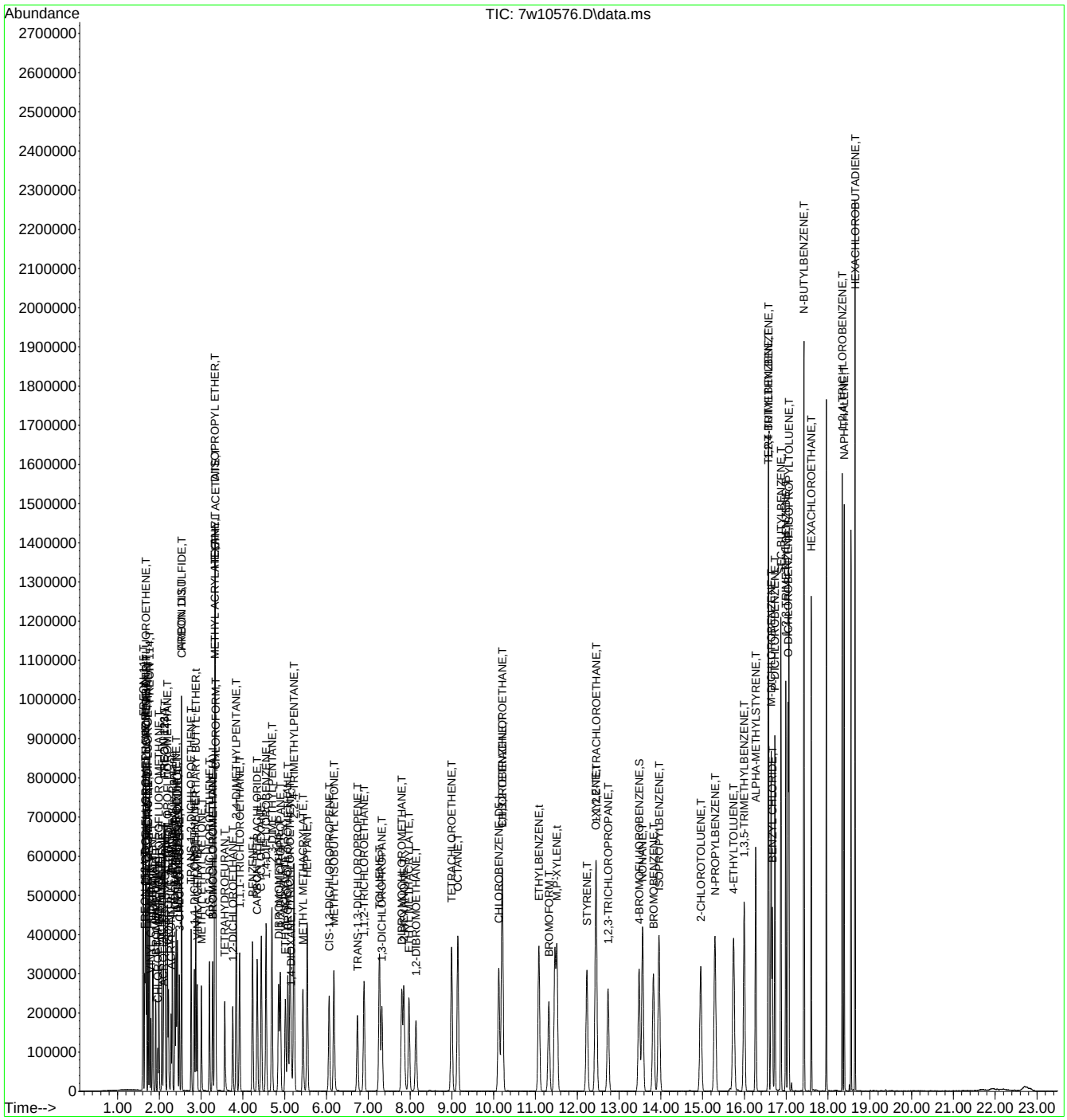
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10576.D
Acq On : 18 Nov 2024 9:35 am
Operator : bkim
Sample : cc305-10 Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:25:37 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 11/25/24 17:07

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V7W392\
Data File : 7w10743.D
Acq On : 25 Nov 2024 9:11 am
Operator : williamc
Sample : cc305-10 Inst : MS7W
Misc : MS87372,v7w392,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 21:29:53 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.274	128	72713	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.553	114	383789	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.122	117	314273	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.274	128	72713	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.482	95	225172	9.77	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.621	119	124218	13.3206	PPBV		95
3) FREON 152A	1.650	65	65766	13.0643	PPBV		94
4) CHLORODIFLUOROMETHANE	1.663	67	28304	11.6593	PPBV		95
5) CHLOROTRIFLUOROETHENE	1.676	116	133573	11.3211	PPBV		85
6) DICHLORODIFLUOROMETHANE	1.692	85	309467	10.6137	PPBV		99
7) PROPYLENE	1.673	41	82127	11.7885	PPBV		98
8) 1-CHLORO-1,1-DIFLUOROE...	1.730	65	265152	10.8615	PPBV		97
9) FREON 114	1.766	85	287257	11.5817	PPBV		96
10) CHLOROMETHANE	1.737	52	39678	10.5064	PPBV		99
11) VINYL CHLORIDE	1.798	62	137113	11.8085	PPBV		100
12) 1,3-BUTADIENE	1.840	54	109490	11.5983	PPBV		93
13) N-BUTANE	1.856	43	197186	11.4379	PPBV		99
14) BROMOMETHANE	1.914	94	96846	10.4304	PPBV		99
15) CHLOROETHANE	1.965	64	67594	11.3665	PPBV		98
16) DICHLOROFLUOROMETHANE	1.991	67	252271	11.0997	PPBV		99
17) ACETONITRILE	2.062	41	111438	9.8717	PPBV		100
18) ACROLEIN	2.100	56	56560	9.9799	PPBV		98
19) FREON 123	2.113	83	250554	10.8489	PPBV		99
20) FREON 123A	2.129	117	139203	10.5076	PPBV		88
21) TRICHLOROFLUOROMETHANE	2.197	101	262872	10.0537	PPBV		99
22) ISOPROPYL ALCOHOL	2.219	45	245998	9.9886	PPBV		98
23) ACETONE	2.139	58	69188	10.3086	PPBV		85
24) PENTANE	2.312	42	135548	10.8352	PPBV		96
25) IODOMETHANE	2.373	142	236333	10.4784	PPBV		98
26) 1,1-DICHLOROETHYLENE	2.399	96	104831	10.7743	PPBV		93
27) CARBON DISULFIDE	2.534	76	314081m	11.0767	PPBV		
28) ETHANOL	1.997	45	71616	10.6426	PPBV		99
29) BROMOETHENE	2.068	106	93881	10.5726	PPBV		98
30) ACRYLONITRILE	2.283	52	94413	10.3426	PPBV		98
31) METHYLENE CHLORIDE	2.438	84	100876	10.0735	PPBV		99
32) 3-CHLOROPROPENE	2.476	76	55680	10.8661	PPBV		94
33) FREON 113	2.531	151	146739	9.5832	PPBV		91
34) TRANS-1,2-DICHLOROETHENE	2.759	96	100171	10.5563	PPBV		95
35) TERTIARY BUTYL ALCOHOL	2.425	59	251539	10.6405	PPBV		96
36) METHYL TERTIARY BUTYL ...	2.872	73	281716	11.8165	PPBV		99
37) TETRAHYDROFURAN	3.563	72	53016	11.6703	PPBV		96
38) HEXANE	3.325	57	218443	11.0073	PPBV		93
39) VINYL ACETATE	2.907	86	24929	11.4864	PPBV		81
40) 1,1-DICHLOROETHANE	2.836	63	221068	12.5022	PPBV		99
41) METHYL ETHYL KETONE	3.004	72	57471	11.8839	PPBV		89
42) CIS-1,2-DICHLOROETHENE	3.200	96	114625	11.3902	PPBV		98
43) DIISOPROPYL ETHER	3.332	59	61884	11.9841	PPBV		85
44) ETHYL ACETATE	3.338	61	44813	11.8159	PPBV		79
45) METHYL ACRYLATE	3.322	55	257381	11.8406	PPBV	#	26
46) CHLOROFORM	3.348	83	228133	11.2090	PPBV		98
47) 2,4-DIMETHYLPENTANE	3.840	57	249533	11.7545	PPBV		98
48) 1,1,1-TRICHLOROETHANE	3.920	97	217871	11.7595	PPBV		98
49) CARBON TETRACHLORIDE	4.338	117	215033	11.8240	PPBV		98

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V7W392\
Data File : 7w10743.D
Acq On : 25 Nov 2024 9:11 am
Operator : williamc
Sample : cc305-10 Inst : MS7W
Misc : MS87372,v7w392,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 21:29:53 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50) 1,2-DICHLOROETHANE	3.753	62	173683	11.2520	PPBV		99
51) BENZENE	4.229	78	334442	11.1657	PPBV		98
53) CYCLOHEXANE	4.438	84	150415	11.0964	PPBV		99
54) 2,3-DIMETHYLPENTANE	4.692	71	78602	11.3231	PPBV		96
55) TRICHLOROETHENE	5.126	95	150275	10.2234	PPBV		98
56) 1,2-DICHLOROPROPANE	4.894	63	148037	11.3210	PPBV		96
57) DIBROMOMETHANE	4.852	174	127543	10.3404	PPBV		97
58) ETHYL ACRYLATE	5.013	55	310535	11.0623	PPBV		99
59) BROMODICHLOROMETHANE	5.071	83	246347	10.9211	PPBV		100
60) 2,2,4-TRIMETHYLPENTANE	5.222	57	676249	10.8857	PPBV		98
61) 1,4-DIOXANE	5.151	88	80126	9.9600	PPBV	#	95
62) HEPTANE	5.537	43	222238	10.1905	PPBV		95
63) METHYL METHACRYLATE	5.434	69	129696	11.0470	PPBV		95
64) METHYL ISOBUTYL KETONE	6.177	58	134511	10.0193	PPBV		91
65) CIS-1,3-DICHLOROPROPENE	6.061	75	200693	11.9759	PPBV		91
66) TOLUENE	7.267	91	404008	9.8938	PPBV		99
67) 1,3-DICHLOROPROPANE	7.325	76	209319	10.4335	PPBV		100
68) TRANS-1,3-DICHLOROPROPENE	6.740	75	166232	12.0926	PPBV		91
69) 1,1,2-TRICHLOROETHANE	6.897	83	123583	11.0697	PPBV		98
70) 2-HEXANONE	7.846	58	186755	9.1146	PPBV		91
71) ETHYL METHACRYLATE	7.971	69	210548	10.8444	PPBV		96
72) TETRACHLOROETHENE	8.994	164	158430	10.8586	PPBV		97
73) DIBROMOCHLOROMETHANE	7.798	129	232603	10.8761	PPBV		100
74) 1,2-DIBROMOETHANE	8.138	107	222069	11.2912	PPBV		99
75) OCTANE	9.142	43	309112	9.4227	PPBV		96
77) 1,1,1,2-TETRACHLOROETHANE	10.212	131	172209	12.7766	PPBV		96
78) CHLOROBENZENE	10.196	112	333442	10.9606	PPBV		100
79) ETHYLBENZENE	11.080	91	532047	10.6692	PPBV		96
80) M,P-XYLENE	11.508	91	818693	20.7842	PPBV		98
81) O-XYLENE	12.444	91	420763	10.6396	PPBV		97
82) STYRENE	12.232	104	322337	11.2653	PPBV		98
83) NONANE	13.563	43	327222	10.4623	PPBV		94
84) BROMOFORM	11.322	173	202757	11.8558	PPBV		99
85) 1,1,2,2-TETRACHLOROETHANE	12.457	83	324802	11.6603	PPBV		99
86) 1,2,3-TRICHLOROPROPANE	12.740	75	245284	10.9040	PPBV		100
88) ISOPROPYLBENZENE	13.952	120	164061	10.9524	PPBV		96
89) BROMOBENZENE	13.823	77	297385	10.4941	PPBV		98
90) 2-CHLOROTOLUENE	14.958	126	147296	10.7262	PPBV		99
91) N-PROPYLBENZENE	15.296	120	172351	11.1740	PPBV		98
92) 4-ETHYLTOLUENE	15.743	105	604172	11.0635	PPBV		99
93) 1,3,5-TRIMETHYLBENZENE	15.997	105	495028	10.7735	PPBV		98
94) ALPHA-METHYLSTYRENE	16.270	118	253766	10.3938	PPBV		99
95) TERT-BUTYLBENZENE	16.572	134	124432	11.3208	PPBV		95
96) 1,2,4-TRIMETHYLBENZENE	16.579	105	527071	10.9768	PPBV		99
97) BENZYL CHLORIDE	16.669	91	298306	21.3491	PPBV		97
98) M-DICHLOROBENZENE	16.640	146	348032	10.8608	PPBV		98
99) P-DICHLOROBENZENE	16.733	146	352021	11.0758	PPBV		98
100) O-DICHLOROBENZENE	17.045	146	330611	10.7733	PPBV		98
101) SEC-BUTYLBENZENE	16.874	134	158601	11.4649	PPBV		92
102) 1,2,3-TRIMETHYLBENZENE	16.990	105	507380	10.4370	PPBV		98
103) P-ISOPROPYLTOLUENE	17.064	134	175712	11.3829	PPBV		92
104) N-BUTYLBENZENE	17.424	134	173477	11.3217	PPBV		92
105) HEXACHLOROETHANE	17.601	117	191640	12.8875	PPBV		95
106) HEXACHLOROBUTADIENE	18.656	225	269973	11.7090	PPBV		99
107) 1,2,4-TRICHLOROBENZENE	18.347	180	332707	10.8304	PPBV		99
108) NAPHTHALENE	18.395	128	752557	9.3766	PPBV		100
110) TVHC as equiv Pentane	2.312	TIC	649553	10.2923	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V7W392\
Data File : 7w10743.D
Acq On : 25 Nov 2024 9:11 am
Operator : williamc
Sample : cc305-10 Inst : MS7W
Misc : MS87372,v7w392,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 21:29:53 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

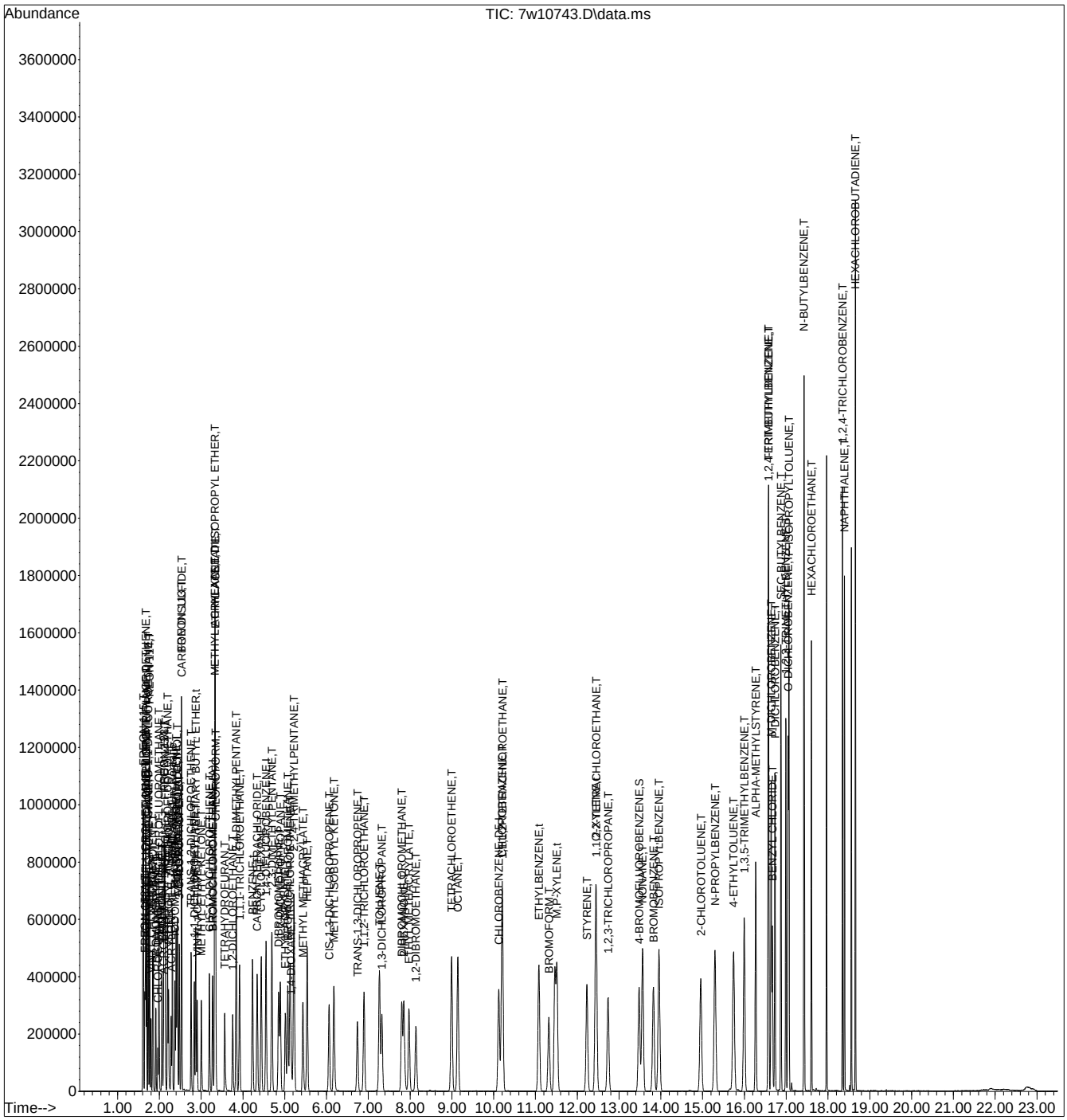
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V7W392\
Data File : 7w10743.D
Acq On : 25 Nov 2024 9:11 am
Operator : williamc
Sample : cc305-10 Inst : MS7W
Misc : MS87372,v7w392,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 21:29:53 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



Manual Integration Approval Summary

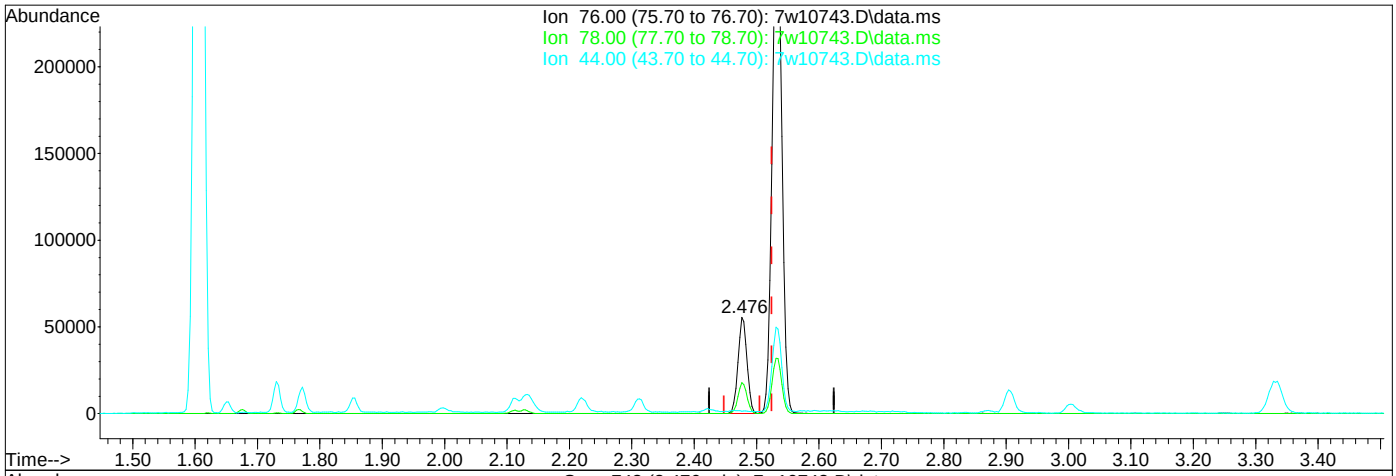
Sample Number: V7W392-CC305
Lab FileID: 7W10743.D
Injection Time: 11/25/24 09:11
Method: TO-15
Analyst approved: 11/25/24 16:53 Geralyn Gomez
Supervisor approved: 11/25/24 17:07 Kanya Veerawat

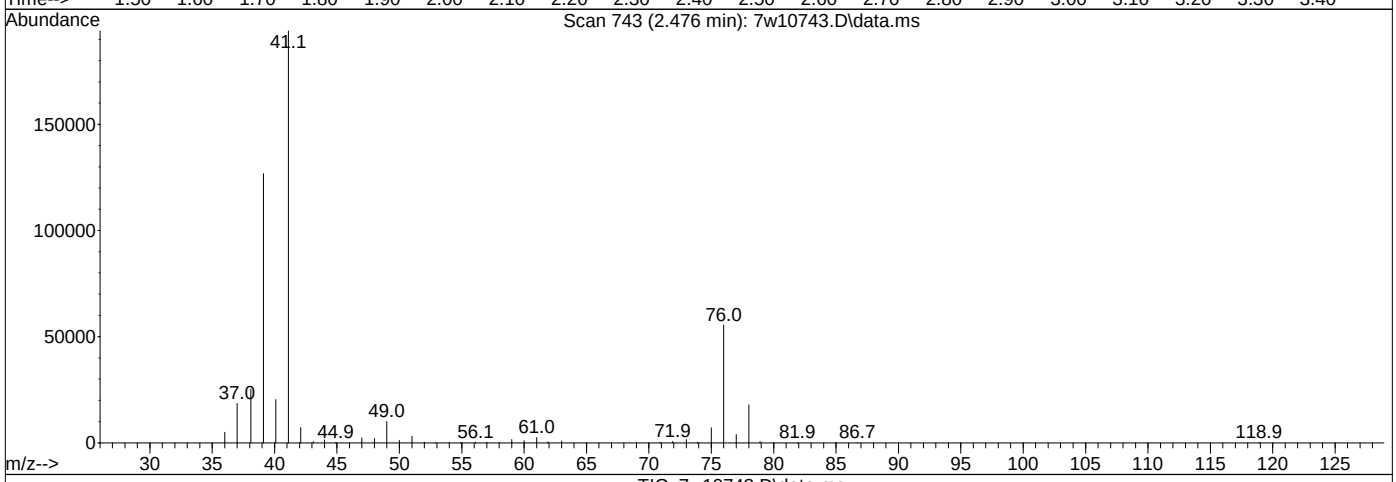
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon disulfide	75-15-0		2.53	Missed peak

Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V7W392\
Data File : 7w10743.D
Acq On : 25 Nov 2024 9:11 am
Operator : williamc
Sample : cc305-10 Inst : MS7W
Misc : MS87372,v7w392,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 20:58:12 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration





TIC: 7w10743.D\data.ms

(27) CARBON DISULFIDE (T)

2.476min (-0.048) 1.97PPBV

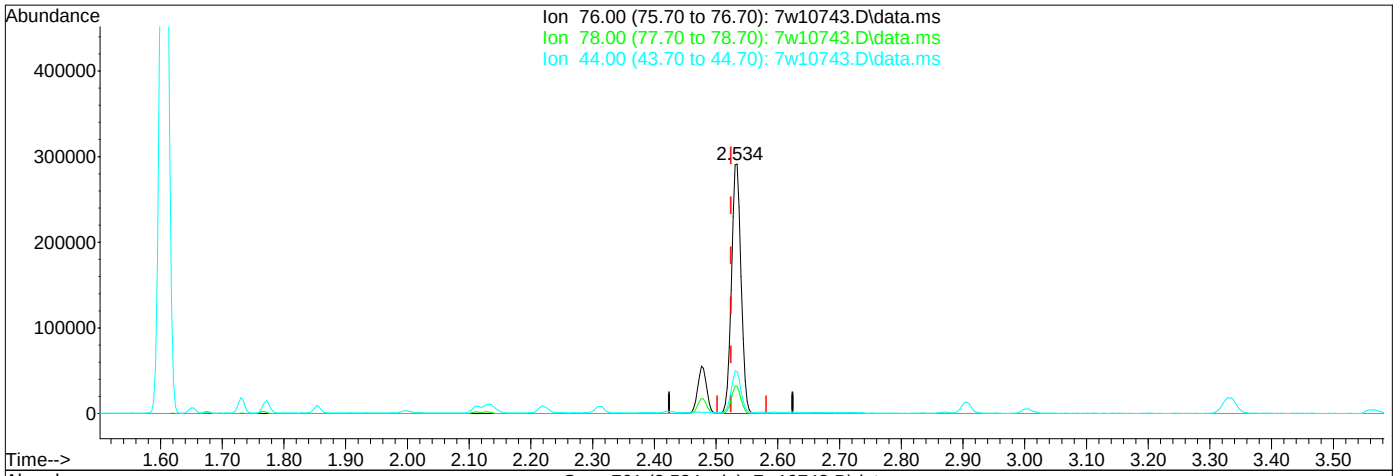
response 55719

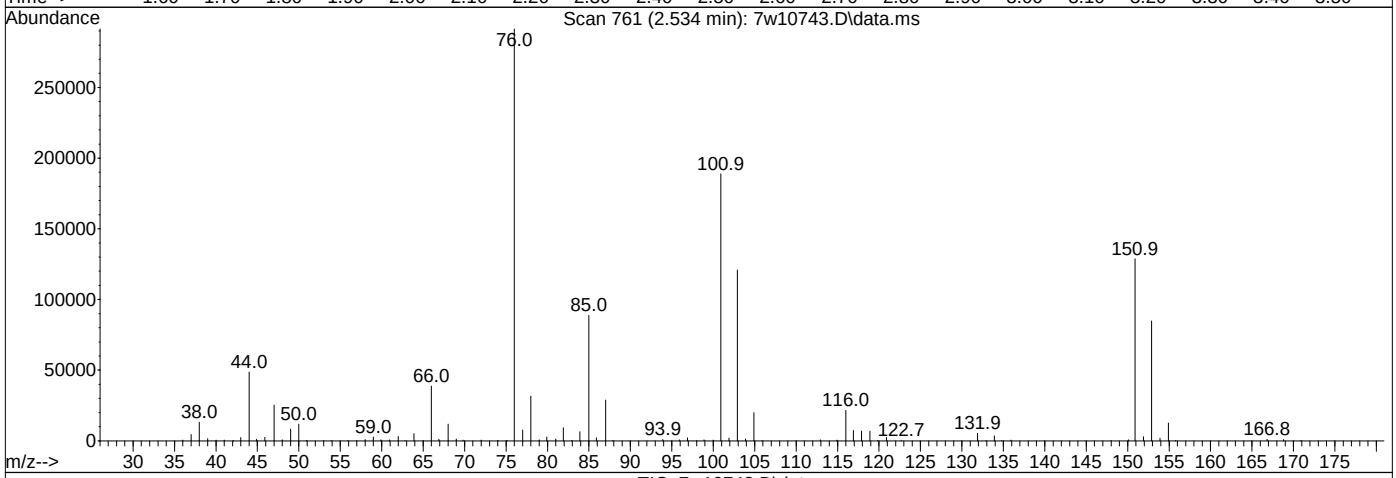
Ion	Exp%	Act%
76.00	100	100
78.00	11.40	32.48#
44.00	19.10	1.91#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V7W392\
Data File : 7w10743.D
Acq On : 25 Nov 2024 9:11 am
Operator : williamc
Sample : cc305-10 Inst : MS7W
Misc : MS87372,v7w392,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 20:58:12 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration





TIC: 7w10743.D\data.ms

(27) CARBON DISULFIDE (T)

2.534min (+0.010) 11.08PPBV m

response 314081

Ion	Exp%	Act%
76.00	100	100
78.00	11.40	5.76#
44.00	19.10	0.34#
0.00	0.00	0.00

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	1737	AS10298	5/31/2025	100
TO-15 STD	A1789	AS10439	10/8/2024	0.5
TO-15 STD	A2037	AS10433	10/2/2024	5.0
TO-15 STD	A1805	AS10427	10/1/2024	50
TO-15 LCS	A1795	AS10393	9/15/2024	50
TO-15 LCS (Stock)	CC-305926	AS10352	6/12/2025	1000
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: V3W3499
Date: 9/8/2024
Laboratory Analyst: Benjamin Kim
Column Rtx-1 (60mx0.32mmx1.0um)
GCMS Method: 3WTO15.M
Sequence File: 3W20240908ical.S
Initial Calibration Method: M3W3499.M
Concentrator Method: 3WTO15E.CTD3
Data Validator(s): Benjamin Kim

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS
2-4	ib	3w88647			A1805	20						
2-3	ib	3w88648			A2037	20						
2-2	ib	3w88649			A1789	20						
2-1	ib	3w88650			A959	400						
2-1	ib	3w88651			A959	400						
2-1	ib	3w88652			A959	400						
2-1	ib	3w88653			A959	400						
2-2	bfb	3w88654			A1789	32					OK	T = 2:29 (9/9/24)
2-2	ic3499-0.04	3w88655	MS80966	STD+NAP	A1789	32			√	√	OK	
2-2	ic3499-0.1	3w88656	MS80966	STD+NAP	A1789	80			√	√	OK	
2-2	ic3499-0.2	3w88657	MS80966	STD+NAP	A1789	160			√	√	OK	
2-2	ic3499-0.5	3w88658	MS80966	STD+NAP	A1789	400					NOT USED	Testing purposes
2-3	ic3499-0.5	3w88659	MS80966	STD+NAP	A2037	40			√	√	OK	
2-3	ic3499-5	3w88660	MS80966	STD+NAP	A2037	400					NOT USED	Testing purposes
2-4	ic3499-5	3w88661	MS80966	STD+NAP	A1805	40			√	√	OK	
2-4	icc3499-10	3w88662	MS80966	STD+NAP	A1805	80			√	√	OK	
2-4	ic3499-20	3w88663	MS80966	STD+NAP	A1805	160			√	√	OK	
2-4	ic3499-40	3w88664	MS80966	STD+NAP	A1805	320			√	√	OK	
2-4	ic3499-50	3w88665	MS80966	STD+NAP	A1805	400			√	↑4	NOT USED	Please Note: Only LINEAR to 40 ppbv Level.
2-1	ib	3w88666			A959	400						
2-1	ib	3w88667			A959	400						
2-1	ib	3w88668			A959	400						
2-5	icv3499-10	3w88669			A1795	400			√	√	OK	

CANISTER SECONDARY DILUTION LOG

Pressure Gauge ID: TG -		5	Original Canister Dilution				Secondary Canister Dilution						
Date	**Initial**	**Sample ID**	**Canister SN**	**Vacuum at Time of Dilution (inHg)**	**Final Pressure (psig)**	**Dilution Factor**	**Canister SN**	**Canister Volume (cc)**	**Sample Volume Added (cc)**	**Final Pressure (psig)**	**Equivalent Total Volume (cc)**	**Dilution Factor**	**Final Canister Dilution Factor**

Definition: Final Canister Dilution Factor (DF) = (Original Canister DF) x (Secondary Canister DF)
Dilution Factor at Instrument = Final Canister Dilution Factor x [Nominal Sampling Volume (cc) / Sample Volume Injected (cc)]

Example: Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig (750cc equivalent volume). This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister, 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20 (from canister dilution) and 20 (from instrument dilution) = 400.

Notes:

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	1737	AS10298	5/31/2025	100
TO-15 STD	A1789	AS10439	10/8/2024	0.5
TO-15 STD	A2037	AS10433	10/2/2024	5.0
TO-15 STD	A1805	AS10427	10/1/2024	50
TO-15 LCS	A1795	AS10393	9/15/2024	50
TO-15 LCS (Stock)	CC-305926	AS10352	6/12/2025	1000
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: V3W3499
Date: 9/8/2024
Laboratory Analyst: Benjamin Kim
Column Rtx-1 (60mx0.32mmx1.0um)
GCMS Method: 3WTO15.M
Sequence File: 3W20240908ical.S
Initial Calibration Method: M3W3499.M
Concentrator Method: 3WTO15E.CTD3
Data Validator(s): Benjamin Kim

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	1737	AS10298	5/31/2025	100
TO-15 STD	A1806	AS10428	10/1//2024	50
TO-15 LCS (Stock)	CC-305926	AS10352	6/12/2025	1000
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: V3W3503
Date: 9/19/2024
Laboratory Analyst: Thomas Hilbig
Column Rtx-1 (60mx0.32mmx1.0um)
GCMS Method: 3WTO15.M
Sequence File: 3W20240919.S
Initial Calibration Method: M3W3499.M
Concentrator Method: 3WTO15E.CTD3
Data Validator(s): Geralyn Gomez

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS
2-2	bfb	3w88778			a2044	20					OK	T = 12:37
2-1	cc3499-10	3w88779			a1806	80			√	√	OK	3-Chloropropene ↑
2-1	bs	3w88780			a1806	80			√	√	OK	3-Chloropropene ↑
2-1	bsd	3w88781			a1806	80			√	√	OK	3-Chloropropene ↑
2-2	ib	3w88782			a2036	100					-	
2-2	mb	3w88783			a2036	400		+	√	√	OK	
2-3	jd96175-1	3w88784	MS85177	SL+	a2524	400	1	+	√	√	OK	
2-4	jd96175-2	3w88785	MS85177	SL+	a2528	400	1	+	√	√	OK	
2-4	jd96175-2dup	3w88786	MS85177	SL+	a2528	400	1	+	√	√	OK	
2-5	jd96175-3	3w88787	MS85177	SL+	a2517	592	1.48	+	√	√	OK	
2-6	jd96175-4	3w88788	MS85177	SL+	a2495	592	1.48	+	√	√	OK	
2-7	jd96236-1	3w88789	MS85123	CTC, TCE, CHLFRM	m411	400	1		√	√	OK	
2-8	jd96236-2	3w88790	MS85123	CTC, TCE, CHLFRM	a256	400	1		√	√	OK	
2-9	jd96236-3	3w88791	MS85123	CTC, TCE, CHLFRM	a1830	400	1		√	√	OK	
2-10	jd96236-4	3w88792	MS85123	CTC, TCE, CHLFRM	a1499	400	1		√	√	OK	
2-11	jd96236-5	3w88793	MS85123	CTC, TCE, CHLFRM	a1373	100	1		↑3	√	RR	ISTD out
2-12	jd96236-6	3w88794	MS85123	CTC, TCE, CHLFRM	a2361	100	1		↑1	√	RR	ISTD out
2-13	jd96236-7	3w88795	MS85123	CTC, TCE, CHLFRM	a2333	100	1		↑1	√	RR	ISTD out
2-14	scc,cp12875	3w88796			a2049	400			↑3	√	RR	ISTD out
2-15	scc,cp12875	3w88797			a852	400			√	√	OK	
2-16	scc,cp12875	3w88798			a645	400			√	√	OK	
2-1	scc,cp12873	3w88799			a2143	400			√	√	RR	Reclean
2-2	scc,cp12873	3w88800			a864	400			↓3	√	RR	ISTD out
2-3	scc,cp12873	3w88801			a2105	400			√	√	OK	
2-4	scc,cp12873	3w88802			m034	400			√	√	OK	
2-5	scc,cp12873	3w88803			a1169	400			↓3	√	RR	ISTD out
2-6	scc,cp12873	3w88804			a243	400			√	√	OK	
2-7	scc,cp12873	3w88805			a1855	400			↓3	√	RR	ISTD out

CANISTER SECONDARY DILUTION LOG

Pressure Gauge ID: TG -		5	Original Canister Dilution				Secondary Canister Dilution						
Date	**Initial**	**Sample ID**	**Canister SN**	**Vacuum at Time of Dilution (inHg)**	**Final Pressure (psig)**	**Dilution Factor**	**Canister SN**	**Canister Volume (cc)**	**Sample Volume Added (cc)**	**Final Pressure (psig)**	**Equivalent Total Volume (cc)**	**Dilution Factor**	**Final Canister Dilution Factor**

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	1737	AS10298	5/31/2025	100
TO-15 STD	A1806	AS10428	10/1//2024	50
TO-15 LCS (Stock)	CC-305926	AS10352	6/12/2025	1000
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: **V3W3503**
Date: **9/19/2024**
Laboratory Analyst: **Thomas Hilbig**
Column Rtx-1 (60mx0.32mmx1.0um)
GCMS Method: 3WTO15.M
Sequence File: 3W20240919.S
Initial Calibration Method: M3W3499.M
Concentrator Method: 3WTO15E.CTD3
Data Validator(s): **Geralyn Gomez**

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE		Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS	

Definition: Final Canister Dilution Factor (DF) = (Original Canister DF) x (Secondary Canister DF)
Dilution Factor at Instrument = Final Canister Dilution Factor x [Nominal Sampling Volume (cc) / Sample Volume Injected (cc)]

Example: Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig (750cc equivalent volume). This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister, 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20 (from canister dilution) and 20 (from instrument dilution) = 400.

Notes:

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	A1739	AS9819	12/31/2024	100
TO-15 STD	A1784	AS10508	12/30/2024	0.5
TO-15 STD	A2040	AS10510	1/5/2025	5.0
TO-15 STD	A1788	AS10499	12/28/2024	50
TO-15 LCS	A1795	AS10507	12/29/2024	50
TO-15 LCS (Stock)	CC-305926	AS10352	6/12/2025	1000
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: V5W2125
Date: 12/8/2024
Laboratory Analyst: Benjamin Kim
Columns: Rtx-1 (60m x 0.32mm x 1.0um)
GCMS Method: 5WTO15.M
Sequence File: 5W20241208ical.S
Initial Calibration Method: M5W2125.M
Concentrator Method: 5WTO15A.CTD3
Data Validator(s): Thomas Hilbig

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS
1-6	ib	5w55453			A2040	20					-	
1-3	ib	5w55454			A1784	20					-	
1-2	ib	5w55455			A959	20					-	
1-2	ib	5w55456			A959	20					-	
1-2	ib	5w55457			A959	20					-	
1-3	bfb	5w55458			A1784	32					OK	T = 10:53
1-3	ic2125-0.04	5w55459			A1784	32			√	√	OK	
1-3	ic2125-0.1	5w55460			A1784	80			√	√	OK	
1-3	ic2125-0.2	5w55461			A1784	160			√	√	OK	
1-3	ic2125-0.5	5w55462			A1784	400					NOT USED	Testing Purposes
1-6	ic2125-0.5	5w55463			A2040	40			√	√	OK	
1-6	ic2125-5	5w55464			A2040	400			√	√	OK	
1-1	ic2125-5	5w55465			A1788	40					NOT USED	Testing Purposes
1-1	icc2125-10	5w55466			A1788	80			√	√	OK	
1-1	ic2125-20	5w55467			A1788	160			√	√	OK	
1-1	ic2125-40	5w55468			A1788	320			√	√	OK	
1-1	ic2125-50	5w55469			A1788	400			√	√	OK	
1-2	ib	5w55470			A959	200					-	
1-2	ib	5w55471			A959	100					-	
1-5	icv2125-10	5w55472			A1795	80					RR	Nap ↑
1-5	icv2125-10	5w55473			A1795	80			√	√	OK	

CANISTER SECONDARY DILUTION LOG

Pressure Gauge ID: TG -		5	Original Canister Dilution				Secondary Canister Dilution						
Date	**Initial**	**Sample ID**	**Canister SN**	**Vacuum at Time of Dilution (inHg)**	**Final Pressure (psig)**	**Dilution Factor**	**Canister SN**	**Canister Volume (cc)**	**Sample Volume Added (cc)**	**Final Pressure (psig)**	**Equivalent Total Volume (cc)**	**Dilution Factor**	**Final Canister Dilution Factor**

Definition: Final Canister Dilution Factor (DF) = (Original Canister DF) x (Secondary Canister DF)
Dilution Factor at Instrument = Final Canister Dilution Factor x [Nominal Sampling Volume (cc) / Sample Volume Injected (cc)]

Example: Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig (750cc equivalent volume). This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister, 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20 (from canister dilution) and 20 (from instrument dilution) = 400.

Notes:

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	A1739	AS9819	12/31/2024	100
TO-15 STD	A974	AS10497	12/28/2024	50
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: V5W2132
Date: 12/16/2024
Laboratory Analyst: Thomas Hilbig
Columns: Rtx-1 (60m x 0.32mm x 1.0um)
GCMS Method: 5WTO15.M
Sequence File: 5W20241216.S
Initial Calibration Method: M5W2125.M
Concentrator Method: 5WTO15A.CTD3
Data Validator(s): Geralyn Gomez
Data Validator(s): Kristel Valladolid

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS
1-2	bfb	5w55661			A959	20					RR	
1-1	cc2125-10	5w55662			A974	80					RR	Acetone ↓, acrylonitrile ↓. Retune instrument
1-2	bfb	5w55663			a959	20					OK	T = 12:41
1-1	cc2125-10	5w55664			A974	80			√	√	OK	THF ↑, MEK ↑, HCBD ↑
1-1	bs	5w55665			A974	80			√	√	OK	CDFM ↑, THF ↑, MEK ↑, HCBD ↑
1-1	bsd	5w55666			A974	80			√	√	OK	CDFM ↑, MTBE ↑, THF ↑, MEK ↑, ethyl acetate ↑, 12DCA ↑, T-1,3-TCP ↑, HCBD ↑
1-1	ib	5w55667			a974	80					-	
1-2	ib	5w55668			a959	100					-	
1-2	mb	5w55669			a959	400						
1-3	mb	5w55670			a1800	400		+	√	√	OK	
1-3	scc,cp12944	5w55670a			a1800	400			√	√	OK	
1-4	scc,cp12944	5w55671			a1844	400			√	√	OK	
1-5	scc,cp12944	5w55672			a343	400			√	√	OK	
1-6	je2487-2	5w55673	MS88104	NYLL	a1678	500	1		√	√	OK/DL	f/d
1-7	je2487-4	5w55674	MS88104	NYLL	a1659	500	1		√	√	OK/DL	f/d
1-7	je2487-4dup	5w55675	MS88104	NYLL	a1659	500	1		√	√	OK	
1-8	je2487-6	5w55676	MS88104	NYLL	a1284	500	1		√	√	OK/DL	f/d
1-9	je1101-6r	5w55677	MS87842	STD+, Nap	a1682	100	1		√	√	OK	
1-10	je1101-7r	5w55678	MS87842	STD+, Nap	a1740	100	1		√	√	OK	
1-11	je1101-8r	5w55679	MS87842	STD+, Nap	a770	100	1		√	√	OK	
1-12	je1101-9r	5w55680	MS87842	STD+, Nap	a1656	100	1		√	√	OK	
1-13	je2021-1	5w55681	MS87842	STD	tbag,m323	40	1		√	√	OK	
1-14	je2021-2	5w55682	MS87842	STD	tbag,a599	100	1		√	√	OK	
1-15	je2387-1	5w55683	MS88056	STD, Nap	a1905	100	1		√	√	OK	
1-16	je2387-2	5w55684	MS88056	STD, Nap	a2351	100	1		√	√	OK	
1-2	je2387-3	5w55685	MS88056	STD, Nap	a2554	100	1		√	√	OK	
1-3	je1889-1	5w55686	MS87800	STD	m223	100	1		√	√	OK	
1-4	je2389-1	5w55687	MS88056	STD,propbenz, cumene	a2359	100	1		√	√	OK	
1-5	scc,cp12943	5w55688			a646	400			√	√	OK	
1-6	je2484-1	5w55689	MS88104	STD+, Nap	a1613	400	1	+	√	√	OK	
1-7	je2478-1	5w55690	MS88104	STD+, Nap	a1751	400	1	+	√	√	OK	
1-8	je2478-2	5w55691	MS88104	STD+, Nap	a1730	400	1	+	√	√	OK	
1-3	je2781-1	5w55692		SL	a1650	400	1		√	√	OK	
1-4	je2781-2	5w55693		SL	a1665	400	1		√	√	OK	
1-4	je2781-2	5w55694		SL	a1665	100	1		√	√	OK	

CANISTER SECONDARY DILUTION LOG

Pressure Gauge ID: TG -		5	Original Canister Dilution				Secondary Canister Dilution						
Date	**Initial**	**Sample ID**	**Canister SN**	**Vacuum at Time of Dilution (inHg)**	**Final Pressure (psig)**	**Dilution Factor**	**Canister SN**	**Canister Volume (cc)**	**Sample Volume Added (cc)**	**Final Pressure (psig)**	**Equivalent Total Volume (cc)**	**Dilution Factor**	**Final Canister Dilution Factor**
12/6/2024	TH	JE2021-1	tbag,M323		0.28	1.00					0	#DIV/0!	**1.00**
12/6/2024	TH	JE2021-2	tbag,A599		1.02	1.00					0	#DIV/0!	**1.00**

Definition: Final Canister Dilution Factor (DF) = (Original Canister DF) x (Secondary Canister DF)
Dilution Factor at Instrument = Final Canister Dilution Factor x [Nominal Sampling Volume (cc) / Sample Volume Injected (cc)]

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	A1739	AS9819	12/31/2024	100
TO-15 STD	A974	AS10497	12/28/2024	50
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: V5W2132
Date: 12/16/2024
Laboratory Analyst: Thomas Hilbig
Columns: Rtx-1 (60m x 0.32mm x 1.0um)
GCMS Method: 5WTO15.M
Sequence File: 5W20241216.S
Initial Calibration Method: M5W2125.M
Concentrator Method: 5WTO15A.CTD3
Data Validator(s): Geralyn Gomez
Data Validator(s): Kristel Valladolid

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS

Example: Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig (750cc equivalent volume). This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister, 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20 (from canister dilution) and 20 (from instrument dilution) = 400.

Notes:

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	A1739	AS9819	12/31/2024	100
TO-15 STD	A974	AS10497	12/28/2024	50
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: V5W2133
Date: 12/17/2024
Laboratory Analyst: Thomas Hilbig
Columns: Rtx-1 (60m x 0.32mm x 1.0um)
GCMS Method: 5WTO15.M
Sequence File: 5W20241217.S
Initial Calibration Method: M5W2125.M
Concentrator Method: 5WTO15A.CTD3
Data Validator(s): Geralyn Gomez

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS
1-2	bfb	5w55695			Open position	20					RR	
1-1	cc2125-10	5w55696			A974	80					RR	canister valve closed
1-1	cc2125-10	5w55697			a974	80					RR	Bad injection.
1-1	cc2125-10	5w55698			a974	80					RR	Acetone ↓. Retune instrument
1-2	bfb	5w55699			Open position	20					OK	T = 19:52
1-1	cc2125-10	5w55700			a974	80			√	√	OK	THF ↑, MEK ↑, diisopropyl ether ↑, ethyl acetate ↑, ethyl acrylate ↑, bromoform ↑, HCBD ↑, 124TCB ↑
1-1	bs	5w55701			a974	80			√	√	OK	MEK ↑, bromoform ↑, HCBD ↑, 124TCB ↑
1-1	bsd	5w55702			a974	80					RR	Bad injection.
1-1	bsd	5w55703			a974	80			√	√	OK	THF ↑, MEK ↑, ethyl acetate ↑, ethyl acrylate ↑, bromoform ↑, HCBD ↑
1-2	ib	5w55704			a2039	80					-	
1-2	ib	5w55705			a2039	200					-	
1-2	mb	5w55706			a2039	400			√	√	OK	
1-3	scc,cp12947	5w55707			a061	400			√	√	OK	
1-4	scc,cp12946	5w55708			a2175	400			√	√	RECLEAN	Multiple hits.
1-3	scc,cp12948	5w55709			a2150	400			√	√	OK	
1-4	scc,cp12946	5w55710			a1184	400			√	√	RECLEAN	Nap ↑, 124TCB ↑
1-3	scc,cp12946	5w55711			m162	400			√	√	RECLEAN	ethanol hit
1-2	scc,cp12947	5w55712			a466	400			√	√	OK	
1-4	scc,cp12946	5w55713			a1184	400			√	√	OK	
1-3	scc,cp12947	5w55714			a2119	400			√	√	OK	
1-5	je2488-1	5w55715	MS88104	NYLL	a1324	500	1		↓123	√	RR	ISTD out
1-6	je2488-2	5w55716	MS88104	NYLL	a879	500	1		↓1	√	OK	for QC purpose only
1-6	je2488-2dup	5w55717	MS88104	NYLL	a879	500	1		↑1	√	OK	
1-7	je2489-2	5w55718	MS88104	NYLL	a1629	500	1		↓123	√	OK/DL	ISTD out
1-8	je2489-4	5w55719	MS88104	NYLL	a1190	500	1		↓123	√	RR	ISTD out
1-9	je2490-2	5w55720	MS88104	NYLL	a1736	500	1		↓1	√	OK/DL	
1-10	je2490-4	5w55721	MS88104	NYLL	a2540	500	1		√	√	OK/DL	
1-11	je2491-2	5w55722	MS88104	NYLL	a1735	500	1		√	√	OK/DL	
1-12	je2491-4	5w55723	MS88104	NYLL	a1688	500	1		√	√	OK/DL	
1-13	je2487-2	5w55724	MS88104	NYLL	a1678	100	1		√	√	OK	
1-14	je2487-4	5w55725	MS88104	NYLL	a1659	20	1		√	√	OK	
1-15	je2487-6	5w55726	MS88104	NYLL	a1284	100	1					Sequence stopped by analyst
1-16	je2487-3	5w55727	MS88104	NYSVLL	a1737	200	1					Sequence stopped by analyst

CANISTER SECONDARY DILUTION LOG

Pressure Gauge ID: TG -	5	Original Canister Dilution				Secondary Canister Dilution						
Date	Initial	Sample ID	Canister SN	Vacuum at Time of	Final Pressure (psig)	Dilution Factor	Canister SN	Canister	Sample Volume	Final Pressure	Equivalent Total Volume	Dilution Factor	Final Canister Dilution Factor

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	A1739	AS9819	12/31/2024	100
TO-15 STD	A974	AS10497	12/28/2024	50
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: V5W2133
Date: 12/17/2024
Laboratory Analyst: Thomas Hilbig
Columns: Rtx-1 (60m x 0.32mm x 1.0um)
GCMS Method: 5WTO15.M
Sequence File: 5W20241217.S
Initial Calibration Method: M5W2125.M
Concentrator Method: 5WTO15A.CTD3
Data Validator(s): Geralyn Gomez

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE		Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS	
Date	Initial	Sample ID	Canister SN	Dilution (inHg)	Final Pressure (psig)	Dilution Factor	Canister SN	Volume (cc)	Added (cc)	(psig)		(cc)	Dilution Factor	Final Canister Dilution Factor

Definition: Final Canister Dilution Factor (DF) = (Original Canister DF) x (Secondary Canister DF)
Dilution Factor at Instrument = Final Canister Dilution Factor x [Nominal Sampling Volume (cc) / Sample Volume Injected (cc)]

Example: Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig (750cc equivalent volume). This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister, 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20 (from canister dilution) and 20 (from instrument dilution) = 400.

Notes:

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	A1739	AS9819	12/31/2024	100
TO-15 STD	A974	AS10497	12/28/2024	50
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: V5W2135
Date: 12/19/2024
Laboratory Analyst: Thomas Hilbig
Columns: Rtx-1 (60m x 0.32mm x 1.0um)
GCMS Method: 5WTO15.M
Sequence File: 5W20241219.S
Initial Calibration Method: M5W2125.M
Concentrator Method: 5WTO15A.CTD3
Data Validator(s): Geralyn Gomez

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS
1-2	bfb	5w55749			a2039	400						
1-1	cc2125-10	5w55750			A974	80						
1-2	bfb	5w55751			a2039	20					OK	T = 15:40
1-1	cc2125-10	5w55752			A974	80			√	√	OK	MTBE ↑, THF ↑, MEK ↑, EACE ↑, MACRYLATE ↑, ETHYLACR ↑, MMC ↑, T3DCP ↑, octane ↑, nonane ↑, BMF ↑, HCBD ↑, 1,2ATCB ↑
1-1	bs	5w55753			A974	80			√	√	OK	TBA ↑, MTBE ↑, THF ↑, VACE ↑, MEK ↑, EACE ↑, MACRYLATE ↑, 1DDCA↑, ETHYLACR ↑, MMC ↑, T3DCP ↑, octane ↑, nonane ↑, BMF ↑, HCBD ↑, 1ATCB ↑
1-1	bsd	5w55754			A974	80			√	√	OK	TBA ↑, MTBE ↑, THF ↑, VACE ↑, MEK ↑, EACE ↑, MACRYLATE ↑, 24DMPT ↑, 12DCAT ↑, ETHYLACR ↑, heptane ↑, MMC ↑, T13DCP ↑, EMC ↑, octane ↑, nonane ↑, BMF ↑, HCBD ↑
1-2	ib	5w55755			a2039	400			√	√	OK	
1-2	mb	5w55756			a2039	400			√	√	OK	
1-3	scc,cp12949	5w55757			a1379	100			√	√	RR	reclean
1-4	scc,cp12949	5w55758			a2278	100			√	√	RR	reclean
1-5	scc,cp12949	5w55759			a2308	100			√	√	OK	
1-3	scc,cp12949	5w55760			a1379	100			√	√	OK	
1-4	scc,cp12949	5w55761			a2278	100			√	√	OK	
1-5	scc,cp12937	5w55762			a2268	100			√	√	OK	
1-6	je2666-1	5w55763	MS88187	STD	m174	100	1		√	√	OK	
1-6	je2666-1dup	5w55764	MS88187	STD	m174	100	1		√	√	OK	
1-7	je2389-1	5w55765	MS88056	STD, propbnz, cumene	a2359	310	1.55		√	√	OK	
1-8	je2808-1	5w55766	MS88278	STD+, Nap	a752	400	1		√	√	OK	
1-9	je2808-2	5w55767	MS88278	STD+, Nap	a902	400	1		√	√	OK	
1-10	je2487-1	5w55768	MS88104	NYSVLL, Nap	m140	400	1		↓3	√	OK/DL	Acetone ↑ RR 100mL
1-11	je2487-3	5w55769	MS88104	NYSVLL, Nap	a1737	100	1		√	√	OK	
1-12	je2487-5	5w55770	MS88104	NYSVLL, Nap	a1597	400	1		√	√	OK/DL	Acetone ↑ RR 100mL
1-13	je2487-6	5w55771	MS88104	NYLL, Nap	a1284	100	1		√	√	OK	
1-14	je2488-1	5w55772	MS88104	NYSVLL	a1324	500	1		√	√	OK	
1-15	je2488-2	5w55773	MS88104	NYSVLL	a879	500	1		√	√	OK	
1-16	je2489-1	5w55774	MS88104	NYSVLL	a231	400	1		↓3	√	RR	

CANISTER SECONDARY DILUTION LOG

Pressure Gauge ID: TG -		5	Original Canister Dilution				Secondary Canister Dilution						
Date	**Initial**	**Sample ID**	**Canister SN**	**Vacuum at Time of Dilution (inHg)**	**Final Pressure (psig)**	**Dilution Factor**	**Canister SN**	**Canister Volume (cc)**	**Sample Volume Added (cc)**	**Final Pressure (psig)**	**Equivalent Total Volume (cc)**	**Dilution Factor**	**Final Canister Dilution Factor**

Definition: Final Canister Dilution Factor (DF) = (Original Canister DF) x (Secondary Canister DF)
Dilution Factor at Instrument = Final Canister Dilution Factor x [Nominal Sampling Volume (cc) / Sample Volume Injected (cc)]

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	A1739	AS9819	12/31/2024	100
TO-15 STD	A974	AS10497	12/28/2024	50
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: **V5W2135**
Date: **12/19/2024**
Laboratory Analyst: **Thomas Hilbig**
Columns: Rtx-1 (60m x 0.32mm x 1.0um)
GCMS Method: 5WTO15.M
Sequence File: 5W20241219.S
Initial Calibration Method: M5W2125.M
Concentrator Method: 5WTO15A.CTD3
Data Validator(s): **Geralyn Gomez**

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS
Example:	Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig (750cc equivalent volume). This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister, 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20 (from canister dilution) and 20 (from instrument dilution) = 400.											
Notes:												

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	A1739	AS9819	12/31/2024	100
TO-15 STD	A974	AS10497	12/28/2024	50
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: V5W2138
Date: 12/23/2024
Laboratory Analyst: Thomas Hilbig
Columns: Rtx-1 (60m x 0.32mm x 1.0um)
GCMS Method: 5WTO15.M
Sequence File: 5W20241223.S
Initial Calibration Method: M5W2125.M
Concentrator Method: 5WTO15A.CTD3
Data Validator(s): Geralyn Gomez
Data Validator(s): Kristel Valladolid

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS
1-2	bfb	5w55817			a2039	20					RR	
1-1	bfb	5w55818			A974	80					OK	T = 08:13
1-1	cc2125-10	5w55819			A974	80			√	√	OK	BMF ↑, HCBD ↑, 124TCB ↑
1-1	bs	5w55820			A974	80			√	√	OK	BMF ↑, HCBD ↑, 124TCB ↑
1-1	bsd	5w55821			A974	80			√	√	OK	BMF ↑, HCBD ↑, 124TCB ↑
1-2	ib	5w55822			a2039	400			√	√	OK	
1-2	mb	5w55823			a2039	400			√	√	OK	
1-2	scc,cp12951	5w55824			a1634	400			√	√	OK	
1-3	je2315-1	5w55825	MS88014	STD	a210	400	1		√	√	OK	
1-3	je2315-1dup	5w55826	MS88014	STD	a210	400	1		√	√	OK	
1-4	je2487-1	5w55827	MS88104	NYSVLL, Nap	m140	100	1		√	√	OK	
1-5	je2487-5	5w55828	MS88104	NYSVLL, Nap	a1597	100	1		√	√	OK	
1-6	je2489-1	5w55829	MS88104	NYSVLL, Nap	a231	400	1		√	√	OK	
1-7	je2490-1	5w55830	MS88104	NYSVLL, Nap	a1761	20	1		√	√	OK	
1-8	je2491-2	5w55831	MS88104	NYLL, Nap	a1735,m442	200	135		√	√	OK	
1-9	je2491-4	5w55832	MS88104	NYLL, Nap	a1688	5	1		√	√	OK/DL	Acetate ↑ RR 200x
1-10	je2661-3	5w55833	MS88187	STD	a664	400	1		√	√	OK	
1-11	je2661-4	5w55834	MS88187	STD	m116	400	1		√	√	OK	
1-12	je2661-5	5w55835	MS88187	STD	a2137	400	1		√	√	OK	
1-13	je2792-1	5w55836	MS88386	STD	a738	400	1		√	√	OK	
1-14	je2792-2	5w55837	MS88386	STD	a2109	400	1		√	√	OK	
1-15	je2792-3	5w55838	MS88386	STD	a1817	400	1		√	√	OK/DL	Ethyl acetate ↑ RR 100mL
1-16	je2792-4	5w55839	MS88386	STD	a1873	720	1.8		√	√	OK	
1-2	je2792-5	5w55840	MS88386	STD	m137	400	1				RR	Canister valve closed.

CANISTER SECONDARY DILUTION LOG

Pressure Gauge ID: TG -		5	Original Canister Dilution				Secondary Canister Dilution						
Date	**Initial**	**Sample ID**	**Canister SN**	**Vacuum at Time of Dilution (inHg)**	**Final Pressure (psig)**	**Dilution Factor**	**Canister SN**	**Canister Volume (cc)**	**Sample Volume Added (cc)**	**Final Pressure (psig)**	**Equivalent Total Volume (cc)**	**Dilution Factor**	**Final Canister Dilution Factor**
12/23/2024	TH	je2491-2	a1735	6.0	1.20	1.35	m442	1000	20	14.7	2000	100	**135**

Definition: Final Canister Dilution Factor (DF) = (Original Canister DF) x (Secondary Canister DF)
Dilution Factor at Instrument = Final Canister Dilution Factor x [Nominal Sampling Volume (cc) / Sample Volume Injected (cc)]

Example: Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig (750cc equivalent volume). This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister, 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20 (from canister dilution) and 20 (from instrument dilution) = 400.

Notes:

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Conc. (ppbv)**
Internal/Surrogate	1738	AS10298	5/31/2025	100
TO-15 STD	A2038	AS10402	9/18/2024	0.5
TO-15 STD	A2045	AS10401	9/18/2024	5.0
TO-15 STD	A1805	AS10384	9/14/2024	50
TO-15 LCS	A1795	AS10393	9/15/2024	50
TO-15 LCS (Stock)	CC-305926	AS10352	6/12/2025	1000
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: V7W305
Date: 8/18/2024
Laboratory Analyst: Benjamin Kim
Columns: Rtx-1 (60mx0.32mmx1.0um)
GCMS Method: 7WTO15SPLIT.M
Sequence File: 7W20240818ical.S
Initial Calibration Method: M7W305.M
Concentrator Method: 7WTO15.7200A.CTD
Data Validator: Benjamin Kim

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS
2-5	ib	7w07973			A2036	100					-	
2-1	bfb	7w07974			A2038	32					OK	T = 21:06
2-1	ic305-0.04	7w07975	MS80966	STD+NAP	A2038	32			√	√	OK	
2-1	ic305-0.1	7w07976	MS80966	STD+NAP	A2038	80			√	√	OK	
2-1	ic305-0.2	7w07977	MS80966	STD+NAP	A2038	160			√	√	OK	
2-2	ic305-0.5	7w07978	MS80966	STD+NAP	A2045	40			√	√	OK	
2-2	ic305-5	7w07979	MS80966	STD+NAP	A2045	400			√	√	OK	
2-3	icc305-10	7w07980	MS80966	STD+NAP	A1805	80			√	√	OK	
2-3	ic305-20	7w07981	MS80966	STD+NAP	A1805	160			√	√	OK	
2-3	ic305-40	7w07982	MS80966	STD+NAP	A1805	320			√	√	OK	
2-3	ic305-50	7w07983	MS80966	STD+NAP	A1805	400			√	√	OK	
2-5	ib	7w07984			A2036	20					-	
2-5	ib	7w07985			A2036	100					-	
2-4	icv305-10	7w07986	MS80966	STD+NAP	A1795	100					NOT USED	Wrong volume.
2-5	ib	7w07987			A2036	100					-	
2-5	ib	7w07988			A2036	100					-	
2-5	ib	7w07989			A2036	100					-	
2-4	icv305-10	7w07990	MS80966	STD+NAP	A1795	80			√	√	OK	↑ Benzyl Chloride

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	1738	AS10298	5/31/2025	100
TO-15 STD	a1805	AS10476	11/28/2024	50
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: V7W379
Date: 11/6/2024
Laboratory Analyst: Thomas Hilbig
Column DB-1: 30m x 0.25mm x 0.5um
GCMS Method: 7WTO15SPLIT.M
Sequence File: 7W20241106.S
Initial Calibration Method: M7W305.M
Concentrator Method: 7WTO15C.7200A.CTD
Data Validator(s): Lucky Carandang
Data Validator(s): Geralyn Gomez

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS
C1	bfb	7w10298			a2036	20					OK	T = 08:30
C2	cc305-10	7w10299			a1805	80			√	√	OK	Benzyl chloride ↑, F152A ↑
C2	bs	7w10300			a1805	80			√	√	OK	Benzyl chloride ↑, F152A ↑, F115 ↑
C2	bsd	7w10301			a1805	80			√	√	OK	Benzyl chloride ↑, F152A ↑, F115 ↑
C1	ib	7w10302			a2036	100					-	
C1	mb	7w10303			a2036	400		+	√	√	OK	
C3	jd98975-1	7w10304	MS86560	SL+	a2527	400	1	+	√	√	OK	
C3	jd98975-1dup	7w10305	MS86560	SL+	a2527	400	1		√	√	OK	
C4	jd98975-2	7w10306	MS86560	SL+	a2532	400	1	+	√	√	OK	
C5	jd98975-3	7w10307	MS86560	SL+	a2492	592	1.48	+	√	√	OK	
C6	jd98975-4	7w10308	MS86560	SL+	a2465	400	1	+	√	√	OK	
C7	jd98975-5	7w10309	MS86560	SL+	a2476	400	1	+	√	√	OK	
A1	jd99451-1	7w10310	MS86734	STD, Nap	a1944	20	1		√	√	OK	
C8	scc,cp12898	7w10311			a1763	400			√	√	OK	
C9	scc,cp12898	7w10312			a295	400			√	√	OK	
D1	scc,cp12898	7w10313			a858	400			√	√	OK	
D2	scc,cp12898	7w10314			m172	400			√	√	OK	
C3	scc,cp12909	7w10315			a276	400			√	√	OK	
C4	scc,cp12909	7w10316			a1206	400			√	√	OK	
C5	scc,cp12909	7w10317			a2027	400			√	√	OK	
C6	scc,cp12909	7w10318			a2131	400			√	√	OK	
C7	scc,cp12909	7w10319			a1741	400			√	√	OK	
C8	scc,cp12909	7w10320			a1711	400			√	√	RR	Wrong canister connected to autosampler.
A2	scc,cp12912	7w10321			a1561	100			√	√	OK	
A3	scc,cp12913	7w10322			a1455	100			√	√	OK	
A4	scc,cp12913	7w10323			a2550	100			√	√	OK	
A5	scc,cp12913	7w10324			a1543	100			√	√	OK	
A6	scc,cp12913	7w10325			a2590	100			√	√	OK	02:47am
C8	scc,cp12915	7w10326			a2499	400			√	√	OK	
C9	scc,cp12915	7w10327			a2479	400			√	√	OK	
D1	scc,cp12915	7w10328			a2519	400			√	√	OK	
D2	scc,cp12915	7w10329			a2536	400			√	√	OK	
D3	scc,cp12915	7w10330			a2481	400			√	√	OK	
D4	scc,cp12915	7w10331			a2525	400			√	√	OK	
D5	scc,cp12915	7w10332			a2515	400			√	√	OK	
D6	scc,cp12915	7w10333			a2470	400			√	√	OK	t = 08:18
D7	scc,cp12915	7w10334			a2514	400					NOT USED	Analyst stopped sequence.
D8	scc,cp12915	7w10335			a2446	400					NOT USED	Analyst stopped sequence.

CANISTER SECONDARY DILUTION LOG

Pressure Gauge ID: TG -		5	Original Canister Dilution				Secondary Canister Dilution						
Date	**Initial**	**Sample ID**	**Canister SN**	**Vacuum at Time of Dilution (inHg)**	**Final Pressure (psig)**	**Dilution Factor**	**Canister SN**	**Canister Volume (cc)**	**Sample Volume Added (cc)**	**Final Pressure (psig)**	**Equivalent Total Volume (cc)**	**Dilution Factor**	**Final Canister Dilution Factor**

Definition: Final Canister Dilution Factor (DF) = (Original Canister DF) x (Secondary Canister DF)
Dilution Factor at Instrument = Final Canister Dilution Factor x [Nominal Sampling Volume (cc) / Sample Volume Injected (cc)]

Example: Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig (750cc equivalent volume). This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister, 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20 (from canister dilution) and 20 (from instrument dilution) = 400.

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	1738	AS10298	5/31/2025	100
TO-15 STD	a1805	AS10476	11/28/2024	50
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: **V7W379**
Date: **11/6/2024**
Laboratory Analyst: **Thomas Hilbig**
Column DB-1: 30m x 0.25mm x 0.5um
GCMS Method: 7WTO15SPLIT.M
Sequence File: 7W20241106.S
Initial Calibration Method: M7W305.M
Concentrator Method: 7WTO15C.7200A.CTD
Data Validator(s): **Lucky Carandang**
Data Validator(s): **Geralyn Gomez**

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS

Notes:

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	1738	AS10298	5/31/2025	100
TO-15 STD	a1805	AS10476	11/28/2024	50
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: V7W387
Date: 11/18//2024
Laboratory Analyst: Thomas Hilbig
Column DB-1: 30m x 0.25mm x 0.5um
GCMS Method: 7WTO15SPLIT.M
Sequence File: 7W20241118.S
Initial Calibration Method: M7W305.M
Concentrator Method: 7WTO15C.7200A.CTD
Data Validator(s): Lucky Carandang
Data Validator(s): Kristel Valladolid

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS
C1	bfb	7w10575			a2039	20					OK	t = 08:59
C2	cc305-10	7w10576			a1805	80			√	√	OK	Benzyl chloride ↑, F115 ↑
C2	bs	7w10577			a1805	80			√	√	OK	Benzyl chloride ↑, F115 ↑, F152A ↑
C2	bsd	7w10578			a1805	80			√	√	OK	Benzyl chloride ↑, F115 ↑, F152A ↑
C1	ib	7w10579			a2039	100					-	
C1	mb	7w10580			a2039	400		+	√	√	OK	
C3	je571-1	7w10581	MS87221	VTO15NYLL3NG42A+20, F142B	m036	100	1		√	√	RR	Bad purge
C4	jd99820-1	7w10582	MS86930	SL1	a900	400	1		√	√	OK	
C4	jd99820-1dup	7w10583	MS86930	SL1	a900	400	1		√	√	OK	
C5	je569-1	7w10584	MS87221	STD+, Nap	a473	400	1	+	√	√	OK	
C6	je569-3	7w10585	MS87221	STD+, Nap	a345	400	1	+	√	√	RR	Bad purge
C7	je569-4	7w10586	MS87221	STD+, Nap	a1835	400	1	+	√	√	OK	
C8	je569-5	7w10587	MS87221	STD+, Nap	a1350	400	1	+	√	√	OK	
C9	je569-6	7w10588	MS87221	STD+, Nap	a1301	400	1	+	√	√	OK	
D1	je569-8	7w10589	MS87221	STD+, Nap	m226	400	1	+			RR	4-Bromofluorobenzene RT shift
D2	je569-9	7w10590	MS87221	STD+, Nap	m118	400	1	+	√	√	OK	
D3	je603-1	7w10591	MS87221	STD+, Nap	a1645	400	1	+	√	√	OK	
D4	je603-2	7w10592	MS87221	STD+, Nap	a357	400	1	+	√	√	OK	
C3	je571-1	7w10593	MS87221	VTO15NYLL3NG42A+20, F142B	m036	100	1		√	√	OK	
A1	jd435-1	7w10594	MS87175	STD, Nap	a1972	100	1		√	√	OK	
A2	jd435-5	7w10595	MS87175	STD, Nap	a2269	100	1		√	√	OK	
A3	jd435-6	7w10596	MS87175	STD, Nap	a2569	100	1		√	√	OK	
A4	jd605-1	7w10597	MS87221	STD, Nap	a2586	100	1		√	√	OK	
A5	jd605-2	7w10598	MS87221	STD, Nap	a2596	100	1		√	√	OK	
A6	jd605-3	7w10599	MS87221	STD, Nap	a2271	100	1		√	√	OK	
A7	jd99809-1	7w10600	MS86930	PAUGTMB, EDB, EDC	a1524	100	1		√	√	RR	ISTD/SURR RT shift
A8	jd99809-2	7w10601	MS86930	PAUGTMB, EDB, EDC	a2305	100	1		√	√	OK	
A9	jd99809-3	7w10602	MS86930	PAUGTMB, EDB, EDC	a2198	100	1		√	√	OK	
A10	scc, cp12923	7w10603			a2567	100			√	√	OK	
B1	scc, cp12924	7w10604			a1450	100			√	√	OK	
D5	scc, cp12922	7w10605			a779	400			√	√	OK	
D6	scc, cp12922	7w10606			a1171	400			√	√	OK	
D7	scc, cp12922	7w10607			m053	400			√	√	OK	
C6	je569-3	7w10608	MS87221	STD+, Nap	a345	400	1	+	√	√	OK	6:51

CANISTER SECONDARY DILUTION LOG

Pressure Gauge ID: TG -		5	Original Canister Dilution				Secondary Canister Dilution						
Date	**Initial**	**Sample ID**	**Canister SN**	**Vacuum at Time of Dilution (inHg)**	**Final Pressure (psig)**	**Dilution Factor**	**Canister SN**	**Canister Volume (cc)**	**Sample Volume Added (cc)**	**Final Pressure (psig)**	**Equivalent Total Volume (cc)**	**Dilution Factor**	**Final Canister Dilution Factor**

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	1738	AS10298	5/31/2025	100
TO-15 STD	a1805	AS10476	11/28/2024	50
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: **V7W387**
Date: **11/18//2024**
Laboratory Analyst: **Thomas Hilbig**
Column DB-1: 30m x 0.25mm x 0.5um
GCMS Method: 7WTO15SPLIT.M
Sequence File: 7W20241118.S
Initial Calibration Method: M7W305.M
Concentrator Method: 7WTO15C.7200A.CTD
Data Validator(s): **Lucky Carandang**
Data Validator(s): **Kristel Valladolid**

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE		Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS		COMMENTS	

Definition: Final Canister Dilution Factor (DF) = (Original Canister DF) x (Secondary Canister DF)
Dilution Factor at Instrument = Final Canister Dilution Factor x [Nominal Sampling Volume (cc) / Sample Volume Injected (cc)]

Example: Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig (750cc equivalent volume). This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister, 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20 (from canister dilution) and 20 (from instrument dilution) = 400.

Notes:

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	1738	AS10298	5/31/2025	100
TO-15 STD	a1806	AS10475	11/28/2024	50
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: V7W392
Date: 11/25/2024
Laboratory Analyst: William Cruser
Column DB-1: 30m x 0.25mm x 0.5um
GCMS Method: 7WTO15SPLIT.M
Sequence File: 7W20241125.S
Initial Calibration Method: M7W305.M
Concentrator Method: 7WTO15C.7200A.CTD
Data Validator(s): Geralyn Gomez
Data Validator(s): Lucky Carandang

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS
C1	bfb	7w10742			a2039	20					OK	t = 08:36
C2	cc305-10	7w10743			a1806	80			√	√	OK	Benzyl chloride ↑
C2	bs	7w10744			a1806	80			√	√	OK	Benzyl chloride ↑
C2	bsd	7w10745			a1806	80			√	√	OK	Benzyl chloride ↑
C1	ib	7w10746			a2039	100					-	
C1	mb	7w10747			a2039	100			√	√	OK	
D1	je988-1	7w10748	MS87406	STD	a673	5	1		√	√	OK	
D2	je988-2	7w10749	MS87406	STD	a1091	5	1		√	√	OK	
D3	je988-3	7w10750	MS87406	STD	a845	5	1		√	√	OK	
D4	je988-4	7w10751	MS87406	STD	a1318	5	1		√	√	OK	
D5	je988-5	7w10752	MS87406	STD	a992	400	1		√	√	OK	
A1	je994-1	7w10753	MS87406	SL	a2210	80	1		↑3		RR	surr out; istd out
A2	je994-2	7w10754	MS87406	SL	a2300	100	1		√	√	OK	
A2	je994-2dup	7w10755	MS87406	SL	a2300	100	1				RR	bad injection
A2	je994-2dup	7w10756	MS87406	SL	a2300	100	1				RR	bad injection
A3	je1061-1	7w10757	MS87455	SL	a2253	20	1		√	√	OK	
A4	je1061-3	7w10758	MS87455	SL	a2380	10	1		√	√	RR/FD	
A5	je1061-4	7w10759	MS87455	SL	a2243	10	1		√	√	RR/FD	
A6	je1061-5	7w10760	MS87455	SL	a2225	5	1		√	√	RR/FD	
A7	je1061-7	7w10761	MS87455	SL	a2287	10	1		√	√	RR/FD	
C1	ib	7w10762			a2039	20					-	
A8	je1061-2	7w10763	MS87455	SL	a2431	100	1		√	√	OK	
A9	je1061-9	7w10764	MS87455	SL	a2209	100	1		√	√	OK	
A10	je1061-10	7w10765	MS87455	SL	a2270	100	1		√	√	OK	
D6	je1061-6	7w10766	MS87455	SL	a2581,m163	400	260		√	√	OK	
D7	je1061-8	7w10767	MS87455	SL	a2587,a1758	400	266		√	√	OK	
C3	je369-3	7w10768	MS87131	SL3	a233	400	1		√	√	OK	
C4	je369-4	7w10769	MS87131	SL3	a2160	400	1		√	√	RR	low ISTD
C5	je369-5	7w10770	MS87131	SL3	a216	400	1		√	√	RR	RT shift
A1	je994-1	7w10771	MS87406	SL	a2210	100	1		√	√	OK	
C6	scc,cp12920	7w10772			a1623	400			√	√	OK	
C7	scc,cp12920	7w10773			a1689	400			√	√	OK	
C8	scc,cp12920	7w10774			a2010	400			√	√	OK	
C9	scc,cp12920	7w10775			a2095	400			√	√	OK	
D1	scc,cp12926	7w10776			a2187	400			√	√	RECLEAN	
D8	scc,cp12926	7w10777			a1858	400			√	√	OK	
D9	scc,cp12926	7w10778			a2144	400			√	√	RECLEAN	
A10	je1061-10dup	7w10779	MS87455	SL	a2270	100	1		√	√	OK	

CANISTER SECONDARY DILUTION LOG

Pressure Gauge ID: TG -		5	Original Canister Dilution				Secondary Canister Dilution						
Date	**Initial**	**Sample ID**	**Canister SN**	**Vacuum at Time of Dilution (inHg)**	**Final Pressure (psig)**	**Dilution Factor**	**Canister SN**	**Canister Volume (cc)**	**Sample Volume Added (cc)**	**Final Pressure (psig)**	**Equivalent Total Volume (cc)**	**Dilution Factor**	**Final Canister Dilution Factor**
11/25/2024	wc	je1061-6	a2581	5.0	1.20	1.30	m163	6000	50	9.8	10000	200	**260**
11/25/2024	wc	je1061-8	a2587	5.5	1.20	1.33	a1758	6000	50	9.8	10000	200	**266**

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	1738	AS10298	5/31/2025	100
TO-15 STD	a1806	AS10475	11/28/2024	50
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: V7W392
Date: 11/25/2024
Laboratory Analyst: William Cruser
Column DB-1: 30m x 0.25mm x 0.5um
GCMS Method: 7WTO15SPLIT.M
Sequence File: 7W20241125.S
Initial Calibration Method: M7W305.M
Concentrator Method: 7WTO15C.7200A.CTD
Data Validator(s): Geralyn Gomez
Data Validator(s): Lucky Carandang

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE		Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS		COMMENTS	

Definition: Final Canister Dilution Factor (DF) = (Original Canister DF) x (Secondary Canister DF)
Dilution Factor at Instrument = Final Canister Dilution Factor x [Nominal Sampling Volume (cc) / Sample Volume Injected (cc)]

Example: Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig (750cc equivalent volume). This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister, 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20 (from canister dilution) and 20 (from instrument dilution) = 400.

Notes:

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

Groundwater & Environmental Services

Regency Center Carmel ShopRite Plaza, Carmel, NY

1192323-02-210-1111

SGS Job Number: JE2489

Sampling Date: 12/10/24



Report to:

Groundwater & Environmental Services
63 East Street Suite 3
Pawling, NY 12564
MDegloria@GESOnline.com; neregion@gesonline.com

ATTN: Michael DeGloria

Total number of pages in report: **494**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable unless noted in the narrative, comments or footnotes.

Olga Azarian
Technical Director

Client Service contact: Marie Meidhof 732-329-0200
Certifications: NJ(12129),NY(10983),CA,CO,CT,FL,HI,IL,IN,KY,LA (120428),MA,MD,ME,MN,NC,NH,NV, AK (UST-103),AZ (AZ0786),PA(68-00408),RI,SC,TX (T104704234),UT,VA,WA,WV

This report shall not be reproduced, except in its entirety, without the written approval of SGS.
Test results relate only to samples analyzed.

SGS is the sole authority for authorizing edits or modifications to this document.
Unauthorized modification of this report is strictly prohibited.
Review standard terms at: http://www.sgs.com/en/terms-and-conditions

Please share your ideas about
how we can serve you better at:
EHS.US.CustomerCare@sgs.com

Table of Contents

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **4**
Section 3: Summary of Hits **7**
Section 4: Sample Results **11**
4.1: JE2489-1: SS-7 12
4.2: JE2489-2: IA-7 15
4.3: JE2489-3: SS-8 18
4.4: JE2489-4: IA-8 21
Section 5: Misc. Forms **24**
5.1: Chain of Custody 25
5.2: Summa Canister and Flow Controller Log 27
5.3: Sample Tracking Chronicle 28
Section 6: MS Volatiles - QC Data Summaries **29**
6.1: Method Blank Summary 30
6.2: Blank Spike/Blank Spike Duplicate Summary 45
6.3: Duplicate Summary 60
6.4: Summa Cleaning Certification 66
6.5: Instrument Performance Checks (BFB) 75
6.6: Internal Standard Area Summaries 85
6.7: Initial Calibration RT/ISTD Area Summaries 90
6.8: Surrogate Recovery Summaries 144
6.9: Initial and Continuing Calibration Summaries 145
6.10: Run Sequence Reports 174
Section 7: MS Volatiles - Raw Data **181**
7.1: Samples 182
7.2: Method Blanks 249
7.3: Blank Spike/Blank Spike Duplicates 259
7.4: Duplicates 308
7.5: Summa Cleaning Certifications 331
7.6: Instrument Performance Checks (BFB) 337
7.7: Initial and Continuing Calibrations 351
7.8: Instrument Run Logs 484

SGS North America Inc.

Sample Summary

Groundwater & Environmental Services

Job No: JE2489

Regency Center Carmel ShopRite Plaza, Carmel, NY
Project No: 1192323-02-210-1111

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
This report contains results reported as ND = Not detected. The following applies:							
Organics ND = Not detected above the RL							
JE2489-1	12/10/24	18:55	RB	12/12/24	AIR	Soil Vapor Comp.	SS-7
JE2489-2	12/10/24	19:00	RB	12/12/24	AIR	Indoor Air Comp.	IA-7
JE2489-3	12/10/24	19:05	RB	12/12/24	AIR	Soil Vapor Comp.	SS-8
JE2489-4	12/10/24	19:10	RB	12/12/24	AIR	Indoor Air Comp.	IA-8

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	Groundwater & Environmental Services	**Job No:**	JE2489
Site:	Regency Center Carmel ShopRite Plaza, Carmel, NY	**Report Date**	12/26/2024 5:22:13 A

On 12/12/2024, 4 sample(s), 0 Trip Blank(s), 0 Equip. Blank(s) and 0 Field Blank(s) were received at SGS North America Inc. (SGS). The samples were intact and properly preserved, unless noted below. An SGS Job Number of JE2489 was assigned to the project. The lab sample ID, client sample ID, and date of sample collection are detailed in the report's Results Summary.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

MS Volatiles By Method TO-15

Matrix: AIR **Batch ID:** V5W2136

- All samples were analyzed within the recommended method holding time.
- Sample(s) JE2665-1DUP were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JE2489-2, JE2489-3, JE2489-4 have compounds reported with "E" qualifiers indicating estimated value exceeding calibration range.
- The blank spike (BS) recovery(s) of Bromoform, Hexachlorobutadiene, 1,2,4-Trichlorobenzene, 1,3-Butadiene, Acetone (2-Propanone), Methyl ethyl ketone, Tetrahydrofuran are outside control limits.
- The duplicate RPD(s) for 1,2,4-Trichlorobenzene, Naphthalene, o-Dichlorobenzene, Trichloroethylene are outside control limits for sample JE2665-1DUP. RPD acceptable due to low DUP and sample concentrations.
- JE2489-2 for Ethyl Acetate: Associated CCV outside of control limits high.
- JE2489-2 for Methyl ethyl ketone: Associated CCV outside of control limits high. This compound in blank spike is outside in house QC limits bias high.
- JE2489-2 for Acetone (2-Propanone): Associated CCV outside of control limits low. This compound in blank spike is outside in house QC limits bias low.
- JE2489-2 for Vinyl Acetate: This compound in blank spike duplicate is outside in house QC limits bias high.
- JE2489-2 for Bromomethane: This compound in blank spike duplicate is outside in house QC limits bias low.
- JE2489-2 for Tetrahydrofuran: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2489-2 for 1,3-Butadiene: This compound in blank spike is outside in house QC limits bias low.
- V5W2136-BS for Tetrahydrofuran: Outside in house control limits.
- JE2489-3 for Bromoform: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2489-2 for Chloroethane: This compound in blank spike duplicate is outside in house QC limits bias low.
- JE2489-2 for Hexachlorobutadiene: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2489-3 for Hexachlorobutadiene: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2489-2 for 1,2,4-Trichlorobenzene: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2489-3 for 1,2,4-Trichlorobenzene: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- V5W2136-BS for Methyl ethyl ketone: Outside in house control limits.
- V5W2136-BS for Acetone (2-Propanone): Outside in house control limits.
- V5W2136-BS for 1,3-Butadiene: Outside in house control limits.
- V5W2136-BS for 1,2,4-Trichlorobenzene: Outside in house control limits.

MS Volatiles By Method TO-15

Matrix: AIR **Batch ID:** V5W2136

- V5W2136-BS for Hexachlorobutadiene: High percent recovery and no associated positive reported in the QC batch.
- V5W2136-BS for Bromoform: High percent recovery and no associated positive reported in the QC batch.
- JE2489-2 for Bromoform: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2489-4 for Acetone (2-Propanone): Associated CCV outside of control limits low. This compound in blank spike is outside in house QC limits bias low.
- JE2489-4 for 1,3-Butadiene: This compound in blank spike is outside in house QC limits bias low.
- JE2489-4 for Ethanol: This compound in blank spike duplicate is outside in house QC limits bias low.
- JE2489-4 for Chloroethane: This compound in blank spike duplicate is outside in house QC limits bias low.
- JE2489-2 for Ethanol: This compound in blank spike duplicate is outside in house QC limits bias low.
- JE2489-4 for Vinyl Acetate: This compound in blank spike duplicate is outside in house QC limits bias high.
- JE2489-3 for Tetrahydrofuran: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2489-4 for Methyl ethyl ketone: Associated CCV outside of control limits high. This compound in blank spike is outside in house QC limits bias high.
- JE2489-4 for Ethyl Acetate: Associated CCV outside of control limits high.
- JE2489-4 for Tetrahydrofuran: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2489-4 for Hexachlorobutadiene: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2489-3 for Ethyl Acetate: Associated CCV outside of control limits high.
- JE2489-4 for 1,2,4-Trichlorobenzene: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2489-3 for 1,3-Butadiene: This compound in blank spike is outside in house QC limits bias low.
- JE2489-3 for Ethanol: This compound in blank spike duplicate is outside in house QC limits bias low.
- JE2489-3 for Chloroethane: This compound in blank spike duplicate is outside in house QC limits bias low.
- JE2489-3 for Bromomethane: This compound in blank spike duplicate is outside in house QC limits bias low.
- JE2489-3 for Vinyl Acetate: This compound in blank spike duplicate is outside in house QC limits bias high.
- JE2489-3 for Acetone (2-Propanone): Associated CCV outside of control limits low. This compound in blank spike is outside in house QC limits bias low.
- JE2489-3 for Methyl ethyl ketone: Associated CCV outside of control limits high. This compound in blank spike is outside in house QC limits bias high.
- JE2489-4 for Bromomethane: This compound in blank spike duplicate is outside in house QC limits bias low.
- JE2489-4 for Bromoform: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.

Matrix: AIR **Batch ID:** V5W2138

- All samples were analyzed within the recommended method holding time.
- Sample(s) JE2315-1DUP were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JE2489-1 have compounds reported with “E” qualifiers indicating estimated value exceeding calibration range.
- The blank spike (BS) recovery(s) of 1,2,4-Trichlorobenzene, Bromoform, Hexachlorobutadiene are outside control limits.
- The duplicate RPD(s) for 1,2,4-Trichlorobenzene, Naphthalene, o-Dichlorobenzene, Trichloroethylene are outside control limits for sample JE2315-1DUP. RPD acceptable due to low DUP and sample concentrations.
- JE2489-1 for Hexachlorobutadiene: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- V5W2138-BS for 1,2,4-Trichlorobenzene: High percent recovery and no associated positive reported in the QC batch.

MS Volatiles By Method TO-15

Matrix: AIR **Batch ID:** V5W2138

- V5W2138-BS for Bromoform: High percent recovery and no associated positive reported in the QC batch.
- V5W2138-BS for Hexachlorobutadiene: High percent recovery and no associated positive reported in the QC batch.
- JE2489-1 for 1,2,4-Trichlorobenzene: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2489-1 for Bromoform: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.

SGS certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting SGS's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

SGS is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. This report is authorized by SGS indicated via signature on the report cover.

Summary of Hits

Job Number: JE2489
Account: Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY
Collected: 12/10/24

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JE2489-1	**SS-7**					
Acetone (2-Propanone)		14.0	0.20		ppbv	TO-15
Benzene		0.26	0.20		ppbv	TO-15
Dichlorodifluoromethane		2.7	0.20		ppbv	TO-15
m-Dichlorobenzene		0.28	0.10		ppbv	TO-15
Ethanol		160 E	0.50		ppbv	TO-15
Ethyl Acetate		6.7	0.20		ppbv	TO-15
Heptane		0.33	0.20		ppbv	TO-15
Hexane		1.6	0.20		ppbv	TO-15
Isopropyl Alcohol		48.9	0.20		ppbv	TO-15
Methylene chloride		1.9	0.20		ppbv	TO-15
Methyl ethyl ketone		2.1	0.20		ppbv	TO-15
Naphthalene		0.21	0.20		ppbv	TO-15
Tertiary Butyl Alcohol		4.3	0.20		ppbv	TO-15
Tetrachloroethylene		12.4	0.040		ppbv	TO-15
Toluene		0.69	0.20		ppbv	TO-15
Trichloroethylene		0.051	0.040		ppbv	TO-15
Trichlorofluoromethane		20.8	0.10		ppbv	TO-15
Vinyl Acetate		0.95	0.20		ppbv	TO-15
m,p-Xylene		0.27	0.20		ppbv	TO-15
Xylenes (total)		0.37	0.20		ppbv	TO-15
Acetone (2-Propanone)		33.3	0.48		ug/m3	TO-15
Benzene		0.83	0.64		ug/m3	TO-15
Dichlorodifluoromethane		13	0.99		ug/m3	TO-15
m-Dichlorobenzene		1.7	0.60		ug/m3	TO-15
Ethanol		301 E	0.94		ug/m3	TO-15
Ethyl Acetate		24	0.72		ug/m3	TO-15
Heptane		1.4	0.82		ug/m3	TO-15
Hexane		5.6	0.70		ug/m3	TO-15
Isopropyl Alcohol		120	0.49		ug/m3	TO-15
Methylene chloride		6.6	0.69		ug/m3	TO-15
Methyl ethyl ketone		6.2	0.59		ug/m3	TO-15
Naphthalene		1.1	1.0		ug/m3	TO-15
Tertiary Butyl Alcohol		13	0.61		ug/m3	TO-15
Tetrachloroethylene		84.1	0.27		ug/m3	TO-15
Toluene		2.6	0.75		ug/m3	TO-15
Trichloroethylene		0.27	0.21		ug/m3	TO-15
Trichlorofluoromethane		117	0.56		ug/m3	TO-15
Vinyl Acetate		3.3	0.70		ug/m3	TO-15
m,p-Xylene		1.2	0.87		ug/m3	TO-15
Xylenes (total)		1.6	0.87		ug/m3	TO-15

Summary of Hits

Job Number: JE2489
Account: Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY
Collected: 12/10/24

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JE2489-2	**IA-7**					
Acetone (2-Propanone) [a]		21.0	0.16		ppbv	TO-15
Benzene		0.44	0.16		ppbv	TO-15
Chloroform		0.17	0.16		ppbv	TO-15
Chloromethane		0.52	0.16		ppbv	TO-15
Carbon tetrachloride		0.084	0.032		ppbv	TO-15
Dichlorodifluoromethane		0.50	0.16		ppbv	TO-15
Ethanol [b]		530 E	0.40		ppbv	TO-15
Ethyl Acetate [c]		4.0	0.16		ppbv	TO-15
Heptane		0.26	0.16		ppbv	TO-15
Hexane		0.33	0.16		ppbv	TO-15
Isopropyl Alcohol		13.8	0.16		ppbv	TO-15
Methylene chloride		0.45	0.16		ppbv	TO-15
Methyl ethyl ketone [d]		0.47	0.16		ppbv	TO-15
Methylmethacrylate		1.9	0.16		ppbv	TO-15
Toluene		0.28	0.16		ppbv	TO-15
Trichlorofluoromethane		0.41	0.080		ppbv	TO-15
Acetone (2-Propanone) [a]		49.9	0.38		ug/m3	TO-15
Benzene		1.4	0.51		ug/m3	TO-15
Chloroform		0.83	0.78		ug/m3	TO-15
Chloromethane		1.1	0.33		ug/m3	TO-15
Carbon tetrachloride		0.53	0.20		ug/m3	TO-15
Dichlorodifluoromethane		2.5	0.79		ug/m3	TO-15
Ethanol [b]		999 E	0.75		ug/m3	TO-15
Ethyl Acetate [c]		14	0.58		ug/m3	TO-15
Heptane		1.1	0.66		ug/m3	TO-15
Hexane		1.2	0.56		ug/m3	TO-15
Isopropyl Alcohol		33.9	0.39		ug/m3	TO-15
Methylene chloride		1.6	0.56		ug/m3	TO-15
Methyl ethyl ketone [d]		1.4	0.47		ug/m3	TO-15
Methylmethacrylate		7.8	0.66		ug/m3	TO-15
Toluene		1.1	0.60		ug/m3	TO-15
Trichlorofluoromethane		2.3	0.45		ug/m3	TO-15
JE2489-3	**SS-8**					
Acetone (2-Propanone) [a]		13.1	0.20		ppbv	TO-15
Benzene		0.20	0.20		ppbv	TO-15
Dichlorodifluoromethane		0.84	0.20		ppbv	TO-15
m-Dichlorobenzene		0.18	0.10		ppbv	TO-15
Ethanol [b]		156 E	0.50		ppbv	TO-15
Ethyl Acetate [c]		4.4	0.20		ppbv	TO-15
Hexane		1.0	0.20		ppbv	TO-15
Isopropyl Alcohol		54.1 E	0.20		ppbv	TO-15

Summary of Hits

Job Number: JE2489
Account: Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY
Collected: 12/10/24

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Methylene chloride		1.3	0.20		ppbv	TO-15
Methyl ethyl ketone [d]		1.9	0.20		ppbv	TO-15
Tertiary Butyl Alcohol		4.2	0.20		ppbv	TO-15
Tetrachloroethylene		2.1	0.040		ppbv	TO-15
Toluene		0.45	0.20		ppbv	TO-15
Trichloroethylene		0.055	0.040		ppbv	TO-15
Trichlorofluoromethane		4.9	0.10		ppbv	TO-15
Vinyl Acetate [e]		0.52	0.20		ppbv	TO-15
Acetone (2-Propanone) [a]		31.1	0.48		ug/m3	TO-15
Benzene		0.64	0.64		ug/m3	TO-15
Dichlorodifluoromethane		4.2	0.99		ug/m3	TO-15
m-Dichlorobenzene		1.1	0.60		ug/m3	TO-15
Ethanol [b]		294 E	0.94		ug/m3	TO-15
Ethyl Acetate [c]		16	0.72		ug/m3	TO-15
Hexane		3.5	0.70		ug/m3	TO-15
Isopropyl Alcohol		133 E	0.49		ug/m3	TO-15
Methylene chloride		4.5	0.69		ug/m3	TO-15
Methyl ethyl ketone [d]		5.6	0.59		ug/m3	TO-15
Tertiary Butyl Alcohol		13	0.61		ug/m3	TO-15
Tetrachloroethylene		14	0.27		ug/m3	TO-15
Toluene		1.7	0.75		ug/m3	TO-15
Trichloroethylene		0.30	0.21		ug/m3	TO-15
Trichlorofluoromethane		28	0.56		ug/m3	TO-15
Vinyl Acetate [e]		1.8	0.70		ug/m3	TO-15
JE2489-4	**IA-8**					
Acetone (2-Propanone) [a]		13.5	0.16		ppbv	TO-15
Benzene		0.28	0.16		ppbv	TO-15
Chloromethane		0.46	0.16		ppbv	TO-15
Carbon tetrachloride		0.083	0.032		ppbv	TO-15
Dichlorodifluoromethane		0.52	0.16		ppbv	TO-15
Ethanol [b]		117 E	0.40		ppbv	TO-15
Ethyl Acetate [c]		0.84	0.16		ppbv	TO-15
Hexane		0.36	0.16		ppbv	TO-15
Isopropyl Alcohol		11.1	0.16		ppbv	TO-15
Methylene chloride		0.53	0.16		ppbv	TO-15
Methyl ethyl ketone [d]		0.31	0.16		ppbv	TO-15
Methylmethacrylate		1.1	0.16		ppbv	TO-15
Tetrachloroethylene		0.17	0.032		ppbv	TO-15
Toluene		0.57	0.16		ppbv	TO-15
Trichloroethylene		0.040	0.032		ppbv	TO-15
Trichlorofluoromethane		0.29	0.080		ppbv	TO-15
Acetone (2-Propanone) [a]		32.1	0.38		ug/m3	TO-15
Benzene		0.89	0.51		ug/m3	TO-15

Summary of Hits

Job Number: JE2489
Account: Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY
Collected: 12/10/24

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Chloromethane		0.95	0.33		ug/m3	TO-15
Carbon tetrachloride		0.52	0.20		ug/m3	TO-15
Dichlorodifluoromethane		2.6	0.79		ug/m3	TO-15
Ethanol [b]		220 E	0.75		ug/m3	TO-15
Ethyl Acetate [c]		3.0	0.58		ug/m3	TO-15
Hexane		1.3	0.56		ug/m3	TO-15
Isopropyl Alcohol		27.3	0.39		ug/m3	TO-15
Methylene chloride		1.8	0.56		ug/m3	TO-15
Methyl ethyl ketone [d]		0.91	0.47		ug/m3	TO-15
Methylmethacrylate		4.5	0.66		ug/m3	TO-15
Tetrachloroethylene		1.2	0.22		ug/m3	TO-15
Toluene		2.1	0.60		ug/m3	TO-15
Trichloroethylene		0.21	0.17		ug/m3	TO-15
Trichlorofluoromethane		1.6	0.45		ug/m3	TO-15

(a) Associated CCV outside of control limits low. This compound in blank spike is outside in house QC limits bias low.
(b) This compound in blank spike duplicate is outside in house QC limits bias low.
(c) Associated CCV outside of control limits high.
(d) Associated CCV outside of control limits high. This compound in blank spike is outside in house QC limits bias high.
(e) This compound in blank spike duplicate is outside in house QC limits bias high.

Sample Results

Report of Analysis

SGS North America Inc.

Report of Analysis

Client Sample ID:	SS-7		
Lab Sample ID:	JE2489-1	**Date Sampled:**	12/10/24
Matrix:	AIR - Soil Vapor Comp. Summa ID: A231	**Date Received:**	12/12/24
Method:	TO-15	**Percent Solids:**	n/a
Project:	Regency Center Carmel ShopRite Plaza, Carmel, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5W55829.D	1	12/23/24 18:20	TCH	n/a	n/a	V5W2138
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

VOA TO15 List

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone (2-Propanone)	14.0	0.20	ppbv		33.3	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.26	0.20	ppbv		0.83	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.10	ppbv		ND	0.67	ug/m3
75-25-2	252.8	Bromoform [a]	ND	0.040	ppbv		ND	0.41	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	ppbv		ND	0.98	ug/m3
74-87-3	50.49	Chloromethane	ND	0.20	ppbv		ND	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.040	ppbv		ND	0.25	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.040	ppbv		ND	0.16	ug/m3
106-93-4	187.9	1,2-Dibromoethane (EDB)	ND	0.10	ppbv		ND	0.77	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	2.7	0.20	ppbv		13	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.10	ppbv		ND	0.85	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.040	ppbv		ND	0.16	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	0.28	0.10	ppbv		1.7	0.60	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.040	ppbv		ND	0.24	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.10	ppbv		ND	0.60	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	ppbv		ND	0.91	ug/m3

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS-7		
Lab Sample ID:	JE2489-1	**Date Sampled:**	12/10/24
Matrix:	AIR - Soil Vapor Comp. Summa ID: A231	**Date Received:**	12/12/24
Method:	TO-15	**Percent Solids:**	n/a
Project:	Regency Center Carmel ShopRite Plaza, Carmel, NY		

VOA TO15 List

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	160	0.50	ppbv	E	301	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.20	ppbv		ND	0.87	ug/m3
141-78-6	88	Ethyl Acetate	6.7	0.20	ppbv		24	0.72	ug/m3
622-96-8	120.19	4-Ethyltoluene	ND	0.20	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	ND	0.10	ppbv		ND	0.77	ug/m3
76-14-2	170.9	Freon 114	ND	0.10	ppbv		ND	0.70	ug/m3
142-82-5	100.2	Heptane	0.33	0.20	ppbv		1.4	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene [a]	ND	0.090	ppbv		ND	0.96	ug/m3
110-54-3	86.18	Hexane	1.6	0.20	ppbv		5.6	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	ppbv		ND	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	48.9	0.20	ppbv		120	0.49	ug/m3
75-09-2	84.94	Methylene chloride	1.9	0.20	ppbv		6.6	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone	2.1	0.20	ppbv		6.2	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	ppbv		ND	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	ppbv		ND	0.72	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.20	ppbv		ND	0.82	ug/m3
91-20-3	128.17	Naphthalene	0.21	0.20	ppbv		1.1	1.0	ug/m3
115-07-1	42	Propylene	ND	0.50	ppbv		ND	0.86	ug/m3
100-42-5	104.1	Styrene	ND	0.20	ppbv		ND	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.10	ppbv		ND	0.55	ug/m3
79-34-5	167.85	1,1,2,2-Tetrachloroethane	ND	0.10	ppbv		ND	0.69	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.10	ppbv		ND	0.55	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene [a]	ND	0.10	ppbv		ND	0.74	ug/m3
95-63-6	120.19	1,2,4-Trimethylbenzene	ND	0.20	ppbv		ND	0.98	ug/m3
108-67-8	120.19	1,3,5-Trimethylbenzene	ND	0.20	ppbv		ND	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	ppbv		ND	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	4.3	0.20	ppbv		13	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	12.4	0.040	ppbv		84.1	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	0.69	0.20	ppbv		2.6	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	0.051	0.040	ppbv		0.27	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	20.8	0.10	ppbv		117	0.56	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.040	ppbv		ND	0.10	ug/m3
108-05-4	86	Vinyl Acetate	0.95	0.20	ppbv		3.3	0.70	ug/m3
	106.2	m,p-Xylene	0.27	0.20	ppbv		1.2	0.87	ug/m3
95-47-6	106.2	o-Xylene	ND	0.20	ppbv		ND	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	0.37	0.20	ppbv		1.6	0.87	ug/m3

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS-7		
Lab Sample ID:	JE2489-1	**Date Sampled:**	12/10/24
Matrix:	AIR - Soil Vapor Comp. Summa ID: A231	**Date Received:**	12/12/24
Method:	TO-15	**Percent Solids:**	n/a
Project:	Regency Center Carmel ShopRite Plaza, Carmel, NY		

VOA TO15 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	127%		65-128%

(a) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	IA-7		
Lab Sample ID:	JE2489-2	**Date Sampled:**	12/10/24
Matrix:	AIR - Indoor Air Comp. Summa ID: A1629	**Date Received:**	12/12/24
Method:	TO-15	**Percent Solids:**	n/a
Project:	Regency Center Carmel ShopRite Plaza, Carmel, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5W55786.D	1.45	12/20/24 19:55	TCH	n/a	n/a	V5W2136
Run #2							

	Initial Volume
Run #1	725 ml
Run #2	

VOA TO15 List

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone (2-Propanone) [a]	21.0	0.16	ppbv		49.9	0.38	ug/m3
106-99-0	54.09	1,3-Butadiene [b]	ND	0.16	ppbv		ND	0.35	ug/m3
71-43-2	78.11	Benzene	0.44	0.16	ppbv		1.4	0.51	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.080	ppbv		ND	0.54	ug/m3
75-25-2	252.8	Bromoform [c]	ND	0.032	ppbv		ND	0.33	ug/m3
74-83-9	94.94	Bromomethane [d]	ND	0.16	ppbv		ND	0.62	ug/m3
593-60-2	106.9	Bromoethene	ND	0.16	ppbv		ND	0.70	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.16	ppbv		ND	0.82	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.16	ppbv		ND	0.50	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.16	ppbv		ND	0.74	ug/m3
75-00-3	64.52	Chloroethane [d]	ND	0.16	ppbv		ND	0.42	ug/m3
67-66-3	119.4	Chloroform	0.17	0.16	ppbv		0.83	0.78	ug/m3
74-87-3	50.49	Chloromethane	0.52	0.16	ppbv		1.1	0.33	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.16	ppbv		ND	0.50	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.16	ppbv		ND	0.83	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.084	0.032	ppbv		0.53	0.20	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.16	ppbv		ND	0.55	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.16	ppbv		ND	0.65	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.032	ppbv		ND	0.13	ug/m3
106-93-4	187.9	1,2-Dibromoethane (EDB)	ND	0.080	ppbv		ND	0.61	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.16	ppbv		ND	0.65	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.16	ppbv		ND	0.74	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.16	ppbv		ND	0.58	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.50	0.16	ppbv		2.5	0.79	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.080	ppbv		ND	0.68	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.16	ppbv		ND	0.63	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.032	ppbv		ND	0.13	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.16	ppbv		ND	0.73	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.080	ppbv		ND	0.48	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.032	ppbv		ND	0.19	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.080	ppbv		ND	0.48	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.16	ppbv		ND	0.73	ug/m3

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IA-7		
Lab Sample ID:	JE2489-2	**Date Sampled:**	12/10/24
Matrix:	AIR - Indoor Air Comp. Summa ID: A1629	**Date Received:**	12/12/24
Method:	TO-15	**Percent Solids:**	n/a
Project:	Regency Center Carmel ShopRite Plaza, Carmel, NY		

VOA TO15 List

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol [d]	530	0.40	ppbv	E	999	0.75	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.16	ppbv		ND	0.69	ug/m3
141-78-6	88	Ethyl Acetate [e]	4.0	0.16	ppbv		14	0.58	ug/m3
622-96-8	120.19	4-Ethyltoluene	ND	0.16	ppbv		ND	0.79	ug/m3
76-13-1	187.4	Freon 113	ND	0.080	ppbv		ND	0.61	ug/m3
76-14-2	170.9	Freon 114	ND	0.080	ppbv		ND	0.56	ug/m3
142-82-5	100.2	Heptane	0.26	0.16	ppbv		1.1	0.66	ug/m3
87-68-3	260.8	Hexachlorobutadiene [c]	ND	0.072	ppbv		ND	0.77	ug/m3
110-54-3	86.18	Hexane	0.33	0.16	ppbv		1.2	0.56	ug/m3
591-78-6	100	2-Hexanone	ND	0.16	ppbv		ND	0.65	ug/m3
67-63-0	60.1	Isopropyl Alcohol	13.8	0.16	ppbv		33.9	0.39	ug/m3
75-09-2	84.94	Methylene chloride	0.45	0.16	ppbv		1.6	0.56	ug/m3
78-93-3	72.11	Methyl ethyl ketone [f]	0.47	0.16	ppbv		1.4	0.47	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.16	ppbv		ND	0.66	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.16	ppbv		ND	0.58	ug/m3
80-62-6	100.12	Methylmethacrylate	1.9	0.16	ppbv		7.8	0.66	ug/m3
91-20-3	128.17	Naphthalene	ND	0.16	ppbv		ND	0.84	ug/m3
115-07-1	42	Propylene	ND	0.40	ppbv		ND	0.69	ug/m3
100-42-5	104.1	Styrene	ND	0.16	ppbv		ND	0.68	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.080	ppbv		ND	0.44	ug/m3
79-34-5	167.85	1,1,2,2-Tetrachloroethane	ND	0.080	ppbv		ND	0.55	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.080	ppbv		ND	0.44	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene [c]	ND	0.080	ppbv		ND	0.59	ug/m3
95-63-6	120.19	1,2,4-Trimethylbenzene	ND	0.16	ppbv		ND	0.79	ug/m3
108-67-8	120.19	1,3,5-Trimethylbenzene	ND	0.16	ppbv		ND	0.79	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.16	ppbv		ND	0.75	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.16	ppbv		ND	0.49	ug/m3
127-18-4	165.8	Tetrachloroethylene	ND	0.032	ppbv		ND	0.22	ug/m3
109-99-9	72.11	Tetrahydrofuran [c]	ND	0.16	ppbv		ND	0.47	ug/m3
108-88-3	92.14	Toluene	0.28	0.16	ppbv		1.1	0.60	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.032	ppbv		ND	0.17	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.41	0.080	ppbv		2.3	0.45	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.032	ppbv		ND	0.082	ug/m3
108-05-4	86	Vinyl Acetate [g]	ND	0.16	ppbv		ND	0.56	ug/m3
	106.2	m,p-Xylene	ND	0.16	ppbv		ND	0.69	ug/m3
95-47-6	106.2	o-Xylene	ND	0.16	ppbv		ND	0.69	ug/m3
1330-20-7	106.2	Xylenes (total)	ND	0.16	ppbv		ND	0.69	ug/m3

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IA-7		
Lab Sample ID:	JE2489-2	**Date Sampled:**	12/10/24
Matrix:	AIR - Indoor Air Comp. Summa ID: A1629	**Date Received:**	12/12/24
Method:	TO-15	**Percent Solids:**	n/a
Project:	Regency Center Carmel ShopRite Plaza, Carmel, NY		

VOA TO15 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	112%		65-128%

(a) Associated CCV outside of control limits low. This compound in blank spike is outside in house QC limits bias low.
(b) This compound in blank spike is outside in house QC limits bias low.
(c) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
(d) This compound in blank spike duplicate is outside in house QC limits bias low.
(e) Associated CCV outside of control limits high.
(f) Associated CCV outside of control limits high. This compound in blank spike is outside in house QC limits bias high.
(g) This compound in blank spike duplicate is outside in house QC limits bias high.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	SS-8		
Lab Sample ID:	JE2489-3	**Date Sampled:**	12/10/24
Matrix:	AIR - Soil Vapor Comp. Summa ID: A1641	**Date Received:**	12/12/24
Method:	TO-15	**Percent Solids:**	n/a
Project:	Regency Center Carmel ShopRite Plaza, Carmel, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5W55788.D	1	12/20/24 21:22	TCH	n/a	n/a	V5W2136
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

VOA TO15 List

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone (2-Propanone) [a]	13.1	0.20	ppbv		31.1	0.48	ug/m3
106-99-0	54.09	1,3-Butadiene [b]	ND	0.20	ppbv		ND	0.44	ug/m3
71-43-2	78.11	Benzene	0.20	0.20	ppbv		0.64	0.64	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.10	ppbv		ND	0.67	ug/m3
75-25-2	252.8	Bromoform [c]	ND	0.040	ppbv		ND	0.41	ug/m3
74-83-9	94.94	Bromomethane [d]	ND	0.20	ppbv		ND	0.78	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	ppbv		ND	0.87	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	ppbv		ND	1.0	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	ppbv		ND	0.62	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	ppbv		ND	0.92	ug/m3
75-00-3	64.52	Chloroethane [d]	ND	0.20	ppbv		ND	0.53	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	ppbv		ND	0.98	ug/m3
74-87-3	50.49	Chloromethane	ND	0.20	ppbv		ND	0.41	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	ppbv		ND	0.63	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	ppbv		ND	1.0	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.040	ppbv		ND	0.25	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	ppbv		ND	0.69	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.040	ppbv		ND	0.16	ug/m3
106-93-4	187.9	1,2-Dibromoethane (EDB)	ND	0.10	ppbv		ND	0.77	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	ppbv		ND	0.92	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	ppbv		ND	0.72	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.84	0.20	ppbv		4.2	0.99	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.10	ppbv		ND	0.85	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.040	ppbv		ND	0.16	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	ppbv		ND	0.91	ug/m3
541-73-1	147	m-Dichlorobenzene	0.18	0.10	ppbv		1.1	0.60	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.040	ppbv		ND	0.24	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.10	ppbv		ND	0.60	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	ppbv		ND	0.91	ug/m3

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SS-8
Lab Sample ID: JE2489-3
Matrix: AIR - Soil Vapor Comp. Summa ID: A1641
Method: TO-15
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Date Sampled: 12/10/24
Date Received: 12/12/24
Percent Solids: n/a

VOA TO15 List

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol [d]	156	0.50	ppbv	E	294	0.94	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.20	ppbv		ND	0.87	ug/m3
141-78-6	88	Ethyl Acetate [e]	4.4	0.20	ppbv		16	0.72	ug/m3
622-96-8	120.19	4-Ethyltoluene	ND	0.20	ppbv		ND	0.98	ug/m3
76-13-1	187.4	Freon 113	ND	0.10	ppbv		ND	0.77	ug/m3
76-14-2	170.9	Freon 114	ND	0.10	ppbv		ND	0.70	ug/m3
142-82-5	100.2	Heptane	ND	0.20	ppbv		ND	0.82	ug/m3
87-68-3	260.8	Hexachlorobutadiene [c]	ND	0.090	ppbv		ND	0.96	ug/m3
110-54-3	86.18	Hexane	1.0	0.20	ppbv		3.5	0.70	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	ppbv		ND	0.82	ug/m3
67-63-0	60.1	Isopropyl Alcohol	54.1	0.20	ppbv	E	133	0.49	ug/m3
75-09-2	84.94	Methylene chloride	1.3	0.20	ppbv		4.5	0.69	ug/m3
78-93-3	72.11	Methyl ethyl ketone [f]	1.9	0.20	ppbv		5.6	0.59	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	ppbv		ND	0.82	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	ppbv		ND	0.72	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.20	ppbv		ND	0.82	ug/m3
91-20-3	128.17	Naphthalene	ND	0.20	ppbv		ND	1.0	ug/m3
115-07-1	42	Propylene	ND	0.50	ppbv		ND	0.86	ug/m3
100-42-5	104.1	Styrene	ND	0.20	ppbv		ND	0.85	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.10	ppbv		ND	0.55	ug/m3
79-34-5	167.85	1,1,2,2-Tetrachloroethane	ND	0.10	ppbv		ND	0.69	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.10	ppbv		ND	0.55	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene [c]	ND	0.10	ppbv		ND	0.74	ug/m3
95-63-6	120.19	1,2,4-Trimethylbenzene	ND	0.20	ppbv		ND	0.98	ug/m3
108-67-8	120.19	1,3,5-Trimethylbenzene	ND	0.20	ppbv		ND	0.98	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	ppbv		ND	0.93	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	4.2	0.20	ppbv		13	0.61	ug/m3
127-18-4	165.8	Tetrachloroethylene	2.1	0.040	ppbv		14	0.27	ug/m3
109-99-9	72.11	Tetrahydrofuran [c]	ND	0.20	ppbv		ND	0.59	ug/m3
108-88-3	92.14	Toluene	0.45	0.20	ppbv		1.7	0.75	ug/m3
79-01-6	131.4	Trichloroethylene	0.055	0.040	ppbv		0.30	0.21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	4.9	0.10	ppbv		28	0.56	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.040	ppbv		ND	0.10	ug/m3
108-05-4	86	Vinyl Acetate [g]	0.52	0.20	ppbv		1.8	0.70	ug/m3
	106.2	m,p-Xylene	ND	0.20	ppbv		ND	0.87	ug/m3
95-47-6	106.2	o-Xylene	ND	0.20	ppbv		ND	0.87	ug/m3
1330-20-7	106.2	Xylenes (total)	ND	0.20	ppbv		ND	0.87	ug/m3

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS-8		
Lab Sample ID:	JE2489-3	**Date Sampled:**	12/10/24
Matrix:	AIR - Soil Vapor Comp. Summa ID: A1641	**Date Received:**	12/12/24
Method:	TO-15	**Percent Solids:**	n/a
Project:	Regency Center Carmel ShopRite Plaza, Carmel, NY		

VOA TO15 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	113%		65-128%

(a) Associated CCV outside of control limits low. This compound in blank spike is outside in house QC limits bias low.
(b) This compound in blank spike is outside in house QC limits bias low.
(c) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
(d) This compound in blank spike duplicate is outside in house QC limits bias low.
(e) Associated CCV outside of control limits high.
(f) Associated CCV outside of control limits high. This compound in blank spike is outside in house QC limits bias high.
(g) This compound in blank spike duplicate is outside in house QC limits bias high.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	IA-8		
Lab Sample ID:	JE2489-4	**Date Sampled:**	12/10/24
Matrix:	AIR - Indoor Air Comp. Summa ID: A1190	**Date Received:**	12/12/24
Method:	TO-15	**Percent Solids:**	n/a
Project:	Regency Center Carmel ShopRite Plaza, Carmel, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5W55789.D	1.48	12/20/24 22:14	TCH	n/a	n/a	V5W2136
Run #2							

	Initial Volume
Run #1	740 ml
Run #2	

VOA TO15 List

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone (2-Propanone) [a]	13.5	0.16	ppbv		32.1	0.38	ug/m3
106-99-0	54.09	1,3-Butadiene [b]	ND	0.16	ppbv		ND	0.35	ug/m3
71-43-2	78.11	Benzene	0.28	0.16	ppbv		0.89	0.51	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.080	ppbv		ND	0.54	ug/m3
75-25-2	252.8	Bromoform [c]	ND	0.032	ppbv		ND	0.33	ug/m3
74-83-9	94.94	Bromomethane [d]	ND	0.16	ppbv		ND	0.62	ug/m3
593-60-2	106.9	Bromoethene	ND	0.16	ppbv		ND	0.70	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.16	ppbv		ND	0.82	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.16	ppbv		ND	0.50	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.16	ppbv		ND	0.74	ug/m3
75-00-3	64.52	Chloroethane [d]	ND	0.16	ppbv		ND	0.42	ug/m3
67-66-3	119.4	Chloroform	ND	0.16	ppbv		ND	0.78	ug/m3
74-87-3	50.49	Chloromethane	0.46	0.16	ppbv		0.95	0.33	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.16	ppbv		ND	0.50	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.16	ppbv		ND	0.83	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.083	0.032	ppbv		0.52	0.20	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.16	ppbv		ND	0.55	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.16	ppbv		ND	0.65	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.032	ppbv		ND	0.13	ug/m3
106-93-4	187.9	1,2-Dibromoethane (EDB)	ND	0.080	ppbv		ND	0.61	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.16	ppbv		ND	0.65	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.16	ppbv		ND	0.74	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.16	ppbv		ND	0.58	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.52	0.16	ppbv		2.6	0.79	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.080	ppbv		ND	0.68	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.16	ppbv		ND	0.63	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.032	ppbv		ND	0.13	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.16	ppbv		ND	0.73	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.080	ppbv		ND	0.48	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.032	ppbv		ND	0.19	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.080	ppbv		ND	0.48	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.16	ppbv		ND	0.73	ug/m3

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IA-8		
Lab Sample ID:	JE2489-4	**Date Sampled:**	12/10/24
Matrix:	AIR - Indoor Air Comp. Summa ID: A1190	**Date Received:**	12/12/24
Method:	TO-15	**Percent Solids:**	n/a
Project:	Regency Center Carmel ShopRite Plaza, Carmel, NY		

VOA TO15 List

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol [d]	117	0.40	ppbv	E	220	0.75	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.16	ppbv		ND	0.69	ug/m3
141-78-6	88	Ethyl Acetate [e]	0.84	0.16	ppbv		3.0	0.58	ug/m3
622-96-8	120.19	4-Ethyltoluene	ND	0.16	ppbv		ND	0.79	ug/m3
76-13-1	187.4	Freon 113	ND	0.080	ppbv		ND	0.61	ug/m3
76-14-2	170.9	Freon 114	ND	0.080	ppbv		ND	0.56	ug/m3
142-82-5	100.2	Heptane	ND	0.16	ppbv		ND	0.66	ug/m3
87-68-3	260.8	Hexachlorobutadiene [c]	ND	0.072	ppbv		ND	0.77	ug/m3
110-54-3	86.18	Hexane	0.36	0.16	ppbv		1.3	0.56	ug/m3
591-78-6	100	2-Hexanone	ND	0.16	ppbv		ND	0.65	ug/m3
67-63-0	60.1	Isopropyl Alcohol	11.1	0.16	ppbv		27.3	0.39	ug/m3
75-09-2	84.94	Methylene chloride	0.53	0.16	ppbv		1.8	0.56	ug/m3
78-93-3	72.11	Methyl ethyl ketone [f]	0.31	0.16	ppbv		0.91	0.47	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.16	ppbv		ND	0.66	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.16	ppbv		ND	0.58	ug/m3
80-62-6	100.12	Methylmethacrylate	1.1	0.16	ppbv		4.5	0.66	ug/m3
91-20-3	128.17	Naphthalene	ND	0.16	ppbv		ND	0.84	ug/m3
115-07-1	42	Propylene	ND	0.40	ppbv		ND	0.69	ug/m3
100-42-5	104.1	Styrene	ND	0.16	ppbv		ND	0.68	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.080	ppbv		ND	0.44	ug/m3
79-34-5	167.85	1,1,2,2-Tetrachloroethane	ND	0.080	ppbv		ND	0.55	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.080	ppbv		ND	0.44	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene [c]	ND	0.080	ppbv		ND	0.59	ug/m3
95-63-6	120.19	1,2,4-Trimethylbenzene	ND	0.16	ppbv		ND	0.79	ug/m3
108-67-8	120.19	1,3,5-Trimethylbenzene	ND	0.16	ppbv		ND	0.79	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.16	ppbv		ND	0.75	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.16	ppbv		ND	0.49	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.17	0.032	ppbv		1.2	0.22	ug/m3
109-99-9	72.11	Tetrahydrofuran [c]	ND	0.16	ppbv		ND	0.47	ug/m3
108-88-3	92.14	Toluene	0.57	0.16	ppbv		2.1	0.60	ug/m3
79-01-6	131.4	Trichloroethylene	0.040	0.032	ppbv		0.21	0.17	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.29	0.080	ppbv		1.6	0.45	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.032	ppbv		ND	0.082	ug/m3
108-05-4	86	Vinyl Acetate [g]	ND	0.16	ppbv		ND	0.56	ug/m3
	106.2	m,p-Xylene	ND	0.16	ppbv		ND	0.69	ug/m3
95-47-6	106.2	o-Xylene	ND	0.16	ppbv		ND	0.69	ug/m3
1330-20-7	106.2	Xylenes (total)	ND	0.16	ppbv		ND	0.69	ug/m3

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IA-8		
Lab Sample ID:	JE2489-4	**Date Sampled:**	12/10/24
Matrix:	AIR - Indoor Air Comp. Summa ID: A1190	**Date Received:**	12/12/24
Method:	TO-15	**Percent Solids:**	n/a
Project:	Regency Center Carmel ShopRite Plaza, Carmel, NY		

VOA TO15 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	111%		65-128%

(a) Associated CCV outside of control limits low. This compound in blank spike is outside in house QC limits bias low.
(b) This compound in blank spike is outside in house QC limits bias low.
(c) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
(d) This compound in blank spike duplicate is outside in house QC limits bias low.
(e) Associated CCV outside of control limits high.
(f) Associated CCV outside of control limits high. This compound in blank spike is outside in house QC limits bias high.
(g) This compound in blank spike duplicate is outside in house QC limits bias high.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Summa Canister and Flow Controller Log
- Sample Tracking Chronicle

SGS ACCUTEST

AIR CHAIN OF CUSTODY

AIR

JE2489

SGS Accutest - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.accutest.com

FED-EX Tracking #

Bottle Order Control # MM-012624-115

MM-112624-154

PAGE _1_ OF _1_

Lab Quote #

Lab Job #

Client / Reporting Information			Project Information			Weather Parameters			Requested Analysis
Company Name: Groundwater & Environmental Services			Project Name: Regency Center Carmel ShopRite Plaza, Carmel, NY			Temperature (Fahrenheit) Start: 40 Maximum: 41			
Address: 63 East Street, Suite 3			Street: 180 Glenida Avenue "CHINATOWN RESTAURANT"			Stop: 41 Minimum: 40			
City: Pawling	State: NY	Zip: 12564	City: Carmel	State: NY		Atmoshpheric Pressure (inches of Hg) Start: 30.10 Maximum: 30.20			
Project Contact: Michael DeGloria	E-mail: MDegloria@GESOnline.com		Project #: 1192323-02-210 -1111			Stop: 30.00 Minimum: 30.00			
Phone #: 866-839-5195	Fax #		Client Purchase Order #: Invoice to GES, please reference Project #			Other weather comment:			
Sampler(s) Name(s): R. Brown									

		Air Type	Sampling Equipment Info			Start Sampling Information					Stop Sampling Information					Requested Analysis			
Lab Sample #	Field ID / Point of Collection	Indoor(I) Soil Vap(SV) Ambient(A)	Canister Serial #	Canister Size 6L or 1L	Flow Controller Serial #	Date	Time (24hr clock)	Canister Pressure ("Hg)	Interior Temp (F)	Sampler Init.	Date	Time (24hr clock)	Canister Pressure ("Hg)	Interior Temp (F)	Sampler Init.	VTO15NYSVLL	VTO15NYLL		
1	SS-7	SV	A231	6L	131	12/10/24	1105	28.5	65	MB	12/10/24	1355	5.0	65	MB	X			
2	IA-7	I	A1629	6L	1021	12/10/24	1108	29.0	65	MB	12/10/24	1340	5.0	65	MB		X		
3	SS-8	SV	A1641	6L	721	12/10/24	1115	30.0	65	MB	12/10/24	1405	7.0	65	MB	X			
4	IA-8	I	A1190	6L	2487	12/10/24	1120	29.0	65	MB	12/10/24	1410	7.0	65	MB		X		

Initial Assessment: MA-HK

Label Verification: _____

Turnaround Time (Business days)			Data Deliverable Information		Comments / Remarks
Standard - 15 Days	GES Std	Approved By:	All NJDEP TO-15 is mandatory Full T1		VTO15NYSVLL - soil vapor; VTO15NYLL - indoor/ambient
10 Day			Comm A		NYGATB Report
5 Day		Date:	Comm B		
3 Day			Reduced T2		
2 Day			Full T1		
1 Day			Other:		
Other			DKQP reporting		Sample Inventory is verified upon receipt in the Laboratory

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler: 1	Date Time: 12/10/24 1930	Received By: 1 FEDEX T2 -/24-	Relinquished By: 2	Date Time: 12/11/24 0830	Received By: 2
Relinquished By: 3	Date Time: 12/11/2024 0830	Received By: 3 FEDEX	Relinquished By: 4 FEDEX	Date Time: 12/12/24 1100	Received By: 4
Relinquished by: 5	Date Time:	Received By: 5	Custody Seal #		

SGS Sample Receipt Summary

Job Number: JE2489 **Client:** GROUNDWATER & ENVIRONMENTAL SE **Project:** REGENCY CENTER CARMEL SHOPRITE

Date / Time Received: 12/12/2024 11:00:00 AM **Delivery Method:** FEDEX **Airbill #'s:**

Cooler Temps (Raw Measured) °C:

Cooler Temps (Corrected) °C:

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☐		☐
2. Cooler temp verification:	N/A		
3. Cooler media:	N/A		
4. No. Coolers:	N/A		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☑	☐
2. Trip Blank listed on COC:	☐		☑	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Test Strip Lot #s: pH 1-12: 231619 pH 12+: 203117A Other: (Specify)

Comments

SM089-03
Rev. Date 12/7/17

JE2489: Chain of Custody
Page 2 of 2

Summa Canister and Flow Controller Log

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY
Received: 12/12/24

SUMMA CANISTERS

Shipping							Receiving					
Summa ID	L	Vac " Hg	Date Out	By	SCC Batch	SCC FileID	Sample Number	Date In	By	Vac " Hg	Pres psig	Final psig	Dil Fact
A231	6	29	12/03/24	JT	CP12902	7W09979.D	JE2489-1	12/12/24	RC	5			1
A1629	6	30	12/03/24	JT	CP12922	7W10671.D	JE2489-2	12/12/24	RC	5.5			1
A1641	6	29.5	12/03/24	JT	CP12922	7W10671.D	JE2489-3	12/12/24	RC	6			1
A1190	6	29.5	12/03/24	JT	CP12926	7W10778.D	JE2489-4	12/12/24	RC	6			1

FLOW CONTROLLERS / OTHER

Shipping					Receiving				
Flow Crtl ID	Date Out	By	cc/ min	Time hrs.	Date In	By	cc/ min	Flow RPD	Equipment Type
FC131	12/03/24	JT	10.3	8	12/12/24	RC	10.8	4.7	Flow Controller
FC287	12/03/24	JT	10.5	8	12/12/24	RC	10.2	2.9	Flow Controller
FC721	12/03/24	JT	10.3	8	12/12/24	RC	10	3	Flow Controller
FC1021	12/03/24	JT	10.5	8	12/12/24	RC	10.4	1	Flow Controller

SGS Bottle Order(s):
MM-112524-154

Prep Date	Room Temp(F)	Bar Pres "Hg
12/03/24	70	29.92

Internal Sample Tracking Chronicle

Groundwater & Environmental Services

Job No: JE2489

Regency Center Carmel ShopRite Plaza, Carmel, NY
Project No: 1192323-02-210-1111

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JE2489-1 SS-7	Collected: 10-DEC-24 18:55	By: RB	Received: 12-DEC-24		By: HR	
JE2489-1	TO-15	23-DEC-24 18:20	TCH			VTO15NYSVLL
JE2489-2 IA-7	Collected: 10-DEC-24 19:00	By: RB	Received: 12-DEC-24		By: HR	
JE2489-2	TO-15	20-DEC-24 19:55	TCH			VTO15NYLL
JE2489-3 SS-8	Collected: 10-DEC-24 19:05	By: RB	Received: 12-DEC-24		By: HR	
JE2489-3	TO-15	20-DEC-24 21:22	TCH			VTO15NYSVLL
JE2489-4 IA-8	Collected: 10-DEC-24 19:10	By: RB	Received: 12-DEC-24		By: HR	
JE2489-4	TO-15	20-DEC-24 22:14	TCH			VTO15NYLL

MS Volatiles

6

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Internal Standard Area Summaries
- Initial Calibration RT/ISTD Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries
- Run Sequence Reports

Method Blank Summary

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W2136-MB	5W55783.D	1	12/20/24	TCH	n/a	n/a	V5W2136

The QC reported here applies to the following samples: **Method:** TO-15

JE2489-2, JE2489-3, JE2489-4

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
67-64-1	Acetone (2-Propanone)	ND	0.20	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane (EDB)	ND	0.20	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	ppbv		ND	0.98	ug/m3

Method Blank Summary

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W2136-MB	5W55783.D	1	12/20/24	TCH	n/a	n/a	V5W2136

The QC reported here applies to the following samples: **Method:** TO-15

JE2489-2, JE2489-3, JE2489-4

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	ppbv		ND	0.72	ug/m3
80-62-6	Methylmethacrylate	ND	0.20	ppbv		ND	0.82	ug/m3
91-20-3	Naphthalene	ND	0.20	ppbv		ND	1.0	ug/m3
115-07-1	Propylene	ND	0.50	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	ppbv		ND	0.87	ug/m3

Method Blank Summary

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W2136-MB	5W55783.D	1	12/20/24	TCH	n/a	n/a	V5W2136

The QC reported here applies to the following samples: **Method:** TO-15

JE2489-2, JE2489-3, JE2489-4

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	111%	65-128%

Method Blank Summary

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W2138-MB	5W55823.D	1	12/23/24	TCH	n/a	n/a	V5W2138

The QC reported here applies to the following samples: **Method:** TO-15

JE2489-1

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
67-64-1	Acetone (2-Propanone)	ND	0.20	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane (EDB)	ND	0.20	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	ppbv		ND	0.98	ug/m3

Method Blank Summary

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W2138-MB	5W55823.D	1	12/23/24	TCH	n/a	n/a	V5W2138

The QC reported here applies to the following samples: **Method:** TO-15

JE2489-1

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	ppbv		ND	0.72	ug/m3
80-62-6	Methylmethacrylate	ND	0.20	ppbv		ND	0.82	ug/m3
91-20-3	Naphthalene	ND	0.20	ppbv		ND	1.0	ug/m3
115-07-1	Propylene	ND	0.50	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	ppbv		ND	0.87	ug/m3

Method Blank Summary

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W2138-MB	5W55823.D	1	12/23/24	TCH	n/a	n/a	V5W2138

The QC reported here applies to the following samples: **Method:** TO-15

JE2489-1

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	109%	65-128%

Method Blank Summary

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W369-MB	7W09952.D	1	10/25/24	TCH	n/a	n/a	V7W369

The QC reported here applies to the following samples: **Method:** TO-15

V7W369-SCC

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
67-64-1	Acetone (2-Propanone)	ND	0.20	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane (EDB)	ND	0.20	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	ppbv		ND	0.98	ug/m3

Method Blank Summary

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W369-MB	7W09952.D	1	10/25/24	TCH	n/a	n/a	V7W369

The QC reported here applies to the following samples: **Method:** TO-15

V7W369-SCC

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	ppbv		ND	0.72	ug/m3
80-62-6	Methylmethacrylate	ND	0.20	ppbv		ND	0.82	ug/m3
91-20-3	Naphthalene	ND	0.20	ppbv		ND	1.0	ug/m3
115-07-1	Propylene	ND	0.50	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	ppbv		ND	0.87	ug/m3

Method Blank Summary

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W369-MB	7W09952.D	1	10/25/24	TCH	n/a	n/a	V7W369

The QC reported here applies to the following samples: **Method:** TO-15

V7W369-SCC

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	95%	65-128%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	1.61	10	ppbv	J
	Total TIC, Volatile		0	ppbv	

Method Blank Summary

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W387-MB	7W10580.D	1	11/18/24	BK	n/a	n/a	V7W387

The QC reported here applies to the following samples: **Method:** TO-15

V7W387-SCC

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
67-64-1	Acetone (2-Propanone)	ND	0.20	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane (EDB)	ND	0.20	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	ppbv		ND	0.98	ug/m3

Method Blank Summary

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W387-MB	7W10580.D	1	11/18/24	BK	n/a	n/a	V7W387

The QC reported here applies to the following samples: **Method:** TO-15

V7W387-SCC

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	ppbv		ND	0.72	ug/m3
80-62-6	Methylmethacrylate	ND	0.20	ppbv		ND	0.82	ug/m3
91-20-3	Naphthalene	ND	0.20	ppbv		ND	1.0	ug/m3
115-07-1	Propylene	ND	0.50	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	ppbv		ND	0.87	ug/m3

Method Blank Summary

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W387-MB	7W10580.D	1	11/18/24	BK	n/a	n/a	V7W387

The QC reported here applies to the following samples: **Method:** TO-15

V7W387-SCC

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	88%	65-128%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	1.61	7.3	ppbv	J
	Total TIC, Volatile		0	ppbv	

Method Blank Summary

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W392-MB	7W10747.D	1	11/25/24	WC	n/a	n/a	V7W392

The QC reported here applies to the following samples: **Method:** TO-15

V7W392-SCC

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
67-64-1	Acetone (2-Propanone)	ND	0.20	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane (EDB)	ND	0.20	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	ppbv		ND	0.98	ug/m3

Method Blank Summary

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W392-MB	7W10747.D	1	11/25/24	WC	n/a	n/a	V7W392

The QC reported here applies to the following samples: **Method:** TO-15

V7W392-SCC

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	ppbv		ND	0.72	ug/m3
80-62-6	Methylmethacrylate	ND	0.20	ppbv		ND	0.82	ug/m3
91-20-3	Naphthalene	ND	0.20	ppbv		ND	1.0	ug/m3
115-07-1	Propylene	ND	0.50	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	ppbv		ND	0.87	ug/m3

Method Blank Summary

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W392-MB	7W10747.D	1	11/25/24	WC	n/a	n/a	V7W392

The QC reported here applies to the following samples: **Method:** TO-15

V7W392-SCC

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	94%	65-128%

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W2136-BS	5W55779.D	1	12/20/24	TCH	n/a	n/a	V5W2136
V5W2136-BSD	5W55781.D	1	12/20/24	TCH	n/a	n/a	V5W2136

The QC reported here applies to the following samples: **Method:** TO-15

JE2489-2, JE2489-3, JE2489-4

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone (2-Propanone)	10.3	6.0	58* [a]	5.9	57* [a]	2	70-130/30
106-99-0	1,3-Butadiene	10.8	7.4	69* [a]	7.0	65* [a]	6	70-130/30
71-43-2	Benzene	11	12.4	113	12.5	114	1	70-130/30
75-27-4	Bromodichloromethane	10.5	11.7	111	11.6	110	1	70-130/30
75-25-2	Bromoform	10.7	15.7	147* [b]	15.9	149* [b]	1	70-130/30
74-83-9	Bromomethane	10.5	7.6	72	7.2	69* [a]	5	70-130/30
593-60-2	Bromoethene	10.6	8.4	79	8.0	75	5	70-130/30
100-44-7	Benzyl Chloride	10.4	11.1	107	10.9	105	2	70-130/30
75-15-0	Carbon disulfide	10.6	12.5	118	12.6	119	1	70-130/30
108-90-7	Chlorobenzene	10.8	10.8	100	10.9	101	1	70-130/30
75-00-3	Chloroethane	10.4	7.4	71	7.0	67* [a]	6	70-130/30
67-66-3	Chloroform	10.8	12.3	114	12.1	112	2	70-130/30
74-87-3	Chloromethane	10.4	7.9	76	7.4	71	7	70-130/30
107-05-1	3-Chloropropene	10.5	13.0	124	13.1	125	1	70-130/30
95-49-8	2-Chlorotoluene	10.3	11.5	112	11.3	110	2	70-130/30
56-23-5	Carbon tetrachloride	10.8	12.4	115	12.1	112	2	70-130/30
110-82-7	Cyclohexane	10.9	12.9	118	13.2	121	2	70-130/30
75-34-3	1,1-Dichloroethane	10.7	12.1	113	11.8	110	3	70-130/30
75-35-4	1,1-Dichloroethylene	10.7	11.8	110	12.1	113	3	70-130/30
106-93-4	1,2-Dibromoethane (EDB)	11	12.0	109	12.2	111	2	70-130/30
107-06-2	1,2-Dichloroethane	10.9	12.7	117	12.2	112	4	70-130/30
78-87-5	1,2-Dichloropropane	10.5	10.8	103	10.7	102	1	70-130/30
123-91-1	1,4-Dioxane	10.5	11.6	110	11.7	111	1	70-130/30
75-71-8	Dichlorodifluoromethane	10.6	11.9	112	11.2	106	6	70-130/30
124-48-1	Dibromochloromethane	10.5	11.7	111	12.0	114	3	70-130/30
156-60-5	trans-1,2-Dichloroethylene	10.5	11.8	112	11.8	112	0	70-130/30
156-59-2	cis-1,2-Dichloroethylene	10.7	12.2	114	12.1	113	1	70-130/30
10061-01-5	cis-1,3-Dichloropropene	10.7	12.9	121	12.9	121	0	70-130/30
541-73-1	m-Dichlorobenzene	10.4	11.4	110	11.1	107	3	70-130/30
95-50-1	o-Dichlorobenzene	10.7	11.7	109	11.2	105	4	70-130/30
106-46-7	p-Dichlorobenzene	10.9	12.2	112	11.8	108	3	70-130/30
10061-02-6	trans-1,3-Dichloropropene	10.2	12.7	125	12.6	124	1	70-130/30
64-17-5	Ethanol	10.2	7.4	73	6.7	66* [a]	10	70-130/30
100-41-4	Ethylbenzene	11	12.6	115	12.8	116	2	70-130/30
141-78-6	Ethyl Acetate	10.8	13.5	125	13.5	125	0	70-130/30
622-96-8	4-Ethyltoluene	10.9	12.7	117	12.4	114	2	70-130/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W2136-BS	5W55779.D	1	12/20/24	TCH	n/a	n/a	V5W2136
V5W2136-BSD	5W55781.D	1	12/20/24	TCH	n/a	n/a	V5W2136

The QC reported here applies to the following samples: **Method:** TO-15

JE2489-2, JE2489-3, JE2489-4

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
76-13-1	Freon 113	10.6	13.1	124	13.3	125	2	70-130/30
76-14-2	Freon 114	11	8.9	81	8.5	77	5	70-130/30
142-82-5	Heptane	11	12.7	115	12.6	115	1	70-130/30
87-68-3	Hexachlorobutadiene	10.8	18.5	171* [b]	17.0	157* [b]	8	70-130/30
110-54-3	Hexane	10.8	12.1	112	11.9	110	2	70-130/30
591-78-6	2-Hexanone	10.6	13.1	124	13.4	126	2	70-130/30
67-63-0	Isopropyl Alcohol	10.6	11.1	105	11.0	104	1	70-130/30
75-09-2	Methylene chloride	10.5	11.0	105	11.2	107	2	70-130/30
78-93-3	Methyl ethyl ketone	10.8	14.8	137* [a]	14.8	137* [a]	0	70-130/30
108-10-1	Methyl Isobutyl Ketone	10.8	12.4	115	12.6	117	2	70-130/30
1634-04-4	Methyl Tert Butyl Ether	10.8	13.4	124	13.3	123	1	70-130/30
80-62-6	Methylmethacrylate	10.9	13.4	123	13.5	124	1	70-130/30
91-20-3	Naphthalene	10.9	12.3	113	11.3	104	8	70-130/30
115-07-1	Propylene	10.9	12.4	114	11.6	106	7	70-130/30
100-42-5	Styrene	11	13.4	122	13.4	122	0	70-130/30
71-55-6	1,1,1-Trichloroethane	10.8	12.2	113	11.8	109	3	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	10.9	11.3	104	11.3	104	0	70-130/30
79-00-5	1,1,2-Trichloroethane	10.7	11.5	107	11.6	108	1	70-130/30
120-82-1	1,2,4-Trichlorobenzene	10.9	16.7	153* [a]	15.0	138* [a]	11	70-130/30
95-63-6	1,2,4-Trimethylbenzene	11	12.2	111	11.9	108	2	70-130/30
108-67-8	1,3,5-Trimethylbenzene	10.9	12.3	113	12.0	110	2	70-130/30
540-84-1	2,2,4-Trimethylpentane	10.8	11.6	107	11.7	108	1	70-130/30
75-65-0	Tertiary Butyl Alcohol	9.9	11.7	118	11.5	116	2	70-130/30
127-18-4	Tetrachloroethylene	10.9	13.2	121	13.4	123	2	70-130/30
109-99-9	Tetrahydrofuran	10.5	14.3	136* [a]	14.0	133* [a]	2	70-130/30
108-88-3	Toluene	10.6	11.9	112	11.8	111	1	70-130/30
79-01-6	Trichloroethylene	10.5	10.8	103	10.9	104	1	70-130/30
75-69-4	Trichlorofluoromethane	10.6	10.9	103	10.8	102	1	70-130/30
75-01-4	Vinyl chloride	10.3	7.6	74	7.2	70	5	70-130/30
108-05-4	Vinyl Acetate	10.4	13.3	128	13.8	133* [a]	4	70-130/30
	m,p-Xylene	21.4	23.9	112	24.2	113	1	70-130/30
95-47-6	o-Xylene	10.9	11.9	109	11.9	109	0	70-130/30
1330-20-7	Xylenes (total)	32.3	35.8	111	36.1	112	1	70-130/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W2136-BS	5W55779.D	1	12/20/24	TCH	n/a	n/a	V5W2136
V5W2136-BSD	5W55781.D	1	12/20/24	TCH	n/a	n/a	V5W2136

The QC reported here applies to the following samples: **Method:** TO-15

JE2489-2, JE2489-3, JE2489-4

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	101%	99%	65-128%

(a) Outside in house control limits.
(b) High percent recovery and no associated positive reported in the QC batch.

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W2138-BS	5W55820.D	1	12/23/24	TCH	n/a	n/a	V5W2138
V5W2138-BSD	5W55821.D	1	12/23/24	TCH	n/a	n/a	V5W2138

The QC reported here applies to the following samples: **Method:** TO-15

JE2489-1

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone (2-Propanone)	10.3	8.3	81	8.5	83	2	70-130/30
106-99-0	1,3-Butadiene	10.8	10.8	100	11.1	103	3	70-130/30
71-43-2	Benzene	11	11.3	103	11.4	104	1	70-130/30
75-27-4	Bromodichloromethane	10.5	11.1	106	11.2	107	1	70-130/30
75-25-2	Bromoform	10.7	15.5	145* [a]	15.7	147* [a]	1	70-130/30
74-83-9	Bromomethane	10.5	10.4	99	10.6	101	2	70-130/30
593-60-2	Bromoethene	10.6	11.2	106	11.4	108	2	70-130/30
100-44-7	Benzyl Chloride	10.4	11.0	106	11.2	108	2	70-130/30
75-15-0	Carbon disulfide	10.6	11.4	108	11.6	109	2	70-130/30
108-90-7	Chlorobenzene	10.8	9.9	92	10.1	94	2	70-130/30
75-00-3	Chloroethane	10.4	10.5	101	10.8	104	3	70-130/30
67-66-3	Chloroform	10.8	11.4	106	11.6	107	2	70-130/30
74-87-3	Chloromethane	10.4	9.9	95	10.5	101	6	70-130/30
107-05-1	3-Chloropropene	10.5	11.6	110	12.0	114	3	70-130/30
95-49-8	2-Chlorotoluene	10.3	10.4	101	10.5	102	1	70-130/30
56-23-5	Carbon tetrachloride	10.8	11.5	106	11.7	108	2	70-130/30
110-82-7	Cyclohexane	10.9	11.9	109	12.0	110	1	70-130/30
75-34-3	1,1-Dichloroethane	10.7	11.0	103	11.3	106	3	70-130/30
75-35-4	1,1-Dichloroethylene	10.7	10.8	101	11.0	103	2	70-130/30
106-93-4	1,2-Dibromoethane (EDB)	11	10.9	99	11.1	101	2	70-130/30
107-06-2	1,2-Dichloroethane	10.9	12.1	111	12.4	114	2	70-130/30
78-87-5	1,2-Dichloropropane	10.5	10.1	96	10.3	98	2	70-130/30
123-91-1	1,4-Dioxane	10.5	11.0	105	11.2	107	2	70-130/30
75-71-8	Dichlorodifluoromethane	10.6	11.2	106	11.7	110	4	70-130/30
124-48-1	Dibromochloromethane	10.5	10.9	104	11.1	106	2	70-130/30
156-60-5	trans-1,2-Dichloroethylene	10.5	10.5	100	10.7	102	2	70-130/30
156-59-2	cis-1,2-Dichloroethylene	10.7	11.0	103	11.2	105	2	70-130/30
10061-01-5	cis-1,3-Dichloropropene	10.7	12.0	112	12.2	114	2	70-130/30
541-73-1	m-Dichlorobenzene	10.4	11.5	111	11.6	112	1	70-130/30
95-50-1	o-Dichlorobenzene	10.7	11.5	107	11.7	109	2	70-130/30
106-46-7	p-Dichlorobenzene	10.9	12.0	110	12.2	112	2	70-130/30
10061-02-6	trans-1,3-Dichloropropene	10.2	11.9	117	12.0	118	1	70-130/30
64-17-5	Ethanol	10.2	10.7	105	11.3	111	5	70-130/30
100-41-4	Ethylbenzene	11	11.6	105	11.8	107	2	70-130/30
141-78-6	Ethyl Acetate	10.8	12.3	114	12.6	117	2	70-130/30
622-96-8	4-Ethyltoluene	10.9	11.9	109	12.0	110	1	70-130/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W2138-BS	5W55820.D	1	12/23/24	TCH	n/a	n/a	V5W2138
V5W2138-BSD	5W55821.D	1	12/23/24	TCH	n/a	n/a	V5W2138

The QC reported here applies to the following samples: **Method:** TO-15

JE2489-1

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
76-13-1	Freon 113	10.6	12.8	121	13.1	124	2	70-130/30
76-14-2	Freon 114	11	11.9	108	12.3	112	3	70-130/30
142-82-5	Heptane	11	11.9	108	12.2	111	2	70-130/30
87-68-3	Hexachlorobutadiene	10.8	20.1	186* [a]	20.7	192* [a]	3	70-130/30
110-54-3	Hexane	10.8	11.1	103	11.4	106	3	70-130/30
591-78-6	2-Hexanone	10.6	12.3	116	12.5	118	2	70-130/30
67-63-0	Isopropyl Alcohol	10.6	10.4	98	10.8	102	4	70-130/30
75-09-2	Methylene chloride	10.5	10.2	97	10.3	98	1	70-130/30
78-93-3	Methyl ethyl ketone	10.8	13.4	124	13.5	125	1	70-130/30
108-10-1	Methyl Isobutyl Ketone	10.8	11.8	109	12.1	112	3	70-130/30
1634-04-4	Methyl Tert Butyl Ether	10.8	12.2	113	12.5	116	2	70-130/30
80-62-6	Methylmethacrylate	10.9	12.6	116	12.7	117	1	70-130/30
91-20-3	Naphthalene	10.9	12.1	111	12.3	113	2	70-130/30
115-07-1	Propylene	10.9	10.6	97	11.0	101	4	70-130/30
100-42-5	Styrene	11	12.2	111	12.4	113	2	70-130/30
71-55-6	1,1,1-Trichloroethane	10.8	11.3	105	11.5	106	2	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	10.9	10.8	99	11.0	101	2	70-130/30
79-00-5	1,1,2-Trichloroethane	10.7	10.9	102	10.9	102	0	70-130/30
120-82-1	1,2,4-Trichlorobenzene	10.9	17.7	162* [a]	17.9	164* [a]	1	70-130/30
95-63-6	1,2,4-Trimethylbenzene	11	12.1	110	12.3	112	2	70-130/30
108-67-8	1,3,5-Trimethylbenzene	10.9	11.7	107	11.8	108	1	70-130/30
540-84-1	2,2,4-Trimethylpentane	10.8	10.8	100	11.0	102	2	70-130/30
75-65-0	Tertiary Butyl Alcohol	9.9	10.9	110	11.2	113	3	70-130/30
127-18-4	Tetrachloroethylene	10.9	12.9	118	13.1	120	2	70-130/30
109-99-9	Tetrahydrofuran	10.5	12.8	122	13.2	126	3	70-130/30
108-88-3	Toluene	10.6	11.1	105	11.3	107	2	70-130/30
79-01-6	Trichloroethylene	10.5	10.3	98	10.4	99	1	70-130/30
75-69-4	Trichlorofluoromethane	10.6	11.1	105	11.5	108	4	70-130/30
75-01-4	Vinyl chloride	10.3	10.9	106	11.3	110	4	70-130/30
108-05-4	Vinyl Acetate	10.4	11.9	114	12.3	118	3	70-130/30
	m,p-Xylene	21.4	22.5	105	22.8	107	1	70-130/30
95-47-6	o-Xylene	10.9	11.4	105	11.5	106	1	70-130/30
1330-20-7	Xylenes (total)	32.3	33.8	105	34.2	106	1	70-130/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W2138-BS	5W55820.D	1	12/23/24	TCH	n/a	n/a	V5W2138
V5W2138-BSD	5W55821.D	1	12/23/24	TCH	n/a	n/a	V5W2138

The QC reported here applies to the following samples: **Method:** TO-15

JE2489-1

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	101%	100%	65-128%

(a) High percent recovery and no associated positive reported in the QC batch.

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W369-BS	7W09949.D	1	10/25/24	TCH	n/a	n/a	V7W369
V7W369-BSD	7W09950.D	1	10/25/24	TCH	n/a	n/a	V7W369

The QC reported here applies to the following samples: **Method:** TO-15

V7W369-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone (2-Propanone)	10.3	9.5	92	9.3	90	2	70-130/30
106-99-0	1,3-Butadiene	10.8	10.1	94	10.2	94	1	70-130/30
71-43-2	Benzene	11	11.5	105	11.6	105	1	70-130/30
75-27-4	Bromodichloromethane	10.5	10.6	101	11.0	105	4	70-130/30
75-25-2	Bromoform	10.7	11.9	111	12.1	113	2	70-130/30
74-83-9	Bromomethane	10.5	9.3	89	9.3	89	0	70-130/30
593-60-2	Bromoethene	10.6	10.0	94	10.1	95	1	70-130/30
100-44-7	Benzyl Chloride	10.4	20.4	196* [a]	21.3	205* [a]	4	70-130/30
75-15-0	Carbon disulfide	10.6	9.3	88	9.3	88	0	70-130/30
108-90-7	Chlorobenzene	10.8	10.1	94	10.5	97	4	70-130/30
75-00-3	Chloroethane	10.4	10.2	98	10.2	98	0	70-130/30
67-66-3	Chloroform	10.8	10.5	97	10.7	99	2	70-130/30
74-87-3	Chloromethane	10.4	8.9	86	9.0	87	1	70-130/30
107-05-1	3-Chloropropene	10.5	9.4	90	9.4	90	0	70-130/30
95-49-8	2-Chlorotoluene	10.3	10.0	97	10.2	99	2	70-130/30
56-23-5	Carbon tetrachloride	10.8	11.9	110	11.8	109	1	70-130/30
110-82-7	Cyclohexane	10.9	11.2	103	11.7	107	4	70-130/30
75-34-3	1,1-Dichloroethane	10.7	12.1	113	12.2	114	1	70-130/30
75-35-4	1,1-Dichloroethylene	10.7	9.6	90	9.7	91	1	70-130/30
106-93-4	1,2-Dibromoethane (EDB)	11	11.5	105	11.9	108	3	70-130/30
107-06-2	1,2-Dichloroethane	10.9	10.3	94	10.2	94	1	70-130/30
78-87-5	1,2-Dichloropropane	10.5	11.2	107	11.7	111	4	70-130/30
123-91-1	1,4-Dioxane	10.5	10.5	100	10.9	104	4	70-130/30
75-71-8	Dichlorodifluoromethane	10.6	9.9	93	10	94	1	70-130/30
124-48-1	Dibromochloromethane	10.5	11.1	106	11.7	111	5	70-130/30
156-60-5	trans-1,2-Dichloroethylene	10.5	10.8	103	10.9	104	1	70-130/30
156-59-2	cis-1,2-Dichloroethylene	10.7	10.9	102	11.4	107	4	70-130/30
10061-01-5	cis-1,3-Dichloropropene	10.7	12.1	113	12.7	119	5	70-130/30
541-73-1	m-Dichlorobenzene	10.4	10.5	101	10.8	104	3	70-130/30
95-50-1	o-Dichlorobenzene	10.7	10.4	97	10.8	101	4	70-130/30
106-46-7	p-Dichlorobenzene	10.9	10.7	98	11.0	101	3	70-130/30
10061-02-6	trans-1,3-Dichloropropene	10.2	11.9	117	12.6	124	6	70-130/30
64-17-5	Ethanol	10.2	10.7	105	10.8	106	1	70-130/30
100-41-4	Ethylbenzene	11	10.2	93	10.5	95	3	70-130/30
141-78-6	Ethyl Acetate	10.8	11.5	106	11.7	108	2	70-130/30
622-96-8	4-Ethyltoluene	10.9	10.6	97	11.0	101	4	70-130/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W369-BS	7W09949.D	1	10/25/24	TCH	n/a	n/a	V7W369
V7W369-BSD	7W09950.D	1	10/25/24	TCH	n/a	n/a	V7W369

The QC reported here applies to the following samples: **Method:** TO-15

V7W369-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
76-13-1	Freon 113	10.6	8.9	84	9.1	86	2	70-130/30
76-14-2	Freon 114	11	10.0	91	10.0	91	0	70-130/30
142-82-5	Heptane	11	10.2	93	10.6	96	4	70-130/30
87-68-3	Hexachlorobutadiene	10.8	10.8	100	11.8	109	9	70-130/30
110-54-3	Hexane	10.8	10.9	101	10.8	100	1	70-130/30
591-78-6	2-Hexanone	10.6	9.4	89	9.8	92	4	70-130/30
67-63-0	Isopropyl Alcohol	10.6	9.1	86	9.2	87	1	70-130/30
75-09-2	Methylene chloride	10.5	8.6	82	8.6	82	0	70-130/30
78-93-3	Methyl ethyl ketone	10.8	11.9	110	11.9	110	0	70-130/30
108-10-1	Methyl Isobutyl Ketone	10.8	10.1	94	10.6	98	5	70-130/30
1634-04-4	Methyl Tert Butyl Ether	10.8	11.6	107	11.7	108	1	70-130/30
80-62-6	Methylmethacrylate	10.9	11.6	106	12.1	111	4	70-130/30
91-20-3	Naphthalene	10.9	9.4	86	10.3	94	9	70-130/30
115-07-1	Propylene	10.9	12.1	111	12.2	112	1	70-130/30
100-42-5	Styrene	11	11.0	100	11.3	103	3	70-130/30
71-55-6	1,1,1-Trichloroethane	10.8	11.2	104	11.2	104	0	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	10.9	10.7	98	11.1	102	4	70-130/30
79-00-5	1,1,2-Trichloroethane	10.7	11.1	104	11.5	107	4	70-130/30
120-82-1	1,2,4-Trichlorobenzene	10.9	10.7	98	11.7	107	9	70-130/30
95-63-6	1,2,4-Trimethylbenzene	11	10.2	93	10.6	96	4	70-130/30
108-67-8	1,3,5-Trimethylbenzene	10.9	10.3	94	10.7	98	4	70-130/30
540-84-1	2,2,4-Trimethylpentane	10.8	10.9	101	11.4	106	4	70-130/30
75-65-0	Tertiary Butyl Alcohol	9.9	8.9	90	9.0	91	1	70-130/30
127-18-4	Tetrachloroethylene	10.9	11.4	105	11.6	106	2	70-130/30
109-99-9	Tetrahydrofuran	10.5	11.9	113	12.1	115	2	70-130/30
108-88-3	Toluene	10.6	10.4	98	10.9	103	5	70-130/30
79-01-6	Trichloroethylene	10.5	10.3	98	10.8	103	5	70-130/30
75-69-4	Trichlorofluoromethane	10.6	9.0	85	9.1	86	1	70-130/30
75-01-4	Vinyl chloride	10.3	10.3	100	10.2	99	1	70-130/30
108-05-4	Vinyl Acetate	10.4	11.3	109	11.6	112	3	70-130/30
	m,p-Xylene	21.4	19.7	92	20.3	95	3	70-130/30
95-47-6	o-Xylene	10.9	10.0	92	10.3	94	3	70-130/30
1330-20-7	Xylenes (total)	32.3	29.7	92	30.6	95	3	70-130/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W369-BS	7W09949.D	1	10/25/24	TCH	n/a	n/a	V7W369
V7W369-BSD	7W09950.D	1	10/25/24	TCH	n/a	n/a	V7W369

The QC reported here applies to the following samples: **Method:** TO-15

V7W369-SCC

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	95%	96%	65-128%

(a) High percent recovery and no associated positive reported in the QC batch.

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W387-BS	7W10577.D	1	11/18/24	BK	n/a	n/a	V7W387
V7W387-BSD	7W10578.D	1	11/18/24	BK	n/a	n/a	V7W387

The QC reported here applies to the following samples: **Method:** TO-15

V7W387-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone (2-Propanone)	10.3	9.6	93	9.8	95	2	70-130/30
106-99-0	1,3-Butadiene	10.8	10.3	95	9.7	90	6	70-130/30
71-43-2	Benzene	11	11.5	105	11.6	105	1	70-130/30
75-27-4	Bromodichloromethane	10.5	11.0	105	11.1	106	1	70-130/30
75-25-2	Bromoform	10.7	12.2	114	13.1	122	7	70-130/30
74-83-9	Bromomethane	10.5	10.2	97	10.3	98	1	70-130/30
593-60-2	Bromoethene	10.6	11.4	108	11.4	108	0	70-130/30
100-44-7	Benzyl Chloride	10.4	20.7	199* [a]	21.0	202* [a]	1	70-130/30
75-15-0	Carbon disulfide	10.6	9.6	91	9.5	90	1	70-130/30
108-90-7	Chlorobenzene	10.8	10.2	94	10.5	97	3	70-130/30
75-00-3	Chloroethane	10.4	10.6	102	10.7	103	1	70-130/30
67-66-3	Chloroform	10.8	10.8	100	10.9	101	1	70-130/30
74-87-3	Chloromethane	10.4	8.7	84	8.0	77	8	70-130/30
107-05-1	3-Chloropropene	10.5	9.4	90	9.6	91	2	70-130/30
95-49-8	2-Chlorotoluene	10.3	10	97	10.5	102	5	70-130/30
56-23-5	Carbon tetrachloride	10.8	12.4	115	12.4	115	0	70-130/30
110-82-7	Cyclohexane	10.9	11.4	105	11.5	106	1	70-130/30
75-34-3	1,1-Dichloroethane	10.7	12.5	117	12.5	117	0	70-130/30
75-35-4	1,1-Dichloroethylene	10.7	10.8	101	10.6	99	2	70-130/30
106-93-4	1,2-Dibromoethane (EDB)	11	11.6	105	11.7	106	1	70-130/30
107-06-2	1,2-Dichloroethane	10.9	10.6	97	10.6	97	0	70-130/30
78-87-5	1,2-Dichloropropane	10.5	12.1	115	12.0	114	1	70-130/30
123-91-1	1,4-Dioxane	10.5	10.6	101	10.6	101	0	70-130/30
75-71-8	Dichlorodifluoromethane	10.6	10.6	100	10.6	100	0	70-130/30
124-48-1	Dibromochloromethane	10.5	11.7	111	11.8	112	1	70-130/30
156-60-5	trans-1,2-Dichloroethylene	10.5	11.7	111	11.7	111	0	70-130/30
156-59-2	cis-1,2-Dichloroethylene	10.7	11.4	107	11.5	107	1	70-130/30
10061-01-5	cis-1,3-Dichloropropene	10.7	12.5	117	12.6	118	1	70-130/30
541-73-1	m-Dichlorobenzene	10.4	10.3	99	11.1	107	7	70-130/30
95-50-1	o-Dichlorobenzene	10.7	10.2	95	11.1	104	8	70-130/30
106-46-7	p-Dichlorobenzene	10.9	10.5	96	11.2	103	6	70-130/30
10061-02-6	trans-1,3-Dichloropropene	10.2	12.7	125	12.8	125	1	70-130/30
64-17-5	Ethanol	10.2	8.9	87	8.5	83	5	70-130/30
100-41-4	Ethylbenzene	11	10.3	94	10.5	95	2	70-130/30
141-78-6	Ethyl Acetate	10.8	11.8	109	11.8	109	0	70-130/30
622-96-8	4-Ethyltoluene	10.9	10.5	96	11.0	101	5	70-130/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W387-BS	7W10577.D	1	11/18/24	BK	n/a	n/a	V7W387
V7W387-BSD	7W10578.D	1	11/18/24	BK	n/a	n/a	V7W387

The QC reported here applies to the following samples: **Method:** TO-15

V7W387-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
76-13-1	Freon 113	10.6	11.1	105	10.9	103	2	70-130/30
76-14-2	Freon 114	11	10.6	96	10.8	98	2	70-130/30
142-82-5	Heptane	11	11.2	102	11.3	103	1	70-130/30
87-68-3	Hexachlorobutadiene	10.8	10.9	101	11.2	104	3	70-130/30
110-54-3	Hexane	10.8	11.4	106	11.4	106	0	70-130/30
591-78-6	2-Hexanone	10.6	9.9	93	10.0	94	1	70-130/30
67-63-0	Isopropyl Alcohol	10.6	8.8	83	8.6	81	2	70-130/30
75-09-2	Methylene chloride	10.5	9.1	87	9.1	87	0	70-130/30
78-93-3	Methyl ethyl ketone	10.8	12.2	113	12.1	112	1	70-130/30
108-10-1	Methyl Isobutyl Ketone	10.8	10.8	100	10.8	100	0	70-130/30
1634-04-4	Methyl Tert Butyl Ether	10.8	12.2	113	12.3	114	1	70-130/30
80-62-6	Methylmethacrylate	10.9	11.8	108	11.9	109	1	70-130/30
91-20-3	Naphthalene	10.9	8.9	82	9.2	84	3	70-130/30
115-07-1	Propylene	10.9	13.4	123	11.8	108	13	70-130/30
100-42-5	Styrene	11	10.9	99	11.3	103	4	70-130/30
71-55-6	1,1,1-Trichloroethane	10.8	11.7	108	11.8	109	1	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	10.9	10.5	96	10.7	98	2	70-130/30
79-00-5	1,1,2-Trichloroethane	10.7	11.3	106	11.3	106	0	70-130/30
120-82-1	1,2,4-Trichlorobenzene	10.9	10.1	93	10.4	95	3	70-130/30
95-63-6	1,2,4-Trimethylbenzene	11	10.1	92	10.5	95	4	70-130/30
108-67-8	1,3,5-Trimethylbenzene	10.9	10.3	94	10.6	97	3	70-130/30
540-84-1	2,2,4-Trimethylpentane	10.8	11.8	109	11.8	109	0	70-130/30
75-65-0	Tertiary Butyl Alcohol	9.9	9.1	92	9.1	92	0	70-130/30
127-18-4	Tetrachloroethylene	10.9	11.5	106	11.7	107	2	70-130/30
109-99-9	Tetrahydrofuran	10.5	12.1	115	12.2	116	1	70-130/30
108-88-3	Toluene	10.6	10.6	100	10.7	101	1	70-130/30
79-01-6	Trichloroethylene	10.5	10.6	101	10.7	102	1	70-130/30
75-69-4	Trichlorofluoromethane	10.6	10	94	9.9	93	1	70-130/30
75-01-4	Vinyl chloride	10.3	10.4	101	10.1	98	3	70-130/30
108-05-4	Vinyl Acetate	10.4	12.1	116	11.9	114	2	70-130/30
	m,p-Xylene	21.4	20.0	93	20.6	96	3	70-130/30
95-47-6	o-Xylene	10.9	10.0	92	10.3	94	3	70-130/30
1330-20-7	Xylenes (total)	32.3	30.0	93	30.9	96	3	70-130/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W387-BS	7W10577.D	1	11/18/24	BK	n/a	n/a	V7W387
V7W387-BSD	7W10578.D	1	11/18/24	BK	n/a	n/a	V7W387

The QC reported here applies to the following samples: **Method:** TO-15

V7W387-SCC

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	93%	94%	65-128%

(a) High percent recovery and no associated positive reported in the QC batch.

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W392-BS	7W10744.D	1	11/25/24	WC	n/a	n/a	V7W392
V7W392-BSD	7W10745.D	1	11/25/24	WC	n/a	n/a	V7W392

The QC reported here applies to the following samples: **Method:** TO-15

V7W392-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone (2-Propanone)	10.3	9.8	95	9.4	91	4	70-130/30
106-99-0	1,3-Butadiene	10.8	11.3	105	10.7	99	5	70-130/30
71-43-2	Benzene	11	11.1	101	10.9	99	2	70-130/30
75-27-4	Bromodichloromethane	10.5	11.0	105	10.6	101	4	70-130/30
75-25-2	Bromoform	10.7	11.9	111	11.4	107	4	70-130/30
74-83-9	Bromomethane	10.5	10.5	100	10.3	98	2	70-130/30
593-60-2	Bromoethene	10.6	10.9	103	10.7	101	2	70-130/30
100-44-7	Benzyl Chloride	10.4	21.7	209* [a]	21.2	204* [a]	2	70-130/30
75-15-0	Carbon disulfide	10.6	11.0	104	10.7	101	3	70-130/30
108-90-7	Chlorobenzene	10.8	10.8	100	10.7	99	1	70-130/30
75-00-3	Chloroethane	10.4	11.1	107	10.6	102	5	70-130/30
67-66-3	Chloroform	10.8	11.2	104	10.9	101	3	70-130/30
74-87-3	Chloromethane	10.4	10.4	100	9.8	94	6	70-130/30
107-05-1	3-Chloropropene	10.5	10.9	104	10.7	102	2	70-130/30
95-49-8	2-Chlorotoluene	10.3	10.7	104	10.5	102	2	70-130/30
56-23-5	Carbon tetrachloride	10.8	12.0	111	11.6	107	3	70-130/30
110-82-7	Cyclohexane	10.9	11.0	101	10.8	99	2	70-130/30
75-34-3	1,1-Dichloroethane	10.7	12.3	115	12.0	112	2	70-130/30
75-35-4	1,1-Dichloroethylene	10.7	10.6	99	10.8	101	2	70-130/30
106-93-4	1,2-Dibromoethane (EDB)	11	11.4	104	11.2	102	2	70-130/30
107-06-2	1,2-Dichloroethane	10.9	11.0	101	11.0	101	0	70-130/30
78-87-5	1,2-Dichloropropane	10.5	11.0	105	10.8	103	2	70-130/30
123-91-1	1,4-Dioxane	10.5	10	95	10.4	99	4	70-130/30
75-71-8	Dichlorodifluoromethane	10.6	10.8	102	10.6	100	2	70-130/30
124-48-1	Dibromochloromethane	10.5	10.9	104	10.7	102	2	70-130/30
156-60-5	trans-1,2-Dichloroethylene	10.5	10.7	102	10.6	101	1	70-130/30
156-59-2	cis-1,2-Dichloroethylene	10.7	11.3	106	11.2	105	1	70-130/30
10061-01-5	cis-1,3-Dichloropropene	10.7	12.0	112	11.8	110	2	70-130/30
541-73-1	m-Dichlorobenzene	10.4	10.8	104	10.6	102	2	70-130/30
95-50-1	o-Dichlorobenzene	10.7	10.8	101	10.6	99	2	70-130/30
106-46-7	p-Dichlorobenzene	10.9	11.0	101	10.9	100	1	70-130/30
10061-02-6	trans-1,3-Dichloropropene	10.2	12.3	121	12.0	118	2	70-130/30
64-17-5	Ethanol	10.2	10.1	99	9.5	93	6	70-130/30
100-41-4	Ethylbenzene	11	10.6	96	10.3	94	3	70-130/30
141-78-6	Ethyl Acetate	10.8	11.5	106	11.4	106	1	70-130/30
622-96-8	4-Ethyltoluene	10.9	11.0	101	11.0	101	0	70-130/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W392-BS	7W10744.D	1	11/25/24	WC	n/a	n/a	V7W392
V7W392-BSD	7W10745.D	1	11/25/24	WC	n/a	n/a	V7W392

The QC reported here applies to the following samples: **Method:** TO-15

V7W392-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
76-13-1	Freon 113	10.6	9.8	92	9.6	91	2	70-130/30
76-14-2	Freon 114	11	11.6	105	11.5	105	1	70-130/30
142-82-5	Heptane	11	10	91	9.9	90	1	70-130/30
87-68-3	Hexachlorobutadiene	10.8	11.8	109	11.5	106	3	70-130/30
110-54-3	Hexane	10.8	10.7	99	10.6	98	1	70-130/30
591-78-6	2-Hexanone	10.6	9.0	85	9.0	85	0	70-130/30
67-63-0	Isopropyl Alcohol	10.6	9.6	91	9.3	88	3	70-130/30
75-09-2	Methylene chloride	10.5	10.0	95	9.8	93	2	70-130/30
78-93-3	Methyl ethyl ketone	10.8	11.7	108	11.4	106	3	70-130/30
108-10-1	Methyl Isobutyl Ketone	10.8	9.9	92	9.8	91	1	70-130/30
1634-04-4	Methyl Tert Butyl Ether	10.8	11.8	109	11.7	108	1	70-130/30
80-62-6	Methylmethacrylate	10.9	11.1	102	10.9	100	2	70-130/30
91-20-3	Naphthalene	10.9	9.7	89	9.6	88	1	70-130/30
115-07-1	Propylene	10.9	11.6	106	11.1	102	4	70-130/30
100-42-5	Styrene	11	11.2	102	10.9	99	3	70-130/30
71-55-6	1,1,1-Trichloroethane	10.8	11.7	108	11.5	106	2	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	10.9	11.6	106	11.4	105	2	70-130/30
79-00-5	1,1,2-Trichloroethane	10.7	11.0	103	10.8	101	2	70-130/30
120-82-1	1,2,4-Trichlorobenzene	10.9	11.0	101	10.9	100	1	70-130/30
95-63-6	1,2,4-Trimethylbenzene	11	10.8	98	10.7	97	1	70-130/30
108-67-8	1,3,5-Trimethylbenzene	10.9	10.7	98	10.6	97	1	70-130/30
540-84-1	2,2,4-Trimethylpentane	10.8	10.6	98	10.5	97	1	70-130/30
75-65-0	Tertiary Butyl Alcohol	9.9	10.6	107	10.5	106	1	70-130/30
127-18-4	Tetrachloroethylene	10.9	11.0	101	10.9	100	1	70-130/30
109-99-9	Tetrahydrofuran	10.5	11.5	110	11.5	110	0	70-130/30
108-88-3	Toluene	10.6	9.9	93	9.7	92	2	70-130/30
79-01-6	Trichloroethylene	10.5	10.3	98	10.0	95	3	70-130/30
75-69-4	Trichlorofluoromethane	10.6	10.1	95	9.9	93	2	70-130/30
75-01-4	Vinyl chloride	10.3	11.5	112	11.2	109	3	70-130/30
108-05-4	Vinyl Acetate	10.4	11.8	113	11.1	107	6	70-130/30
	m,p-Xylene	21.4	20.6	96	20.1	94	2	70-130/30
95-47-6	o-Xylene	10.9	10.5	96	10.3	94	2	70-130/30
1330-20-7	Xylenes (total)	32.3	31.1	96	30.4	94	2	70-130/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W392-BS	7W10744.D	1	11/25/24	WC	n/a	n/a	V7W392
V7W392-BSD	7W10745.D	1	11/25/24	WC	n/a	n/a	V7W392

The QC reported here applies to the following samples: **Method:** TO-15

V7W392-SCC

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	98%	99%	65-128%

(a) High percent recovery and no associated positive reported in the QC batch.

* = Outside of Control Limits.

Duplicate Summary

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JE2665-1DUP	5W55785.D	1	12/20/24	TCH	n/a	n/a	V5W2136
JE2665-1	5W55784.D	1	12/20/24	TCH	n/a	n/a	V5W2136

The QC reported here applies to the following samples: **Method:** TO-15

JE2489-2, JE2489-3, JE2489-4

CAS No.	Compound	JE2665-1 ppbv	Q	DUP ppbv	Q	RPD	Limits
67-64-1	Acetone (2-Propanone)	1.5		1.5		0	25
106-99-0	1,3-Butadiene	ND		ND		nc	25
71-43-2	Benzene	ND		ND		nc	25
75-27-4	Bromodichloromethane	ND		ND		nc	25
75-25-2	Bromoform	ND		ND		nc	25
74-83-9	Bromomethane	ND		ND		nc	25
593-60-2	Bromoethene	ND		ND		nc	25
100-44-7	Benzyl Chloride	ND		ND		nc	25
75-15-0	Carbon disulfide	ND		ND		nc	25
108-90-7	Chlorobenzene	ND		ND		nc	25
75-00-3	Chloroethane	ND		ND		nc	25
67-66-3	Chloroform	ND		ND		nc	25
74-87-3	Chloromethane	ND		ND		nc	25
107-05-1	3-Chloropropene	ND		ND		nc	25
95-49-8	2-Chlorotoluene	ND		ND		nc	25
56-23-5	Carbon tetrachloride	ND		ND		nc	25
110-82-7	Cyclohexane	ND		ND		nc	25
75-34-3	1,1-Dichloroethane	ND		ND		nc	25
75-35-4	1,1-Dichloroethylene	ND		ND		nc	25
106-93-4	1,2-Dibromoethane (EDB)	ND		ND		nc	25
107-06-2	1,2-Dichloroethane	ND		ND		nc	25
78-87-5	1,2-Dichloropropane	ND		ND		nc	25
123-91-1	1,4-Dioxane	ND		ND		nc	25
75-71-8	Dichlorodifluoromethane	ND		ND		nc	25
124-48-1	Dibromochloromethane	ND		ND		nc	25
156-60-5	trans-1,2-Dichloroethylene	ND		ND		nc	25
156-59-2	cis-1,2-Dichloroethylene	ND		ND		nc	25
10061-01-5	cis-1,3-Dichloropropene	ND		ND		nc	25
541-73-1	m-Dichlorobenzene	ND		ND		nc	25
95-50-1	o-Dichlorobenzene	0.50	J	ND		200* [a]	25
106-46-7	p-Dichlorobenzene	ND		ND		nc	25
10061-02-6	trans-1,3-Dichloropropene	ND		ND		nc	25
64-17-5	Ethanol	1.8	J	2.2		20	25
100-41-4	Ethylbenzene	ND		ND		nc	25
141-78-6	Ethyl Acetate	0.71	J	0.79	J	11	25
622-96-8	4-Ethyltoluene	ND		ND		nc	25

* = Outside of Control Limits.

Duplicate Summary

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JE2665-1DUP	5W55785.D	1	12/20/24	TCH	n/a	n/a	V5W2136
JE2665-1	5W55784.D	1	12/20/24	TCH	n/a	n/a	V5W2136

The QC reported here applies to the following samples: **Method:** TO-15

JE2489-2, JE2489-3, JE2489-4

CAS No.	Compound	JE2665-1 ppbv	Q	DUP ppbv	Q	RPD	Limits
76-13-1	Freon 113	ND		ND		nc	25
76-14-2	Freon 114	ND		ND		nc	25
142-82-5	Heptane	ND		ND		nc	25
87-68-3	Hexachlorobutadiene	ND		ND		nc	25
110-54-3	Hexane	ND		ND		nc	25
591-78-6	2-Hexanone	ND		ND		nc	25
67-63-0	Isopropyl Alcohol	ND		ND		nc	25
75-09-2	Methylene chloride	ND		ND		nc	25
78-93-3	Methyl ethyl ketone	ND		ND		nc	25
108-10-1	Methyl Isobutyl Ketone	ND		ND		nc	25
1634-04-4	Methyl Tert Butyl Ether	ND		ND		nc	25
80-62-6	Methylmethacrylate	ND		ND		nc	25
91-20-3	Naphthalene	2.0		ND		200* [a]	25
115-07-1	Propylene	ND		ND		nc	25
100-42-5	Styrene	ND		ND		nc	25
71-55-6	1,1,1-Trichloroethane	ND		ND		nc	25
79-34-5	1,1,2,2-Tetrachloroethane	ND		ND		nc	25
79-00-5	1,1,2-Trichloroethane	ND		ND		nc	25
120-82-1	1,2,4-Trichlorobenzene	2.1		ND		200* [a]	25
95-63-6	1,2,4-Trimethylbenzene	ND		ND		nc	25
108-67-8	1,3,5-Trimethylbenzene	ND		ND		nc	25
540-84-1	2,2,4-Trimethylpentane	ND		ND		nc	25
75-65-0	Tertiary Butyl Alcohol	ND		ND		nc	25
127-18-4	Tetrachloroethylene	ND		ND		nc	25
109-99-9	Tetrahydrofuran	ND		ND		nc	25
108-88-3	Toluene	ND		ND		nc	25
79-01-6	Trichloroethylene	0.28		ND		200* [a]	25
75-69-4	Trichlorofluoromethane	ND		ND		nc	25
75-01-4	Vinyl chloride	ND		ND		nc	25
108-05-4	Vinyl Acetate	ND		ND		nc	25
	m,p-Xylene	ND		ND		nc	25
95-47-6	o-Xylene	ND		ND		nc	25
1330-20-7	Xylenes (total)	ND		ND		nc	25

* = Outside of Control Limits.

Duplicate Summary

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JE2665-1DUP	5W55785.D	1	12/20/24	TCH	n/a	n/a	V5W2136
JE2665-1	5W55784.D	1	12/20/24	TCH	n/a	n/a	V5W2136

The QC reported here applies to the following samples: **Method:** TO-15

JE2489-2, JE2489-3, JE2489-4

CAS No.	Surrogate Recoveries	DUP	JE2665-1	Limits
460-00-4	4-Bromofluorobenzene	113%	111%	65-128%

(a) RPD acceptable due to low DUP and sample concentrations.

* = Outside of Control Limits.

Duplicate Summary

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JE2315-1DUP	5W55826.D	1	12/23/24	TCH	n/a	n/a	V5W2138
JE2315-1	5W55825.D	1	12/23/24	TCH	n/a	n/a	V5W2138

The QC reported here applies to the following samples: **Method:** TO-15

JE2489-1

CAS No.	Compound	JE2315-1 ppbv	Q	DUP ppbv	Q	RPD	Limits
67-64-1	Acetone (2-Propanone)	3.7		3.6		3	25
106-99-0	1,3-Butadiene	ND		ND		nc	25
71-43-2	Benzene	0.40		0.41		2	25
75-27-4	Bromodichloromethane	ND		ND		nc	25
75-25-2	Bromoform	ND		ND		nc	25
74-83-9	Bromomethane	ND		ND		nc	25
593-60-2	Bromoethene	ND		ND		nc	25
100-44-7	Benzyl Chloride	ND		ND		nc	25
75-15-0	Carbon disulfide	ND		ND		nc	25
108-90-7	Chlorobenzene	ND		ND		nc	25
75-00-3	Chloroethane	ND		ND		nc	25
67-66-3	Chloroform	ND		ND		nc	25
74-87-3	Chloromethane	0.51		0.44		15	25
107-05-1	3-Chloropropene	ND		ND		nc	25
95-49-8	2-Chlorotoluene	ND		ND		nc	25
56-23-5	Carbon tetrachloride	ND		ND		nc	25
110-82-7	Cyclohexane	0.24		0.25		4	25
75-34-3	1,1-Dichloroethane	ND		ND		nc	25
75-35-4	1,1-Dichloroethylene	ND		ND		nc	25
106-93-4	1,2-Dibromoethane (EDB)	ND		ND		nc	25
107-06-2	1,2-Dichloroethane	ND		ND		nc	25
78-87-5	1,2-Dichloropropane	ND		ND		nc	25
123-91-1	1,4-Dioxane	ND		ND		nc	25
75-71-8	Dichlorodifluoromethane	0.48		0.42		13	25
124-48-1	Dibromochloromethane	ND		ND		nc	25
156-60-5	trans-1,2-Dichloroethylene	ND		ND		nc	25
156-59-2	cis-1,2-Dichloroethylene	ND		ND		nc	25
10061-01-5	cis-1,3-Dichloropropene	ND		ND		nc	25
541-73-1	m-Dichlorobenzene	ND		ND		nc	25
95-50-1	o-Dichlorobenzene	0.10	J	ND		200* [a]	25
106-46-7	p-Dichlorobenzene	ND		ND		nc	25
10061-02-6	trans-1,3-Dichloropropene	ND		ND		nc	25
64-17-5	Ethanol	7.8		7.5		4	25
100-41-4	Ethylbenzene	0.15	J	0.14	J	7	25
141-78-6	Ethyl Acetate	ND		ND		nc	25
622-96-8	4-Ethyltoluene	ND		ND		nc	25

* = Outside of Control Limits.

Duplicate Summary

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JE2315-1DUP	5W55826.D	1	12/23/24	TCH	n/a	n/a	V5W2138
JE2315-1	5W55825.D	1	12/23/24	TCH	n/a	n/a	V5W2138

The QC reported here applies to the following samples: **Method:** TO-15

JE2489-1

CAS No.	Compound	JE2315-1 ppbv	Q	DUP ppbv	Q	RPD	Limits
76-13-1	Freon 113	ND		ND		nc	25
76-14-2	Freon 114	ND		ND		nc	25
142-82-5	Heptane	0.30		0.30		0	25
87-68-3	Hexachlorobutadiene	ND		ND		nc	25
110-54-3	Hexane	1.3		1.4		7	25
591-78-6	2-Hexanone	ND		ND		nc	25
67-63-0	Isopropyl Alcohol	0.52		0.52		0	25
75-09-2	Methylene chloride	0.59		0.58		2	25
78-93-3	Methyl ethyl ketone	0.56		0.57		2	25
108-10-1	Methyl Isobutyl Ketone	ND		ND		nc	25
1634-04-4	Methyl Tert Butyl Ether	ND		ND		nc	25
80-62-6	Methylmethacrylate	ND		ND		nc	25
91-20-3	Naphthalene	0.46		ND		200* [a]	25
115-07-1	Propylene	ND		ND		nc	25
100-42-5	Styrene	ND		ND		nc	25
71-55-6	1,1,1-Trichloroethane	ND		ND		nc	25
79-34-5	1,1,2,2-Tetrachloroethane	ND		ND		nc	25
79-00-5	1,1,2-Trichloroethane	ND		ND		nc	25
120-82-1	1,2,4-Trichlorobenzene	0.50		0.14	J	113* [a]	25
95-63-6	1,2,4-Trimethylbenzene	0.13	J	0.11	J	17	25
108-67-8	1,3,5-Trimethylbenzene	ND		ND		nc	25
540-84-1	2,2,4-Trimethylpentane	0.36		0.36		0	25
75-65-0	Tertiary Butyl Alcohol	ND		ND		nc	25
127-18-4	Tetrachloroethylene	0.076		0.061		22	25
109-99-9	Tetrahydrofuran	ND		ND		nc	25
108-88-3	Toluene	0.72		0.74		3	25
79-01-6	Trichloroethylene	0.071		ND		200* [a]	25
75-69-4	Trichlorofluoromethane	0.24		0.23		4	25
75-01-4	Vinyl chloride	ND		ND		nc	25
108-05-4	Vinyl Acetate	ND		ND		nc	25
	m,p-Xylene	0.57		0.57		0	25
95-47-6	o-Xylene	0.18	J	0.16	J	12	25
1330-20-7	Xylenes (total)	0.75		0.73		3	25

* = Outside of Control Limits.

Duplicate Summary

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JE2315-1DUP	5W55826.D	1	12/23/24	TCH	n/a	n/a	V5W2138
JE2315-1	5W55825.D	1	12/23/24	TCH	n/a	n/a	V5W2138

The QC reported here applies to the following samples: **Method:** TO-15

JE2489-1

CAS No.	Surrogate Recoveries	DUP	JE2315-1	Limits
460-00-4	4-Bromofluorobenzene	109%	107%	65-128%

(a) RPD acceptable due to low DUP and sample concentrations.

* = Outside of Control Limits.

Summa Cleaning Certification

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W369-SCC	7W09977.D	1	10/26/24	TCH	n/a	n/a	V7W369

The QC reported here (Summa M139) applies to the following samples: **Method:** TO-15

Batch CP12902 cleaned 10/10/24: JE2489-1(A231)

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
67-64-1	Acetone (2-Propanone)	ND	0.20	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane (EDB)	ND	0.20	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	ppbv		ND	0.98	ug/m3

Summa Cleaning Certification

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W369-SCC	7W09977.D	1	10/26/24	TCH	n/a	n/a	V7W369

The QC reported here (Summa M139) applies to the following samples: **Method:** TO-15

Batch CP12902 cleaned 10/10/24: JE2489-1(A231)

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	ppbv		ND	0.72	ug/m3
80-62-6	Methylmethacrylate	ND	0.20	ppbv		ND	0.82	ug/m3
91-20-3	Naphthalene	ND	0.20	ppbv		ND	1.0	ug/m3
115-07-1	Propylene	ND	0.50	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	ppbv		ND	0.87	ug/m3

Summa Cleaning Certification

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W369-SCC	7W09977.D	1	10/26/24	TCH	n/a	n/a	V7W369

The QC reported here (Summa M139) applies to the following samples: **Method:** TO-15

Batch CP12902 cleaned 10/10/24: JE2489-1(A231)

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	94%	65-128%

Summa Cleaning Certification

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W387-SCC	7W10605.D	1	11/19/24	BK	n/a	n/a	V7W387

The QC reported here (Summa A779) applies to the following samples: **Method:** TO-15

Batch CP12922 cleaned 11/08/24: JE2489-2(A1629), JE2489-3(A1641)

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
67-64-1	Acetone (2-Propanone)	ND	0.20	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane (EDB)	ND	0.20	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	ppbv		ND	0.98	ug/m3

Summa Cleaning Certification

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W387-SCC	7W10605.D	1	11/19/24	BK	n/a	n/a	V7W387

The QC reported here (Summa A779) applies to the following samples: **Method:** TO-15

Batch CP12922 cleaned 11/08/24: JE2489-2(A1629), JE2489-3(A1641)

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	ppbv		ND	0.72	ug/m3
80-62-6	Methylmethacrylate	ND	0.20	ppbv		ND	0.82	ug/m3
91-20-3	Naphthalene	ND	0.20	ppbv		ND	1.0	ug/m3
115-07-1	Propylene	ND	0.50	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	ppbv		ND	0.87	ug/m3

Summa Cleaning Certification

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W387-SCC	7W10605.D	1	11/19/24	BK	n/a	n/a	V7W387

The QC reported here (Summa A779) applies to the following samples: **Method:** TO-15

Batch CP12922 cleaned 11/08/24: JE2489-2(A1629), JE2489-3(A1641)

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	85%	65-128%

Summa Cleaning Certification

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W392-SCC	7W10777.D	1	11/26/24	WC	n/a	n/a	V7W392

The QC reported here (Summa A1858) applies to the following samples: **Method:** TO-15

Batch CP12926 cleaned 11/16/24: JE2489-4(A1190)

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
67-64-1	Acetone (2-Propanone)	ND	0.20	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride [a]	ND	0.20	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane (EDB)	ND	0.20	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	ppbv		ND	0.98	ug/m3

Summa Cleaning Certification

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W392-SCC	7W10777.D	1	11/26/24	WC	n/a	n/a	V7W392

The QC reported here (Summa A1858) applies to the following samples: **Method:** TO-15

Batch CP12926 cleaned 11/16/24: JE2489-4(A1190)

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	ppbv		ND	0.72	ug/m3
80-62-6	Methylmethacrylate	ND	0.20	ppbv		ND	0.82	ug/m3
91-20-3	Naphthalene	ND	0.20	ppbv		ND	1.0	ug/m3
115-07-1	Propylene	ND	0.50	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	ppbv		ND	0.87	ug/m3

Summa Cleaning Certification

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W392-SCC	7W10777.D	1	11/26/24	WC	n/a	n/a	V7W392

The QC reported here (Summa A1858) applies to the following samples: **Method:** TO-15

Batch CP12926 cleaned 11/16/24: JE2489-4(A1190)

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	100%	65-128%

(a) This compound in blank spike is outside in house QC limits bias high.

Instrument Performance Check (BFB)

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample: V5W2125-BFB
Lab File ID: 5W55458.D
Instrument ID: GCMS5W
Injection Date: 12/09/24
Injection Time: 03:34

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	87907	21.0		Pass
75	30.0 - 66.0% of mass 95	218027	52.1		Pass
95	Base peak, 100% relative abundance	418581	100.0		Pass
96	5.0 - 9.0% of mass 95	28349	6.77		Pass
173	Less than 2.0% of mass 174	3695	0.88	(1.07) [a]	Pass
174	50.0 - 120.0% of mass 95	343765	82.1		Pass
175	4.0 - 9.01% of mass 174	26424	6.31	(7.69) [a]	Pass
176	93.0 - 101.0% of mass 174	334720	80.0	(97.4) [a]	Pass
177	5.0 - 9.0% of mass 176	22512	5.38	(6.73) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V5W2125-IC2125	5W55459.D	12/09/24	04:14	00:40	Initial cal 0.04
V5W2125-IC2125	5W55460.D	12/09/24	04:54	01:20	Initial cal 0.1
V5W2125-IC2125	5W55461.D	12/09/24	05:35	02:01	Initial cal 0.2
V5W2125-IC2125	5W55463.D	12/09/24	06:59	03:25	Initial cal 0.5
V5W2125-IC2125	5W55464.D	12/09/24	07:45	04:11	Initial cal 5
V5W2125-ICC2125	5W55466.D	12/09/24	09:03	05:29	Initial cal 10
V5W2125-IC2125	5W55467.D	12/09/24	09:45	06:11	Initial cal 20
V5W2125-IC2125	5W55468.D	12/09/24	10:29	06:55	Initial cal 40
V5W2125-IC2125	5W55469.D	12/09/24	11:14	07:40	Initial cal 50
V5W2125-ICV2125	5W55473.D	12/09/24	13:55	10:21	Initial cal verification 10

Instrument Performance Check (BFB)

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample: V5W2136-BFB
Lab File ID: 5W55777.D
Instrument ID: GCMS5W
Injection Date: 12/20/24
Injection Time: 12:26

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	103472	19.2		Pass
75	30.0 - 66.0% of mass 95	287701	53.3		Pass
95	Base peak, 100% relative abundance	539797	100.0		Pass
96	5.0 - 9.0% of mass 95	34869	6.46		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	639147	118.4		Pass
175	4.0 - 9.01% of mass 174	46992	8.71	(7.35) [a]	Pass
176	93.0 - 101.0% of mass 174	621632	115.2	(97.3) [a]	Pass
177	5.0 - 9.0% of mass 176	40723	7.54	(6.55) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V5W2136-CC2125	5W55778.D	12/20/24	13:06	00:40	Continuing cal 10
V5W2136-BS	5W55779.D	12/20/24	13:55	01:29	Blank Spike
V5W2136-BSD	5W55781.D	12/20/24	15:34	03:08	Blank Spike Duplicate
V5W2136-MB	5W55783.D	12/20/24	17:06	04:40	Method Blank
JE2665-1	5W55784.D	12/20/24	18:21	05:55	(used for QC only; not part of job JE2489)
JE2665-1DUP	5W55785.D	12/20/24	19:03	06:37	Duplicate
JE2489-2	5W55786.D	12/20/24	19:55	07:29	IA-7
JE2489-3	5W55788.D	12/20/24	21:22	08:56	SS-8
JE2489-4	5W55789.D	12/20/24	22:14	09:48	IA-8
ZZZZZZ	5W55790.D	12/20/24	22:55	10:29	(unrelated sample)
ZZZZZZ	5W55791.D	12/20/24	23:46	11:20	(unrelated sample)
ZZZZZZ	5W55792.D	12/21/24	00:26	12:00	(unrelated sample)
ZZZZZZ	5W55793.D	12/21/24	01:09	12:43	(unrelated sample)
ZZZZZZ	5W55794.D	12/21/24	01:49	13:23	(unrelated sample)
ZZZZZZ	5W55795.D	12/21/24	02:30	14:04	(unrelated sample)
ZZZZZZ	5W55796.D	12/21/24	03:11	14:45	(unrelated sample)
ZZZZZZ	5W55797.D	12/21/24	03:54	15:28	(unrelated sample)
ZZZZZZ	5W55798.D	12/21/24	04:35	16:09	(unrelated sample)
ZZZZZZ	5W55799.D	12/21/24	05:21	16:55	(unrelated sample)
ZZZZZZ	5W55800.D	12/21/24	06:08	17:42	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample: V5W2138-BFB
Lab File ID: 5W55818.D
Instrument ID: GCMS5W
Injection Date: 12/23/24
Injection Time: 08:13

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	80464	22.0		Pass
75	30.0 - 66.0% of mass 95	208725	57.0		Pass
95	Base peak, 100% relative abundance	365867	100.0		Pass
96	5.0 - 9.0% of mass 95	24203	6.62		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	437760	119.7		Pass
175	4.0 - 9.01% of mass 174	33048	9.03	(7.55) [a]	Pass
176	93.0 - 101.0% of mass 174	427712	116.9	(97.7) [a]	Pass
177	5.0 - 9.0% of mass 176	29384	8.03	(6.87) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V5W2138-CC2125	5W55819.D	12/23/24	09:11	00:58	Continuing cal 10
V5W2138-BS	5W55820.D	12/23/24	10:07	01:54	Blank Spike
V5W2138-BSD	5W55821.D	12/23/24	11:17	03:04	Blank Spike Duplicate
V5W2138-MB	5W55823.D	12/23/24	12:54	04:41	Method Blank
V5W2138-SCC	5W55824.D	12/23/24	14:29	06:16	Summa Cleaning Certification
JE2315-1	5W55825.D	12/23/24	15:24	07:11	(used for QC only; not part of job JE2489)
JE2315-1DUP	5W55826.D	12/23/24	16:11	07:58	Duplicate
ZZZZZZ	5W55827.D	12/23/24	16:52	08:39	(unrelated sample)
ZZZZZZ	5W55828.D	12/23/24	17:34	09:21	(unrelated sample)
JE2489-1	5W55829.D	12/23/24	18:20	10:07	SS-7
ZZZZZZ	5W55830.D	12/23/24	19:01	10:48	(unrelated sample)
ZZZZZZ	5W55831.D	12/23/24	19:43	11:30	(unrelated sample)
ZZZZZZ	5W55832.D	12/23/24	20:23	12:10	(unrelated sample)
ZZZZZZ	5W55833.D	12/23/24	21:09	12:56	(unrelated sample)
ZZZZZZ	5W55834.D	12/23/24	21:56	13:43	(unrelated sample)
ZZZZZZ	5W55835.D	12/23/24	22:42	14:29	(unrelated sample)
ZZZZZZ	5W55836.D	12/23/24	23:28	15:15	(unrelated sample)
ZZZZZZ	5W55837.D	12/24/24	00:14	16:01	(unrelated sample)
ZZZZZZ	5W55838.D	12/24/24	01:01	16:48	(unrelated sample)
ZZZZZZ	5W55839.D	12/24/24	01:54	17:41	(unrelated sample)
ZZZZZZ	5W55840.D	12/24/24	02:41	18:28	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample: V7W305-BFB
Lab File ID: 7W07974.D
Instrument ID: GCMS7W
Injection Date: 08/18/24
Injection Time: 21:06

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	20443	24.4		Pass
75	30.0 - 66.0% of mass 95	43320	51.7		Pass
95	Base peak, 100% relative abundance	83736	100.0		Pass
96	5.0 - 9.0% of mass 95	5915	7.06		Pass
173	Less than 2.0% of mass 174	627	0.75	(1.02) [a]	Pass
174	50.0 - 120.0% of mass 95	61525	73.5		Pass
175	4.0 - 9.01% of mass 174	4526	5.41	(7.36) [a]	Pass
176	93.0 - 101.0% of mass 174	58768	70.2	(95.5) [a]	Pass
177	5.0 - 9.0% of mass 176	3856	4.60	(6.56) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V7W305-IC305	7W07975.D	08/18/24	21:40	00:34	Initial cal 0.04
V7W305-IC305	7W07976.D	08/18/24	22:13	01:07	Initial cal 0.10
V7W305-IC305	7W07977.D	08/18/24	22:49	01:43	Initial cal 0.20
V7W305-IC305	7W07978.D	08/18/24	23:22	02:16	Initial cal 0.50
V7W305-IC305	7W07979.D	08/19/24	00:01	02:55	Initial cal 5
V7W305-ICC305	7W07980.D	08/19/24	00:35	03:29	Initial cal 10
V7W305-IC305	7W07981.D	08/19/24	01:10	04:04	Initial cal 20
V7W305-IC305	7W07982.D	08/19/24	01:48	04:42	Initial cal 40
V7W305-IC305	7W07983.D	08/19/24	02:28	05:22	Initial cal 50
V7W305-ICV305	7W07990.D	08/19/24	06:28	09:22	Initial cal verification 10
V7W306-BS	7W07991.D	08/19/24	07:07	10:01	Blank Spike
V7W306-BSD	7W07992.D	08/19/24	07:40	10:34	Blank Spike Duplicate
V7W306-MB	7W07996.D	08/19/24	10:30	13:24	Method Blank
ZZZZZZ	7W07997.D	08/19/24	11:04	13:58	(unrelated sample)
ZZZZZZ	7W07998.D	08/19/24	11:39	14:33	(unrelated sample)
ZZZZZZ	7W07999.D	08/19/24	12:15	15:09	(unrelated sample)
JD93469-1	7W08000.D	08/19/24	12:50	15:44	(used for QC only; not part of job JE2489)
JD93469-1DUP	7W08001.D	08/19/24	13:26	16:20	Duplicate
ZZZZZZ	7W08002.D	08/19/24	14:07	17:01	(unrelated sample)
ZZZZZZ	7W08003.D	08/19/24	14:50	17:44	(unrelated sample)
ZZZZZZ	7W08004.D	08/19/24	15:30	18:24	(unrelated sample)
ZZZZZZ	7W08005.D	08/19/24	16:05	18:59	(unrelated sample)
ZZZZZZ	7W08006.D	08/19/24	16:46	19:40	(unrelated sample)
ZZZZZZ	7W08007.D	08/19/24	17:31	20:25	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample:	V7W305-BFB	**Injection Date:**	08/18/24
Lab File ID:	7W07974.D	**Injection Time:**	21:06
Instrument ID:	GCMS7W		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	7W08008.D	08/19/24	18:11	21:05	(unrelated sample)
ZZZZZZ	7W08009.D	08/19/24	18:52	21:46	(unrelated sample)
ZZZZZZ	7W08010.D	08/19/24	20:04	22:58	(unrelated sample)
ZZZZZZ	7W08011.D	08/19/24	20:43	23:37	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample:	V7W369-BFB	**Injection Date:**	10/25/24
Lab File ID:	7W09947.D	**Injection Time:**	10:24
Instrument ID:	GCMS7W		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	12909	20.0		Pass
75	30.0 - 66.0% of mass 95	30776	47.8		Pass
95	Base peak, 100% relative abundance	64424	100.0		Pass
96	5.0 - 9.0% of mass 95	4359	6.77		Pass
173	Less than 2.0% of mass 174	343	0.53	(0.69) [a]	Pass
174	50.0 - 120.0% of mass 95	49555	76.9		Pass
175	4.0 - 9.01% of mass 174	3587	5.57	(7.24) [a]	Pass
176	93.0 - 101.0% of mass 174	48805	75.8	(98.5) [a]	Pass
177	5.0 - 9.0% of mass 176	3104	4.82	(6.36) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V7W369-CC305	7W09948.D	10/25/24	11:00	00:36	Continuing cal 10
V7W369-BS	7W09949.D	10/25/24	12:02	01:38	Blank Spike
V7W369-BSD	7W09950.D	10/25/24	12:38	02:14	Blank Spike Duplicate
V7W369-MB	7W09952.D	10/25/24	14:04	03:40	Method Blank
ZZZZZZ	7W09953.D	10/25/24	15:54	05:30	(unrelated sample)
ZZZZZZ	7W09954.D	10/25/24	16:29	06:05	(unrelated sample)
ZZZZZZ	7W09955.D	10/25/24	17:04	06:40	(unrelated sample)
ZZZZZZ	7W09956.D	10/25/24	17:40	07:16	(unrelated sample)
JD98774-1	7W09957.D	10/25/24	18:22	07:58	(used for QC only; not part of job JE2489)
JD98774-1DUP	7W09958.D	10/25/24	19:04	08:40	Duplicate
ZZZZZZ	7W09959.D	10/25/24	19:46	09:22	(unrelated sample)
ZZZZZZ	7W09960.D	10/25/24	20:28	10:04	(unrelated sample)
ZZZZZZ	7W09961.D	10/25/24	21:10	10:46	(unrelated sample)
ZZZZZZ	7W09962.D	10/25/24	21:51	11:27	(unrelated sample)
ZZZZZZ	7W09963.D	10/25/24	22:32	12:08	(unrelated sample)
ZZZZZZ	7W09964.D	10/25/24	23:14	12:50	(unrelated sample)
ZZZZZZ	7W09965.D	10/25/24	23:55	13:31	(unrelated sample)
ZZZZZZ	7W09966.D	10/26/24	00:32	14:08	(unrelated sample)
ZZZZZZ	7W09971.D	10/26/24	03:25	17:01	(unrelated sample)
ZZZZZZ	7W09972.D	10/26/24	04:01	17:37	(unrelated sample)
V7W369-SCC	7W09976.D	10/26/24	06:41	20:17	Summa Cleaning Certification
V7W369-SCC	7W09977.D	10/26/24	07:22	20:58	Summa Cleaning Certification
V7W369-SCC	7W09978.D	10/26/24	08:03	21:39	Summa Cleaning Certification
V7W369-SCC	7W09979.D	10/26/24	08:43	22:19	Summa Cleaning Certification

Instrument Performance Check (BFB)

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample: V7W387-BFB
Lab File ID: 7W10575.D
Instrument ID: GCMS7W
Injection Date: 11/18/24
Injection Time: 08:59

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	12830	18.3		Pass
75	30.0 - 66.0% of mass 95	33101	47.2		Pass
95	Base peak, 100% relative abundance	70203	100.0		Pass
96	5.0 - 9.0% of mass 95	4918	7.01		Pass
173	Less than 2.0% of mass 174	423	0.60	(0.70) [a]	Pass
174	50.0 - 120.0% of mass 95	60187	85.7		Pass
175	4.0 - 9.01% of mass 174	4410	6.28	(7.33) [a]	Pass
176	93.0 - 101.0% of mass 174	57075	81.3	(94.8) [a]	Pass
177	5.0 - 9.0% of mass 176	3652	5.20	(6.40) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V7W387-CC305	7W10576.D	11/18/24	09:35	00:36	Continuing cal 10
V7W387-BS	7W10577.D	11/18/24	10:11	01:12	Blank Spike
V7W387-BSD	7W10578.D	11/18/24	10:46	01:47	Blank Spike Duplicate
V7W387-MB	7W10580.D	11/18/24	12:04	03:05	Method Blank
JD99820-1	7W10582.D	11/18/24	13:59	05:00	(used for QC only; not part of job JE2489)
JD99820-1DUP	7W10583.D	11/18/24	14:40	05:41	Duplicate
ZZZZZZ	7W10584.D	11/18/24	15:21	06:22	(unrelated sample)
ZZZZZZ	7W10586.D	11/18/24	16:44	07:45	(unrelated sample)
ZZZZZZ	7W10587.D	11/18/24	17:25	08:26	(unrelated sample)
ZZZZZZ	7W10588.D	11/18/24	18:07	09:08	(unrelated sample)
ZZZZZZ	7W10590.D	11/18/24	19:30	10:31	(unrelated sample)
ZZZZZZ	7W10591.D	11/18/24	20:11	11:12	(unrelated sample)
ZZZZZZ	7W10592.D	11/18/24	20:52	11:53	(unrelated sample)
ZZZZZZ	7W10593.D	11/18/24	21:28	12:29	(unrelated sample)
ZZZZZZ	7W10594.D	11/18/24	22:04	13:05	(unrelated sample)
ZZZZZZ	7W10595.D	11/18/24	22:41	13:42	(unrelated sample)
ZZZZZZ	7W10597.D	11/18/24	23:53	14:54	(unrelated sample)
ZZZZZZ	7W10598.D	11/19/24	00:29	15:30	(unrelated sample)
ZZZZZZ	7W10599.D	11/19/24	01:06	16:07	(unrelated sample)
ZZZZZZ	7W10601.D	11/19/24	02:18	17:19	(unrelated sample)
ZZZZZZ	7W10602.D	11/19/24	02:55	17:56	(unrelated sample)
V7W387-SCC	7W10603.D	11/19/24	03:31	18:32	Summa Cleaning Certification
V7W387-SCC	7W10604.D	11/19/24	04:07	19:08	Summa Cleaning Certification
V7W387-SCC	7W10605.D	11/19/24	04:48	19:49	Summa Cleaning Certification

Instrument Performance Check (BFB)

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample:	V7W387-BFB	**Injection Date:**	11/18/24
Lab File ID:	7W10575.D	**Injection Time:**	08:59
Instrument ID:	GCMS7W		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V7W387-SCC	7W10606.D	11/19/24	05:29	20:30	Summa Cleaning Certification
V7W387-SCC	7W10607.D	11/19/24	06:10	21:11	Summa Cleaning Certification
ZZZZZZ	7W10608.D	11/19/24	06:51	21:52	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample: V7W392-BFB
Lab File ID: 7W10742.D
Instrument ID: GCMS7W
Injection Date: 11/25/24
Injection Time: 08:36

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	15330	21.5		Pass
75	30.0 - 66.0% of mass 95	35867	50.4		Pass
95	Base peak, 100% relative abundance	71168	100.0		Pass
96	5.0 - 9.0% of mass 95	4636	6.51		Pass
173	Less than 2.0% of mass 174	555	0.78	(1.03) [a]	Pass
174	50.0 - 120.0% of mass 95	53835	75.6		Pass
175	4.0 - 9.01% of mass 174	3970	5.58	(7.37) [a]	Pass
176	93.0 - 101.0% of mass 174	52037	73.1	(96.7) [a]	Pass
177	5.0 - 9.0% of mass 176	3340	4.69	(6.42) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V7W392-CC305	7W10743.D	11/25/24	09:11	00:35	Continuing cal 10
V7W392-BS	7W10744.D	11/25/24	09:50	01:14	Blank Spike
V7W392-BSD	7W10745.D	11/25/24	10:26	01:50	Blank Spike Duplicate
V7W392-MB	7W10747.D	11/25/24	11:46	03:10	Method Blank
ZZZZZZ	7W10748.D	11/25/24	12:29	03:53	(unrelated sample)
ZZZZZZ	7W10749.D	11/25/24	13:04	04:28	(unrelated sample)
ZZZZZZ	7W10750.D	11/25/24	13:39	05:03	(unrelated sample)
ZZZZZZ	7W10751.D	11/25/24	14:14	05:38	(unrelated sample)
ZZZZZZ	7W10752.D	11/25/24	14:56	06:20	(unrelated sample)
JE994-2	7W10754.D	11/25/24	16:07	07:31	(used for QC only; not part of job JE2489)
ZZZZZZ	7W10757.D	11/25/24	17:55	09:19	(unrelated sample)
ZZZZZZ	7W10758.D	11/25/24	18:30	09:54	(unrelated sample)
ZZZZZZ	7W10759.D	11/25/24	19:05	10:29	(unrelated sample)
ZZZZZZ	7W10760.D	11/25/24	19:40	11:04	(unrelated sample)
ZZZZZZ	7W10761.D	11/25/24	20:16	11:40	(unrelated sample)
ZZZZZZ	7W10763.D	11/25/24	21:26	12:50	(unrelated sample)
ZZZZZZ	7W10764.D	11/25/24	22:01	13:25	(unrelated sample)
JE1061-10	7W10765.D	11/25/24	22:38	14:02	(used for QC only; not part of job JE2489)
ZZZZZZ	7W10766.D	11/25/24	23:19	14:43	(unrelated sample)
ZZZZZZ	7W10767.D	11/26/24	00:00	15:24	(unrelated sample)
ZZZZZZ	7W10768.D	11/26/24	00:42	16:06	(unrelated sample)
ZZZZZZ	7W10771.D	11/26/24	02:42	18:06	(unrelated sample)
V7W392-SCC	7W10772.D	11/26/24	03:23	18:47	Summa Cleaning Certification
V7W392-SCC	7W10773.D	11/26/24	04:04	19:28	Summa Cleaning Certification

Instrument Performance Check (BFB)

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample:	V7W392-BFB	**Injection Date:**	11/25/24
Lab File ID:	7W10742.D	**Injection Time:**	08:36
Instrument ID:	GCMS7W		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V7W392-SCC	7W10774.D	11/26/24	04:44	20:08	Summa Cleaning Certification
V7W392-SCC	7W10775.D	11/26/24	05:25	20:49	Summa Cleaning Certification
V7W392-SCC	7W10777.D	11/26/24	06:47	22:11	Summa Cleaning Certification
JE1061-10DUP	7W10779.D	11/26/24	08:24	23:48	Duplicate

Internal Standard Area Summary

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Check Std:	V5W2136-CC2125	**Injection Date:**	12/20/24
Lab File ID:	5W55778.D	**Injection Time:**	13:06
Instrument ID:	GCMS5W	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	318888	7.67	1469982	9.83	896125	15.34
Upper Limit [a]	446443	8.00	2057975	10.16	1254575	15.67
Lower Limit [b]	191333	7.34	881989	9.50	537675	15.01

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
V5W2136-BS	349857	7.66	1633756	9.83	962940	15.34
V5W2136-BSD	369460	7.66	1679765	9.83	969387	15.34
V5W2136-MB	420264	7.66	1982756	9.82	1052285	15.34
JE2665-1	347680	7.66	1679178	9.82	908149	15.34
JE2665-1DUP	276928	7.66	1339103	9.83	728500	15.34
JE2489-2	255725	7.66	1259383	9.82	729011	15.34
JE2489-3	223902	7.66	1101737	9.83	600369	15.34
JE2489-4	246511	7.66	1204091	9.83	692043	15.34
ZZZZZZ	218794	7.66	1076421	9.83	562673	15.34
ZZZZZZ	241587	7.68	1193445	9.83	722409	15.34
ZZZZZZ	263063	7.66	1287566	9.83	720552	15.34
ZZZZZZ	230773	7.66	1129671	9.83	553501	15.34
ZZZZZZ	245552	7.67	1188779	9.83	677814	15.34
ZZZZZZ	216763	7.66	1073025	9.83	603430	15.34
ZZZZZZ	214306	7.67	1052666	9.83	558080	15.34
ZZZZZZ	219702	7.66	1077760	9.83	597639	15.34
ZZZZZZ	263492	7.67	1245689	9.83	635891	15.34
ZZZZZZ	228599	7.66	1121534	9.83	646592	15.34
ZZZZZZ	226170	7.66	1109122	9.83	641061	15.34

IS 1 = Bromochloromethane
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5

(a) Upper Limit = + 40% of check standard area; Retention time + 0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.

Internal Standard Area Summary

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Check Std:	V5W2138-CC2125	**Injection Date:**	12/23/24
Lab File ID:	5W55819.D	**Injection Time:**	09:11
Instrument ID:	GCMS5W	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	263070	7.67	1217301	9.83	738303	15.34
Upper Limit [a]	368298	8.00	1704221	10.16	1033624	15.67
Lower Limit [b]	157842	7.34	730381	9.50	442982	15.01

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
V5W2138-BS	261510	7.66	1220164	9.83	739045	15.34
V5W2138-BSD	260595	7.66	1218483	9.83	736456	15.34
V5W2138-MB	311710	7.66	1493158	9.82	781178	15.33
V5W2138-SCC	321306	7.66	1506173	9.82	782137	15.33
JE2315-1	245399	7.66	1205702	9.83	682878	15.33
JE2315-1DUP	217553	7.66	1077292	9.83	621263	15.33
ZZZZZZ	208762	7.66	1039636	9.82	572065	15.34
ZZZZZZ	201543	7.67	1000655	9.83	551430	15.34
JE2489-1	211041	7.66	1036893	9.83	471557	15.34
ZZZZZZ	215745	7.66	1039188	9.83	542678	15.34
ZZZZZZ	244806	7.66	1174993	9.83	645042	15.34
ZZZZZZ	195304	7.67	959920	9.83	520023	15.34
ZZZZZZ	186533	7.66	914542	9.83	530709	15.33
ZZZZZZ	190196	7.67	938311	9.83	539199	15.34
ZZZZZZ	194798	7.67	962979	9.83	555481	15.34
ZZZZZZ	182844	7.66	924573	9.83	542563	15.34
ZZZZZZ	195003	7.67	985329	9.83	573135	15.34
ZZZZZZ	203928	7.66	1010745	9.83	575284	15.34
ZZZZZZ	207550	7.66	1034387	9.83	595518	15.34
ZZZZZZ	0*	0.00*	0*	0.00*	0*	0.00*

IS 1 = Bromochloromethane
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5

(a) Upper Limit = + 40% of check standard area; Retention time + 0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.

Internal Standard Area Summary

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Check Std:	V7W369-CC305	**Injection Date:**	10/25/24
Lab File ID:	7W09948.D	**Injection Time:**	11:00
Instrument ID:	GCMS7W	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	63493	3.27	331082	4.55	297593	10.13
Upper Limit [a]	88890	3.60	463515	4.88	416630	10.46
Lower Limit [b]	38096	2.94	198649	4.22	178556	9.80

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
V7W369-BS	65800	3.28	343299	4.55	311820	10.12
V7W369-BSD	64745	3.27	327249	4.55	301996	10.12
V7W369-MB	67262	3.27	342565	4.55	304568	10.12
ZZZZZZ	65513	3.28	345543	4.56	315021	10.13
ZZZZZZ	66668	3.28	339519	4.56	302022	10.12
ZZZZZZ	67981	3.29	350072	4.57	319072	10.13
ZZZZZZ	62243	3.28	327795	4.56	297988	10.12
JD98774-1	62894	3.28	320515	4.56	293042	10.12
JD98774-1DUP	63864	3.28	334601	4.56	306923	10.13
ZZZZZZ	65682	3.28	334428	4.56	307547	10.12
ZZZZZZ	58833	3.28	309136	4.55	287045	10.12
ZZZZZZ	62403	3.28	320116	4.56	293826	10.12
ZZZZZZ	61339	3.28	320536	4.55	293392	10.12
ZZZZZZ	65903	3.28	332150	4.56	308085	10.13
ZZZZZZ	63569	3.28	335291	4.56	309050	10.12
ZZZZZZ	65011	3.28	335335	4.55	307363	10.12
ZZZZZZ	64425	3.28	328362	4.56	302936	10.12
ZZZZZZ	65993	3.28	339526	4.56	309606	10.13
ZZZZZZ	64418	3.28	323215	4.56	299422	10.13
V7W369-SCC	67116	3.28	334971	4.56	303033	10.12
V7W369-SCC	64486	3.27	325680	4.55	292755	10.12
V7W369-SCC	63510	3.27	330323	4.55	301141	10.12
V7W369-SCC	66936	3.27	336210	4.55	306191	10.12

IS 1 = Bromochloromethane
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5

(a) Upper Limit = + 40% of check standard area; Retention time + 0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.

Internal Standard Area Summary

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Check Std:	V7W387-CC305	**Injection Date:**	11/18/24
Lab File ID:	7W10576.D	**Injection Time:**	09:35
Instrument ID:	GCMS7W	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	60785	3.28	318407	4.55	291110	10.12
Upper Limit [a]	85099	3.61	445770	4.88	407554	10.45
Lower Limit [b]	36471	2.95	191044	4.22	174666	9.79

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
V7W387-BS	59927	3.27	307732	4.55	281115	10.12
V7W387-BSD	59448	3.28	304227	4.55	275746	10.12
V7W387-MB	64026	3.28	327182	4.55	306459	10.12
JD99820-1	56665	3.28	288174	4.56	265558	10.12
JD99820-1DUP	55698	3.28	286506	4.56	262400	10.12
ZZZZZZ	57230	3.28	293974	4.56	269278	10.12
ZZZZZZ	57892	3.28	293943	4.56	268382	10.13
ZZZZZZ	55173	3.28	281652	4.56	256840	10.12
ZZZZZZ	56414	3.28	290642	4.56	266690	10.12
ZZZZZZ	55175	3.28	282753	4.56	261195	10.12
ZZZZZZ	56321	3.28	288236	4.56	267074	10.12
ZZZZZZ	55592	3.28	280028	4.56	258953	10.12
ZZZZZZ	59195	3.28	306746	4.56	279352	10.13
ZZZZZZ	54414	3.28	279296	4.56	256561	10.12
ZZZZZZ	53395	3.28	262918	4.56	253725	10.12
ZZZZZZ	58851	3.28	302770	4.56	278405	10.12
ZZZZZZ	60842	3.28	310928	4.56	285512	10.12
ZZZZZZ	60530	3.28	314864	4.56	285718	10.13
ZZZZZZ	57253	3.28	296182	4.56	271095	10.12
ZZZZZZ	55936	3.28	289486	4.55	263402	10.12
V7W387-SCC	58656	3.28	295685	4.56	265930	10.12
V7W387-SCC	60454	3.27	305996	4.55	275902	10.12
V7W387-SCC	61555	3.28	303415	4.55	282366	10.12
V7W387-SCC	63209	3.28	314760	4.55	280011	10.12
V7W387-SCC	65323	3.28	322265	4.55	287974	10.12
ZZZZZZ	56492	3.28	288918	4.56	272258	10.12

IS 1 = Bromochloromethane
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5

(a) Upper Limit = + 40% of check standard area; Retention time + 0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.

Internal Standard Area Summary

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Check Std:	V7W392-CC305	**Injection Date:**	11/25/24
Lab File ID:	7W10743.D	**Injection Time:**	09:11
Instrument ID:	GCMS7W	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	72713	3.27	383789	4.55	314273	10.12
Upper Limit [a]	101798	3.60	537305	4.88	439982	10.45
Lower Limit [b]	43628	2.94	230273	4.22	188564	9.79

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
V7W392-BS	72768	3.27	382948	4.55	316986	10.12
V7W392-BSD	73571	3.27	390728	4.55	328697	10.12
V7W392-MB	77496	3.27	407451	4.55	332375	10.12
ZZZZZZ	70134	3.29	377860	4.57	313611	10.13
ZZZZZZ	66825	3.29	363077	4.57	303014	10.13
ZZZZZZ	61291	3.29	333551	4.57	281900	10.12
ZZZZZZ	59927	3.29	321484	4.56	275765	10.13
ZZZZZZ	60563	3.28	323816	4.56	275730	10.13
JE994-2	61272	3.32	354889	4.59	300529	10.13
ZZZZZZ	56502	3.27	334521	4.60	295346	10.14
ZZZZZZ	59682	3.29	335723	4.57	286843	10.13
ZZZZZZ	52994	3.28	289969	4.56	248230	10.13
ZZZZZZ	54075	3.28	285122	4.56	238672	10.12
ZZZZZZ	49318	3.28	271433	4.56	230382	10.12
ZZZZZZ	50588	3.28	269595	4.56	222162	10.12
ZZZZZZ	48508	3.28	263253	4.56	230371	10.12
JE1061-10	47637	3.28	253998	4.55	215224	10.12
ZZZZZZ	52252	3.28	279608	4.55	230161	10.12
ZZZZZZ	50070	3.28	267272	4.55	202380	10.12
ZZZZZZ	52376	3.29	269271	4.57	232208	10.13
ZZZZZZ	47233	3.30	316292	4.58	248242	10.14
V7W392-SCC	60827	3.27	320474	4.55	270203	10.12
V7W392-SCC	62704	3.28	329972	4.56	276956	10.12
V7W392-SCC	63803	3.28	333810	4.55	275663	10.12
V7W392-SCC	61251	3.28	323759	4.56	273041	10.12
V7W392-SCC	55670	3.28	294531	4.55	228023	10.12
JE1061-10DUP	45516	3.28	236865	4.56	223436	10.12

IS 1 = Bromochloromethane
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5

(a) Upper Limit = + 40% of check standard area; Retention time + 0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	Reporting this level
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
1,3-Butadiene	4.04	7.66	0.527	ok	0.526	0.466-0.586
Benzene	9.40	9.83	0.956	ok	0.956	0.896-1.016
Bromobenzene	17.92	15.35	1.167	ok	1.167	1.107-1.227
Bromodichloromethane	10.61	9.83	1.079	ok	1.079	1.019-1.139
Bromoethene	4.63	7.66	0.604	ok	0.602	0.542-0.662
n-Butylbenzene	20.86	15.35	1.359	ok	1.359	1.299-1.419
sec-Butylbenzene	20.03	15.35	1.305	ok	1.304	1.244-1.364
Carbon disulfide	5.85	7.66	0.764	ok	0.763	0.703-0.823
Chlorobenzene	15.41	15.35	1.004	ok	1.004	0.944-1.064
Chlorodifluoromethane	3.58	7.66	0.467	ok	0.467	0.407-0.527
Chloroethane	4.37	7.66	0.570	ok	0.568	0.508-0.628
Chlorotrifluoroethene	3.61	7.66	0.471	ok	0.471	0.411-0.531
Chloroform	7.81	7.66	1.020	ok	1.018	0.958-1.078
Chloromethane	3.78	7.66	0.493	ok	0.492	0.432-0.552
3-Chloropropene	5.69	7.66	0.743	ok	0.743	0.683-0.803
2-Chlorotoluene	18.56	15.35	1.209	ok	1.209	1.149-1.269
Carbon tetrachloride	9.57	7.66	1.249	ok	1.248	1.188-1.308
Cyclohexane	9.69	9.83	0.986	ok	0.986	0.926-1.046
1,1-Dichloroethane	6.65	7.66	0.868	ok	0.867	0.807-0.927
1,1-Dichloroethylene	5.49	7.66	0.717	ok	0.715	0.655-0.775
1,2-Dibromoethane (EDB)	13.85	15.35	0.902	ok	0.901	0.841-0.961
1,2-Dichloroethane	8.61	7.66	1.124	ok	1.123	1.063-1.183
1,2-Dichloropropane	10.37	9.83	1.055	ok	1.054	0.994-1.114
1,3-Dichloropropane	13.03	9.83	1.326	ok	1.323	1.263-1.383
Dichlorodifluoromethane	3.66	7.66	0.478	ok	0.477	0.417-0.537
Dichlorofluoromethane	4.42	7.66	0.577	ok	0.576	0.516-0.636
Dibromochloromethane	13.52	15.35	0.881	ok	0.880	0.820-0.940
Dibromomethane	10.35	9.83	1.053	ok	1.052	0.992-1.112
trans-1,2-Dichloroethylene	6.45	7.66	0.842	ok	0.842	0.782-0.902
cis-1,2-Dichloroethylene	7.49	7.66	0.978	ok	0.978	0.918-1.038
cis-1,3-Dichloropropene	11.76	9.83	1.196	ok	1.194	1.134-1.254
m-Dichlorobenzene	19.83	15.35	1.292	ok	1.291	1.231-1.351
o-Dichlorobenzene	20.42	15.35	1.330	ok	1.330	1.270-1.390
p-Dichlorobenzene	19.94	15.35	1.299	ok	1.298	1.238-1.358
trans-1,3-Dichloropropene	12.44	9.83	1.266	ok	1.263	1.203-1.323
2,3-Dimethylpentane	10.00	9.83	1.017	ok	1.017	0.957-1.077
2,4-Dimethylpentane	8.67	7.66	1.132	ok	1.130	1.070-1.190
Ethylbenzene	15.97	15.35	1.040	ok	1.040	0.980-1.100
4-Ethyltoluene	18.89	15.35	1.231	ok	1.230	1.170-1.290

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	Reporting this level
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Freon 113	5.82	7.66	0.760	ok	0.759	0.699-0.819
Freon 114	3.84	7.66	0.501	ok	0.501	0.441-0.561
Freon 115	3.47	7.66	0.453	ok	0.452	0.392-0.512
Freon 123	4.74	7.66	0.619	ok	0.617	0.557-0.677
Freon 123A	4.78	7.66	0.624	ok	0.623	0.563-0.683
Freon 142B	3.76	7.66	0.491	ok	0.489	0.429-0.549
Freon 152A	3.55	7.66	0.463	ok	0.463	0.403-0.523
Heptane	11.04	9.83	1.123	ok	1.122	1.062-1.182
Hexachlorobutadiene	23.37	15.35	1.522	ok	1.522	1.462-1.582
Hexachloroethane	21.32	15.35	1.389	ok	1.389	1.329-1.449
Hexane	7.71	7.66	1.007	ok	1.005	0.945-1.065
Iodomethane	5.42	7.66	0.708	ok	0.707	0.647-0.767
Isopropylbenzene	17.82	15.35	1.161	ok	1.161	1.101-1.221
p-Isopropyltoluene	20.27	15.35	1.321	ok	1.320	1.260-1.380
Methylene chloride	5.60	7.66	0.731	ok	0.730	0.670-0.790
Methyl Tert Butyl Ether	6.81	7.66	0.889	ok	0.879	0.819-0.939
Nonane	17.31	15.35	1.128	ok	1.128	1.068-1.188
Octane	14.33	15.35	0.934	ok	0.934	0.874-0.994
Pentane	5.23	7.66	0.683	ok	0.682	0.622-0.742
n-Propylbenzene	18.64	15.35	1.214	ok	1.214	1.154-1.274
Propylene	3.60	7.66	0.470	ok	0.469	0.409-0.529
Styrene	16.78	15.35	1.093	ok	1.092	1.032-1.152
1,1,1-Trichloroethane	8.87	7.66	1.158	ok	1.157	1.097-1.217
1,1,1,2-Tetrachloroethane	15.39	15.35	1.003	ok	1.003	0.943-1.063
1,1,2,2-Tetrachloroethane	16.93	15.35	1.103	ok	1.102	1.042-1.162
1,1,2-Trichloroethane	12.63	9.83	1.285	ok	1.283	1.223-1.343
1,2,3-Trichloropropane	17.11	15.35	1.115	ok	1.114	1.054-1.174
1,2,3-Trimethylbenzene	20.24	15.35	1.319	ok	1.318	1.258-1.378
1,2,4-Trimethylbenzene	19.64	15.35	1.279	ok	1.279	1.219-1.339
1,3,5-Trimethylbenzene	19.02	15.35	1.239	ok	1.239	1.179-1.299
2,2,4-Trimethylpentane	10.69	9.83	1.087	ok	1.087	1.027-1.147
Tertiary Butyl Alcohol	5.66	7.66	0.739	ok	0.729	0.669-0.789
Tetrachloroethylene	14.47	15.35	0.943	ok	0.943	0.883-1.003
Toluene	12.98	9.83	1.320	ok	1.319	1.259-1.379
Trichloroethylene	10.65	9.83	1.083	ok	1.083	1.023-1.143
Trichlorofluoromethane	4.95	7.66	0.646	ok	0.645	0.585-0.705
Vinyl chloride	3.93	7.66	0.513	ok	0.512	0.452-0.572
m,p-Xylene	16.23	15.35	1.057	ok	1.058	0.998-1.118
o-Xylene	16.91	15.35	1.102	ok	1.101	1.041-1.161

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	Reporting this level
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)		Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
TVHC As Equiv Pentane	5.23		15.35	0.341	ok	0.341	0.281-0.401

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.66	ok	7.67	7.34-8.00	339655	ok	339251	203551-474951
1,4-Difluorobenzene	9.83	ok	9.83	9.50-10.16	1562017	ok	1491175	894705-2087645
Chlorobenzene-D5	15.35	ok	15.35	15.02-15.68	815644	ok	882807	529684-1235930

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	Reporting this level
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acrolein	4.74	7.67	0.618	ok	0.615	0.555-0.675
Acetonitrile	4.65	7.67	0.606	ok	0.603	0.543-0.663
1,3-Butadiene	4.04	7.67	0.527	ok	0.526	0.466-0.586
Benzene	9.40	9.83	0.956	ok	0.956	0.896-1.016
Bromobenzene	17.92	15.35	1.167	ok	1.167	1.107-1.227
Bromodichloromethane	10.61	9.83	1.079	ok	1.079	1.019-1.139
Bromomethane	4.23	7.67	0.551	ok	0.551	0.491-0.611
Bromoethene	4.62	7.67	0.602	ok	0.602	0.542-0.662
n-Butane	4.07	7.67	0.531	ok	0.530	0.470-0.590
n-Butylbenzene	20.85	15.35	1.358	ok	1.359	1.299-1.419
sec-Butylbenzene	20.02	15.35	1.304	ok	1.304	1.244-1.364
tert-Butylbenzene	19.62	15.35	1.278	ok	1.278	1.218-1.338
Carbon disulfide	5.86	7.67	0.764	ok	0.763	0.703-0.823
Chlorobenzene	15.41	15.35	1.004	ok	1.004	0.944-1.064
Chlorodifluoromethane	3.59	7.67	0.468	ok	0.467	0.407-0.527
Chloroethane	4.37	7.67	0.570	ok	0.568	0.508-0.628
Chlorotrifluoroethene	3.61	7.67	0.471	ok	0.471	0.411-0.531
Chloroform	7.81	7.67	1.018	ok	1.018	0.958-1.078
Chloromethane	3.78	7.67	0.493	ok	0.492	0.432-0.552
3-Chloropropene	5.71	7.67	0.744	ok	0.743	0.683-0.803
2-Chlorotoluene	18.55	15.35	1.208	ok	1.209	1.149-1.269
Carbon tetrachloride	9.57	7.67	1.248	ok	1.248	1.188-1.308
Cyclohexane	9.71	9.83	0.988	ok	0.986	0.926-1.046
1,1-Dichloroethane	6.65	7.67	0.867	ok	0.867	0.807-0.927
1,1-Dichloroethylene	5.48	7.67	0.714	ok	0.715	0.655-0.775
1,2-Dibromoethane (EDB)	13.84	15.35	0.902	ok	0.901	0.841-0.961
1,2-Dichloroethane	8.61	7.67	1.123	ok	1.123	1.063-1.183
1,2-Dichloropropane	10.37	9.83	1.055	ok	1.054	0.994-1.114
1,3-Dichloropropane	13.02	9.83	1.325	ok	1.323	1.263-1.383
1,4-Dioxane	10.80	9.83	1.099	ok	1.089	1.029-1.149
Dichlorodifluoromethane	3.66	7.67	0.477	ok	0.477	0.417-0.537
Dichlorofluoromethane	4.43	7.67	0.578	ok	0.576	0.516-0.636
Dibromochloromethane	13.52	15.35	0.881	ok	0.880	0.820-0.940
Dibromomethane	10.34	9.83	1.052	ok	1.052	0.992-1.112
trans-1,2-Dichloroethylene	6.46	7.67	0.842	ok	0.842	0.782-0.902
cis-1,2-Dichloroethylene	7.50	7.67	0.978	ok	0.978	0.918-1.038
cis-1,3-Dichloropropene	11.74	9.83	1.194	ok	1.194	1.134-1.254
m-Dichlorobenzene	19.82	15.35	1.291	ok	1.291	1.231-1.351
o-Dichlorobenzene	20.41	15.35	1.330	ok	1.330	1.270-1.390

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	Reporting this level
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
p-Dichlorobenzene	19.93	15.35	1.298	ok	1.298	1.238-1.358
trans-1,3-Dichloropropene	12.43	9.83	1.264	ok	1.263	1.203-1.323
Di-Isopropyl ether	7.78	7.67	1.014	ok	1.008	0.948-1.068
2,3-Dimethylpentane	10.00	9.83	1.017	ok	1.017	0.957-1.077
2,4-Dimethylpentane	8.67	7.67	1.130	ok	1.130	1.070-1.190
Ethylbenzene	15.96	15.35	1.040	ok	1.040	0.980-1.100
Ethyl Acetate	7.83	7.67	1.021	ok	1.013	0.953-1.073
Ethyl Acrylate	10.50	9.83	1.068	ok	1.062	1.002-1.122
4-Ethyltoluene	18.88	15.35	1.230	ok	1.230	1.170-1.290
Freon 113	5.83	7.67	0.760	ok	0.759	0.699-0.819
Freon 114	3.85	7.67	0.502	ok	0.501	0.441-0.561
Freon 115	3.47	7.67	0.452	ok	0.452	0.392-0.512
Freon 123	4.74	7.67	0.618	ok	0.617	0.557-0.677
Freon 123A	4.79	7.67	0.625	ok	0.623	0.563-0.683
Freon 142B	3.76	7.67	0.490	ok	0.489	0.429-0.549
Freon 152A	3.55	7.67	0.463	ok	0.463	0.403-0.523
Heptane	11.03	9.83	1.122	ok	1.122	1.062-1.182
Hexachlorobutadiene	23.36	15.35	1.522	ok	1.522	1.462-1.582
Hexachloroethane	21.32	15.35	1.389	ok	1.389	1.329-1.449
Hexane	7.71	7.67	1.005	ok	1.005	0.945-1.065
2-Hexanone	13.45	15.35	0.876	ok	0.872	0.812-0.932
Iodomethane	5.42	7.67	0.707	ok	0.707	0.647-0.767
Isopropylbenzene	17.82	15.35	1.161	ok	1.161	1.101-1.221
Isopropyl Alcohol	5.09	7.67	0.664	ok	0.659	0.599-0.719
p-Isopropyltoluene	20.27	15.35	1.321	ok	1.320	1.260-1.380
Methylene chloride	5.60	7.67	0.730	ok	0.730	0.670-0.790
Methyl ethyl ketone	7.16	7.67	0.934	ok	0.924	0.864-0.984
Methyl Isobutyl Ketone	11.89	9.83	1.210	ok	1.202	1.142-1.262
Methyl Tert Butyl Ether	6.79	7.67	0.885	ok	0.879	0.819-0.939
Methylmethacrylate	10.99	9.83	1.118	ok	1.114	1.054-1.174
Nonane	17.31	15.35	1.128	ok	1.128	1.068-1.188
Octane	14.33	15.35	0.934	ok	0.934	0.874-0.994
Pentane	5.24	7.67	0.683	ok	0.682	0.622-0.742
n-Propylbenzene	18.64	15.35	1.214	ok	1.214	1.154-1.274
Propylene	3.61	7.67	0.471	ok	0.469	0.409-0.529
Styrene	16.77	15.35	1.093	ok	1.092	1.032-1.152
1,1,1-Trichloroethane	8.87	7.67	1.156	ok	1.157	1.097-1.217
1,1,1,2-Tetrachloroethane	15.39	15.35	1.003	ok	1.003	0.943-1.063
1,1,2,2-Tetrachloroethane	16.91	15.35	1.102	ok	1.102	1.042-1.162

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	Reporting this level
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
1,1,2-Trichloroethane	12.62	9.83	1.284	ok	1.283	1.223-1.343
1,2,3-Trichloropropane	17.11	15.35	1.115	ok	1.114	1.054-1.174
1,2,3-Trimethylbenzene	20.24	15.35	1.319	ok	1.318	1.258-1.378
1,2,4-Trimethylbenzene	19.64	15.35	1.279	ok	1.279	1.219-1.339
1,3,5-Trimethylbenzene	19.02	15.35	1.239	ok	1.239	1.179-1.299
2,2,4-Trimethylpentane	10.68	9.83	1.086	ok	1.087	1.027-1.147
Tertiary Butyl Alcohol	5.65	7.67	0.737	ok	0.729	0.669-0.789
Tetrachloroethylene	14.47	15.35	0.943	ok	0.943	0.883-1.003
Tetrahydrofuran	8.37	7.67	1.091	ok	1.079	1.019-1.139
Toluene	12.97	9.83	1.319	ok	1.319	1.259-1.379
Trichloroethylene	10.65	9.83	1.083	ok	1.083	1.023-1.143
Trichlorofluoromethane	4.95	7.67	0.645	ok	0.645	0.585-0.705
Vinyl chloride	3.93	7.67	0.512	ok	0.512	0.452-0.572
m,p-Xylene	16.23	15.35	1.057	ok	1.058	0.998-1.118
o-Xylene	16.91	15.35	1.102	ok	1.101	1.041-1.161
TVHC As Equiv Pentane	5.23	15.35	0.341	ok	0.341	0.281-0.401

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.67	ok	7.67	7.34-8.00	333430	ok	339251	203551-474951
1,4-Difluorobenzene	9.83	ok	9.83	9.50-10.16	1533309	ok	1491175	894705-2087645
Chlorobenzene-D5	15.35	ok	15.35	15.02-15.68	804190	ok	882807	529684-1235930

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	Reporting this level
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	4.86	7.66	0.634	ok	0.630	0.570-0.690
Acrolein	4.73	7.66	0.617	ok	0.615	0.555-0.675
Acrylonitrile	5.22	7.66	0.681	ok	0.679	0.619-0.739
Acetonitrile	4.64	7.66	0.606	ok	0.603	0.543-0.663
1,3-Butadiene	4.03	7.66	0.526	ok	0.526	0.466-0.586
Benzene	9.39	9.83	0.955	ok	0.956	0.896-1.016
Bromobenzene	17.91	15.35	1.167	ok	1.167	1.107-1.227
Bromodichloromethane	10.61	9.83	1.079	ok	1.079	1.019-1.139
Bromoform	16.29	15.35	1.061	ok	1.062	1.002-1.122
Bromomethane	4.23	7.66	0.552	ok	0.551	0.491-0.611
Bromoethene	4.62	7.66	0.603	ok	0.602	0.542-0.662
n-Butane	4.07	7.66	0.531	ok	0.530	0.470-0.590
Benzyl Chloride	19.82	15.35	1.291	ok	1.291	1.231-1.351
n-Butylbenzene	20.86	15.35	1.359	ok	1.359	1.299-1.419
sec-Butylbenzene	20.01	15.35	1.304	ok	1.304	1.244-1.364
tert-Butylbenzene	19.61	15.35	1.278	ok	1.278	1.218-1.338
Carbon disulfide	5.85	7.66	0.764	ok	0.763	0.703-0.823
Chlorobenzene	15.41	15.35	1.004	ok	1.004	0.944-1.064
Chlorodifluoromethane	3.58	7.66	0.467	ok	0.467	0.407-0.527
Chloroethane	4.36	7.66	0.569	ok	0.568	0.508-0.628
Chlorotrifluoroethene	3.61	7.66	0.471	ok	0.471	0.411-0.531
Chloroform	7.80	7.66	1.018	ok	1.018	0.958-1.078
Chloromethane	3.77	7.66	0.492	ok	0.492	0.432-0.552
3-Chloropropene	5.70	7.66	0.744	ok	0.743	0.683-0.803
2-Chlorotoluene	18.55	15.35	1.208	ok	1.209	1.149-1.269
Carbon tetrachloride	9.57	7.66	1.249	ok	1.248	1.188-1.308
Cyclohexane	9.70	9.83	0.987	ok	0.986	0.926-1.046
1,1-Dichloroethane	6.65	7.66	0.868	ok	0.867	0.807-0.927
1,1-Dichloroethylene	5.48	7.66	0.715	ok	0.715	0.655-0.775
1,2-Dibromoethane (EDB)	13.84	15.35	0.902	ok	0.901	0.841-0.961
1,2-Dichloroethane	8.61	7.66	1.124	ok	1.123	1.063-1.183
1,2-Dichloropropane	10.37	9.83	1.055	ok	1.054	0.994-1.114
1,3-Dichloropropane	13.02	9.83	1.325	ok	1.323	1.263-1.383
1,4-Dioxane	10.78	9.83	1.097	ok	1.089	1.029-1.149
Dichlorodifluoromethane	3.66	7.66	0.478	ok	0.477	0.417-0.537
Dichlorofluoromethane	4.42	7.66	0.577	ok	0.576	0.516-0.636
Dibromochloromethane	13.51	15.35	0.880	ok	0.880	0.820-0.940
Dibromomethane	10.34	9.83	1.052	ok	1.052	0.992-1.112
trans-1,2-Dichloroethylene	6.46	7.66	0.843	ok	0.842	0.782-0.902

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	Reporting this level
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	7.50	7.66	0.979	ok	0.978	0.918-1.038
cis-1,3-Dichloropropene	11.74	9.83	1.194	ok	1.194	1.134-1.254
m-Dichlorobenzene	19.82	15.35	1.291	ok	1.291	1.231-1.351
o-Dichlorobenzene	20.41	15.35	1.330	ok	1.330	1.270-1.390
p-Dichlorobenzene	19.93	15.35	1.298	ok	1.298	1.238-1.358
trans-1,3-Dichloropropene	12.43	9.83	1.264	ok	1.263	1.203-1.323
Di-Isopropyl ether	7.77	7.66	1.014	ok	1.008	0.948-1.068
2,3-Dimethylpentane	10.00	9.83	1.017	ok	1.017	0.957-1.077
2,4-Dimethylpentane	8.67	7.66	1.132	ok	1.130	1.070-1.190
Ethylbenzene	15.96	15.35	1.040	ok	1.040	0.980-1.100
Ethyl Acetate	7.81	7.66	1.020	ok	1.013	0.953-1.073
Ethyl Acrylate	10.48	9.83	1.066	ok	1.062	1.002-1.122
4-Ethyltoluene	18.88	15.35	1.230	ok	1.230	1.170-1.290
Freon 113	5.82	7.66	0.760	ok	0.759	0.699-0.819
Freon 114	3.85	7.66	0.503	ok	0.501	0.441-0.561
Freon 115	3.46	7.66	0.452	ok	0.452	0.392-0.512
Freon 123	4.74	7.66	0.619	ok	0.617	0.557-0.677
Freon 123A	4.78	7.66	0.624	ok	0.623	0.563-0.683
Freon 142B	3.75	7.66	0.490	ok	0.489	0.429-0.549
Freon 152A	3.55	7.66	0.463	ok	0.463	0.403-0.523
Heptane	11.03	9.83	1.122	ok	1.122	1.062-1.182
Hexachlorobutadiene	23.36	15.35	1.522	ok	1.522	1.462-1.582
Hexachloroethane	21.32	15.35	1.389	ok	1.389	1.329-1.449
Hexane	7.71	7.66	1.007	ok	1.005	0.945-1.065
2-Hexanone	13.43	15.35	0.875	ok	0.872	0.812-0.932
Iodomethane	5.42	7.66	0.708	ok	0.707	0.647-0.767
Isopropylbenzene	17.82	15.35	1.161	ok	1.161	1.101-1.221
Isopropyl Alcohol	5.09	7.66	0.664	ok	0.659	0.599-0.719
p-Isopropyltoluene	20.27	15.35	1.321	ok	1.320	1.260-1.380
Methylene chloride	5.60	7.66	0.731	ok	0.730	0.670-0.790
Methyl ethyl ketone	7.14	7.66	0.932	ok	0.924	0.864-0.984
Methyl Isobutyl Ketone	11.87	9.83	1.208	ok	1.202	1.142-1.262
Methyl Tert Butyl Ether	6.78	7.66	0.885	ok	0.879	0.819-0.939
Methylmethacrylate	10.98	9.83	1.117	ok	1.114	1.054-1.174
Naphthalene	22.89	15.35	1.491	ok	1.491	1.431-1.551
Nonane	17.31	15.35	1.128	ok	1.128	1.068-1.188
Octane	14.33	15.35	0.934	ok	0.934	0.874-0.994
Pentane	5.23	7.66	0.683	ok	0.682	0.622-0.742
n-Propylbenzene	18.64	15.35	1.214	ok	1.214	1.154-1.274

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	Reporting this level
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Propylene	3.60	7.66	0.470	ok	0.469	0.409-0.529
Styrene	16.76	15.35	1.092	ok	1.092	1.032-1.152
1,1,1-Trichloroethane	8.87	7.66	1.158	ok	1.157	1.097-1.217
1,1,1,2-Tetrachloroethane	15.40	15.35	1.003	ok	1.003	0.943-1.063
1,1,2,2-Tetrachloroethane	16.91	15.35	1.102	ok	1.102	1.042-1.162
1,1,2-Trichloroethane	12.62	9.83	1.284	ok	1.283	1.223-1.343
1,2,4-Trichlorobenzene	23.22	15.35	1.513	ok	1.513	1.453-1.573
1,2,3-Trichloropropane	17.10	15.35	1.114	ok	1.114	1.054-1.174
1,2,3-Trimethylbenzene	20.23	15.35	1.318	ok	1.318	1.258-1.378
1,2,4-Trimethylbenzene	19.63	15.35	1.279	ok	1.279	1.219-1.339
1,3,5-Trimethylbenzene	19.02	15.35	1.239	ok	1.239	1.179-1.299
2,2,4-Trimethylpentane	10.68	9.83	1.086	ok	1.087	1.027-1.147
Tertiary Butyl Alcohol	5.64	7.66	0.736	ok	0.729	0.669-0.789
Tetrachloroethylene	14.47	15.35	0.943	ok	0.943	0.883-1.003
Tetrahydrofuran	8.34	7.66	1.089	ok	1.079	1.019-1.139
Toluene	12.97	9.83	1.319	ok	1.319	1.259-1.379
Trichloroethylene	10.65	9.83	1.083	ok	1.083	1.023-1.143
Trichlorofluoromethane	4.94	7.66	0.645	ok	0.645	0.585-0.705
Vinyl chloride	3.93	7.66	0.513	ok	0.512	0.452-0.572
Vinyl Acetate	6.84	7.66	0.893	ok	0.889	0.829-0.949
m,p-Xylene	16.24	15.35	1.058	ok	1.058	0.998-1.118
o-Xylene	16.91	15.35	1.102	ok	1.101	1.041-1.161
TVHC As Equiv Pentane	5.23	15.35	0.341	ok	0.341	0.281-0.401

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.66	ok	7.67	7.34-8.00	334972	ok	339251	203551-474951
1,4-Difluorobenzene	9.83	ok	9.83	9.50-10.16	1532765	ok	1491175	894705-2087645
Chlorobenzene-D5	15.35	ok	15.35	15.02-15.68	812540	ok	882807	529684-1235930

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	Reporting this level
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	4.85	7.66	0.633	ok	0.630	0.570-0.690
Acrolein	4.73	7.66	0.617	ok	0.615	0.555-0.675
Acrylonitrile	5.22	7.66	0.681	ok	0.679	0.619-0.739
Acetonitrile	4.63	7.66	0.604	ok	0.603	0.543-0.663
1,3-Butadiene	4.03	7.66	0.526	ok	0.526	0.466-0.586
Benzene	9.40	9.83	0.956	ok	0.956	0.896-1.016
Bromobenzene	17.91	15.35	1.167	ok	1.167	1.107-1.227
Bromodichloromethane	10.61	9.83	1.079	ok	1.079	1.019-1.139
Bromoform	16.29	15.35	1.061	ok	1.062	1.002-1.122
Bromomethane	4.23	7.66	0.552	ok	0.551	0.491-0.611
Bromoethene	4.62	7.66	0.603	ok	0.602	0.542-0.662
n-Butane	4.07	7.66	0.531	ok	0.530	0.470-0.590
Benzyl Chloride	19.81	15.35	1.291	ok	1.291	1.231-1.351
n-Butylbenzene	20.85	15.35	1.358	ok	1.359	1.299-1.419
sec-Butylbenzene	20.01	15.35	1.304	ok	1.304	1.244-1.364
tert-Butylbenzene	19.61	15.35	1.278	ok	1.278	1.218-1.338
Carbon disulfide	5.85	7.66	0.764	ok	0.763	0.703-0.823
Chlorobenzene	15.41	15.35	1.004	ok	1.004	0.944-1.064
Chlorodifluoromethane	3.58	7.66	0.467	ok	0.467	0.407-0.527
Chloroethane	4.36	7.66	0.569	ok	0.568	0.508-0.628
Chlorotrifluoroethene	3.61	7.66	0.471	ok	0.471	0.411-0.531
Chloroform	7.80	7.66	1.018	ok	1.018	0.958-1.078
Chloromethane	3.77	7.66	0.492	ok	0.492	0.432-0.552
3-Chloropropene	5.69	7.66	0.743	ok	0.743	0.683-0.803
2-Chlorotoluene	18.55	15.35	1.208	ok	1.209	1.149-1.269
Carbon tetrachloride	9.57	7.66	1.249	ok	1.248	1.188-1.308
Cyclohexane	9.70	9.83	0.987	ok	0.986	0.926-1.046
1,1-Dichloroethane	6.65	7.66	0.868	ok	0.867	0.807-0.927
1,1-Dichloroethylene	5.48	7.66	0.715	ok	0.715	0.655-0.775
1,2-Dibromoethane (EDB)	13.83	15.35	0.901	ok	0.901	0.841-0.961
1,2-Dichloroethane	8.61	7.66	1.124	ok	1.123	1.063-1.183
1,2-Dichloropropane	10.36	9.83	1.054	ok	1.054	0.994-1.114
1,3-Dichloropropane	13.02	9.83	1.325	ok	1.323	1.263-1.383
1,4-Dioxane	10.75	9.83	1.094	ok	1.089	1.029-1.149
Dichlorodifluoromethane	3.66	7.66	0.478	ok	0.477	0.417-0.537
Dichlorofluoromethane	4.42	7.66	0.577	ok	0.576	0.516-0.636
Dibromochloromethane	13.51	15.35	0.880	ok	0.880	0.820-0.940
Dibromomethane	10.34	9.83	1.052	ok	1.052	0.992-1.112
trans-1,2-Dichloroethylene	6.46	7.66	0.843	ok	0.842	0.782-0.902

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	Reporting this level
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	7.50	7.66	0.979	ok	0.978	0.918-1.038
cis-1,3-Dichloropropene	11.74	9.83	1.194	ok	1.194	1.134-1.254
m-Dichlorobenzene	19.82	15.35	1.291	ok	1.291	1.231-1.351
o-Dichlorobenzene	20.41	15.35	1.330	ok	1.330	1.270-1.390
p-Dichlorobenzene	19.92	15.35	1.298	ok	1.298	1.238-1.358
trans-1,3-Dichloropropene	12.42	9.83	1.263	ok	1.263	1.203-1.323
Di-Isopropyl ether	7.75	7.66	1.012	ok	1.008	0.948-1.068
2,3-Dimethylpentane	10.00	9.83	1.017	ok	1.017	0.957-1.077
2,4-Dimethylpentane	8.67	7.66	1.132	ok	1.130	1.070-1.190
Ethanol	4.48	7.66	0.585	ok	0.582	0.522-0.642
Ethylbenzene	15.96	15.35	1.040	ok	1.040	0.980-1.100
Ethyl Acetate	7.79	7.66	1.017	ok	1.013	0.953-1.073
Ethyl Acrylate	10.46	9.83	1.064	ok	1.062	1.002-1.122
4-Ethyltoluene	18.88	15.35	1.230	ok	1.230	1.170-1.290
Freon 113	5.82	7.66	0.760	ok	0.759	0.699-0.819
Freon 114	3.84	7.66	0.501	ok	0.501	0.441-0.561
Freon 115	3.47	7.66	0.453	ok	0.452	0.392-0.512
Freon 123	4.73	7.66	0.617	ok	0.617	0.557-0.677
Freon 123A	4.78	7.66	0.624	ok	0.623	0.563-0.683
Freon 142B	3.75	7.66	0.490	ok	0.489	0.429-0.549
Freon 152A	3.55	7.66	0.463	ok	0.463	0.403-0.523
Heptane	11.03	9.83	1.122	ok	1.122	1.062-1.182
Hexachlorobutadiene	23.36	15.35	1.522	ok	1.522	1.462-1.582
Hexachloroethane	21.32	15.35	1.389	ok	1.389	1.329-1.449
Hexane	7.71	7.66	1.007	ok	1.005	0.945-1.065
2-Hexanone	13.41	15.35	0.874	ok	0.872	0.812-0.932
Iodomethane	5.42	7.66	0.708	ok	0.707	0.647-0.767
Isopropylbenzene	17.81	15.35	1.160	ok	1.161	1.101-1.221
Isopropyl Alcohol	5.08	7.66	0.663	ok	0.659	0.599-0.719
p-Isopropyltoluene	20.27	15.35	1.321	ok	1.320	1.260-1.380
Methylene chloride	5.59	7.66	0.730	ok	0.730	0.670-0.790
Methyl ethyl ketone	7.11	7.66	0.928	ok	0.924	0.864-0.984
Methyl Isobutyl Ketone	11.85	9.83	1.205	ok	1.202	1.142-1.262
Methyl Tert Butyl Ether	6.76	7.66	0.883	ok	0.879	0.819-0.939
Methylmethacrylate	10.97	9.83	1.116	ok	1.114	1.054-1.174
Naphthalene	22.89	15.35	1.491	ok	1.491	1.431-1.551
Nonane	17.31	15.35	1.128	ok	1.128	1.068-1.188
Octane	14.33	15.35	0.934	ok	0.934	0.874-0.994
Pentane	5.23	7.66	0.683	ok	0.682	0.622-0.742

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	Reporting this level
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
n-Propylbenzene	18.64	15.35	1.214	ok	1.214	1.154-1.274
Propylene	3.60	7.66	0.470	ok	0.469	0.409-0.529
Styrene	16.75	15.35	1.091	ok	1.092	1.032-1.152
1,1,1-Trichloroethane	8.87	7.66	1.158	ok	1.157	1.097-1.217
1,1,1,2-Tetrachloroethane	15.39	15.35	1.003	ok	1.003	0.943-1.063
1,1,2,2-Tetrachloroethane	16.91	15.35	1.102	ok	1.102	1.042-1.162
1,1,2-Trichloroethane	12.62	9.83	1.284	ok	1.283	1.223-1.343
1,2,4-Trichlorobenzene	23.22	15.35	1.513	ok	1.513	1.453-1.573
1,2,3-Trichloropropane	17.10	15.35	1.114	ok	1.114	1.054-1.174
1,2,3-Trimethylbenzene	20.23	15.35	1.318	ok	1.318	1.258-1.378
1,2,4-Trimethylbenzene	19.63	15.35	1.279	ok	1.279	1.219-1.339
1,3,5-Trimethylbenzene	19.01	15.35	1.238	ok	1.239	1.179-1.299
2,2,4-Trimethylpentane	10.69	9.83	1.087	ok	1.087	1.027-1.147
Tertiary Butyl Alcohol	5.62	7.66	0.734	ok	0.729	0.669-0.789
Tetrachloroethylene	14.47	15.35	0.943	ok	0.943	0.883-1.003
Tetrahydrofuran	8.31	7.66	1.085	ok	1.079	1.019-1.139
Toluene	12.97	9.83	1.319	ok	1.319	1.259-1.379
Trichloroethylene	10.65	9.83	1.083	ok	1.083	1.023-1.143
Trichlorofluoromethane	4.94	7.66	0.645	ok	0.645	0.585-0.705
Vinyl chloride	3.93	7.66	0.513	ok	0.512	0.452-0.572
Vinyl Acetate	6.83	7.66	0.892	ok	0.889	0.829-0.949
m,p-Xylene	16.23	15.35	1.057	ok	1.058	0.998-1.118
o-Xylene	16.90	15.35	1.101	ok	1.101	1.041-1.161
TVHC As Equiv Pentane	5.23	15.35	0.341	ok	0.341	0.281-0.401

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.66	ok	7.67	7.34-8.00	330769	ok	339251	203551-474951
1,4-Difluorobenzene	9.83	ok	9.83	9.50-10.16	1512302	ok	1491175	894705-2087645
Chlorobenzene-D5	15.35	ok	15.35	15.02-15.68	803446	ok	882807	529684-1235930

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	Reporting this level
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	4.83	7.67	0.630	ok	0.630	0.570-0.690
Acrolein	4.71	7.67	0.614	ok	0.615	0.555-0.675
Acrylonitrile	5.20	7.67	0.678	ok	0.679	0.619-0.739
Acetonitrile	4.62	7.67	0.602	ok	0.603	0.543-0.663
1,3-Butadiene	4.03	7.67	0.525	ok	0.526	0.466-0.586
Benzene	9.40	9.83	0.956	ok	0.956	0.896-1.016
Bromobenzene	17.90	15.35	1.166	ok	1.167	1.107-1.227
Bromodichloromethane	10.61	9.83	1.079	ok	1.079	1.019-1.139
Bromoform	16.29	15.35	1.061	ok	1.062	1.002-1.122
Bromomethane	4.23	7.67	0.551	ok	0.551	0.491-0.611
Bromoethene	4.62	7.67	0.602	ok	0.602	0.542-0.662
n-Butane	4.07	7.67	0.531	ok	0.530	0.470-0.590
Benzyl Chloride	19.81	15.35	1.291	ok	1.291	1.231-1.351
n-Butylbenzene	20.85	15.35	1.358	ok	1.359	1.299-1.419
sec-Butylbenzene	20.01	15.35	1.304	ok	1.304	1.244-1.364
tert-Butylbenzene	19.61	15.35	1.278	ok	1.278	1.218-1.338
Carbon disulfide	5.85	7.67	0.763	ok	0.763	0.703-0.823
Chlorobenzene	15.41	15.35	1.004	ok	1.004	0.944-1.064
Chlorodifluoromethane	3.58	7.67	0.467	ok	0.467	0.407-0.527
Chloroethane	4.35	7.67	0.567	ok	0.568	0.508-0.628
Chlorotrifluoroethene	3.61	7.67	0.471	ok	0.471	0.411-0.531
Chloroform	7.81	7.67	1.018	ok	1.018	0.958-1.078
Chloromethane	3.77	7.67	0.492	ok	0.492	0.432-0.552
3-Chloropropene	5.69	7.67	0.742	ok	0.743	0.683-0.803
2-Chlorotoluene	18.55	15.35	1.208	ok	1.209	1.149-1.269
Carbon tetrachloride	9.57	7.67	1.248	ok	1.248	1.188-1.308
Cyclohexane	9.70	9.83	0.987	ok	0.986	0.926-1.046
1,1-Dichloroethane	6.65	7.67	0.867	ok	0.867	0.807-0.927
1,1-Dichloroethylene	5.48	7.67	0.714	ok	0.715	0.655-0.775
1,2-Dibromoethane (EDB)	13.82	15.35	0.900	ok	0.901	0.841-0.961
1,2-Dichloroethane	8.61	7.67	1.123	ok	1.123	1.063-1.183
1,2-Dichloropropane	10.36	9.83	1.054	ok	1.054	0.994-1.114
1,3-Dichloropropane	13.00	9.83	1.322	ok	1.323	1.263-1.383
1,4-Dioxane	10.69	9.83	1.087	ok	1.089	1.029-1.149
Dichlorodifluoromethane	3.65	7.67	0.476	ok	0.477	0.417-0.537
Dichlorofluoromethane	4.42	7.67	0.576	ok	0.576	0.516-0.636
Dibromochloromethane	13.51	15.35	0.880	ok	0.880	0.820-0.940
Dibromomethane	10.34	9.83	1.052	ok	1.052	0.992-1.112
trans-1,2-Dichloroethylene	6.45	7.67	0.841	ok	0.842	0.782-0.902

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	Reporting this level
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	7.50	7.67	0.978	ok	0.978	0.918-1.038
cis-1,3-Dichloropropene	11.73	9.83	1.193	ok	1.194	1.134-1.254
m-Dichlorobenzene	19.82	15.35	1.291	ok	1.291	1.231-1.351
o-Dichlorobenzene	20.41	15.35	1.330	ok	1.330	1.270-1.390
p-Dichlorobenzene	19.92	15.35	1.298	ok	1.298	1.238-1.358
trans-1,3-Dichloropropene	12.41	9.83	1.262	ok	1.263	1.203-1.323
Di-Isopropyl ether	7.72	7.67	1.007	ok	1.008	0.948-1.068
2,3-Dimethylpentane	10.00	9.83	1.017	ok	1.017	0.957-1.077
2,4-Dimethylpentane	8.66	7.67	1.129	ok	1.130	1.070-1.190
Ethanol	4.46	7.67	0.581	ok	0.582	0.522-0.642
Ethylbenzene	15.96	15.35	1.040	ok	1.040	0.980-1.100
Ethyl Acetate	7.76	7.67	1.012	ok	1.013	0.953-1.073
Ethyl Acrylate	10.42	9.83	1.060	ok	1.062	1.002-1.122
4-Ethyltoluene	18.88	15.35	1.230	ok	1.230	1.170-1.290
Freon 113	5.82	7.67	0.759	ok	0.759	0.699-0.819
Freon 114	3.84	7.67	0.501	ok	0.501	0.441-0.561
Freon 115	3.46	7.67	0.451	ok	0.452	0.392-0.512
Freon 123	4.73	7.67	0.617	ok	0.617	0.557-0.677
Freon 123A	4.78	7.67	0.623	ok	0.623	0.563-0.683
Freon 142B	3.75	7.67	0.489	ok	0.489	0.429-0.549
Freon 152A	3.55	7.67	0.463	ok	0.463	0.403-0.523
Heptane	11.03	9.83	1.122	ok	1.122	1.062-1.182
Hexachlorobutadiene	23.37	15.35	1.522	ok	1.522	1.462-1.582
Hexachloroethane	21.32	15.35	1.389	ok	1.389	1.329-1.449
Hexane	7.71	7.67	1.005	ok	1.005	0.945-1.065
2-Hexanone	13.37	15.35	0.871	ok	0.872	0.812-0.932
Iodomethane	5.42	7.67	0.707	ok	0.707	0.647-0.767
Isopropylbenzene	17.81	15.35	1.160	ok	1.161	1.101-1.221
Isopropyl Alcohol	5.04	7.67	0.657	ok	0.659	0.599-0.719
p-Isopropyltoluene	20.26	15.35	1.320	ok	1.320	1.260-1.380
Methylene chloride	5.59	7.67	0.729	ok	0.730	0.670-0.790
Methyl ethyl ketone	7.06	7.67	0.920	ok	0.924	0.864-0.984
Methyl Isobutyl Ketone	11.80	9.83	1.200	ok	1.202	1.142-1.262
Methyl Tert Butyl Ether	6.71	7.67	0.875	ok	0.879	0.819-0.939
Methylmethacrylate	10.94	9.83	1.113	ok	1.114	1.054-1.174
Naphthalene	22.88	15.35	1.491	ok	1.491	1.431-1.551
Nonane	17.31	15.35	1.128	ok	1.128	1.068-1.188
Octane	14.33	15.35	0.934	ok	0.934	0.874-0.994
Pentane	5.23	7.67	0.682	ok	0.682	0.622-0.742

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	Reporting this level
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
n-Propylbenzene	18.64	15.35	1.214	ok	1.214	1.154-1.274
Propylene	3.60	7.67	0.469	ok	0.469	0.409-0.529
Styrene	16.75	15.35	1.091	ok	1.092	1.032-1.152
1,1,1-Trichloroethane	8.87	7.67	1.156	ok	1.157	1.097-1.217
1,1,1,2-Tetrachloroethane	15.39	15.35	1.003	ok	1.003	0.943-1.063
1,1,2,2-Tetrachloroethane	16.91	15.35	1.102	ok	1.102	1.042-1.162
1,1,2-Trichloroethane	12.61	9.83	1.283	ok	1.283	1.223-1.343
1,2,4-Trichlorobenzene	23.22	15.35	1.513	ok	1.513	1.453-1.573
1,2,3-Trichloropropane	17.10	15.35	1.114	ok	1.114	1.054-1.174
1,2,3-Trimethylbenzene	20.23	15.35	1.318	ok	1.318	1.258-1.378
1,2,4-Trimethylbenzene	19.62	15.35	1.278	ok	1.279	1.219-1.339
1,3,5-Trimethylbenzene	19.01	15.35	1.238	ok	1.239	1.179-1.299
2,2,4-Trimethylpentane	10.69	9.83	1.087	ok	1.087	1.027-1.147
Tertiary Butyl Alcohol	5.56	7.67	0.725	ok	0.729	0.669-0.789
Tetrachloroethylene	14.47	15.35	0.943	ok	0.943	0.883-1.003
Tetrahydrofuran	8.26	7.67	1.077	ok	1.079	1.019-1.139
Toluene	12.96	9.83	1.318	ok	1.319	1.259-1.379
Trichloroethylene	10.65	9.83	1.083	ok	1.083	1.023-1.143
Trichlorofluoromethane	4.94	7.67	0.644	ok	0.645	0.585-0.705
Vinyl chloride	3.93	7.67	0.512	ok	0.512	0.452-0.572
Vinyl Acetate	6.81	7.67	0.888	ok	0.889	0.829-0.949
m,p-Xylene	16.23	15.35	1.057	ok	1.058	0.998-1.118
o-Xylene	16.90	15.35	1.101	ok	1.101	1.041-1.161
TVHC As Equiv Pentane	5.23	15.35	0.341	ok	0.341	0.281-0.401

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.67	ok	7.67	7.34-8.00	327920	ok	339251	203551-474951
1,4-Difluorobenzene	9.83	ok	9.83	9.50-10.16	1483978	ok	1491175	894705-2087645
Chlorobenzene-D5	15.35	ok	15.35	15.02-15.68	823417	ok	882807	529684-1235930

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	Reporting this level
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	4.82	7.67	0.628	ok	0.630	0.570-0.690
Acrolein	4.71	7.67	0.614	ok	0.615	0.555-0.675
Acrylonitrile	5.20	7.67	0.678	ok	0.679	0.619-0.739
Acetonitrile	4.62	7.67	0.602	ok	0.603	0.543-0.663
1,3-Butadiene	4.03	7.67	0.525	ok	0.526	0.466-0.586
Benzene	9.40	9.83	0.956	ok	0.956	0.896-1.016
Bromobenzene	17.91	15.35	1.167	ok	1.167	1.107-1.227
Bromodichloromethane	10.61	9.83	1.079	ok	1.079	1.019-1.139
Bromoform	16.29	15.35	1.061	ok	1.062	1.002-1.122
Bromomethane	4.23	7.67	0.551	ok	0.551	0.491-0.611
Bromoethene	4.62	7.67	0.602	ok	0.602	0.542-0.662
n-Butane	4.07	7.67	0.531	ok	0.530	0.470-0.590
Benzyl Chloride	19.81	15.35	1.291	ok	1.291	1.231-1.351
n-Butylbenzene	20.85	15.35	1.358	ok	1.359	1.299-1.419
sec-Butylbenzene	20.01	15.35	1.304	ok	1.304	1.244-1.364
tert-Butylbenzene	19.61	15.35	1.278	ok	1.278	1.218-1.338
Carbon disulfide	5.85	7.67	0.763	ok	0.763	0.703-0.823
Chlorobenzene	15.41	15.35	1.004	ok	1.004	0.944-1.064
Chlorodifluoromethane	3.58	7.67	0.467	ok	0.467	0.407-0.527
Chloroethane	4.35	7.67	0.567	ok	0.568	0.508-0.628
Chlorotrifluoroethene	3.61	7.67	0.471	ok	0.471	0.411-0.531
Chloroform	7.81	7.67	1.018	ok	1.018	0.958-1.078
Chloromethane	3.77	7.67	0.492	ok	0.492	0.432-0.552
3-Chloropropene	5.69	7.67	0.742	ok	0.743	0.683-0.803
2-Chlorotoluene	18.55	15.35	1.208	ok	1.209	1.149-1.269
Carbon tetrachloride	9.57	7.67	1.248	ok	1.248	1.188-1.308
Cyclohexane	9.70	9.83	0.987	ok	0.986	0.926-1.046
1,1-Dichloroethane	6.65	7.67	0.867	ok	0.867	0.807-0.927
1,1-Dichloroethylene	5.49	7.67	0.716	ok	0.715	0.655-0.775
1,2-Dibromoethane (EDB)	13.82	15.35	0.900	ok	0.901	0.841-0.961
1,2-Dichloroethane	8.61	7.67	1.123	ok	1.123	1.063-1.183
1,2-Dichloropropane	10.36	9.83	1.054	ok	1.054	0.994-1.114
1,3-Dichloropropane	13.01	9.83	1.323	ok	1.323	1.263-1.383
1,4-Dioxane	10.67	9.83	1.085	ok	1.089	1.029-1.149
Dichlorodifluoromethane	3.66	7.67	0.477	ok	0.477	0.417-0.537
Dichlorofluoromethane	4.42	7.67	0.576	ok	0.576	0.516-0.636
Dibromochloromethane	13.51	15.35	0.880	ok	0.880	0.820-0.940
Dibromomethane	10.34	9.83	1.052	ok	1.052	0.992-1.112
trans-1,2-Dichloroethylene	6.45	7.67	0.841	ok	0.842	0.782-0.902

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	Reporting this level
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	7.50	7.67	0.978	ok	0.978	0.918-1.038
cis-1,3-Dichloropropene	11.73	9.83	1.193	ok	1.194	1.134-1.254
m-Dichlorobenzene	19.82	15.35	1.291	ok	1.291	1.231-1.351
o-Dichlorobenzene	20.41	15.35	1.330	ok	1.330	1.270-1.390
p-Dichlorobenzene	19.92	15.35	1.298	ok	1.298	1.238-1.358
trans-1,3-Dichloropropene	12.41	9.83	1.262	ok	1.263	1.203-1.323
Di-Isopropyl ether	7.72	7.67	1.007	ok	1.008	0.948-1.068
2,3-Dimethylpentane	10.00	9.83	1.017	ok	1.017	0.957-1.077
2,4-Dimethylpentane	8.67	7.67	1.130	ok	1.130	1.070-1.190
Ethanol	4.46	7.67	0.581	ok	0.582	0.522-0.642
Ethylbenzene	15.96	15.35	1.040	ok	1.040	0.980-1.100
Ethyl Acetate	7.75	7.67	1.010	ok	1.013	0.953-1.073
Ethyl Acrylate	10.42	9.83	1.060	ok	1.062	1.002-1.122
4-Ethyltoluene	18.88	15.35	1.230	ok	1.230	1.170-1.290
Freon 113	5.82	7.67	0.759	ok	0.759	0.699-0.819
Freon 114	3.84	7.67	0.501	ok	0.501	0.441-0.561
Freon 115	3.47	7.67	0.452	ok	0.452	0.392-0.512
Freon 123	4.73	7.67	0.617	ok	0.617	0.557-0.677
Freon 123A	4.78	7.67	0.623	ok	0.623	0.563-0.683
Freon 142B	3.75	7.67	0.489	ok	0.489	0.429-0.549
Freon 152A	3.55	7.67	0.463	ok	0.463	0.403-0.523
Heptane	11.03	9.83	1.122	ok	1.122	1.062-1.182
Hexachlorobutadiene	23.37	15.35	1.522	ok	1.522	1.462-1.582
Hexachloroethane	21.32	15.35	1.389	ok	1.389	1.329-1.449
Hexane	7.71	7.67	1.005	ok	1.005	0.945-1.065
2-Hexanone	13.36	15.35	0.870	ok	0.872	0.812-0.932
Iodomethane	5.42	7.67	0.707	ok	0.707	0.647-0.767
Isopropylbenzene	17.81	15.35	1.160	ok	1.161	1.101-1.221
Isopropyl Alcohol	5.03	7.67	0.656	ok	0.659	0.599-0.719
p-Isopropyltoluene	20.27	15.35	1.321	ok	1.320	1.260-1.380
Methylene chloride	5.60	7.67	0.730	ok	0.730	0.670-0.790
Methyl ethyl ketone	7.06	7.67	0.920	ok	0.924	0.864-0.984
Methyl Isobutyl Ketone	11.79	9.83	1.199	ok	1.202	1.142-1.262
Methyl Tert Butyl Ether	6.71	7.67	0.875	ok	0.879	0.819-0.939
Methylmethacrylate	10.94	9.83	1.113	ok	1.114	1.054-1.174
Naphthalene	22.88	15.35	1.491	ok	1.491	1.431-1.551
Nonane	17.31	15.35	1.128	ok	1.128	1.068-1.188
Octane	14.33	15.35	0.934	ok	0.934	0.874-0.994
Pentane	5.23	7.67	0.682	ok	0.682	0.622-0.742

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	Reporting this level
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
n-Propylbenzene	18.64	15.35	1.214	ok	1.214	1.154-1.274
Propylene	3.60	7.67	0.469	ok	0.469	0.409-0.529
Styrene	16.75	15.35	1.091	ok	1.092	1.032-1.152
1,1,1-Trichloroethane	8.87	7.67	1.156	ok	1.157	1.097-1.217
1,1,1,2-Tetrachloroethane	15.39	15.35	1.003	ok	1.003	0.943-1.063
1,1,2,2-Tetrachloroethane	16.91	15.35	1.102	ok	1.102	1.042-1.162
1,1,2-Trichloroethane	12.61	9.83	1.283	ok	1.283	1.223-1.343
1,2,4-Trichlorobenzene	23.22	15.35	1.513	ok	1.513	1.453-1.573
1,2,3-Trichloropropane	17.10	15.35	1.114	ok	1.114	1.054-1.174
1,2,3-Trimethylbenzene	20.23	15.35	1.318	ok	1.318	1.258-1.378
1,2,4-Trimethylbenzene	19.63	15.35	1.279	ok	1.279	1.219-1.339
1,3,5-Trimethylbenzene	19.01	15.35	1.238	ok	1.239	1.179-1.299
2,2,4-Trimethylpentane	10.69	9.83	1.087	ok	1.087	1.027-1.147
Tertiary Butyl Alcohol	5.55	7.67	0.724	ok	0.729	0.669-0.789
Tetrachloroethylene	14.47	15.35	0.943	ok	0.943	0.883-1.003
Tetrahydrofuran	8.24	7.67	1.074	ok	1.079	1.019-1.139
Toluene	12.96	9.83	1.318	ok	1.319	1.259-1.379
Trichloroethylene	10.65	9.83	1.083	ok	1.083	1.023-1.143
Trichlorofluoromethane	4.95	7.67	0.645	ok	0.645	0.585-0.705
Vinyl chloride	3.93	7.67	0.512	ok	0.512	0.452-0.572
Vinyl Acetate	6.81	7.67	0.888	ok	0.889	0.829-0.949
m,p-Xylene	16.23	15.35	1.057	ok	1.058	0.998-1.118
o-Xylene	16.90	15.35	1.101	ok	1.101	1.041-1.161
TVHC As Equiv Pentane	5.23	15.35	0.341	ok	0.341	0.281-0.401

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.67	ok	7.67	7.34-8.00	339202	ok	339251	203551-474951
1,4-Difluorobenzene	9.83	ok	9.83	9.50-10.16	1511260	ok	1491175	894705-2087645
Chlorobenzene-D5	15.35	ok	15.35	15.02-15.68	875250	ok	882807	529684-1235930

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	Reporting this level
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	4.82	7.68	0.628	ok	0.630	0.570-0.690
Acrolein	4.71	7.68	0.613	ok	0.615	0.555-0.675
Acrylonitrile	5.20	7.68	0.677	ok	0.679	0.619-0.739
Acetonitrile	4.62	7.68	0.602	ok	0.603	0.543-0.663
1,3-Butadiene	4.03	7.68	0.525	ok	0.526	0.466-0.586
Benzene	9.40	9.84	0.955	ok	0.956	0.896-1.016
Bromobenzene	17.91	15.35	1.167	ok	1.167	1.107-1.227
Bromodichloromethane	10.61	9.84	1.078	ok	1.079	1.019-1.139
Bromoform	16.30	15.35	1.062	ok	1.062	1.002-1.122
Bromomethane	4.23	7.68	0.551	ok	0.551	0.491-0.611
Bromoethene	4.62	7.68	0.602	ok	0.602	0.542-0.662
n-Butane	4.07	7.68	0.530	ok	0.530	0.470-0.590
Benzyl Chloride	19.81	15.35	1.291	ok	1.291	1.231-1.351
n-Butylbenzene	20.85	15.35	1.358	ok	1.359	1.299-1.419
sec-Butylbenzene	20.02	15.35	1.304	ok	1.304	1.244-1.364
tert-Butylbenzene	19.62	15.35	1.278	ok	1.278	1.218-1.338
Carbon disulfide	5.85	7.68	0.762	ok	0.763	0.703-0.823
Chlorobenzene	15.41	15.35	1.004	ok	1.004	0.944-1.064
Chlorodifluoromethane	3.58	7.68	0.466	ok	0.467	0.407-0.527
Chloroethane	4.35	7.68	0.566	ok	0.568	0.508-0.628
Chlorotrifluoroethene	3.61	7.68	0.470	ok	0.471	0.411-0.531
Chloroform	7.82	7.68	1.018	ok	1.018	0.958-1.078
Chloromethane	3.77	7.68	0.491	ok	0.492	0.432-0.552
3-Chloropropene	5.70	7.68	0.742	ok	0.743	0.683-0.803
2-Chlorotoluene	18.55	15.35	1.208	ok	1.209	1.149-1.269
Carbon tetrachloride	9.57	7.68	1.246	ok	1.248	1.188-1.308
Cyclohexane	9.70	9.84	0.986	ok	0.986	0.926-1.046
1,1-Dichloroethane	6.65	7.68	0.866	ok	0.867	0.807-0.927
1,1-Dichloroethylene	5.49	7.68	0.715	ok	0.715	0.655-0.775
1,2-Dibromoethane (EDB)	13.83	15.35	0.901	ok	0.901	0.841-0.961
1,2-Dichloroethane	8.61	7.68	1.121	ok	1.123	1.063-1.183
1,2-Dichloropropane	10.36	9.84	1.053	ok	1.054	0.994-1.114
1,3-Dichloropropane	13.01	9.84	1.322	ok	1.323	1.263-1.383
1,4-Dioxane	10.67	9.84	1.084	ok	1.089	1.029-1.149
Dichlorodifluoromethane	3.66	7.68	0.477	ok	0.477	0.417-0.537
Dichlorofluoromethane	4.42	7.68	0.576	ok	0.576	0.516-0.636
Dibromochloromethane	13.51	15.35	0.880	ok	0.880	0.820-0.940
Dibromomethane	10.34	9.84	1.051	ok	1.052	0.992-1.112
trans-1,2-Dichloroethylene	6.45	7.68	0.840	ok	0.842	0.782-0.902

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	Reporting this level
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	7.50	7.68	0.977	ok	0.978	0.918-1.038
cis-1,3-Dichloropropene	11.73	9.84	1.192	ok	1.194	1.134-1.254
m-Dichlorobenzene	19.82	15.35	1.291	ok	1.291	1.231-1.351
o-Dichlorobenzene	20.41	15.35	1.330	ok	1.330	1.270-1.390
p-Dichlorobenzene	19.92	15.35	1.298	ok	1.298	1.238-1.358
trans-1,3-Dichloropropene	12.41	9.84	1.261	ok	1.263	1.203-1.323
Di-Isopropyl ether	7.72	7.68	1.005	ok	1.008	0.948-1.068
2,3-Dimethylpentane	10.00	9.84	1.016	ok	1.017	0.957-1.077
2,4-Dimethylpentane	8.67	7.68	1.129	ok	1.130	1.070-1.190
Ethanol	4.46	7.68	0.581	ok	0.582	0.522-0.642
Ethylbenzene	15.96	15.35	1.040	ok	1.040	0.980-1.100
Ethyl Acetate	7.75	7.68	1.009	ok	1.013	0.953-1.073
Ethyl Acrylate	10.41	9.84	1.058	ok	1.062	1.002-1.122
4-Ethyltoluene	18.88	15.35	1.230	ok	1.230	1.170-1.290
Freon 113	5.82	7.68	0.758	ok	0.759	0.699-0.819
Freon 114	3.84	7.68	0.500	ok	0.501	0.441-0.561
Freon 115	3.47	7.68	0.452	ok	0.452	0.392-0.512
Freon 123	4.73	7.68	0.616	ok	0.617	0.557-0.677
Freon 123A	4.78	7.68	0.622	ok	0.623	0.563-0.683
Freon 142B	3.75	7.68	0.488	ok	0.489	0.429-0.549
Freon 152A	3.55	7.68	0.462	ok	0.463	0.403-0.523
Heptane	11.03	9.84	1.121	ok	1.122	1.062-1.182
Hexachlorobutadiene	23.37	15.35	1.522	ok	1.522	1.462-1.582
Hexachloroethane	21.32	15.35	1.389	ok	1.389	1.329-1.449
Hexane	7.71	7.68	1.004	ok	1.005	0.945-1.065
2-Hexanone	13.36	15.35	0.870	ok	0.872	0.812-0.932
Iodomethane	5.42	7.68	0.706	ok	0.707	0.647-0.767
Isopropylbenzene	17.82	15.35	1.161	ok	1.161	1.101-1.221
Isopropyl Alcohol	5.03	7.68	0.655	ok	0.659	0.599-0.719
p-Isopropyltoluene	20.27	15.35	1.321	ok	1.320	1.260-1.380
Methylene chloride	5.60	7.68	0.729	ok	0.730	0.670-0.790
Methyl ethyl ketone	7.05	7.68	0.918	ok	0.924	0.864-0.984
Methyl Isobutyl Ketone	11.79	9.84	1.198	ok	1.202	1.142-1.262
Methyl Tert Butyl Ether	6.71	7.68	0.874	ok	0.879	0.819-0.939
Methylmethacrylate	10.94	9.84	1.112	ok	1.114	1.054-1.174
Naphthalene	22.88	15.35	1.491	ok	1.491	1.431-1.551
Nonane	17.32	15.35	1.128	ok	1.128	1.068-1.188
Octane	14.33	15.35	0.934	ok	0.934	0.874-0.994
Pentane	5.23	7.68	0.681	ok	0.682	0.622-0.742

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	Reporting this level
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
n-Propylbenzene	18.64	15.35	1.214	ok	1.214	1.154-1.274
Propylene	3.60	7.68	0.469	ok	0.469	0.409-0.529
Styrene	16.75	15.35	1.091	ok	1.092	1.032-1.152
1,1,1-Trichloroethane	8.88	7.68	1.156	ok	1.157	1.097-1.217
1,1,1,2-Tetrachloroethane	15.40	15.35	1.003	ok	1.003	0.943-1.063
1,1,2,2-Tetrachloroethane	16.91	15.35	1.102	ok	1.102	1.042-1.162
1,1,2-Trichloroethane	12.61	9.84	1.282	ok	1.283	1.223-1.343
1,2,4-Trichlorobenzene	23.22	15.35	1.513	ok	1.513	1.453-1.573
1,2,3-Trichloropropane	17.10	15.35	1.114	ok	1.114	1.054-1.174
1,2,3-Trimethylbenzene	20.24	15.35	1.319	ok	1.318	1.258-1.378
1,2,4-Trimethylbenzene	19.63	15.35	1.279	ok	1.279	1.219-1.339
1,3,5-Trimethylbenzene	19.01	15.35	1.238	ok	1.239	1.179-1.299
2,2,4-Trimethylpentane	10.69	9.84	1.086	ok	1.087	1.027-1.147
Tertiary Butyl Alcohol	5.54	7.68	0.721	ok	0.729	0.669-0.789
Tetrachloroethylene	14.47	15.35	0.943	ok	0.943	0.883-1.003
Tetrahydrofuran	8.23	7.68	1.072	ok	1.079	1.019-1.139
Toluene	12.96	9.84	1.317	ok	1.319	1.259-1.379
Trichloroethylene	10.65	9.84	1.082	ok	1.083	1.023-1.143
Trichlorofluoromethane	4.95	7.68	0.645	ok	0.645	0.585-0.705
Vinyl chloride	3.93	7.68	0.512	ok	0.512	0.452-0.572
Vinyl Acetate	6.81	7.68	0.887	ok	0.889	0.829-0.949
m,p-Xylene	16.24	15.35	1.058	ok	1.058	0.998-1.118
o-Xylene	16.91	15.35	1.102	ok	1.101	1.041-1.161
TVHC As Equiv Pentane	5.23	15.35	0.341	ok	0.341	0.281-0.401

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.68	ok	7.67	7.34-8.00	342882	ok	339251	203551-474951
1,4-Difluorobenzene	9.84	ok	9.83	9.50-10.16	1466721	ok	1491175	894705-2087645
Chlorobenzene-D5	15.35	ok	15.35	15.02-15.68	922805	ok	882807	529684-1235930

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	Reporting this level
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	4.82	7.68	0.628	ok	0.630	0.570-0.690
Acrolein	4.71	7.68	0.613	ok	0.615	0.555-0.675
Acrylonitrile	5.20	7.68	0.677	ok	0.679	0.619-0.739
Acetonitrile	4.62	7.68	0.602	ok	0.603	0.543-0.663
1,3-Butadiene	4.02	7.68	0.523	ok	0.526	0.466-0.586
Benzene	9.40	9.84	0.955	ok	0.956	0.896-1.016
Bromobenzene	17.92	15.35	1.167	ok	1.167	1.107-1.227
Bromodichloromethane	10.61	9.84	1.078	ok	1.079	1.019-1.139
Bromoform	16.30	15.35	1.062	ok	1.062	1.002-1.122
Bromomethane	4.22	7.68	0.549	ok	0.551	0.491-0.611
Bromoethene	4.62	7.68	0.602	ok	0.602	0.542-0.662
n-Butane	4.06	7.68	0.529	ok	0.530	0.470-0.590
Benzyl Chloride	19.82	15.35	1.291	ok	1.291	1.231-1.351
n-Butylbenzene	20.86	15.35	1.359	ok	1.359	1.299-1.419
sec-Butylbenzene	20.02	15.35	1.304	ok	1.304	1.244-1.364
tert-Butylbenzene	19.62	15.35	1.278	ok	1.278	1.218-1.338
Carbon disulfide	5.85	7.68	0.762	ok	0.763	0.703-0.823
Chlorobenzene	15.41	15.35	1.004	ok	1.004	0.944-1.064
Chlorodifluoromethane	3.57	7.68	0.465	ok	0.467	0.407-0.527
Chloroethane	4.35	7.68	0.566	ok	0.568	0.508-0.628
Chlorotrifluoroethene	3.60	7.68	0.469	ok	0.471	0.411-0.531
Chloroform	7.82	7.68	1.018	ok	1.018	0.958-1.078
Chloromethane	3.77	7.68	0.491	ok	0.492	0.432-0.552
3-Chloropropene	5.69	7.68	0.741	ok	0.743	0.683-0.803
2-Chlorotoluene	18.55	15.35	1.208	ok	1.209	1.149-1.269
Carbon tetrachloride	9.57	7.68	1.246	ok	1.248	1.188-1.308
Cyclohexane	9.70	9.84	0.986	ok	0.986	0.926-1.046
1,1-Dichloroethane	6.65	7.68	0.866	ok	0.867	0.807-0.927
1,1-Dichloroethylene	5.48	7.68	0.714	ok	0.715	0.655-0.775
1,2-Dibromoethane (EDB)	13.84	15.35	0.902	ok	0.901	0.841-0.961
1,2-Dichloroethane	8.61	7.68	1.121	ok	1.123	1.063-1.183
1,2-Dichloropropane	10.36	9.84	1.053	ok	1.054	0.994-1.114
1,3-Dichloropropane	13.01	9.84	1.322	ok	1.323	1.263-1.383
1,4-Dioxane	10.66	9.84	1.083	ok	1.089	1.029-1.149
Dichlorodifluoromethane	3.65	7.68	0.475	ok	0.477	0.417-0.537
Dichlorofluoromethane	4.41	7.68	0.574	ok	0.576	0.516-0.636
Dibromochloromethane	13.52	15.35	0.881	ok	0.880	0.820-0.940
Dibromomethane	10.34	9.84	1.051	ok	1.052	0.992-1.112
trans-1,2-Dichloroethylene	6.45	7.68	0.840	ok	0.842	0.782-0.902

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	Reporting this level
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	7.50	7.68	0.977	ok	0.978	0.918-1.038
cis-1,3-Dichloropropene	11.73	9.84	1.192	ok	1.194	1.134-1.254
m-Dichlorobenzene	19.82	15.35	1.291	ok	1.291	1.231-1.351
o-Dichlorobenzene	20.41	15.35	1.330	ok	1.330	1.270-1.390
p-Dichlorobenzene	19.93	15.35	1.298	ok	1.298	1.238-1.358
trans-1,3-Dichloropropene	12.41	9.84	1.261	ok	1.263	1.203-1.323
Di-Isopropyl ether	7.71	7.68	1.004	ok	1.008	0.948-1.068
2,3-Dimethylpentane	10.01	9.84	1.017	ok	1.017	0.957-1.077
2,4-Dimethylpentane	8.67	7.68	1.129	ok	1.130	1.070-1.190
Ethanol	4.46	7.68	0.581	ok	0.582	0.522-0.642
Ethylbenzene	15.96	15.35	1.040	ok	1.040	0.980-1.100
Ethyl Acetate	7.75	7.68	1.009	ok	1.013	0.953-1.073
Ethyl Acrylate	10.41	9.84	1.058	ok	1.062	1.002-1.122
4-Ethyltoluene	18.88	15.35	1.230	ok	1.230	1.170-1.290
Freon 113	5.82	7.68	0.758	ok	0.759	0.699-0.819
Freon 114	3.84	7.68	0.500	ok	0.501	0.441-0.561
Freon 123	4.73	7.68	0.616	ok	0.617	0.557-0.677
Freon 123A	4.78	7.68	0.622	ok	0.623	0.563-0.683
Freon 142B	3.75	7.68	0.488	ok	0.489	0.429-0.549
Freon 152A	3.54	7.68	0.461	ok	0.463	0.403-0.523
Heptane	11.03	9.84	1.121	ok	1.122	1.062-1.182
Hexachlorobutadiene	23.37	15.35	1.522	ok	1.522	1.462-1.582
Hexachloroethane	21.32	15.35	1.389	ok	1.389	1.329-1.449
Hexane	7.71	7.68	1.004	ok	1.005	0.945-1.065
2-Hexanone	13.36	15.35	0.870	ok	0.872	0.812-0.932
Iodomethane	5.42	7.68	0.706	ok	0.707	0.647-0.767
Isopropylbenzene	17.82	15.35	1.161	ok	1.161	1.101-1.221
Isopropyl Alcohol	5.03	7.68	0.655	ok	0.659	0.599-0.719
p-Isopropyltoluene	20.27	15.35	1.321	ok	1.320	1.260-1.380
Methylene chloride	5.60	7.68	0.729	ok	0.730	0.670-0.790
Methyl ethyl ketone	7.05	7.68	0.918	ok	0.924	0.864-0.984
Methyl Isobutyl Ketone	11.79	9.84	1.198	ok	1.202	1.142-1.262
Methyl Tert Butyl Ether	6.70	7.68	0.872	ok	0.879	0.819-0.939
Methylmethacrylate	10.94	9.84	1.112	ok	1.114	1.054-1.174
Naphthalene	22.89	15.35	1.491	ok	1.491	1.431-1.551
Nonane	17.32	15.35	1.128	ok	1.128	1.068-1.188
Octane	14.34	15.35	0.934	ok	0.934	0.874-0.994
Pentane	5.23	7.68	0.681	ok	0.682	0.622-0.742
n-Propylbenzene	18.64	15.35	1.214	ok	1.214	1.154-1.274

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	Reporting this level
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Propylene	3.59	7.68	0.467	ok	0.469	0.409-0.529
Styrene	16.75	15.35	1.091	ok	1.092	1.032-1.152
1,1,1-Trichloroethane	8.88	7.68	1.156	ok	1.157	1.097-1.217
1,1,1,2-Tetrachloroethane	15.40	15.35	1.003	ok	1.003	0.943-1.063
1,1,2,2-Tetrachloroethane	16.91	15.35	1.102	ok	1.102	1.042-1.162
1,1,2-Trichloroethane	12.62	9.84	1.283	ok	1.283	1.223-1.343
1,2,4-Trichlorobenzene	23.23	15.35	1.513	ok	1.513	1.453-1.573
1,2,3-Trichloropropane	17.10	15.35	1.114	ok	1.114	1.054-1.174
1,2,3-Trimethylbenzene	20.24	15.35	1.319	ok	1.318	1.258-1.378
1,2,4-Trimethylbenzene	19.64	15.35	1.279	ok	1.279	1.219-1.339
1,3,5-Trimethylbenzene	19.02	15.35	1.239	ok	1.239	1.179-1.299
2,2,4-Trimethylpentane	10.69	9.84	1.086	ok	1.087	1.027-1.147
Tertiary Butyl Alcohol	5.54	7.68	0.721	ok	0.729	0.669-0.789
Tetrachloroethylene	14.47	15.35	0.943	ok	0.943	0.883-1.003
Tetrahydrofuran	8.23	7.68	1.072	ok	1.079	1.019-1.139
Toluene	12.97	9.84	1.318	ok	1.319	1.259-1.379
Trichloroethylene	10.65	9.84	1.082	ok	1.083	1.023-1.143
Trichlorofluoromethane	4.94	7.68	0.643	ok	0.645	0.585-0.705
Vinyl chloride	3.93	7.68	0.512	ok	0.512	0.452-0.572
Vinyl Acetate	6.81	7.68	0.887	ok	0.889	0.829-0.949
m,p-Xylene	16.25	15.35	1.059	ok	1.058	0.998-1.118
o-Xylene	16.91	15.35	1.102	ok	1.101	1.041-1.161
TVHC As Equiv Pentane	5.23	15.35	0.341	ok	0.341	0.281-0.401

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.68	ok	7.67	7.34-8.00	341329	ok	339251	203551-474951
1,4-Difluorobenzene	9.84	ok	9.83	9.50-10.16	1382725	ok	1491175	894705-2087645
Chlorobenzene-D5	15.35	ok	15.35	15.02-15.68	1000073	ok	882807	529684-1235930

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acrolein	4.71	7.68	0.613	ok	0.615	0.555-0.675
Acrylonitrile	5.21	7.68	0.678	ok	0.679	0.619-0.739
Acetonitrile	4.62	7.68	0.602	ok	0.603	0.543-0.663
1,3-Butadiene	4.03	7.68	0.525	ok	0.526	0.466-0.586
Benzene	9.41	9.85	0.955	ok	0.956	0.896-1.016
Bromobenzene	17.92	15.35	1.167	ok	1.167	1.107-1.227
Bromodichloromethane	10.62	9.85	1.078	ok	1.079	1.019-1.139
Bromoform	16.30	15.35	1.062	ok	1.062	1.002-1.122
Bromomethane	4.23	7.68	0.551	ok	0.551	0.491-0.611
Bromoethene	4.62	7.68	0.602	ok	0.602	0.542-0.662
n-Butane	4.07	7.68	0.530	ok	0.530	0.470-0.590
Benzyl Chloride	19.82	15.35	1.291	ok	1.291	1.231-1.351
n-Butylbenzene	20.86	15.35	1.359	ok	1.359	1.299-1.419
sec-Butylbenzene	20.03	15.35	1.305	ok	1.304	1.244-1.364
tert-Butylbenzene	19.62	15.35	1.278	ok	1.278	1.218-1.338
Carbon disulfide	5.85	7.68	0.762	ok	0.763	0.703-0.823
Chlorobenzene	15.41	15.35	1.004	ok	1.004	0.944-1.064
Chlorodifluoromethane	3.58	7.68	0.466	ok	0.467	0.407-0.527
Chloroethane	4.35	7.68	0.566	ok	0.568	0.508-0.628
Chlorotrifluoroethene	3.61	7.68	0.470	ok	0.471	0.411-0.531
Chloroform	7.82	7.68	1.018	ok	1.018	0.958-1.078
Chloromethane	3.77	7.68	0.491	ok	0.492	0.432-0.552
3-Chloropropene	5.70	7.68	0.742	ok	0.743	0.683-0.803
2-Chlorotoluene	18.55	15.35	1.208	ok	1.209	1.149-1.269
Carbon tetrachloride	9.57	7.68	1.246	ok	1.248	1.188-1.308
Cyclohexane	9.71	9.85	0.986	ok	0.986	0.926-1.046
1,1-Dichloroethane	6.65	7.68	0.866	ok	0.867	0.807-0.927
1,1-Dichloroethylene	5.49	7.68	0.715	ok	0.715	0.655-0.775
1,2-Dibromoethane (EDB)	13.84	15.35	0.902	ok	0.901	0.841-0.961
1,2-Dichloroethane	8.61	7.68	1.121	ok	1.123	1.063-1.183
1,2-Dichloropropane	10.37	9.85	1.053	ok	1.054	0.994-1.114
1,3-Dichloropropane	13.02	9.85	1.322	ok	1.323	1.263-1.383
1,4-Dioxane	10.67	9.85	1.083	ok	1.089	1.029-1.149
Dichlorodifluoromethane	3.66	7.68	0.477	ok	0.477	0.417-0.537
Dichlorofluoromethane	4.42	7.68	0.576	ok	0.576	0.516-0.636
Dibromochloromethane	13.52	15.35	0.881	ok	0.880	0.820-0.940
Dibromomethane	10.34	9.85	1.050	ok	1.052	0.992-1.112
trans-1,2-Dichloroethylene	6.46	7.68	0.841	ok	0.842	0.782-0.902
cis-1,2-Dichloroethylene	7.50	7.68	0.977	ok	0.978	0.918-1.038

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,3-Dichloropropene	11.74	9.85	1.192	ok	1.194	1.134-1.254
m-Dichlorobenzene	19.83	15.35	1.292	ok	1.291	1.231-1.351
o-Dichlorobenzene	20.41	15.35	1.330	ok	1.330	1.270-1.390
p-Dichlorobenzene	19.94	15.35	1.299	ok	1.298	1.238-1.358
trans-1,3-Dichloropropene	12.42	9.85	1.261	ok	1.263	1.203-1.323
Di-Isopropyl ether	7.72	7.68	1.005	ok	1.008	0.948-1.068
2,3-Dimethylpentane	10.01	9.85	1.016	ok	1.017	0.957-1.077
2,4-Dimethylpentane	8.67	7.68	1.129	ok	1.130	1.070-1.190
Ethanol	4.46	7.68	0.581	ok	0.582	0.522-0.642
Ethylbenzene	15.96	15.35	1.040	ok	1.040	0.980-1.100
Ethyl Acetate	7.75	7.68	1.009	ok	1.013	0.953-1.073
Ethyl Acrylate	10.42	9.85	1.058	ok	1.062	1.002-1.122
4-Ethyltoluene	18.89	15.35	1.231	ok	1.230	1.170-1.290
Freon 113	5.82	7.68	0.758	ok	0.759	0.699-0.819
Freon 114	3.84	7.68	0.500	ok	0.501	0.441-0.561
Freon 123	4.74	7.68	0.617	ok	0.617	0.557-0.677
Freon 123A	4.78	7.68	0.622	ok	0.623	0.563-0.683
Freon 142B	3.75	7.68	0.488	ok	0.489	0.429-0.549
Freon 152A	3.55	7.68	0.462	ok	0.463	0.403-0.523
Heptane	11.04	9.85	1.121	ok	1.122	1.062-1.182
Hexachlorobutadiene	23.37	15.35	1.522	ok	1.522	1.462-1.582
Hexachloroethane	21.32	15.35	1.389	ok	1.389	1.329-1.449
Hexane	7.71	7.68	1.004	ok	1.005	0.945-1.065
2-Hexanone	13.36	15.35	0.870	ok	0.872	0.812-0.932
Iodomethane	5.42	7.68	0.706	ok	0.707	0.647-0.767
Isopropylbenzene	17.82	15.35	1.161	ok	1.161	1.101-1.221
Isopropyl Alcohol	5.03	7.68	0.655	ok	0.659	0.599-0.719
p-Isopropyltoluene	20.27	15.35	1.321	ok	1.320	1.260-1.380
Methylene chloride	5.60	7.68	0.729	ok	0.730	0.670-0.790
Methyl ethyl ketone	7.05	7.68	0.918	ok	0.924	0.864-0.984
Methyl Isobutyl Ketone	11.79	9.85	1.197	ok	1.202	1.142-1.262
Methyl Tert Butyl Ether	6.71	7.68	0.874	ok	0.879	0.819-0.939
Methylmethacrylate	10.94	9.85	1.111	ok	1.114	1.054-1.174
Nonane	17.32	15.35	1.128	ok	1.128	1.068-1.188
Octane	14.34	15.35	0.934	ok	0.934	0.874-0.994
Pentane	5.23	7.68	0.681	ok	0.682	0.622-0.742
n-Propylbenzene	18.64	15.35	1.214	ok	1.214	1.154-1.274
Propylene	3.60	7.68	0.469	ok	0.469	0.409-0.529
Styrene	16.76	15.35	1.092	ok	1.092	1.032-1.152

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W2125-IC2125	5W55459.D	12/09/24 04:14	BK	0.04	GCMS5W	TO-15	
V5W2125-IC2125	5W55460.D	12/09/24 04:54	BK	0.1	GCMS5W	TO-15	
V5W2125-IC2125	5W55461.D	12/09/24 05:35	BK	0.2	GCMS5W	TO-15	
V5W2125-IC2125	5W55463.D	12/09/24 06:59	BK	0.5	GCMS5W	TO-15	
V5W2125-IC2125	5W55464.D	12/09/24 07:45	BK	5	GCMS5W	TO-15	
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	BK	10	GCMS5W	TO-15	
V5W2125-IC2125	5W55467.D	12/09/24 09:45	BK	20	GCMS5W	TO-15	
V5W2125-IC2125	5W55468.D	12/09/24 10:29	BK	40	GCMS5W	TO-15	
V5W2125-IC2125	5W55469.D	12/09/24 11:14	BK	50	GCMS5W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
1,1,1-Trichloroethane	8.88	7.68	1.156	ok	1.157	1.097-1.217
1,1,1,2-Tetrachloroethane	15.40	15.35	1.003	ok	1.003	0.943-1.063
1,1,2,2-Tetrachloroethane	16.91	15.35	1.102	ok	1.102	1.042-1.162
1,1,2-Trichloroethane	12.62	9.85	1.281	ok	1.283	1.223-1.343
1,2,4-Trichlorobenzene	23.23	15.35	1.513	ok	1.513	1.453-1.573
1,2,3-Trichloropropane	17.11	15.35	1.115	ok	1.114	1.054-1.174
1,2,3-Trimethylbenzene	20.25	15.35	1.319	ok	1.318	1.258-1.378
1,2,4-Trimethylbenzene	19.64	15.35	1.279	ok	1.279	1.219-1.339
1,3,5-Trimethylbenzene	19.02	15.35	1.239	ok	1.239	1.179-1.299
2,2,4-Trimethylpentane	10.70	9.85	1.086	ok	1.087	1.027-1.147
Tertiary Butyl Alcohol	5.55	7.68	0.723	ok	0.729	0.669-0.789
Tetrachloroethylene	14.47	15.35	0.943	ok	0.943	0.883-1.003
Tetrahydrofuran	8.23	7.68	1.072	ok	1.079	1.019-1.139
Toluene	12.97	9.85	1.317	ok	1.319	1.259-1.379
Trichloroethylene	10.66	9.85	1.082	ok	1.083	1.023-1.143
Trichlorofluoromethane	4.95	7.68	0.645	ok	0.645	0.585-0.705
Vinyl chloride	3.93	7.68	0.512	ok	0.512	0.452-0.572
Vinyl Acetate	6.81	7.68	0.887	ok	0.889	0.829-0.949
m,p-Xylene	16.25	15.35	1.059	ok	1.058	0.998-1.118
o-Xylene	16.91	15.35	1.102	ok	1.101	1.041-1.161
TVHC As Equiv Pentane	5.23	15.35	0.341	ok	0.341	0.281-0.401

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.68	ok	7.67	7.34-8.00	363096	ok	339251	203551-474951
1,4-Difluorobenzene	9.85	ok	9.83	9.50-10.16	1435494	ok	1491175	894705-2087645
Chlorobenzene-D5	15.35	ok	15.35	15.02-15.68	1087902	ok	882807	529684-1235930

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	Reporting this level
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.14	3.27	0.654	ok	0.653	0.593-0.713
Acrylonitrile	2.28	3.27	0.697	ok	0.696	0.636-0.756
Acetonitrile	2.05	3.27	0.627	ok	0.627	0.567-0.687
1,3-Butadiene	1.83	3.27	0.560	ok	0.560	0.500-0.620
Benzene	4.22	3.27	1.291	ok	1.293	1.233-1.353
Bromobenzene	13.81	10.12	1.365	ok	1.366	1.306-1.426
Bromodichloromethane	5.06	4.55	1.112	ok	1.114	1.054-1.174
Bromoform	11.32	10.12	1.119	ok	1.118	1.058-1.178
Bromomethane	1.91	3.27	0.584	ok	0.584	0.524-0.644
Bromoethene	2.06	3.27	0.630	ok	0.630	0.570-0.690
n-Butane	1.85	3.27	0.566	ok	0.566	0.506-0.626
Benzyl Chloride	16.66	10.12	1.646	ok	1.647	1.587-1.707
n-Butylbenzene	17.42	10.12	1.721	ok	1.722	1.662-1.782
sec-Butylbenzene	16.87	10.12	1.667	ok	1.667	1.607-1.727
tert-Butylbenzene	16.57	10.12	1.637	ok	1.637	1.577-1.697
Carbon disulfide	2.53	3.27	0.774	ok	0.771	0.711-0.831
Chlorobenzene	10.19	10.12	1.007	ok	1.008	0.948-1.068
Chlorodifluoromethane	1.66	3.27	0.508	ok	0.508	0.448-0.568
Chloroethane	1.96	3.27	0.599	ok	0.599	0.539-0.659
Chlorotrifluoroethene	1.68	3.27	0.514	ok	0.511	0.451-0.571
Chloroform	3.34	3.27	1.021	ok	1.022	0.962-1.082
Chloromethane	1.73	3.27	0.529	ok	0.529	0.469-0.589
3-Chloropropene	2.47	3.27	0.755	ok	0.755	0.695-0.815
2-Chlorotoluene	14.96	10.12	1.478	ok	1.477	1.417-1.537
Carbon tetrachloride	4.33	3.27	1.324	ok	1.326	1.266-1.386
Cyclohexane	4.43	4.55	0.974	ok	0.974	0.914-1.034
1,1-Dichloroethane	2.83	3.27	0.865	ok	0.865	0.805-0.925
1,1-Dichloroethylene	2.39	3.27	0.731	ok	0.731	0.671-0.791
1,2-Dibromoethane (EDB)	8.14	4.55	1.789	ok	1.789	1.729-1.849
1,2-Dichloroethane	3.75	3.27	1.147	ok	1.147	1.087-1.207
1,2-Dichloropropane	4.88	4.55	1.073	ok	1.074	1.014-1.134
1,3-Dichloropropane	7.32	4.55	1.609	ok	1.609	1.549-1.669
Dichlorodifluoromethane	1.69	3.27	0.517	ok	0.517	0.457-0.577
Dichlorofluoromethane	1.98	3.27	0.606	ok	0.606	0.546-0.666
Dibromochloromethane	7.80	4.55	1.714	ok	1.713	1.653-1.773
Dibromomethane	4.85	4.55	1.066	ok	1.066	1.006-1.126
trans-1,2-Dichloroethylene	2.75	3.27	0.841	ok	0.841	0.781-0.901
cis-1,2-Dichloroethylene	3.19	3.27	0.976	ok	0.976	0.916-1.036
cis-1,3-Dichloropropene	6.06	4.55	1.332	ok	1.332	1.272-1.392

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	Reporting this level
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
m-Dichlorobenzene	16.64	10.12	1.644	ok	1.644	1.584-1.704
o-Dichlorobenzene	17.04	10.12	1.684	ok	1.684	1.624-1.744
p-Dichlorobenzene	16.73	10.12	1.653	ok	1.653	1.593-1.713
trans-1,3-Dichloropropene	6.73	4.55	1.479	ok	1.481	1.421-1.541
Di-Isopropyl ether	3.34	3.27	1.021	ok	1.020	0.960-1.080
2,3-Dimethylpentane	4.69	4.55	1.031	ok	1.030	0.970-1.090
2,4-Dimethylpentane	3.84	3.27	1.174	ok	1.173	1.113-1.233
Ethanol	2.00	3.27	0.612	ok	0.610	0.550-0.670
Ethylbenzene	11.08	10.12	1.095	ok	1.095	1.035-1.155
Ethyl Acetate	3.34	3.27	1.021	ok	1.020	0.960-1.080
Ethyl Acrylate	5.03	4.55	1.105	ok	1.103	1.043-1.163
4-Ethyltoluene	15.72	10.12	1.553	ok	1.555	1.495-1.615
Freon 113	2.52	3.27	0.771	ok	0.771	0.711-0.831
Freon 114	1.76	3.27	0.538	ok	0.538	0.478-0.598
Freon 115	1.62	3.27	0.495	ok	0.494	0.434-0.554
Freon 123	2.11	3.27	0.645	ok	0.643	0.583-0.703
Freon 123A	2.13	3.27	0.651	ok	0.649	0.589-0.709
Freon 142B	1.72	3.27	0.526	ok	0.527	0.467-0.587
Freon 152A	1.65	3.27	0.505	ok	0.504	0.444-0.564
Heptane	5.54	4.55	1.218	ok	1.216	1.156-1.276
Hexachlorobutadiene	18.66	10.12	1.844	ok	1.843	1.783-1.903
Hexachloroethane	17.60	10.12	1.739	ok	1.739	1.679-1.799
Hexane	3.32	3.27	1.015	ok	1.015	0.955-1.075
2-Hexanone	7.90	4.55	1.736	ok	1.729	1.669-1.789
Iodomethane	2.37	3.27	0.725	ok	0.722	0.662-0.782
Isopropylbenzene	13.96	10.12	1.379	ok	1.379	1.319-1.439
Isopropyl Alcohol	2.23	3.27	0.682	ok	0.679	0.619-0.739
p-Isopropyltoluene	17.06	10.12	1.686	ok	1.686	1.626-1.746
Methylene chloride	2.42	3.27	0.740	ok	0.742	0.682-0.802
Methyl ethyl ketone	3.01	3.27	0.920	ok	0.919	0.859-0.979
Methyl Isobutyl Ketone	6.21	4.55	1.365	ok	1.360	1.300-1.420
Methyl Tert Butyl Ether	2.88	3.27	0.881	ok	0.877	0.817-0.937
Methylmethacrylate	5.45	4.55	1.198	ok	1.195	1.135-1.255
Naphthalene	18.40	10.12	1.818	ok	1.818	1.758-1.878
Nonane	13.56	10.12	1.340	ok	1.340	1.280-1.400
Octane	9.14	4.55	2.009	ok	2.009	1.949-2.069
Pentane	2.31	3.27	0.706	ok	0.704	0.644-0.764
n-Propylbenzene	15.30	10.12	1.512	ok	1.512	1.452-1.572
Propylene	1.67	3.27	0.511	ok	0.511	0.451-0.571

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	Reporting this level
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Styrene	12.23	10.12	1.208	ok	1.208	1.148-1.268
1,1,1-Trichloroethane	3.91	3.27	1.196	ok	1.196	1.136-1.256
1,1,1,2-Tetrachloroethane	10.20	10.12	1.008	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	12.46	10.12	1.231	ok	1.231	1.171-1.291
1,1,2-Trichloroethane	6.90	4.55	1.516	ok	1.515	1.455-1.575
1,2,4-Trichlorobenzene	18.35	10.12	1.813	ok	1.813	1.753-1.873
1,2,3-Trichloropropane	12.74	10.12	1.259	ok	1.259	1.199-1.319
1,2,3-Trimethylbenzene	16.99	10.12	1.679	ok	1.679	1.619-1.739
1,2,4-Trimethylbenzene	16.58	10.12	1.638	ok	1.638	1.578-1.698
1,3,5-Trimethylbenzene	15.99	10.12	1.580	ok	1.581	1.521-1.641
2,2,4-Trimethylpentane	5.22	4.55	1.147	ok	1.147	1.087-1.207
Tertiary Butyl Alcohol	2.45	3.27	0.749	ok	0.743	0.683-0.803
Tetrachloroethylene	8.99	4.55	1.976	ok	1.977	1.917-2.037
Tetrahydrofuran	3.60	3.27	1.101	ok	1.091	1.031-1.151
Toluene	7.26	4.55	1.596	ok	1.596	1.536-1.656
Trichloroethylene	5.12	4.55	1.125	ok	1.126	1.066-1.186
Trichlorofluoromethane	2.19	3.27	0.670	ok	0.669	0.609-0.729
Vinyl chloride	1.79	3.27	0.547	ok	0.547	0.487-0.607
Vinyl Acetate	2.91	3.27	0.890	ok	0.888	0.828-0.948
m,p-Xylene	11.50	10.12	1.136	ok	1.137	1.077-1.197
o-Xylene	12.43	10.12	1.228	ok	1.229	1.169-1.289
TVHC As Equiv Pentane	2.31	10.12	0.228	ok	0.227	0.167-0.287

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.27	ok	3.27	2.94-3.60	86358	ok	80511	48307-112715
1,4-Difluorobenzene	4.55	ok	4.55	4.22-4.88	435174	ok	406483	243890-569076
Chlorobenzene-D5	10.12	ok	10.12	9.79-10.45	379594	ok	359712	215827-503597

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	Reporting this level
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.14	3.27	0.654	ok	0.653	0.593-0.713
Acrolein	2.10	3.27	0.642	ok	0.640	0.580-0.700
Acrylonitrile	2.28	3.27	0.697	ok	0.696	0.636-0.756
Acetonitrile	2.05	3.27	0.627	ok	0.627	0.567-0.687
1,3-Butadiene	1.83	3.27	0.560	ok	0.560	0.500-0.620
Benzene	4.23	3.27	1.294	ok	1.293	1.233-1.353
Bromobenzene	13.81	10.12	1.365	ok	1.366	1.306-1.426
Bromodichloromethane	5.07	4.55	1.114	ok	1.114	1.054-1.174
Bromoform	11.31	10.12	1.118	ok	1.118	1.058-1.178
Bromomethane	1.91	3.27	0.584	ok	0.584	0.524-0.644
Bromoethene	2.06	3.27	0.630	ok	0.630	0.570-0.690
n-Butane	1.85	3.27	0.566	ok	0.566	0.506-0.626
Benzyl Chloride	16.67	10.12	1.647	ok	1.647	1.587-1.707
n-Butylbenzene	17.43	10.12	1.722	ok	1.722	1.662-1.782
sec-Butylbenzene	16.88	10.12	1.668	ok	1.667	1.607-1.727
tert-Butylbenzene	16.57	10.12	1.637	ok	1.637	1.577-1.697
Carbon disulfide	2.52	3.27	0.771	ok	0.771	0.711-0.831
Chlorobenzene	10.20	10.12	1.008	ok	1.008	0.948-1.068
Chlorodifluoromethane	1.66	3.27	0.508	ok	0.508	0.448-0.568
Chloroethane	1.96	3.27	0.599	ok	0.599	0.539-0.659
Chlorotrifluoroethene	1.67	3.27	0.511	ok	0.511	0.451-0.571
Chloroform	3.34	3.27	1.021	ok	1.022	0.962-1.082
Chloromethane	1.74	3.27	0.532	ok	0.529	0.469-0.589
3-Chloropropene	2.47	3.27	0.755	ok	0.755	0.695-0.815
2-Chlorotoluene	14.95	10.12	1.477	ok	1.477	1.417-1.537
Carbon tetrachloride	4.34	3.27	1.327	ok	1.326	1.266-1.386
Cyclohexane	4.43	4.55	0.974	ok	0.974	0.914-1.034
1,1-Dichloroethane	2.83	3.27	0.865	ok	0.865	0.805-0.925
1,1-Dichloroethylene	2.39	3.27	0.731	ok	0.731	0.671-0.791
1,2-Dibromoethane (EDB)	8.15	4.55	1.791	ok	1.789	1.729-1.849
1,2-Dichloroethane	3.75	3.27	1.147	ok	1.147	1.087-1.207
1,2-Dichloropropane	4.89	4.55	1.075	ok	1.074	1.014-1.134
1,3-Dichloropropane	7.32	4.55	1.609	ok	1.609	1.549-1.669
1,4-Dioxane	5.24	4.55	1.152	ok	1.137	1.077-1.197
Dichlorodifluoromethane	1.69	3.27	0.517	ok	0.517	0.457-0.577
Dichlorofluoromethane	1.98	3.27	0.606	ok	0.606	0.546-0.666
Dibromochloromethane	7.79	4.55	1.712	ok	1.713	1.653-1.773
Dibromomethane	4.85	4.55	1.066	ok	1.066	1.006-1.126
trans-1,2-Dichloroethylene	2.75	3.27	0.841	ok	0.841	0.781-0.901

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	Reporting this level
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.19	3.27	0.976	ok	0.976	0.916-1.036
cis-1,3-Dichloropropene	6.06	4.55	1.332	ok	1.332	1.272-1.392
m-Dichlorobenzene	16.64	10.12	1.644	ok	1.644	1.584-1.704
o-Dichlorobenzene	17.04	10.12	1.684	ok	1.684	1.624-1.744
p-Dichlorobenzene	16.73	10.12	1.653	ok	1.653	1.593-1.713
trans-1,3-Dichloropropene	6.74	4.55	1.481	ok	1.481	1.421-1.541
Di-Isopropyl ether	3.34	3.27	1.021	ok	1.020	0.960-1.080
2,3-Dimethylpentane	4.68	4.55	1.029	ok	1.030	0.970-1.090
2,4-Dimethylpentane	3.83	3.27	1.171	ok	1.173	1.113-1.233
Ethanol	2.00	3.27	0.612	ok	0.610	0.550-0.670
Ethylbenzene	11.08	10.12	1.095	ok	1.095	1.035-1.155
Ethyl Acetate	3.35	3.27	1.024	ok	1.020	0.960-1.080
Ethyl Acrylate	5.03	4.55	1.105	ok	1.103	1.043-1.163
4-Ethyltoluene	15.74	10.12	1.555	ok	1.555	1.495-1.615
Freon 113	2.52	3.27	0.771	ok	0.771	0.711-0.831
Freon 114	1.76	3.27	0.538	ok	0.538	0.478-0.598
Freon 115	1.62	3.27	0.495	ok	0.494	0.434-0.554
Freon 123	2.11	3.27	0.645	ok	0.643	0.583-0.703
Freon 123A	2.12	3.27	0.648	ok	0.649	0.589-0.709
Freon 142B	1.73	3.27	0.529	ok	0.527	0.467-0.587
Freon 152A	1.65	3.27	0.505	ok	0.504	0.444-0.564
Heptane	5.53	4.55	1.215	ok	1.216	1.156-1.276
Hexachlorobutadiene	18.66	10.12	1.844	ok	1.843	1.783-1.903
Hexachloroethane	17.60	10.12	1.739	ok	1.739	1.679-1.799
Hexane	3.32	3.27	1.015	ok	1.015	0.955-1.075
2-Hexanone	7.89	4.55	1.734	ok	1.729	1.669-1.789
Iodomethane	2.37	3.27	0.725	ok	0.722	0.662-0.782
Isopropylbenzene	13.96	10.12	1.379	ok	1.379	1.319-1.439
Isopropyl Alcohol	2.23	3.27	0.682	ok	0.679	0.619-0.739
p-Isopropyltoluene	17.06	10.12	1.686	ok	1.686	1.626-1.746
Methylene chloride	2.43	3.27	0.743	ok	0.742	0.682-0.802
Methyl ethyl ketone	3.01	3.27	0.920	ok	0.919	0.859-0.979
Methyl Isobutyl Ketone	6.21	4.55	1.365	ok	1.360	1.300-1.420
Methyl Tert Butyl Ether	2.87	3.27	0.878	ok	0.877	0.817-0.937
Methylmethacrylate	5.44	4.55	1.196	ok	1.195	1.135-1.255
Naphthalene	18.40	10.12	1.818	ok	1.818	1.758-1.878
Nonane	13.57	10.12	1.341	ok	1.340	1.280-1.400
Octane	9.14	4.55	2.009	ok	2.009	1.949-2.069
Pentane	2.30	3.27	0.703	ok	0.704	0.644-0.764

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	Reporting this level
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
n-Propylbenzene	15.29	10.12	1.511	ok	1.512	1.452-1.572
Propylene	1.67	3.27	0.511	ok	0.511	0.451-0.571
Styrene	12.23	10.12	1.208	ok	1.208	1.148-1.268
1,1,1-Trichloroethane	3.91	3.27	1.196	ok	1.196	1.136-1.256
1,1,1,2-Tetrachloroethane	10.21	10.12	1.009	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	12.45	10.12	1.230	ok	1.231	1.171-1.291
1,1,2-Trichloroethane	6.89	4.55	1.514	ok	1.515	1.455-1.575
1,2,4-Trichlorobenzene	18.35	10.12	1.813	ok	1.813	1.753-1.873
1,2,3-Trichloropropane	12.73	10.12	1.258	ok	1.259	1.199-1.319
1,2,3-Trimethylbenzene	16.99	10.12	1.679	ok	1.679	1.619-1.739
1,2,4-Trimethylbenzene	16.58	10.12	1.638	ok	1.638	1.578-1.698
1,3,5-Trimethylbenzene	16.00	10.12	1.581	ok	1.581	1.521-1.641
2,2,4-Trimethylpentane	5.21	4.55	1.145	ok	1.147	1.087-1.207
Tertiary Butyl Alcohol	2.45	3.27	0.749	ok	0.743	0.683-0.803
Tetrachloroethylene	8.99	4.55	1.976	ok	1.977	1.917-2.037
Tetrahydrofuran	3.59	3.27	1.098	ok	1.091	1.031-1.151
Toluene	7.26	4.55	1.596	ok	1.596	1.536-1.656
Trichloroethylene	5.12	4.55	1.125	ok	1.126	1.066-1.186
Trichlorofluoromethane	2.19	3.27	0.670	ok	0.669	0.609-0.729
Vinyl chloride	1.79	3.27	0.547	ok	0.547	0.487-0.607
Vinyl Acetate	2.90	3.27	0.887	ok	0.888	0.828-0.948
m,p-Xylene	11.50	10.12	1.136	ok	1.137	1.077-1.197
o-Xylene	12.44	10.12	1.229	ok	1.229	1.169-1.289
TVHC As Equiv Pentane	2.30	10.12	0.227	ok	0.227	0.167-0.287

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.27	ok	3.27	2.94-3.60	83993	ok	80511	48307-112715
1,4-Difluorobenzene	4.55	ok	4.55	4.22-4.88	426374	ok	406483	243890-569076
Chlorobenzene-D5	10.12	ok	10.12	9.79-10.45	372534	ok	359712	215827-503597

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	Reporting this level
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.14	3.27	0.654	ok	0.653	0.593-0.713
Acrolein	2.09	3.27	0.639	ok	0.640	0.580-0.700
Acrylonitrile	2.28	3.27	0.697	ok	0.696	0.636-0.756
Acetonitrile	2.06	3.27	0.630	ok	0.627	0.567-0.687
1,3-Butadiene	1.83	3.27	0.560	ok	0.560	0.500-0.620
Benzene	4.22	3.27	1.291	ok	1.293	1.233-1.353
Bromobenzene	13.82	10.12	1.366	ok	1.366	1.306-1.426
Bromodichloromethane	5.06	4.55	1.112	ok	1.114	1.054-1.174
Bromoform	11.32	10.12	1.119	ok	1.118	1.058-1.178
Bromomethane	1.91	3.27	0.584	ok	0.584	0.524-0.644
Bromoethene	2.06	3.27	0.630	ok	0.630	0.570-0.690
n-Butane	1.85	3.27	0.566	ok	0.566	0.506-0.626
Benzyl Chloride	16.67	10.12	1.647	ok	1.647	1.587-1.707
n-Butylbenzene	17.43	10.12	1.722	ok	1.722	1.662-1.782
sec-Butylbenzene	16.87	10.12	1.667	ok	1.667	1.607-1.727
tert-Butylbenzene	16.57	10.12	1.637	ok	1.637	1.577-1.697
Carbon disulfide	2.52	3.27	0.771	ok	0.771	0.711-0.831
Chlorobenzene	10.20	10.12	1.008	ok	1.008	0.948-1.068
Chlorodifluoromethane	1.66	3.27	0.508	ok	0.508	0.448-0.568
Chloroethane	1.96	3.27	0.599	ok	0.599	0.539-0.659
Chlorotrifluoroethene	1.67	3.27	0.511	ok	0.511	0.451-0.571
Chloroform	3.34	3.27	1.021	ok	1.022	0.962-1.082
Chloromethane	1.73	3.27	0.529	ok	0.529	0.469-0.589
3-Chloropropene	2.47	3.27	0.755	ok	0.755	0.695-0.815
2-Chlorotoluene	14.95	10.12	1.477	ok	1.477	1.417-1.537
Carbon tetrachloride	4.34	3.27	1.327	ok	1.326	1.266-1.386
Cyclohexane	4.43	4.55	0.974	ok	0.974	0.914-1.034
1,1-Dichloroethane	2.83	3.27	0.865	ok	0.865	0.805-0.925
1,1-Dichloroethylene	2.39	3.27	0.731	ok	0.731	0.671-0.791
1,2-Dibromoethane (EDB)	8.14	4.55	1.789	ok	1.789	1.729-1.849
1,2-Dichloroethane	3.75	3.27	1.147	ok	1.147	1.087-1.207
1,2-Dichloropropane	4.89	4.55	1.075	ok	1.074	1.014-1.134
1,3-Dichloropropane	7.32	4.55	1.609	ok	1.609	1.549-1.669
1,4-Dioxane	5.22	4.55	1.147	ok	1.137	1.077-1.197
Dichlorodifluoromethane	1.69	3.27	0.517	ok	0.517	0.457-0.577
Dichlorofluoromethane	1.98	3.27	0.606	ok	0.606	0.546-0.666
Dibromochloromethane	7.79	4.55	1.712	ok	1.713	1.653-1.773
Dibromomethane	4.85	4.55	1.066	ok	1.066	1.006-1.126
trans-1,2-Dichloroethylene	2.75	3.27	0.841	ok	0.841	0.781-0.901

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	Reporting this level
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.19	3.27	0.976	ok	0.976	0.916-1.036
cis-1,3-Dichloropropene	6.06	4.55	1.332	ok	1.332	1.272-1.392
m-Dichlorobenzene	16.64	10.12	1.644	ok	1.644	1.584-1.704
o-Dichlorobenzene	17.04	10.12	1.684	ok	1.684	1.624-1.744
p-Dichlorobenzene	16.73	10.12	1.653	ok	1.653	1.593-1.713
trans-1,3-Dichloropropene	6.74	4.55	1.481	ok	1.481	1.421-1.541
Di-Isopropyl ether	3.34	3.27	1.021	ok	1.020	0.960-1.080
2,3-Dimethylpentane	4.68	4.55	1.029	ok	1.030	0.970-1.090
2,4-Dimethylpentane	3.84	3.27	1.174	ok	1.173	1.113-1.233
Ethanol	2.00	3.27	0.612	ok	0.610	0.550-0.670
Ethylbenzene	11.08	10.12	1.095	ok	1.095	1.035-1.155
Ethyl Acetate	3.34	3.27	1.021	ok	1.020	0.960-1.080
Ethyl Acrylate	5.02	4.55	1.103	ok	1.103	1.043-1.163
4-Ethyltoluene	15.75	10.12	1.556	ok	1.555	1.495-1.615
Freon 113	2.52	3.27	0.771	ok	0.771	0.711-0.831
Freon 114	1.76	3.27	0.538	ok	0.538	0.478-0.598
Freon 115	1.62	3.27	0.495	ok	0.494	0.434-0.554
Freon 123	2.10	3.27	0.642	ok	0.643	0.583-0.703
Freon 123A	2.12	3.27	0.648	ok	0.649	0.589-0.709
Freon 142B	1.72	3.27	0.526	ok	0.527	0.467-0.587
Freon 152A	1.65	3.27	0.505	ok	0.504	0.444-0.564
Heptane	5.53	4.55	1.215	ok	1.216	1.156-1.276
Hexachlorobutadiene	18.66	10.12	1.844	ok	1.843	1.783-1.903
Hexachloroethane	17.60	10.12	1.739	ok	1.739	1.679-1.799
Hexane	3.32	3.27	1.015	ok	1.015	0.955-1.075
2-Hexanone	7.89	4.55	1.734	ok	1.729	1.669-1.789
Iodomethane	2.36	3.27	0.722	ok	0.722	0.662-0.782
Isopropylbenzene	13.96	10.12	1.379	ok	1.379	1.319-1.439
Isopropyl Alcohol	2.23	3.27	0.682	ok	0.679	0.619-0.739
p-Isopropyltoluene	17.07	10.12	1.687	ok	1.686	1.626-1.746
Methylene chloride	2.42	3.27	0.740	ok	0.742	0.682-0.802
Methyl ethyl ketone	3.01	3.27	0.920	ok	0.919	0.859-0.979
Methyl Isobutyl Ketone	6.22	4.55	1.367	ok	1.360	1.300-1.420
Methyl Tert Butyl Ether	2.87	3.27	0.878	ok	0.877	0.817-0.937
Methylmethacrylate	5.44	4.55	1.196	ok	1.195	1.135-1.255
Naphthalene	18.40	10.12	1.818	ok	1.818	1.758-1.878
Nonane	13.56	10.12	1.340	ok	1.340	1.280-1.400
Octane	9.14	4.55	2.009	ok	2.009	1.949-2.069
Pentane	2.30	3.27	0.703	ok	0.704	0.644-0.764

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	Reporting this level
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
n-Propylbenzene	15.31	10.12	1.513	ok	1.512	1.452-1.572
Propylene	1.67	3.27	0.511	ok	0.511	0.451-0.571
Styrene	12.23	10.12	1.208	ok	1.208	1.148-1.268
1,1,1-Trichloroethane	3.91	3.27	1.196	ok	1.196	1.136-1.256
1,1,1,2-Tetrachloroethane	10.21	10.12	1.009	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	12.45	10.12	1.230	ok	1.231	1.171-1.291
1,1,2-Trichloroethane	6.89	4.55	1.514	ok	1.515	1.455-1.575
1,2,4-Trichlorobenzene	18.35	10.12	1.813	ok	1.813	1.753-1.873
1,2,3-Trichloropropane	12.74	10.12	1.259	ok	1.259	1.199-1.319
1,2,3-Trimethylbenzene	16.99	10.12	1.679	ok	1.679	1.619-1.739
1,2,4-Trimethylbenzene	16.58	10.12	1.638	ok	1.638	1.578-1.698
1,3,5-Trimethylbenzene	15.99	10.12	1.580	ok	1.581	1.521-1.641
2,2,4-Trimethylpentane	5.22	4.55	1.147	ok	1.147	1.087-1.207
Tertiary Butyl Alcohol	2.45	3.27	0.749	ok	0.743	0.683-0.803
Tetrachloroethylene	8.99	4.55	1.976	ok	1.977	1.917-2.037
Tetrahydrofuran	3.58	3.27	1.095	ok	1.091	1.031-1.151
Toluene	7.26	4.55	1.596	ok	1.596	1.536-1.656
Trichloroethylene	5.12	4.55	1.125	ok	1.126	1.066-1.186
Trichlorofluoromethane	2.19	3.27	0.670	ok	0.669	0.609-0.729
Vinyl chloride	1.79	3.27	0.547	ok	0.547	0.487-0.607
Vinyl Acetate	2.91	3.27	0.890	ok	0.888	0.828-0.948
m,p-Xylene	11.50	10.12	1.136	ok	1.137	1.077-1.197
o-Xylene	12.45	10.12	1.230	ok	1.229	1.169-1.289
TVHC As Equiv Pentane	2.30	10.12	0.227	ok	0.227	0.167-0.287

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.27	ok	3.27	2.94-3.60	81591	ok	80511	48307-112715
1,4-Difluorobenzene	4.55	ok	4.55	4.22-4.88	417480	ok	406483	243890-569076
Chlorobenzene-D5	10.12	ok	10.12	9.79-10.45	367012	ok	359712	215827-503597

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	Reporting this level
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.14	3.27	0.654	ok	0.653	0.593-0.713
Acrolein	2.09	3.27	0.639	ok	0.640	0.580-0.700
Acrylonitrile	2.27	3.27	0.694	ok	0.696	0.636-0.756
Acetonitrile	2.05	3.27	0.627	ok	0.627	0.567-0.687
1,3-Butadiene	1.83	3.27	0.560	ok	0.560	0.500-0.620
Benzene	4.22	3.27	1.291	ok	1.293	1.233-1.353
Bromobenzene	13.82	10.12	1.366	ok	1.366	1.306-1.426
Bromodichloromethane	5.07	4.55	1.114	ok	1.114	1.054-1.174
Bromoform	11.32	10.12	1.119	ok	1.118	1.058-1.178
Bromomethane	1.91	3.27	0.584	ok	0.584	0.524-0.644
Bromoethene	2.06	3.27	0.630	ok	0.630	0.570-0.690
n-Butane	1.85	3.27	0.566	ok	0.566	0.506-0.626
Benzyl Chloride	16.67	10.12	1.647	ok	1.647	1.587-1.707
n-Butylbenzene	17.42	10.12	1.721	ok	1.722	1.662-1.782
sec-Butylbenzene	16.87	10.12	1.667	ok	1.667	1.607-1.727
tert-Butylbenzene	16.57	10.12	1.637	ok	1.637	1.577-1.697
Carbon disulfide	2.52	3.27	0.771	ok	0.771	0.711-0.831
Chlorobenzene	10.20	10.12	1.008	ok	1.008	0.948-1.068
Chlorodifluoromethane	1.66	3.27	0.508	ok	0.508	0.448-0.568
Chloroethane	1.96	3.27	0.599	ok	0.599	0.539-0.659
Chlorotrifluoroethene	1.67	3.27	0.511	ok	0.511	0.451-0.571
Chloroform	3.34	3.27	1.021	ok	1.022	0.962-1.082
Chloromethane	1.73	3.27	0.529	ok	0.529	0.469-0.589
3-Chloropropene	2.47	3.27	0.755	ok	0.755	0.695-0.815
2-Chlorotoluene	14.95	10.12	1.477	ok	1.477	1.417-1.537
Carbon tetrachloride	4.33	3.27	1.324	ok	1.326	1.266-1.386
Cyclohexane	4.43	4.55	0.974	ok	0.974	0.914-1.034
1,1-Dichloroethane	2.83	3.27	0.865	ok	0.865	0.805-0.925
1,1-Dichloroethylene	2.39	3.27	0.731	ok	0.731	0.671-0.791
1,2-Dibromoethane (EDB)	8.13	4.55	1.787	ok	1.789	1.729-1.849
1,2-Dichloroethane	3.75	3.27	1.147	ok	1.147	1.087-1.207
1,2-Dichloropropane	4.89	4.55	1.075	ok	1.074	1.014-1.134
1,3-Dichloropropane	7.32	4.55	1.609	ok	1.609	1.549-1.669
1,4-Dioxane	5.21	4.55	1.145	ok	1.137	1.077-1.197
Dichlorodifluoromethane	1.69	3.27	0.517	ok	0.517	0.457-0.577
Dichlorofluoromethane	1.98	3.27	0.606	ok	0.606	0.546-0.666
Dibromochloromethane	7.79	4.55	1.712	ok	1.713	1.653-1.773
Dibromomethane	4.85	4.55	1.066	ok	1.066	1.006-1.126
trans-1,2-Dichloroethylene	2.75	3.27	0.841	ok	0.841	0.781-0.901

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	Reporting this level
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.19	3.27	0.976	ok	0.976	0.916-1.036
cis-1,3-Dichloropropene	6.06	4.55	1.332	ok	1.332	1.272-1.392
m-Dichlorobenzene	16.64	10.12	1.644	ok	1.644	1.584-1.704
o-Dichlorobenzene	17.04	10.12	1.684	ok	1.684	1.624-1.744
p-Dichlorobenzene	16.73	10.12	1.653	ok	1.653	1.593-1.713
trans-1,3-Dichloropropene	6.74	4.55	1.481	ok	1.481	1.421-1.541
Di-Isopropyl ether	3.34	3.27	1.021	ok	1.020	0.960-1.080
2,3-Dimethylpentane	4.69	4.55	1.031	ok	1.030	0.970-1.090
2,4-Dimethylpentane	3.83	3.27	1.171	ok	1.173	1.113-1.233
Ethanol	1.99	3.27	0.609	ok	0.610	0.550-0.670
Ethylbenzene	11.08	10.12	1.095	ok	1.095	1.035-1.155
Ethyl Acetate	3.34	3.27	1.021	ok	1.020	0.960-1.080
Ethyl Acrylate	5.02	4.55	1.103	ok	1.103	1.043-1.163
4-Ethyltoluene	15.75	10.12	1.556	ok	1.555	1.495-1.615
Freon 113	2.52	3.27	0.771	ok	0.771	0.711-0.831
Freon 114	1.76	3.27	0.538	ok	0.538	0.478-0.598
Freon 115	1.61	3.27	0.492	ok	0.494	0.434-0.554
Freon 123	2.10	3.27	0.642	ok	0.643	0.583-0.703
Freon 123A	2.12	3.27	0.648	ok	0.649	0.589-0.709
Freon 142B	1.72	3.27	0.526	ok	0.527	0.467-0.587
Freon 152A	1.64	3.27	0.502	ok	0.504	0.444-0.564
Heptane	5.53	4.55	1.215	ok	1.216	1.156-1.276
Hexachlorobutadiene	18.66	10.12	1.844	ok	1.843	1.783-1.903
Hexachloroethane	17.60	10.12	1.739	ok	1.739	1.679-1.799
Hexane	3.32	3.27	1.015	ok	1.015	0.955-1.075
2-Hexanone	7.88	4.55	1.732	ok	1.729	1.669-1.789
Iodomethane	2.36	3.27	0.722	ok	0.722	0.662-0.782
Isopropylbenzene	13.95	10.12	1.378	ok	1.379	1.319-1.439
Isopropyl Alcohol	2.23	3.27	0.682	ok	0.679	0.619-0.739
p-Isopropyltoluene	17.06	10.12	1.686	ok	1.686	1.626-1.746
Methylene chloride	2.42	3.27	0.740	ok	0.742	0.682-0.802
Methyl ethyl ketone	3.01	3.27	0.920	ok	0.919	0.859-0.979
Methyl Isobutyl Ketone	6.20	4.55	1.363	ok	1.360	1.300-1.420
Methyl Tert Butyl Ether	2.87	3.27	0.878	ok	0.877	0.817-0.937
Methylmethacrylate	5.44	4.55	1.196	ok	1.195	1.135-1.255
Naphthalene	18.40	10.12	1.818	ok	1.818	1.758-1.878
Nonane	13.56	10.12	1.340	ok	1.340	1.280-1.400
Octane	9.14	4.55	2.009	ok	2.009	1.949-2.069
Pentane	2.30	3.27	0.703	ok	0.704	0.644-0.764

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	Reporting this level
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
n-Propylbenzene	15.30	10.12	1.512	ok	1.512	1.452-1.572
Propylene	1.67	3.27	0.511	ok	0.511	0.451-0.571
Styrene	12.23	10.12	1.208	ok	1.208	1.148-1.268
1,1,1-Trichloroethane	3.91	3.27	1.196	ok	1.196	1.136-1.256
1,1,1,2-Tetrachloroethane	10.20	10.12	1.008	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	12.45	10.12	1.230	ok	1.231	1.171-1.291
1,1,2-Trichloroethane	6.89	4.55	1.514	ok	1.515	1.455-1.575
1,2,4-Trichlorobenzene	18.35	10.12	1.813	ok	1.813	1.753-1.873
1,2,3-Trichloropropane	12.74	10.12	1.259	ok	1.259	1.199-1.319
1,2,3-Trimethylbenzene	16.99	10.12	1.679	ok	1.679	1.619-1.739
1,2,4-Trimethylbenzene	16.58	10.12	1.638	ok	1.638	1.578-1.698
1,3,5-Trimethylbenzene	15.99	10.12	1.580	ok	1.581	1.521-1.641
2,2,4-Trimethylpentane	5.21	4.55	1.145	ok	1.147	1.087-1.207
Tertiary Butyl Alcohol	2.44	3.27	0.746	ok	0.743	0.683-0.803
Tetrachloroethylene	9.00	4.55	1.978	ok	1.977	1.917-2.037
Tetrahydrofuran	3.58	3.27	1.095	ok	1.091	1.031-1.151
Toluene	7.26	4.55	1.596	ok	1.596	1.536-1.656
Trichloroethylene	5.12	4.55	1.125	ok	1.126	1.066-1.186
Trichlorofluoromethane	2.18	3.27	0.667	ok	0.669	0.609-0.729
Vinyl chloride	1.79	3.27	0.547	ok	0.547	0.487-0.607
Vinyl Acetate	2.90	3.27	0.887	ok	0.888	0.828-0.948
m,p-Xylene	11.51	10.12	1.137	ok	1.137	1.077-1.197
o-Xylene	12.44	10.12	1.229	ok	1.229	1.169-1.289
TVHC As Equiv Pentane	2.30	10.12	0.227	ok	0.227	0.167-0.287

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.27	ok	3.27	2.94-3.60	79966	ok	80511	48307-112715
1,4-Difluorobenzene	4.55	ok	4.55	4.22-4.88	410941	ok	406483	243890-569076
Chlorobenzene-D5	10.12	ok	10.12	9.79-10.45	362110	ok	359712	215827-503597

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	Reporting this level
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.14	3.27	0.654	ok	0.653	0.593-0.713
Acrolein	2.09	3.27	0.639	ok	0.640	0.580-0.700
Acrylonitrile	2.28	3.27	0.697	ok	0.696	0.636-0.756
Acetonitrile	2.05	3.27	0.627	ok	0.627	0.567-0.687
1,3-Butadiene	1.83	3.27	0.560	ok	0.560	0.500-0.620
Benzene	4.23	3.27	1.294	ok	1.293	1.233-1.353
Bromobenzene	13.82	10.12	1.366	ok	1.366	1.306-1.426
Bromodichloromethane	5.07	4.55	1.114	ok	1.114	1.054-1.174
Bromoform	11.32	10.12	1.119	ok	1.118	1.058-1.178
Bromomethane	1.91	3.27	0.584	ok	0.584	0.524-0.644
Bromoethene	2.06	3.27	0.630	ok	0.630	0.570-0.690
n-Butane	1.85	3.27	0.566	ok	0.566	0.506-0.626
Benzyl Chloride	16.67	10.12	1.647	ok	1.647	1.587-1.707
n-Butylbenzene	17.42	10.12	1.721	ok	1.722	1.662-1.782
sec-Butylbenzene	16.87	10.12	1.667	ok	1.667	1.607-1.727
tert-Butylbenzene	16.57	10.12	1.637	ok	1.637	1.577-1.697
Carbon disulfide	2.52	3.27	0.771	ok	0.771	0.711-0.831
Chlorobenzene	10.20	10.12	1.008	ok	1.008	0.948-1.068
Chlorodifluoromethane	1.66	3.27	0.508	ok	0.508	0.448-0.568
Chloroethane	1.96	3.27	0.599	ok	0.599	0.539-0.659
Chlorotrifluoroethene	1.67	3.27	0.511	ok	0.511	0.451-0.571
Chloroform	3.34	3.27	1.021	ok	1.022	0.962-1.082
Chloromethane	1.73	3.27	0.529	ok	0.529	0.469-0.589
3-Chloropropene	2.47	3.27	0.755	ok	0.755	0.695-0.815
2-Chlorotoluene	14.95	10.12	1.477	ok	1.477	1.417-1.537
Carbon tetrachloride	4.34	3.27	1.327	ok	1.326	1.266-1.386
Cyclohexane	4.43	4.55	0.974	ok	0.974	0.914-1.034
1,1-Dichloroethane	2.83	3.27	0.865	ok	0.865	0.805-0.925
1,1-Dichloroethylene	2.39	3.27	0.731	ok	0.731	0.671-0.791
1,2-Dibromoethane (EDB)	8.14	4.55	1.789	ok	1.789	1.729-1.849
1,2-Dichloroethane	3.75	3.27	1.147	ok	1.147	1.087-1.207
1,2-Dichloropropane	4.89	4.55	1.075	ok	1.074	1.014-1.134
1,3-Dichloropropane	7.32	4.55	1.609	ok	1.609	1.549-1.669
1,4-Dioxane	5.16	4.55	1.134	ok	1.137	1.077-1.197
Dichlorodifluoromethane	1.69	3.27	0.517	ok	0.517	0.457-0.577
Dichlorofluoromethane	1.98	3.27	0.606	ok	0.606	0.546-0.666
Dibromochloromethane	7.79	4.55	1.712	ok	1.713	1.653-1.773
Dibromomethane	4.85	4.55	1.066	ok	1.066	1.006-1.126
trans-1,2-Dichloroethylene	2.75	3.27	0.841	ok	0.841	0.781-0.901

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	Reporting this level
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.19	3.27	0.976	ok	0.976	0.916-1.036
cis-1,3-Dichloropropene	6.06	4.55	1.332	ok	1.332	1.272-1.392
m-Dichlorobenzene	16.64	10.12	1.644	ok	1.644	1.584-1.704
o-Dichlorobenzene	17.04	10.12	1.684	ok	1.684	1.624-1.744
p-Dichlorobenzene	16.73	10.12	1.653	ok	1.653	1.593-1.713
trans-1,3-Dichloropropene	6.73	4.55	1.479	ok	1.481	1.421-1.541
Di-Isopropyl ether	3.33	3.27	1.018	ok	1.020	0.960-1.080
2,3-Dimethylpentane	4.69	4.55	1.031	ok	1.030	0.970-1.090
2,4-Dimethylpentane	3.83	3.27	1.171	ok	1.173	1.113-1.233
Ethanol	1.99	3.27	0.609	ok	0.610	0.550-0.670
Ethylbenzene	11.08	10.12	1.095	ok	1.095	1.035-1.155
Ethyl Acetate	3.33	3.27	1.018	ok	1.020	0.960-1.080
Ethyl Acrylate	5.01	4.55	1.101	ok	1.103	1.043-1.163
4-Ethyltoluene	15.74	10.12	1.555	ok	1.555	1.495-1.615
Freon 113	2.52	3.27	0.771	ok	0.771	0.711-0.831
Freon 114	1.76	3.27	0.538	ok	0.538	0.478-0.598
Freon 115	1.62	3.27	0.495	ok	0.494	0.434-0.554
Freon 123	2.11	3.27	0.645	ok	0.643	0.583-0.703
Freon 123A	2.12	3.27	0.648	ok	0.649	0.589-0.709
Freon 142B	1.73	3.27	0.529	ok	0.527	0.467-0.587
Freon 152A	1.65	3.27	0.505	ok	0.504	0.444-0.564
Heptane	5.53	4.55	1.215	ok	1.216	1.156-1.276
Hexachlorobutadiene	18.66	10.12	1.844	ok	1.843	1.783-1.903
Hexachloroethane	17.60	10.12	1.739	ok	1.739	1.679-1.799
Hexane	3.32	3.27	1.015	ok	1.015	0.955-1.075
2-Hexanone	7.86	4.55	1.727	ok	1.729	1.669-1.789
Iodomethane	2.36	3.27	0.722	ok	0.722	0.662-0.782
Isopropylbenzene	13.95	10.12	1.378	ok	1.379	1.319-1.439
Isopropyl Alcohol	2.22	3.27	0.679	ok	0.679	0.619-0.739
p-Isopropyltoluene	17.06	10.12	1.686	ok	1.686	1.626-1.746
Methylene chloride	2.43	3.27	0.743	ok	0.742	0.682-0.802
Methyl ethyl ketone	3.00	3.27	0.917	ok	0.919	0.859-0.979
Methyl Isobutyl Ketone	6.18	4.55	1.358	ok	1.360	1.300-1.420
Methyl Tert Butyl Ether	2.87	3.27	0.878	ok	0.877	0.817-0.937
Methylmethacrylate	5.43	4.55	1.193	ok	1.195	1.135-1.255
Naphthalene	18.40	10.12	1.818	ok	1.818	1.758-1.878
Nonane	13.56	10.12	1.340	ok	1.340	1.280-1.400
Octane	9.14	4.55	2.009	ok	2.009	1.949-2.069
Pentane	2.30	3.27	0.703	ok	0.704	0.644-0.764

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	Reporting this level
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
n-Propylbenzene	15.30	10.12	1.512	ok	1.512	1.452-1.572
Propylene	1.67	3.27	0.511	ok	0.511	0.451-0.571
Styrene	12.23	10.12	1.208	ok	1.208	1.148-1.268
1,1,1-Trichloroethane	3.91	3.27	1.196	ok	1.196	1.136-1.256
1,1,1,2-Tetrachloroethane	10.21	10.12	1.009	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	12.45	10.12	1.230	ok	1.231	1.171-1.291
1,1,2-Trichloroethane	6.89	4.55	1.514	ok	1.515	1.455-1.575
1,2,4-Trichlorobenzene	18.35	10.12	1.813	ok	1.813	1.753-1.873
1,2,3-Trichloropropane	12.74	10.12	1.259	ok	1.259	1.199-1.319
1,2,3-Trimethylbenzene	16.99	10.12	1.679	ok	1.679	1.619-1.739
1,2,4-Trimethylbenzene	16.58	10.12	1.638	ok	1.638	1.578-1.698
1,3,5-Trimethylbenzene	16.00	10.12	1.581	ok	1.581	1.521-1.641
2,2,4-Trimethylpentane	5.22	4.55	1.147	ok	1.147	1.087-1.207
Tertiary Butyl Alcohol	2.43	3.27	0.743	ok	0.743	0.683-0.803
Tetrachloroethylene	8.99	4.55	1.976	ok	1.977	1.917-2.037
Tetrahydrofuran	3.56	3.27	1.089	ok	1.091	1.031-1.151
Toluene	7.26	4.55	1.596	ok	1.596	1.536-1.656
Trichloroethylene	5.12	4.55	1.125	ok	1.126	1.066-1.186
Trichlorofluoromethane	2.19	3.27	0.670	ok	0.669	0.609-0.729
Vinyl chloride	1.79	3.27	0.547	ok	0.547	0.487-0.607
Vinyl Acetate	2.90	3.27	0.887	ok	0.888	0.828-0.948
m,p-Xylene	11.50	10.12	1.136	ok	1.137	1.077-1.197
o-Xylene	12.44	10.12	1.229	ok	1.229	1.169-1.289
TVHC As Equiv Pentane	2.30	10.12	0.227	ok	0.227	0.167-0.287

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.27	ok	3.27	2.94-3.60	81466	ok	80511	48307-112715
1,4-Difluorobenzene	4.55	ok	4.55	4.22-4.88	410025	ok	406483	243890-569076
Chlorobenzene-D5	10.12	ok	10.12	9.79-10.45	361102	ok	359712	215827-503597

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	Reporting this level
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.13	3.27	0.651	ok	0.653	0.593-0.713
Acrolein	2.09	3.27	0.639	ok	0.640	0.580-0.700
Acrylonitrile	2.27	3.27	0.694	ok	0.696	0.636-0.756
Acetonitrile	2.05	3.27	0.627	ok	0.627	0.567-0.687
1,3-Butadiene	1.83	3.27	0.560	ok	0.560	0.500-0.620
Benzene	4.23	3.27	1.294	ok	1.293	1.233-1.353
Bromobenzene	13.82	10.12	1.366	ok	1.366	1.306-1.426
Bromodichloromethane	5.07	4.55	1.114	ok	1.114	1.054-1.174
Bromoform	11.32	10.12	1.119	ok	1.118	1.058-1.178
Bromomethane	1.91	3.27	0.584	ok	0.584	0.524-0.644
Bromoethene	2.06	3.27	0.630	ok	0.630	0.570-0.690
n-Butane	1.85	3.27	0.566	ok	0.566	0.506-0.626
Benzyl Chloride	16.67	10.12	1.647	ok	1.647	1.587-1.707
n-Butylbenzene	17.42	10.12	1.721	ok	1.722	1.662-1.782
sec-Butylbenzene	16.87	10.12	1.667	ok	1.667	1.607-1.727
tert-Butylbenzene	16.57	10.12	1.637	ok	1.637	1.577-1.697
Carbon disulfide	2.52	3.27	0.771	ok	0.771	0.711-0.831
Chlorobenzene	10.20	10.12	1.008	ok	1.008	0.948-1.068
Chlorodifluoromethane	1.66	3.27	0.508	ok	0.508	0.448-0.568
Chloroethane	1.96	3.27	0.599	ok	0.599	0.539-0.659
Chlorotrifluoroethene	1.67	3.27	0.511	ok	0.511	0.451-0.571
Chloroform	3.34	3.27	1.021	ok	1.022	0.962-1.082
Chloromethane	1.73	3.27	0.529	ok	0.529	0.469-0.589
3-Chloropropene	2.47	3.27	0.755	ok	0.755	0.695-0.815
2-Chlorotoluene	14.95	10.12	1.477	ok	1.477	1.417-1.537
Carbon tetrachloride	4.33	3.27	1.324	ok	1.326	1.266-1.386
Cyclohexane	4.43	4.55	0.974	ok	0.974	0.914-1.034
1,1-Dichloroethane	2.83	3.27	0.865	ok	0.865	0.805-0.925
1,1-Dichloroethylene	2.39	3.27	0.731	ok	0.731	0.671-0.791
1,2-Dibromoethane (EDB)	8.14	4.55	1.789	ok	1.789	1.729-1.849
1,2-Dichloroethane	3.75	3.27	1.147	ok	1.147	1.087-1.207
1,2-Dichloropropane	4.89	4.55	1.075	ok	1.074	1.014-1.134
1,3-Dichloropropane	7.32	4.55	1.609	ok	1.609	1.549-1.669
1,4-Dioxane	5.15	4.55	1.132	ok	1.137	1.077-1.197
Dichlorodifluoromethane	1.69	3.27	0.517	ok	0.517	0.457-0.577
Dichlorofluoromethane	1.98	3.27	0.606	ok	0.606	0.546-0.666
Dibromochloromethane	7.80	4.55	1.714	ok	1.713	1.653-1.773
Dibromomethane	4.85	4.55	1.066	ok	1.066	1.006-1.126
trans-1,2-Dichloroethylene	2.75	3.27	0.841	ok	0.841	0.781-0.901

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	Reporting this level
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.19	3.27	0.976	ok	0.976	0.916-1.036
cis-1,3-Dichloropropene	6.06	4.55	1.332	ok	1.332	1.272-1.392
m-Dichlorobenzene	16.64	10.12	1.644	ok	1.644	1.584-1.704
o-Dichlorobenzene	17.04	10.12	1.684	ok	1.684	1.624-1.744
p-Dichlorobenzene	16.73	10.12	1.653	ok	1.653	1.593-1.713
trans-1,3-Dichloropropene	6.74	4.55	1.481	ok	1.481	1.421-1.541
Di-Isopropyl ether	3.33	3.27	1.018	ok	1.020	0.960-1.080
2,3-Dimethylpentane	4.69	4.55	1.031	ok	1.030	0.970-1.090
2,4-Dimethylpentane	3.83	3.27	1.171	ok	1.173	1.113-1.233
Ethanol	1.99	3.27	0.609	ok	0.610	0.550-0.670
Ethylbenzene	11.08	10.12	1.095	ok	1.095	1.035-1.155
Ethyl Acetate	3.33	3.27	1.018	ok	1.020	0.960-1.080
Ethyl Acrylate	5.01	4.55	1.101	ok	1.103	1.043-1.163
4-Ethyltoluene	15.74	10.12	1.555	ok	1.555	1.495-1.615
Freon 113	2.52	3.27	0.771	ok	0.771	0.711-0.831
Freon 114	1.76	3.27	0.538	ok	0.538	0.478-0.598
Freon 115	1.62	3.27	0.495	ok	0.494	0.434-0.554
Freon 123	2.10	3.27	0.642	ok	0.643	0.583-0.703
Freon 123A	2.12	3.27	0.648	ok	0.649	0.589-0.709
Freon 142B	1.72	3.27	0.526	ok	0.527	0.467-0.587
Freon 152A	1.65	3.27	0.505	ok	0.504	0.444-0.564
Heptane	5.53	4.55	1.215	ok	1.216	1.156-1.276
Hexachlorobutadiene	18.66	10.12	1.844	ok	1.843	1.783-1.903
Hexachloroethane	17.60	10.12	1.739	ok	1.739	1.679-1.799
Hexane	3.32	3.27	1.015	ok	1.015	0.955-1.075
2-Hexanone	7.85	4.55	1.725	ok	1.729	1.669-1.789
Iodomethane	2.36	3.27	0.722	ok	0.722	0.662-0.782
Isopropylbenzene	13.96	10.12	1.379	ok	1.379	1.319-1.439
Isopropyl Alcohol	2.21	3.27	0.676	ok	0.679	0.619-0.739
p-Isopropyltoluene	17.06	10.12	1.686	ok	1.686	1.626-1.746
Methylene chloride	2.43	3.27	0.743	ok	0.742	0.682-0.802
Methyl ethyl ketone	3.00	3.27	0.917	ok	0.919	0.859-0.979
Methyl Isobutyl Ketone	6.18	4.55	1.358	ok	1.360	1.300-1.420
Methyl Tert Butyl Ether	2.87	3.27	0.878	ok	0.877	0.817-0.937
Methylmethacrylate	5.43	4.55	1.193	ok	1.195	1.135-1.255
Naphthalene	18.40	10.12	1.818	ok	1.818	1.758-1.878
Nonane	13.57	10.12	1.341	ok	1.340	1.280-1.400
Octane	9.14	4.55	2.009	ok	2.009	1.949-2.069
Pentane	2.30	3.27	0.703	ok	0.704	0.644-0.764

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	Reporting this level
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
n-Propylbenzene	15.30	10.12	1.512	ok	1.512	1.452-1.572
Propylene	1.67	3.27	0.511	ok	0.511	0.451-0.571
Styrene	12.23	10.12	1.208	ok	1.208	1.148-1.268
1,1,1-Trichloroethane	3.91	3.27	1.196	ok	1.196	1.136-1.256
1,1,1,2-Tetrachloroethane	10.21	10.12	1.009	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	12.46	10.12	1.231	ok	1.231	1.171-1.291
1,1,2-Trichloroethane	6.89	4.55	1.514	ok	1.515	1.455-1.575
1,2,4-Trichlorobenzene	18.35	10.12	1.813	ok	1.813	1.753-1.873
1,2,3-Trichloropropane	12.74	10.12	1.259	ok	1.259	1.199-1.319
1,2,3-Trimethylbenzene	16.99	10.12	1.679	ok	1.679	1.619-1.739
1,2,4-Trimethylbenzene	16.58	10.12	1.638	ok	1.638	1.578-1.698
1,3,5-Trimethylbenzene	16.00	10.12	1.581	ok	1.581	1.521-1.641
2,2,4-Trimethylpentane	5.22	4.55	1.147	ok	1.147	1.087-1.207
Tertiary Butyl Alcohol	2.42	3.27	0.740	ok	0.743	0.683-0.803
Tetrachloroethylene	8.99	4.55	1.976	ok	1.977	1.917-2.037
Tetrahydrofuran	3.56	3.27	1.089	ok	1.091	1.031-1.151
Toluene	7.26	4.55	1.596	ok	1.596	1.536-1.656
Trichloroethylene	5.12	4.55	1.125	ok	1.126	1.066-1.186
Trichlorofluoromethane	2.19	3.27	0.670	ok	0.669	0.609-0.729
Vinyl chloride	1.79	3.27	0.547	ok	0.547	0.487-0.607
Vinyl Acetate	2.90	3.27	0.887	ok	0.888	0.828-0.948
m,p-Xylene	11.51	10.12	1.137	ok	1.137	1.077-1.197
o-Xylene	12.44	10.12	1.229	ok	1.229	1.169-1.289
TVHC As Equiv Pentane	2.30	10.12	0.227	ok	0.227	0.167-0.287

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.27	ok	3.27	2.94-3.60	76492	ok	80511	48307-112715
1,4-Difluorobenzene	4.55	ok	4.55	4.22-4.88	388370	ok	406483	243890-569076
Chlorobenzene-D5	10.12	ok	10.12	9.79-10.45	349697	ok	359712	215827-503597

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	Reporting this level
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.13	3.27	0.651	ok	0.653	0.593-0.713
Acrolein	2.09	3.27	0.639	ok	0.640	0.580-0.700
Acrylonitrile	2.27	3.27	0.694	ok	0.696	0.636-0.756
Acetonitrile	2.05	3.27	0.627	ok	0.627	0.567-0.687
1,3-Butadiene	1.83	3.27	0.560	ok	0.560	0.500-0.620
Benzene	4.23	3.27	1.294	ok	1.293	1.233-1.353
Bromobenzene	13.83	10.12	1.367	ok	1.366	1.306-1.426
Bromodichloromethane	5.07	4.55	1.114	ok	1.114	1.054-1.174
Bromoform	11.32	10.12	1.119	ok	1.118	1.058-1.178
Bromomethane	1.91	3.27	0.584	ok	0.584	0.524-0.644
Bromoethene	2.06	3.27	0.630	ok	0.630	0.570-0.690
n-Butane	1.85	3.27	0.566	ok	0.566	0.506-0.626
Benzyl Chloride	16.67	10.12	1.647	ok	1.647	1.587-1.707
n-Butylbenzene	17.43	10.12	1.722	ok	1.722	1.662-1.782
sec-Butylbenzene	16.88	10.12	1.668	ok	1.667	1.607-1.727
tert-Butylbenzene	16.57	10.12	1.637	ok	1.637	1.577-1.697
Carbon disulfide	2.52	3.27	0.771	ok	0.771	0.711-0.831
Chlorobenzene	10.20	10.12	1.008	ok	1.008	0.948-1.068
Chlorodifluoromethane	1.66	3.27	0.508	ok	0.508	0.448-0.568
Chloroethane	1.96	3.27	0.599	ok	0.599	0.539-0.659
Chlorotrifluoroethene	1.67	3.27	0.511	ok	0.511	0.451-0.571
Chloroform	3.34	3.27	1.021	ok	1.022	0.962-1.082
Chloromethane	1.73	3.27	0.529	ok	0.529	0.469-0.589
3-Chloropropene	2.47	3.27	0.755	ok	0.755	0.695-0.815
2-Chlorotoluene	14.96	10.12	1.478	ok	1.477	1.417-1.537
Carbon tetrachloride	4.34	3.27	1.327	ok	1.326	1.266-1.386
Cyclohexane	4.43	4.55	0.974	ok	0.974	0.914-1.034
1,1-Dichloroethane	2.83	3.27	0.865	ok	0.865	0.805-0.925
1,1-Dichloroethylene	2.39	3.27	0.731	ok	0.731	0.671-0.791
1,2-Dibromoethane (EDB)	8.14	4.55	1.789	ok	1.789	1.729-1.849
1,2-Dichloroethane	3.75	3.27	1.147	ok	1.147	1.087-1.207
1,2-Dichloropropane	4.89	4.55	1.075	ok	1.074	1.014-1.134
1,3-Dichloropropane	7.32	4.55	1.609	ok	1.609	1.549-1.669
1,4-Dioxane	5.14	4.55	1.130	ok	1.137	1.077-1.197
Dichlorodifluoromethane	1.69	3.27	0.517	ok	0.517	0.457-0.577
Dichlorofluoromethane	1.98	3.27	0.606	ok	0.606	0.546-0.666
Dibromochloromethane	7.80	4.55	1.714	ok	1.713	1.653-1.773
Dibromomethane	4.85	4.55	1.066	ok	1.066	1.006-1.126
trans-1,2-Dichloroethylene	2.75	3.27	0.841	ok	0.841	0.781-0.901

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	Reporting this level
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.19	3.27	0.976	ok	0.976	0.916-1.036
cis-1,3-Dichloropropene	6.06	4.55	1.332	ok	1.332	1.272-1.392
m-Dichlorobenzene	16.64	10.12	1.644	ok	1.644	1.584-1.704
o-Dichlorobenzene	17.05	10.12	1.685	ok	1.684	1.624-1.744
p-Dichlorobenzene	16.73	10.12	1.653	ok	1.653	1.593-1.713
trans-1,3-Dichloropropene	6.74	4.55	1.481	ok	1.481	1.421-1.541
Di-Isopropyl ether	3.33	3.27	1.018	ok	1.020	0.960-1.080
2,3-Dimethylpentane	4.69	4.55	1.031	ok	1.030	0.970-1.090
2,4-Dimethylpentane	3.84	3.27	1.174	ok	1.173	1.113-1.233
Ethanol	1.99	3.27	0.609	ok	0.610	0.550-0.670
Ethylbenzene	11.09	10.12	1.096	ok	1.095	1.035-1.155
Ethyl Acetate	3.33	3.27	1.018	ok	1.020	0.960-1.080
Ethyl Acrylate	5.01	4.55	1.101	ok	1.103	1.043-1.163
4-Ethyltoluene	15.75	10.12	1.556	ok	1.555	1.495-1.615
Freon 113	2.52	3.27	0.771	ok	0.771	0.711-0.831
Freon 114	1.76	3.27	0.538	ok	0.538	0.478-0.598
Freon 115	1.62	3.27	0.495	ok	0.494	0.434-0.554
Freon 123	2.10	3.27	0.642	ok	0.643	0.583-0.703
Freon 123A	2.12	3.27	0.648	ok	0.649	0.589-0.709
Freon 142B	1.72	3.27	0.526	ok	0.527	0.467-0.587
Freon 152A	1.65	3.27	0.505	ok	0.504	0.444-0.564
Heptane	5.53	4.55	1.215	ok	1.216	1.156-1.276
Hexachlorobutadiene	18.66	10.12	1.844	ok	1.843	1.783-1.903
Hexachloroethane	17.60	10.12	1.739	ok	1.739	1.679-1.799
Hexane	3.32	3.27	1.015	ok	1.015	0.955-1.075
2-Hexanone	7.85	4.55	1.725	ok	1.729	1.669-1.789
Iodomethane	2.36	3.27	0.722	ok	0.722	0.662-0.782
Isopropylbenzene	13.96	10.12	1.379	ok	1.379	1.319-1.439
Isopropyl Alcohol	2.21	3.27	0.676	ok	0.679	0.619-0.739
p-Isopropyltoluene	17.07	10.12	1.687	ok	1.686	1.626-1.746
Methylene chloride	2.43	3.27	0.743	ok	0.742	0.682-0.802
Methyl ethyl ketone	3.00	3.27	0.917	ok	0.919	0.859-0.979
Methyl Isobutyl Ketone	6.17	4.55	1.356	ok	1.360	1.300-1.420
Methyl Tert Butyl Ether	2.86	3.27	0.875	ok	0.877	0.817-0.937
Methylmethacrylate	5.43	4.55	1.193	ok	1.195	1.135-1.255
Naphthalene	18.40	10.12	1.818	ok	1.818	1.758-1.878
Nonane	13.57	10.12	1.341	ok	1.340	1.280-1.400
Octane	9.14	4.55	2.009	ok	2.009	1.949-2.069
Pentane	2.30	3.27	0.703	ok	0.704	0.644-0.764

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	Reporting this level
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
n-Propylbenzene	15.30	10.12	1.512	ok	1.512	1.452-1.572
Propylene	1.67	3.27	0.511	ok	0.511	0.451-0.571
Styrene	12.23	10.12	1.208	ok	1.208	1.148-1.268
1,1,1-Trichloroethane	3.91	3.27	1.196	ok	1.196	1.136-1.256
1,1,1,2-Tetrachloroethane	10.22	10.12	1.010	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	12.46	10.12	1.231	ok	1.231	1.171-1.291
1,1,2-Trichloroethane	6.90	4.55	1.516	ok	1.515	1.455-1.575
1,2,4-Trichlorobenzene	18.35	10.12	1.813	ok	1.813	1.753-1.873
1,2,3-Trichloropropane	12.74	10.12	1.259	ok	1.259	1.199-1.319
1,2,3-Trimethylbenzene	16.99	10.12	1.679	ok	1.679	1.619-1.739
1,2,4-Trimethylbenzene	16.58	10.12	1.638	ok	1.638	1.578-1.698
1,3,5-Trimethylbenzene	16.00	10.12	1.581	ok	1.581	1.521-1.641
2,2,4-Trimethylpentane	5.22	4.55	1.147	ok	1.147	1.087-1.207
Tertiary Butyl Alcohol	2.41	3.27	0.737	ok	0.743	0.683-0.803
Tetrachloroethylene	9.00	4.55	1.978	ok	1.977	1.917-2.037
Tetrahydrofuran	3.55	3.27	1.086	ok	1.091	1.031-1.151
Toluene	7.27	4.55	1.598	ok	1.596	1.536-1.656
Trichloroethylene	5.12	4.55	1.125	ok	1.126	1.066-1.186
Trichlorofluoromethane	2.19	3.27	0.670	ok	0.669	0.609-0.729
Vinyl chloride	1.79	3.27	0.547	ok	0.547	0.487-0.607
Vinyl Acetate	2.90	3.27	0.887	ok	0.888	0.828-0.948
m,p-Xylene	11.51	10.12	1.137	ok	1.137	1.077-1.197
o-Xylene	12.45	10.12	1.230	ok	1.229	1.169-1.289
TVHC As Equiv Pentane	2.30	10.12	0.227	ok	0.227	0.167-0.287

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.27	ok	3.27	2.94-3.60	78951	ok	80511	48307-112715
1,4-Difluorobenzene	4.55	ok	4.55	4.22-4.88	399337	ok	406483	243890-569076
Chlorobenzene-D5	10.12	ok	10.12	9.79-10.45	358279	ok	359712	215827-503597

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	Reporting this level
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.13	3.27	0.651	ok	0.653	0.593-0.713
Acrolein	2.09	3.27	0.639	ok	0.640	0.580-0.700
Acrylonitrile	2.27	3.27	0.694	ok	0.696	0.636-0.756
Acetonitrile	2.05	3.27	0.627	ok	0.627	0.567-0.687
1,3-Butadiene	1.83	3.27	0.560	ok	0.560	0.500-0.620
Benzene	4.23	3.27	1.294	ok	1.293	1.233-1.353
Bromobenzene	13.83	10.13	1.365	ok	1.366	1.306-1.426
Bromodichloromethane	5.07	4.55	1.114	ok	1.114	1.054-1.174
Bromoform	11.33	10.13	1.118	ok	1.118	1.058-1.178
Bromomethane	1.91	3.27	0.584	ok	0.584	0.524-0.644
Bromoethene	2.06	3.27	0.630	ok	0.630	0.570-0.690
n-Butane	1.85	3.27	0.566	ok	0.566	0.506-0.626
Benzyl Chloride	16.68	10.13	1.647	ok	1.647	1.587-1.707
n-Butylbenzene	17.43	10.13	1.721	ok	1.722	1.662-1.782
sec-Butylbenzene	16.88	10.13	1.666	ok	1.667	1.607-1.727
tert-Butylbenzene	16.58	10.13	1.637	ok	1.637	1.577-1.697
Carbon disulfide	2.52	3.27	0.771	ok	0.771	0.711-0.831
Chlorobenzene	10.21	10.13	1.008	ok	1.008	0.948-1.068
Chlorodifluoromethane	1.66	3.27	0.508	ok	0.508	0.448-0.568
Chloroethane	1.96	3.27	0.599	ok	0.599	0.539-0.659
Chlorotrifluoroethene	1.67	3.27	0.511	ok	0.511	0.451-0.571
Chloroform	3.34	3.27	1.021	ok	1.022	0.962-1.082
Chloromethane	1.73	3.27	0.529	ok	0.529	0.469-0.589
3-Chloropropene	2.47	3.27	0.755	ok	0.755	0.695-0.815
2-Chlorotoluene	14.96	10.13	1.477	ok	1.477	1.417-1.537
Carbon tetrachloride	4.34	3.27	1.327	ok	1.326	1.266-1.386
Cyclohexane	4.43	4.55	0.974	ok	0.974	0.914-1.034
1,1-Dichloroethane	2.83	3.27	0.865	ok	0.865	0.805-0.925
1,1-Dichloroethylene	2.39	3.27	0.731	ok	0.731	0.671-0.791
1,2-Dibromoethane (EDB)	8.15	4.55	1.791	ok	1.789	1.729-1.849
1,2-Dichloroethane	3.75	3.27	1.147	ok	1.147	1.087-1.207
1,2-Dichloropropane	4.89	4.55	1.075	ok	1.074	1.014-1.134
1,3-Dichloropropane	7.33	4.55	1.611	ok	1.609	1.549-1.669
1,4-Dioxane	5.14	4.55	1.130	ok	1.137	1.077-1.197
Dichlorodifluoromethane	1.69	3.27	0.517	ok	0.517	0.457-0.577
Dichlorofluoromethane	1.98	3.27	0.606	ok	0.606	0.546-0.666
Dibromochloromethane	7.80	4.55	1.714	ok	1.713	1.653-1.773
Dibromomethane	4.85	4.55	1.066	ok	1.066	1.006-1.126
trans-1,2-Dichloroethylene	2.75	3.27	0.841	ok	0.841	0.781-0.901

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	Reporting this level
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.19	3.27	0.976	ok	0.976	0.916-1.036
cis-1,3-Dichloropropene	6.06	4.55	1.332	ok	1.332	1.272-1.392
m-Dichlorobenzene	16.65	10.13	1.644	ok	1.644	1.584-1.704
o-Dichlorobenzene	17.05	10.13	1.683	ok	1.684	1.624-1.744
p-Dichlorobenzene	16.74	10.13	1.653	ok	1.653	1.593-1.713
trans-1,3-Dichloropropene	6.74	4.55	1.481	ok	1.481	1.421-1.541
Di-Isopropyl ether	3.33	3.27	1.018	ok	1.020	0.960-1.080
2,3-Dimethylpentane	4.69	4.55	1.031	ok	1.030	0.970-1.090
2,4-Dimethylpentane	3.84	3.27	1.174	ok	1.173	1.113-1.233
Ethanol	1.99	3.27	0.609	ok	0.610	0.550-0.670
Ethylbenzene	11.09	10.13	1.095	ok	1.095	1.035-1.155
Ethyl Acetate	3.33	3.27	1.018	ok	1.020	0.960-1.080
Ethyl Acrylate	5.01	4.55	1.101	ok	1.103	1.043-1.163
4-Ethyltoluene	15.75	10.13	1.555	ok	1.555	1.495-1.615
Freon 113	2.52	3.27	0.771	ok	0.771	0.711-0.831
Freon 114	1.76	3.27	0.538	ok	0.538	0.478-0.598
Freon 115	1.61	3.27	0.492	ok	0.494	0.434-0.554
Freon 123	2.10	3.27	0.642	ok	0.643	0.583-0.703
Freon 123A	2.12	3.27	0.648	ok	0.649	0.589-0.709
Freon 142B	1.72	3.27	0.526	ok	0.527	0.467-0.587
Freon 152A	1.65	3.27	0.505	ok	0.504	0.444-0.564
Heptane	5.54	4.55	1.218	ok	1.216	1.156-1.276
Hexachlorobutadiene	18.66	10.13	1.842	ok	1.843	1.783-1.903
Hexachloroethane	17.61	10.13	1.738	ok	1.739	1.679-1.799
Hexane	3.32	3.27	1.015	ok	1.015	0.955-1.075
2-Hexanone	7.85	4.55	1.725	ok	1.729	1.669-1.789
Iodomethane	2.36	3.27	0.722	ok	0.722	0.662-0.782
Isopropylbenzene	13.97	10.13	1.379	ok	1.379	1.319-1.439
Isopropyl Alcohol	2.21	3.27	0.676	ok	0.679	0.619-0.739
p-Isopropyltoluene	17.07	10.13	1.685	ok	1.686	1.626-1.746
Methylene chloride	2.43	3.27	0.743	ok	0.742	0.682-0.802
Methyl ethyl ketone	3.00	3.27	0.917	ok	0.919	0.859-0.979
Methyl Isobutyl Ketone	6.17	4.55	1.356	ok	1.360	1.300-1.420
Methyl Tert Butyl Ether	2.86	3.27	0.875	ok	0.877	0.817-0.937
Methylmethacrylate	5.43	4.55	1.193	ok	1.195	1.135-1.255
Naphthalene	18.40	10.13	1.816	ok	1.818	1.758-1.878
Nonane	13.58	10.13	1.341	ok	1.340	1.280-1.400
Octane	9.15	4.55	2.011	ok	2.009	1.949-2.069
Pentane	2.30	3.27	0.703	ok	0.704	0.644-0.764

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	Reporting this level
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
n-Propylbenzene	15.31	10.13	1.511	ok	1.512	1.452-1.572
Propylene	1.67	3.27	0.511	ok	0.511	0.451-0.571
Styrene	12.24	10.13	1.208	ok	1.208	1.148-1.268
1,1,1-Trichloroethane	3.92	3.27	1.199	ok	1.196	1.136-1.256
1,1,1,2-Tetrachloroethane	10.22	10.13	1.009	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	12.47	10.13	1.231	ok	1.231	1.171-1.291
1,1,2-Trichloroethane	6.90	4.55	1.516	ok	1.515	1.455-1.575
1,2,4-Trichlorobenzene	18.35	10.13	1.811	ok	1.813	1.753-1.873
1,2,3-Trichloropropane	12.75	10.13	1.259	ok	1.259	1.199-1.319
1,2,3-Trimethylbenzene	17.00	10.13	1.678	ok	1.679	1.619-1.739
1,2,4-Trimethylbenzene	16.59	10.13	1.638	ok	1.638	1.578-1.698
1,3,5-Trimethylbenzene	16.01	10.13	1.580	ok	1.581	1.521-1.641
2,2,4-Trimethylpentane	5.22	4.55	1.147	ok	1.147	1.087-1.207
Tertiary Butyl Alcohol	2.41	3.27	0.737	ok	0.743	0.683-0.803
Tetrachloroethylene	9.00	4.55	1.978	ok	1.977	1.917-2.037
Tetrahydrofuran	3.55	3.27	1.086	ok	1.091	1.031-1.151
Toluene	7.27	4.55	1.598	ok	1.596	1.536-1.656
Trichloroethylene	5.13	4.55	1.127	ok	1.126	1.066-1.186
Trichlorofluoromethane	2.19	3.27	0.670	ok	0.669	0.609-0.729
Vinyl chloride	1.79	3.27	0.547	ok	0.547	0.487-0.607
Vinyl Acetate	2.90	3.27	0.887	ok	0.888	0.828-0.948
m,p-Xylene	11.52	10.13	1.137	ok	1.137	1.077-1.197
o-Xylene	12.45	10.13	1.229	ok	1.229	1.169-1.289
TVHC As Equiv Pentane	2.30	10.13	0.227	ok	0.227	0.167-0.287

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.27	ok	3.27	2.94-3.60	77284	ok	80511	48307-112715
1,4-Difluorobenzene	4.55	ok	4.55	4.22-4.88	380992	ok	406483	243890-569076
Chlorobenzene-D5	10.13	ok	10.12	9.79-10.45	341287	ok	359712	215827-503597

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.13	3.27	0.651	ok	0.653	0.593-0.713
Acrolein	2.09	3.27	0.639	ok	0.640	0.580-0.700
Acrylonitrile	2.27	3.27	0.694	ok	0.696	0.636-0.756
Acetonitrile	2.05	3.27	0.627	ok	0.627	0.567-0.687
1,3-Butadiene	1.83	3.27	0.560	ok	0.560	0.500-0.620
Benzene	4.23	3.27	1.294	ok	1.293	1.233-1.353
Bromobenzene	13.84	10.13	1.366	ok	1.366	1.306-1.426
Bromodichloromethane	5.07	4.55	1.114	ok	1.114	1.054-1.174
Bromoform	11.33	10.13	1.118	ok	1.118	1.058-1.178
Bromomethane	1.91	3.27	0.584	ok	0.584	0.524-0.644
Bromoethene	2.06	3.27	0.630	ok	0.630	0.570-0.690
n-Butane	1.85	3.27	0.566	ok	0.566	0.506-0.626
Benzyl Chloride	16.68	10.13	1.647	ok	1.647	1.587-1.707
n-Butylbenzene	17.43	10.13	1.721	ok	1.722	1.662-1.782
sec-Butylbenzene	16.88	10.13	1.666	ok	1.667	1.607-1.727
tert-Butylbenzene	16.58	10.13	1.637	ok	1.637	1.577-1.697
Carbon disulfide	2.52	3.27	0.771	ok	0.771	0.711-0.831
Chlorobenzene	10.21	10.13	1.008	ok	1.008	0.948-1.068
Chlorodifluoromethane	1.66	3.27	0.508	ok	0.508	0.448-0.568
Chloroethane	1.96	3.27	0.599	ok	0.599	0.539-0.659
Chlorotrifluoroethene	1.67	3.27	0.511	ok	0.511	0.451-0.571
Chloroform	3.35	3.27	1.024	ok	1.022	0.962-1.082
Chloromethane	1.73	3.27	0.529	ok	0.529	0.469-0.589
3-Chloropropene	2.47	3.27	0.755	ok	0.755	0.695-0.815
2-Chlorotoluene	14.97	10.13	1.478	ok	1.477	1.417-1.537
Carbon tetrachloride	4.34	3.27	1.327	ok	1.326	1.266-1.386
Cyclohexane	4.43	4.55	0.974	ok	0.974	0.914-1.034
1,1-Dichloroethane	2.83	3.27	0.865	ok	0.865	0.805-0.925
1,1-Dichloroethylene	2.39	3.27	0.731	ok	0.731	0.671-0.791
1,2-Dibromoethane (EDB)	8.15	4.55	1.791	ok	1.789	1.729-1.849
1,2-Dichloroethane	3.75	3.27	1.147	ok	1.147	1.087-1.207
1,2-Dichloropropane	4.89	4.55	1.075	ok	1.074	1.014-1.134
1,3-Dichloropropane	7.33	4.55	1.611	ok	1.609	1.549-1.669
1,4-Dioxane	5.14	4.55	1.130	ok	1.137	1.077-1.197
Dichlorodifluoromethane	1.69	3.27	0.517	ok	0.517	0.457-0.577
Dichlorofluoromethane	1.98	3.27	0.606	ok	0.606	0.546-0.666
Dibromochloromethane	7.80	4.55	1.714	ok	1.713	1.653-1.773
Dibromomethane	4.86	4.55	1.068	ok	1.066	1.006-1.126
trans-1,2-Dichloroethylene	2.75	3.27	0.841	ok	0.841	0.781-0.901

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.19	3.27	0.976	ok	0.976	0.916-1.036
cis-1,3-Dichloropropene	6.06	4.55	1.332	ok	1.332	1.272-1.392
m-Dichlorobenzene	16.65	10.13	1.644	ok	1.644	1.584-1.704
o-Dichlorobenzene	17.05	10.13	1.683	ok	1.684	1.624-1.744
p-Dichlorobenzene	16.74	10.13	1.653	ok	1.653	1.593-1.713
trans-1,3-Dichloropropene	6.74	4.55	1.481	ok	1.481	1.421-1.541
Di-Isopropyl ether	3.33	3.27	1.018	ok	1.020	0.960-1.080
2,3-Dimethylpentane	4.69	4.55	1.031	ok	1.030	0.970-1.090
2,4-Dimethylpentane	3.84	3.27	1.174	ok	1.173	1.113-1.233
Ethanol	1.99	3.27	0.609	ok	0.610	0.550-0.670
Ethylbenzene	11.09	10.13	1.095	ok	1.095	1.035-1.155
Ethyl Acetate	3.33	3.27	1.018	ok	1.020	0.960-1.080
Ethyl Acrylate	5.01	4.55	1.101	ok	1.103	1.043-1.163
4-Ethyltoluene	15.76	10.13	1.556	ok	1.555	1.495-1.615
Freon 113	2.52	3.27	0.771	ok	0.771	0.711-0.831
Freon 114	1.76	3.27	0.538	ok	0.538	0.478-0.598
Freon 115	1.61	3.27	0.492	ok	0.494	0.434-0.554
Freon 123	2.10	3.27	0.642	ok	0.643	0.583-0.703
Freon 123A	2.12	3.27	0.648	ok	0.649	0.589-0.709
Freon 142B	1.72	3.27	0.526	ok	0.527	0.467-0.587
Freon 152A	1.65	3.27	0.505	ok	0.504	0.444-0.564
Heptane	5.54	4.55	1.218	ok	1.216	1.156-1.276
Hexachlorobutadiene	18.66	10.13	1.842	ok	1.843	1.783-1.903
Hexachloroethane	17.61	10.13	1.738	ok	1.739	1.679-1.799
Hexane	3.32	3.27	1.015	ok	1.015	0.955-1.075
2-Hexanone	7.85	4.55	1.725	ok	1.729	1.669-1.789
Iodomethane	2.36	3.27	0.722	ok	0.722	0.662-0.782
Isopropylbenzene	13.97	10.13	1.379	ok	1.379	1.319-1.439
Isopropyl Alcohol	2.21	3.27	0.676	ok	0.679	0.619-0.739
p-Isopropyltoluene	17.07	10.13	1.685	ok	1.686	1.626-1.746
Methylene chloride	2.43	3.27	0.743	ok	0.742	0.682-0.802
Methyl ethyl ketone	3.00	3.27	0.917	ok	0.919	0.859-0.979
Methyl Isobutyl Ketone	6.17	4.55	1.356	ok	1.360	1.300-1.420
Methyl Tert Butyl Ether	2.86	3.27	0.875	ok	0.877	0.817-0.937
Methylmethacrylate	5.43	4.55	1.193	ok	1.195	1.135-1.255
Naphthalene	18.40	10.13	1.816	ok	1.818	1.758-1.878
Nonane	13.58	10.13	1.341	ok	1.340	1.280-1.400
Octane	9.15	4.55	2.011	ok	2.009	1.949-2.069
Pentane	2.30	3.27	0.703	ok	0.704	0.644-0.764

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W305-IC305	7W07975.D	08/18/24 21:40	BK	0.04	GCMS7W	TO-15	
V7W305-IC305	7W07976.D	08/18/24 22:13	BK	0.10	GCMS7W	TO-15	
V7W305-IC305	7W07977.D	08/18/24 22:49	BK	0.20	GCMS7W	TO-15	
V7W305-IC305	7W07978.D	08/18/24 23:22	BK	0.50	GCMS7W	TO-15	
V7W305-IC305	7W07979.D	08/19/24 00:01	BK	5	GCMS7W	TO-15	
V7W305-ICC305	7W07980.D	08/19/24 00:35	BK	10	GCMS7W	TO-15	
V7W305-IC305	7W07981.D	08/19/24 01:10	BK	20	GCMS7W	TO-15	
V7W305-IC305	7W07982.D	08/19/24 01:48	BK	40	GCMS7W	TO-15	
V7W305-IC305	7W07983.D	08/19/24 02:28	BK	50	GCMS7W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
n-Propylbenzene	15.31	10.13	1.511	ok	1.512	1.452-1.572
Propylene	1.67	3.27	0.511	ok	0.511	0.451-0.571
Styrene	12.24	10.13	1.208	ok	1.208	1.148-1.268
1,1,1-Trichloroethane	3.92	3.27	1.199	ok	1.196	1.136-1.256
1,1,1,2-Tetrachloroethane	10.22	10.13	1.009	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	12.47	10.13	1.231	ok	1.231	1.171-1.291
1,1,2-Trichloroethane	6.90	4.55	1.516	ok	1.515	1.455-1.575
1,2,4-Trichlorobenzene	18.35	10.13	1.811	ok	1.813	1.753-1.873
1,2,3-Trichloropropane	12.75	10.13	1.259	ok	1.259	1.199-1.319
1,2,3-Trimethylbenzene	17.00	10.13	1.678	ok	1.679	1.619-1.739
1,2,4-Trimethylbenzene	16.59	10.13	1.638	ok	1.638	1.578-1.698
1,3,5-Trimethylbenzene	16.01	10.13	1.580	ok	1.581	1.521-1.641
2,2,4-Trimethylpentane	5.22	4.55	1.147	ok	1.147	1.087-1.207
Tertiary Butyl Alcohol	2.41	3.27	0.737	ok	0.743	0.683-0.803
Tetrachloroethylene	9.00	4.55	1.978	ok	1.977	1.917-2.037
Tetrahydrofuran	3.55	3.27	1.086	ok	1.091	1.031-1.151
Toluene	7.27	4.55	1.598	ok	1.596	1.536-1.656
Trichloroethylene	5.13	4.55	1.127	ok	1.126	1.066-1.186
Trichlorofluoromethane	2.19	3.27	0.670	ok	0.669	0.609-0.729
Vinyl chloride	1.79	3.27	0.547	ok	0.547	0.487-0.607
Vinyl Acetate	2.90	3.27	0.887	ok	0.888	0.828-0.948
m,p-Xylene	11.52	10.13	1.137	ok	1.137	1.077-1.197
o-Xylene	12.46	10.13	1.230	ok	1.229	1.169-1.289
TVHC As Equiv Pentane	2.30	10.13	0.227	ok	0.227	0.167-0.287

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.27	ok	3.27	2.94-3.60	78494	ok	80511	48307-112715
1,4-Difluorobenzene	4.55	ok	4.55	4.22-4.88	389657	ok	406483	243890-569076
Chlorobenzene-D5	10.13	ok	10.12	9.79-10.45	345790	ok	359712	215827-503597

Surrogate Recovery Summary

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Method: TO-15 **Matrix:** AIR

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1
JE2489-1	5W55829.D	127
JE2489-2	5W55786.D	112
JE2489-3	5W55788.D	113
JE2489-4	5W55789.D	111
JE2315-1DUP	5W55826.D	109
JE2665-1DUP	5W55785.D	113
V5W2136-BS	5W55779.D	101
V5W2136-BSD	5W55781.D	99
V5W2136-MB	5W55783.D	111
V5W2138-BS	5W55820.D	101
V5W2138-BSD	5W55821.D	100
V5W2138-MB	5W55823.D	109
V7W369-SCC	7W09977.D	94
V7W387-SCC	7W10605.D	85
V7W392-SCC	7W10777.D	100
V7W369-BS	7W09949.D	95
V7W369-BSD	7W09950.D	96
V7W369-MB	7W09952.D	95
V7W387-BS	7W10577.D	93
V7W387-BSD	7W10578.D	94
V7W387-MB	7W10580.D	88
V7W392-BS	7W10744.D	98
V7W392-BSD	7W10745.D	99
V7W392-MB	7W10747.D	94

Surrogate Compounds	Recovery Limits
S1 = 4-Bromofluorobenzene	65-128%

Initial Calibration Summary

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample: V5W2125-ICC2125
Lab FileID: 5W55466.D

Response Factor Report GCMS5W

Method : C:\msdchem\1\methods\M5w2125.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

Calibration Files
0.04=5w55459.D 0.1 =5w55460.D 0.2 =5w55461.D 0.5 =5w55463.D
5 =5w55464.D 10 =5w55466.D 20 =5w55467.D 40 =5w55468.D
50 =5w55469.D =

Compound	0.04	0.1	0.2	0.5	5	10	20	40	50	Avg	%RSD
1) I BROMOCHLOROMETHANE	----------ISTD----------										
2) FREON 115	1.494	1.548	1.299	1.657	0.642	1.669	1.274			1.369	26.06
3) FREON 152A	0.717	0.684	0.712	0.756	0.789	0.758	0.757	0.760	0.726	0.740	4.36
4) CHLORODIFLUOROMETHANE	0.279	0.341	0.371	0.394	0.410	0.406	0.414	0.428	0.410	0.384	12.27
5) CHLOROTRIFLUOROETHENE	1.677	1.542	1.642	1.717	1.772	1.742	1.780	1.866	1.846	1.732	5.86
6) DICHLORODIFLUOROMETHANE	3.513	3.536	3.550	3.840	3.911	3.777	3.705	3.640	3.418	3.654	4.52
7) PROPYLENE	1.224	1.033	0.862	0.907	0.898	0.861	0.861	0.849	0.788	0.920	14.31
8) 1-CHLORO-1,1-DIFLUOROETHANE	4.008	3.852	3.920	4.118	4.140	3.754	3.537	3.345	3.006	3.742	10.16
9) FREON 114	4.598	4.822	4.882	5.183	5.093	4.507	4.151	3.758	3.349	4.483	13.82
10) CHLOROMETHANE	0.398	0.543	0.544	0.546	0.525	0.463	0.435	0.413	0.375	0.471	14.66
11) VINYL CHLORIDE	1.756	1.727	1.812	1.894	1.887	1.639	1.511	1.406	1.304	1.659	12.74
12) 1,3-BUTADIENE	1.420	1.134	1.171	1.246	1.221	1.066	0.996	0.917	0.850	1.114	15.90
13) n-BUTANE	2.733	2.476	2.579	2.336	1.998	1.834	1.628	1.508		2.136	21.46
14) BROMOMETHANE	2.365	1.858	1.978	1.857	1.631	1.518	1.426	1.356		1.749	19.11
15) CHLOROETHANE	0.846	0.831	0.838	0.890	0.827	0.725	0.666	0.613	0.589	0.758	14.78
16) DICHLOROFLUOROMETHANE	4.518	4.122	4.054	4.299	4.145	3.576	3.289	2.965	2.768	3.748	16.61
17) ACETONITRILE	1.389	1.492	1.554	1.399	1.170	1.073	0.927	0.867		1.234	21.21
18) ACROLEIN	0.585	0.528	0.670	0.602	0.545	0.504	0.450	0.426		0.539	14.94
19) FREON 123	4.363	4.195	4.097	4.417	4.204	3.644	3.338	2.930	2.766	3.773	16.67
20) FREON 123A	2.136	2.135	2.173	2.278	2.198	1.969	1.835	1.696	1.633	2.006	11.66
21) TRICHLOROFLUOROMETHANE	3.235	3.373	3.388	3.743	3.622	3.391	3.312	3.257	3.072	3.377	5.98
22) ISOPROPYL ALCOHOL	2.807	2.426	2.240	1.968	2.127	2.047	1.877	1.627		2.140	16.83
23) ACETONE											

```
                    1.396 0.887 0.807 0.650 0.580 0.520         0.807   39.66
24)  PENTANE
          1.158 1.086 1.066 1.120 1.125 1.072 1.032 0.998 0.910   1.063    7.07
25)  IODOMETHANE
          2.569 2.613 2.606 2.878 2.919 2.955 2.917 2.964 2.934   2.817    5.97
26)  1,1-DICHLOROETHYLENE
          1.034 1.061 1.042 1.082 1.083 1.068 1.039 1.024 0.989   1.047    2.89
27)  CARBON DISULFIDE
          2.768 2.870 2.975 3.284 3.340 3.192 3.075 2.978 2.772   3.028    6.96
28)  ETHANOL
                         1.196 0.821 0.784 0.718 0.613 0.573   0.784   28.45
29)  BROMOETHENE
          1.456 1.481 1.563 1.690 1.665 1.516 1.423 1.332 1.280   1.490    9.22
30)  ACRYLONITRILE
                    1.768 0.744 0.807 0.673 0.649 0.638 0.587   0.838   49.71
31)  METHYLENE CHLORIDE
          1.174 1.115 1.079 1.161 1.090 1.020 0.970 0.937 0.893   1.049    9.49
32)  3-CHLOROPROPENE
          0.391 0.474 0.489 0.498 0.523 0.522 0.504 0.487 0.466   0.484    8.20
33)  FREON 113
          1.537 1.700 1.617 1.831 1.786 1.770 1.764 1.822 1.837   1.740    5.96
34)  TRANS-1,2-DICHLOROETHYLENE
          1.036 1.154 1.076 1.153 1.132 1.135 1.105 1.097 1.066   1.106    3.71
35)  TERTIARY BUTYL ALCOHOL
          1.734 1.833 1.823 2.144 2.079 2.269 2.216 2.116 1.901   2.013    9.58
36)  METHYL TERTIARY BUTYL ETHER
          2.586 2.482 2.471 2.912 3.070 3.107 3.054 2.981 2.851   2.835    9.02
37)  TETRAHYDROFURAN
               0.268 0.296 0.444 0.502 0.510 0.502 0.487 0.463   0.434   22.27
38)  HEXANE
          1.296 1.250 1.316 1.611 1.742 1.704 1.755 1.771 1.658   1.567   13.80
39)  VINYL ACETATE
                    0.064 0.147 0.204 0.201 0.211 0.216 0.211   0.179   31.12
40)  1,1-DICHLOROETHANE
          1.980 2.003 2.035 2.251 2.203 2.132 2.047 1.983 1.866   2.056    5.86
41)  METHYL ETHYL KETONE
               0.226 0.307 0.423 0.518 0.520 0.506 0.495 0.474   0.434   25.32
42)  cis-1,2-DICHLOROETHYLENE
          1.119 1.164 1.035 1.175 1.187 1.196 1.162 1.161 1.131   1.148    4.27
43)  DIISOPROPYL ETHER
               0.332 0.374 0.456 0.524 0.521 0.536 0.550 0.515   0.476   17.14
44)  ETHYL ACETATE
               0.149 0.238 0.333 0.367 0.378 0.372 0.373 0.350   0.320   25.97
45)  METHYL ACRYLATE
                    1.287 1.700 2.080 2.073 2.110 2.111 1.972   1.905   16.20
46)  CHLOROFORM
          2.397 2.484 2.543 2.896 2.724 2.637 2.549 2.497 2.378   2.567    6.38
47)  2,4-DIMETHYLPENTANE
          1.387 1.405 1.543 1.739 1.926 1.905 1.896 1.877 1.746   1.714   12.63
48)  1,1,1-TRICHLOROETHANE
          2.370 2.514 2.437 2.783 2.709 2.671 2.666 2.690 2.619   2.607    5.25
49)  CARBON TETRACHLORIDE
          2.346 2.488 2.550 2.864 2.899 2.882 2.913 2.946 2.904   2.755    8.25
50)  1,2-DICHLOROETHANE
          1.373 1.525 1.645 1.819 1.787 1.772 1.745 1.722 1.641   1.670    8.61

51) I   1,4-DIFLUOROBENZENE   ----------------ISTD----------------------
52)  BENZENE
          0.655 0.645 0.644 0.737 0.755 0.753 0.769 0.790 0.774   0.725    8.20
53)  CYCLOHEXANE
```

0.200 0.219 0.225 0.268 0.295 0.300 0.306 0.321 0.316 0.272 16.87

54) 2,3-DIMETHYLPENTANE
0.101 0.119 0.127 0.155 0.157 0.158 0.164 0.173 0.169 0.147 17.11

55) TRICHLOROETHYLENE
0.331 0.323 0.334 0.377 0.384 0.389 0.410 0.447 0.445 0.382 12.16

56) 1,2-DICHLOROPROPANE
0.286 0.277 0.285 0.308 0.316 0.310 0.323 0.339 0.325 0.308 6.82

57) DIBROMOMETHANE
0.426 0.344 0.344 0.324 0.336 0.350 0.376 0.422 0.444 0.374 12.09

58) ETHYL ACRYLATE
0.293 0.327 0.425 0.537 0.561 0.576 0.594 0.570 0.485 24.76

59) BROMODICHLOROMETHANE
0.528 0.553 0.564 0.687 0.693 0.702 0.732 0.780 0.764 0.667 14.17

60) 2,2,4-TRIMETHYLPENTANE
0.894 0.904 0.917 1.125 1.215 1.207 1.230 1.247 1.166 1.101 13.72

61) 1,4-DIOXANE
0.124 0.141 0.148 0.158 0.184 0.194 0.202 0.200 0.169 17.58

62) HEPTANE
0.329 0.307 0.322 0.389 0.422 0.415 0.425 0.439 0.412 0.384 13.26

63) METHYL METHACRYLATE
0.149 0.176 0.229 0.265 0.272 0.277 0.283 0.277 0.241 21.56

64) METHYL ISOBUTYL KETONE
0.119 0.139 0.183 0.226 0.232 0.241 0.254 0.245 0.205 25.18

65) cis-1,3-DICHLOROPROPENE
0.324 0.343 0.374 0.448 0.507 0.520 0.545 0.577 0.568 0.467 21.12

66) TOLUENE
0.383 0.404 0.414 0.463 0.537 0.553 0.573 0.618 0.617 0.507 18.24

67) 1,3-DICHLOROPROPANE
0.339 0.370 0.382 0.460 0.483 0.479 0.489 0.511 0.501 0.446 14.42

68) trans-1,3-DICHLOROPROPENE
0.254 0.279 0.336 0.398 0.473 0.498 0.523 0.557 0.553 0.430 27.23

69) 1,1,2-TRICHLOROETHANE
0.256 0.260 0.277 0.319 0.314 0.315 0.326 0.346 0.343 0.306 11.05

70) I CHLOROBENZENE-D5 ----------ISTD----------

71) 2-HEXANONE
0.233 0.325 0.443 0.585 0.591 0.574 0.531 0.493 0.472 27.90

72) ETHYL METHACRYLATE
0.415 0.468 0.656 0.845 0.850 0.822 0.760 0.710 0.691 24.40

73) TETRACHLOROETHYLENE
0.644 0.683 0.666 0.676 0.673 0.658 0.644 0.619 0.616 0.653 3.69

74) DIBROMOCHLOROMETHANE
0.715 0.842 0.873 1.176 1.250 1.246 1.218 1.142 1.097 1.062 18.77

75) 1,2-DIBROMOETHANE
0.681 0.799 0.823 0.977 0.995 0.980 0.942 0.883 0.846 0.881 11.86

76) OCTANE
0.700 0.733 0.747 0.900 1.071 1.044 0.998 0.900 0.813 0.878 15.80

77) 1,1,1,2-TETRACHLOROETHANE
0.577 0.692 0.702 0.776 0.792 0.785 0.781 0.758 0.737 0.733 9.39

78) CHLOROBENZENE
1.220 1.285 1.284 1.407 1.369 1.339 1.303 1.220 1.157 1.287 6.14

79) ETHYLBENZENE
1.583 1.594 1.630 1.933 2.151 2.119 2.023 1.847 1.714 1.844 12.18

80) m,p-XYLENE
0.513 0.551 0.573 0.732 0.835 0.816 0.797 0.756 0.725 0.700 17.44

81) o-XYLENE
0.477 0.543 0.547 0.725 0.824 0.797 0.781 0.731 0.687 0.679 18.53

82) STYRENE
0.623 0.702 0.741 0.933 1.219 1.207 1.173 1.109 1.059 0.974 23.89

83) NONANE

Initial Calibration Summary

Job Number: JE2489 **Sample:** V5W2125-ICC2125
Account: GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55466.D
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

```
           0.750 0.718 0.774 1.007 1.144 1.086 1.032 0.914 0.824   0.917   17.15
 84)  BROMOFORM
                       0.501 1.084 1.201 1.242 1.235 1.186 1.157   1.087   24.28
 85)  4-BROMOFLUOROBENZENE
           1.210 1.226 1.219 1.227 1.210 1.137 1.043 0.916 0.885   1.119   12.30
 86)  1,1,2,2-TETRACHLOROETHANE
           1.262 1.289 1.357 1.499 1.521 1.487 1.426 1.287 1.157   1.365    9.23
 87)  1,2,3-TRICHLOROPROPANE
           0.891 0.980 1.032 1.124 1.106 1.051 0.976 0.885 0.824   0.986   10.48
 88)  ISOPROPYLBENZENE
           1.803 1.855 1.905 2.266 2.459 2.358 2.258 2.075 1.932   2.101   11.45
 89)  BROMOBENZENE
           1.162 1.130 1.156 1.312 1.323 1.252 1.198 1.112 1.036   1.187    7.99
 90)  2-CHLOROTOLUENE
           0.374 0.427 0.468 0.553 0.625 0.600 0.581 0.563 0.547   0.526   16.03
 91)  n-PROPYLBENZENE
           0.347 0.392 0.455 0.569 0.653 0.631 0.605 0.582 0.561   0.533   20.36
 92)  4-ETHYLTOLUENE
           1.385 1.501 1.571 2.076 2.427 2.340 2.236 2.043 1.874   1.939   19.59
 93)  1,3,5-TRIMETHYLBENZENE
           1.141 1.303 1.374 1.843 2.053 1.974 1.882 1.739 1.609   1.657   19.36
 94)  ALPHA-METHYLSTYRENE
                       0.571 0.796 1.022 1.013 0.992 0.955 0.914   0.895   18.17
 95)  tert-BUTYLBENZENE
                  0.245 0.266 0.355 0.422 0.416 0.413 0.398 0.379   0.362   19.16
 96)  1,2,4-TRIMETHYLBENZENE
           1.221 1.230 1.427 1.913 2.186 2.127 2.062 1.835 1.650   1.739   21.59
 97)  m-DICHLOROBENZENE
           1.119 1.133 1.269 1.487 1.561 1.547 1.506 1.397 1.304   1.369   12.50
 98)  BENZYL CHLORIDE
                       1.375 1.687 2.118 2.187 2.134 1.891 1.674   1.866   16.21
 99)  p-DICHLOROBENZENE
           0.984 1.133 1.192 1.448 1.482 1.425 1.355 1.278 1.208   1.278   12.91
100)  sec-BUTYLBENZENE
           0.306 0.333 0.367 0.477 0.526 0.503 0.479 0.455 0.439   0.432   18.07
101)  1,2,3-TRIMETHYLBENZENE
           1.240 1.378 1.471 1.907 2.189 2.108 2.035 1.865 1.703   1.766   19.16
102)  p-ISOPROPYLTOLUENE
           0.336 0.381 0.413 0.572 0.621 0.592 0.575 0.554 0.522   0.507   20.35
103)  o-DICHLOROBENZENE
           1.043 1.139 1.204 1.380 1.413 1.355 1.280 1.216 1.156   1.243    9.94
104)  n-BUTYLBENZENE
           0.263 0.320 0.367 0.470 0.582 0.570 0.560 0.545 0.524   0.467   25.69
105)  HEXACHLOROETHANE
           0.643 0.685 0.711 0.955 1.031 1.027 1.003 0.931 0.846   0.870   17.76
106)  HEXACHLOROBUTADIENE
           1.035 0.992 0.972 1.094 1.175 1.345 1.383 1.333 1.195   1.169   13.47
107)  1,2,4-TRICHLOROBENZENE
                       0.916 0.940 1.038 1.217 1.230 1.238 1.173   1.107   12.67
108)  NAPHTHALENE
                       1.915 2.112 2.486 2.887 2.742 2.445         2.431   15.12

109) I   BROMOCHLOROMETHANE (A ----------------ISTD----------------------
110)  TVHC as equiv Pentane
           0.900 0.896 1.032 0.778 0.783 0.702 0.682 0.663 0.609   0.783 E1   17.50
 ---------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          M5w2125.M         Mon Dec 09 14:41:37 2024
```

Initial Calibration Verification

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample: V5W2125-ICV2125
Lab FileID: 5W55473.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\5w55473.D Vial: 5
Acq On : 9 Dec 2024 1:55 pm Operator: benk
Sample : icv2125-10 Inst : GCMS5W
Misc : MS74484,V5W2125,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P

Method : C:\msdchem\1\methods\M5w2125.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Dec 09 14:21:09 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 140%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	BROMOCHLOROMETHANE	1.000	1.000	0.0	108	0.00	7.67
2	FREON 115	1.369	1.550	-13.2	101	0.00	3.46
3	FREON 152A	0.740	0.662	10.5	95	0.00	3.55
4	CHLORODIFLUOROMETHANE	0.384	0.376	2.1	100	0.00	3.58
5	CHLOROTRIFLUOROETHENE	1.732	1.640	5.3	102	0.00	3.61
6	DICHLORODIFLUOROMETHANE	3.654	3.452	5.5	99	0.00	3.65
7	PROPYLENE	0.920	0.715	22.3	90	0.00	3.60
8	1-CHLORO-1,1-DIFLUOROETHA	3.742	3.499	6.5	101	0.00	3.75
9	FREON 114	4.483	4.285	4.4	103	0.00	3.84
10	CHLOROMETHANE	0.471	0.409	13.2	96	0.00	3.77
11	VINYL CHLORIDE	1.659	1.513	8.8	100	0.00	3.93
12	1,3-BUTADIENE	1.114	0.994	10.8	101	0.00	4.03
13	n-BUTANE	2.136	1.839	13.9	100	0.00	4.07
14	BROMOMETHANE	1.749	1.560	10.8	104	0.00	4.23
15	CHLOROETHANE	0.758	0.680	10.3	102	0.00	4.35
16	DICHLOROFLUOROMETHANE	3.748	3.432	8.4	104	0.00	4.42
17	ACETONITRILE	1.234	1.102	10.7	102	0.00	4.62
18	ACROLEIN	0.539	0.535	0.7	106	0.00	4.71
19	FREON 123	3.773	3.394	10.0	101	0.00	4.73
20	FREON 123A	2.006	1.773	11.6	98	0.00	4.78
21	TRICHLOROFLUOROMETHANE	3.377	3.288	2.6	105	0.00	4.94
22	ISOPROPYL ALCOHOL	2.140	1.917	10.4	98	0.00	5.03
23	ACETONE	0.807	0.603	25.3	101	0.00	4.82
24	PENTANE	1.063	0.903	15.1	91	0.00	5.23
25	IODOMETHANE	2.817	2.883	-2.3	106	0.00	5.42
26	1,1-DICHLOROETHYLENE	1.047	1.010	3.5	102	0.00	5.48
27	CARBON DISULFIDE	3.028	3.051	-0.8	104	0.00	5.85
28	ETHANOL	0.784	0.618	21.2	85	0.00	4.46
29	BROMOETHENE	1.490	1.474	1.1	105	0.00	4.62
30	ACRYLONITRILE	0.838	0.581	30.7#	93	0.00	5.20
31	METHYLENE CHLORIDE	1.049	0.953	9.2	101	0.00	5.59
32	3-CHLOROPROPENE	0.484	0.475	1.9	99	0.00	5.69
33	FREON 113	1.740	1.778	-2.2	109	0.00	5.82
34	TRANS-1,2-DICHLOROETHYLEN	1.106	1.077	2.6	103	0.00	6.45
35	TERTIARY BUTYL ALCOHOL	2.013	2.303	-14.4	110	0.00	5.55
36	METHYL TERTIARY BUTYL ETH	2.835	2.868	-1.2	100	0.00	6.71
37	TETRAHYDROFURAN	0.434	0.474	-9.2	101	0.00	8.24
38	HEXANE	1.567	1.462	6.7	93	0.00	7.71
39	VINYL ACETATE	0.179	0.199	-11.2	107	0.00	6.81
40	1,1-DICHLOROETHANE	2.056	1.875	8.8	95	0.00	6.65
41	METHYL ETHYL KETONE	0.434	0.464	-6.9	97	0.00	7.06
42	cis-1,2-DICHLOROETHYLENE	1.148	1.116	2.8	101	0.00	7.50

Initial Calibration Verification

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample: V5W2125-ICV2125
Lab FileID: 5W55473.D

43		DIISOPROPYL ETHER	0.476	0.459	3.6	95	0.00	7.72
44		ETHYL ACETATE	0.320	0.334	-4.4	96	0.00	7.75
45		METHYL ACRYLATE	1.905	1.852	2.8	97	0.00	7.73
46		CHLOROFORM	2.567	2.506	2.4	103	0.00	7.81
47		2,4-DIMETHYLPENTANE	1.714	1.678	2.1	95	0.00	8.67
48		1,1,1-TRICHLOROETHANE	2.607	2.588	0.7	105	0.00	8.87
49		CARBON TETRACHLORIDE	2.755	2.815	-2.2	106	0.00	9.57
50		1,2-DICHLOROETHANE	1.670	1.609	3.7	98	0.00	8.61
51	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	108	0.00	9.83
52		BENZENE	0.725	0.689	5.0	99	0.00	9.40
53		CYCLOHEXANE	0.272	0.278	-2.2	101	0.00	9.70
54		2,3-DIMETHYLPENTANE	0.147	0.145	1.4	99	0.00	10.00
55		TRICHLOROETHYLENE	0.382	0.366	4.2	102	0.00	10.65
56		1,2-DICHLOROPROPANE	0.308	0.279	9.4	98	0.00	10.36
57		DIBROMOMETHANE	0.374	0.353	5.6	109	0.00	10.34
58		ETHYL ACRYLATE	0.485	0.507	-4.5	98	0.00	10.42
59		BROMODICHLOROMETHANE	0.667	0.656	1.6	101	0.00	10.61
60		2,2,4-TRIMETHYLPENTANE	1.101	1.060	3.7	95	0.00	10.69
61		1,4-DIOXANE	0.169	0.178	-5.3	105	0.00	10.67
62		HEPTANE	0.384	0.358	6.8	93	0.00	11.03
63		METHYL METHACRYLATE	0.241	0.246	-2.1	98	0.00	10.94
64		METHYL ISOBUTYL KETONE	0.205	0.207	-1.0	97	0.00	11.79
65		cis-1,3-DICHLOROPROPENE	0.467	0.452	3.2	94	0.00	11.73
66		TOLUENE	0.507	0.517	-2.0	101	0.00	12.96
67		1,3-DICHLOROPROPANE	0.446	0.442	0.9	100	0.00	13.01
68		trans-1,3-DICHLOROPROPENE	0.430	0.457	-6.3	99	0.00	12.41
69		1,1,2-TRICHLOROETHANE	0.306	0.292	4.6	100	0.00	12.61
70	I	CHLOROBENZENE-D5	1.000	1.000	0.0	104	0.00	15.35
71		2-HEXANONE	0.472	0.552	-16.9	97	0.00	13.36
72		ETHYL METHACRYLATE	0.691	0.833	-20.5	102	0.00	13.39
73		TETRACHLOROETHYLENE	0.653	0.683	-4.6	108	0.00	14.47
74		DIBROMOCHLOROMETHANE	1.062	1.276	-20.2	107	0.00	13.51
75		1,2-DIBROMOETHANE	0.881	0.966	-9.6	103	0.00	13.82
76		OCTANE	0.878	0.935	-6.5	93	0.00	14.33
77		1,1,1,2-TETRACHLOROETHANE	0.733	0.802	-9.4	106	0.00	15.39
78		CHLOROBENZENE	1.287	1.323	-2.8	103	0.00	15.41
79		ETHYLBENZENE	1.844	2.064	-11.9	101	0.00	15.96
80		m,p-XYLENE	0.700	0.808	-15.4	103	0.00	16.23
81		o-XYLENE	0.679	0.778	-14.6	102	0.00	16.90
82		STYRENE	0.974	1.179	-21.0	102	0.00	16.75
83		NONANE	0.917	0.971	-5.9	93	0.00	17.31
84		BROMOFORM	1.087	1.261	-16.0	106	0.00	16.29
85	S	4-BROMOFLUOROBENZENE	1.119	1.167	-4.3	107	0.00	17.59
86		1,1,2,2-TETRACHLOROETHANE	1.365	1.407	-3.1	99	0.00	16.91
87		1,2,3-TRICHLOROPROPANE	0.986	1.011	-2.5	100	0.00	17.10
88		ISOPROPYLBENZENE	2.101	2.353	-12.0	104	0.00	17.81
89		BROMOBENZENE	1.187	1.216	-2.4	101	0.00	17.91
90		2-CHLOROTOLUENE	0.526	0.618	-17.5	107	0.00	18.55
91		n-PROPYLBENZENE	0.533	0.636	-19.3	105	0.00	18.64
92		4-ETHYLTOLUENE	1.939	2.292	-18.2	102	0.00	18.88
93		1,3,5-TRIMETHYLBENZENE	1.657	1.939	-17.0	102	0.00	19.01
94		ALPHA-METHYLSTYRENE	0.895	1.017	-13.6	105	0.00	19.26
95		tert-BUTYLBENZENE	0.362	0.426	-17.7	107	0.00	19.61
96		1,2,4-TRIMETHYLBENZENE	1.739	2.096	-20.5	103	0.00	19.63
97		m-DICHLOROBENZENE	1.369	1.565	-14.3	105	0.00	19.82
98		BENZYL CHLORIDE	1.866	2.201	-18.0	105	0.00	19.81
99		p-DICHLOROBENZENE	1.278	1.435	-12.3	105	0.00	19.92
100		sec-BUTYLBENZENE	0.432	0.513	-18.8	106	0.00	20.02

Initial Calibration Verification

Job Number: JE2489 **Sample:** V5W2125-ICV2125
Account: GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55473.D
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

101		1,2,3-TRIMETHYLBENZENE	1.766	2.098	-18.8	104	0.00	20.23
102		p-ISOPROPYLTOLUENE	0.507	0.615	-21.3	108	0.00	20.26
103		o-DICHLOROBENZENE	1.243	1.380	-11.0	106	0.00	20.41
104		n-BUTYLBENZENE	0.467	0.577	-23.6	105	0.00	20.85
105		HEXACHLOROETHANE	0.870	0.978	-12.4	99	0.00	21.32
106		HEXACHLOROBUTADIENE	1.169	1.383	-18.3	107	0.00	23.37
107		1,2,4-TRICHLOROBENZENE	1.107	1.294	-16.9	111	0.00	23.22
108		NAPHTHALENE	2.431	3.137	-29.0	113	0.00	22.88
109	I	BROMOCHLOROMETHANE (A)	1.000	1.000	0.0	108	0.00	7.67
110		TVHC as equiv Pentane	7.828	6.032	22.9	93	0.00	5.23

(#) = Out of Range SPCC's out = 0 CCC's out = 0
5w55466.D M5w2125.M Mon Dec 09 14:42:33 2024

Continuing Calibration Summary

Job Number: JE2489 **Sample:** V5W2136-CC2125
Account: GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55778.D
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\l...024\v5w2136\5w55778.D Vial: 1
Acq On : 20 Dec 2024 1:06 pm Operator: thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2136,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P

Method : C:\msdchem\1\methods\M5w2125.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Dec 09 14:21:09 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 140%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	BROMOCHLOROMETHANE	1.000	1.000	0.0	94	0.00	7.67
2	FREON 115	1.369	1.829	-33.6#	103	0.00	3.47
3	FREON 152A	0.740	0.932	-25.9	116	0.00	3.55
4	CHLORODIFLUOROMETHANE	0.384	0.479	-24.7	111	0.00	3.58
5	CHLOROTRIFLUOROETHENE	1.732	1.952	-12.7	105	0.00	3.61
6	DICHLORODIFLUOROMETHANE	3.654	4.366	-19.5	109	0.00	3.66
7	PROPYLENE	0.920	1.099	-19.5	120	0.00	3.60
8	1-CHLORO-1,1-DIFLUOROETHA	3.742	3.584	4.2	90	0.00	3.75
9	FREON 114	4.483	4.024	10.2	84	0.00	3.85
10	CHLOROMETHANE	0.471	0.387	17.8	79	0.00	3.77
11	VINYL CHLORIDE	1.659	1.396	15.9	80	0.00	3.93
12	1,3-BUTADIENE	1.114	0.866	22.3	76	0.00	4.03
13	n-BUTANE	2.136	1.749	18.1	82	0.00	4.07
14	BROMOMETHANE	1.749	1.427	18.4	82	0.00	4.23
15	CHLOROETHANE	0.758	0.620	18.2	80	0.00	4.35
16	DICHLOROFLUOROMETHANE	3.748	3.212	14.3	84	0.00	4.42
17	ACETONITRILE	1.234	1.053	14.7	85	0.00	4.62
18	ACROLEIN	0.539	0.472	12.4	81	0.00	4.71
19	FREON 123	3.773	3.371	10.7	87	0.00	4.73
20	FREON 123A	2.006	1.770	11.8	85	0.00	4.78
21	TRICHLOROFLUOROMETHANE	3.377	3.737	-10.7	104	0.00	4.95
22	ISOPROPYL ALCOHOL	2.140	2.377	-11.1	105	0.00	5.03
23	ACETONE	0.807	0.548	32.1#	79	0.00	4.82
24	PENTANE	1.063	1.235	-16.2	108	0.00	5.23
25	IODOMETHANE	2.817	3.398	-20.6	108	0.00	5.42
26	1,1-DICHLOROETHYLENE	1.047	1.167	-11.5	103	0.00	5.48
27	CARBON DISULFIDE	3.028	3.654	-20.7	108	0.00	5.85
28	ETHANOL	0.784	0.638	18.6	77	0.00	4.46
29	BROMOETHENE	1.490	1.362	8.6	84	0.00	4.62
30	ACRYLONITRILE	0.838	0.730	12.9	102	0.00	5.20
31	METHYLENE CHLORIDE	1.049	1.120	-6.8	103	0.00	5.59
32	3-CHLOROPROPENE	0.484	0.603	-24.6	109	0.00	5.69
33	FREON 113	1.740	2.168	-24.6	115	0.00	5.82
34	TRANS-1,2-DICHLOROETHYLEN	1.106	1.253	-13.3	104	0.00	6.45
35	TERTIARY BUTYL ALCOHOL	2.013	2.456	-22.0	102	0.00	5.55
36	METHYL TERTIARY BUTYL ETH	2.835	3.568	-25.9	108	0.00	6.71
37	TETRAHYDROFURAN	0.434	0.590	-35.9#	109	0.00	8.24
38	HEXANE	1.567	1.823	-16.3	101	0.00	7.70
39	VINYL ACETATE	0.179	0.228	-27.4	107	0.00	6.81
40	1,1-DICHLOROETHANE	2.056	2.378	-15.7	105	0.00	6.65
41	METHYL ETHYL KETONE	0.434	0.587	-35.3#	106	0.00	7.06
42	cis-1,2-DICHLOROETHYLENE	1.148	1.297	-13.0	102	0.00	7.50

Continuing Calibration Summary

Job Number: JE2489 **Sample:** V5W2136-CC2125
Account: GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55778.D
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

43		DIISOPROPYL ETHER	0.476	0.554	-16.4	100	0.00	7.71
44		ETHYL ACETATE	0.320	0.422	-31.9#	105	0.00	7.75
45		METHYL ACRYLATE	1.905	2.323	-21.9	105	0.00	7.73
46		CHLOROFORM	2.567	3.017	-17.5	108	0.00	7.81
47		2,4-DIMETHYLPENTANE	1.714	2.099	-22.5	104	0.00	8.66
48		1,1,1-TRICHLOROETHANE	2.607	3.007	-15.3	106	0.00	8.87
49		CARBON TETRACHLORIDE	2.755	3.201	-16.2	104	0.00	9.57
50		1,2-DICHLOROETHANE	1.670	2.039	-22.1	108	0.00	8.60
51	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	97	0.00	9.83
52		BENZENE	0.725	0.830	-14.5	107	0.00	9.39
53		CYCLOHEXANE	0.272	0.322	-18.4	104	0.00	9.69
54		2,3-DIMETHYLPENTANE	0.147	0.178	-21.1	110	0.00	10.00
55		TRICHLOROETHYLENE	0.382	0.410	-7.3	103	0.00	10.65
56		1,2-DICHLOROPROPANE	0.308	0.331	-7.5	104	0.00	10.36
57		DIBROMOMETHANE	0.374	0.489	-30.7#	136	0.00	10.33
58		ETHYL ACRYLATE	0.485	0.624	-28.7	108	0.00	10.41
59		BROMODICHLOROMETHANE	0.667	0.781	-17.1	108	0.00	10.60
60		2,2,4-TRIMETHYLPENTANE	1.101	1.253	-13.8	101	0.00	10.68
61		1,4-DIOXANE	0.169	0.194	-14.8	103	0.00	10.67
62		HEPTANE	0.384	0.465	-21.1	109	0.00	11.03
63		METHYL METHACRYLATE	0.241	0.301	-24.9	107	0.00	10.94
64		METHYL ISOBUTYL KETONE	0.205	0.245	-19.5	103	0.00	11.79
65		cis-1,3-DICHLOROPROPENE	0.467	0.577	-23.6	108	0.00	11.72
66		TOLUENE	0.507	0.570	-12.4	100	0.00	12.96
67		1,3-DICHLOROPROPANE	0.446	0.527	-18.2	107	0.00	13.00
68		trans-1,3-DICHLOROPROPENE	0.430	0.552	-28.4	108	0.00	12.40
69		1,1,2-TRICHLOROETHANE	0.306	0.342	-11.8	106	0.00	12.61
70	I	CHLOROBENZENE-D5	1.000	1.000	0.0	102	0.00	15.34
71		2-HEXANONE	0.472	0.590	-25.0	102	0.00	13.36
72		ETHYL METHACRYLATE	0.691	0.888	-28.5	107	0.00	13.39
73		TETRACHLOROETHYLENE	0.653	0.765	-17.2	119	0.00	14.47
74		DIBROMOCHLOROMETHANE	1.062	1.166	-9.8	96	0.00	13.51
75		1,2-DIBROMOETHANE	0.881	0.954	-8.3	100	0.00	13.82
76		OCTANE	0.878	1.110	-26.4	109	0.00	14.33
77		1,1,1,2-TETRACHLOROETHANE	0.733	0.745	-1.6	97	0.00	15.38
78		CHLOROBENZENE	1.287	1.273	1.1	97	0.00	15.40
79		ETHYLBENZENE	1.844	2.107	-14.3	102	0.00	15.96
80		m,p-XYLENE	0.700	0.767	-9.6	96	0.00	16.23
81		o-XYLENE	0.679	0.738	-8.7	95	0.00	16.90
82		STYRENE	0.974	1.159	-19.0	98	0.00	16.75
83		NONANE	0.917	1.158	-26.3	109	0.00	17.31
84		BROMOFORM	1.087	1.585	-45.8#	131	0.00	16.29
85	S	4-BROMOFLUOROBENZENE	1.119	1.126	-0.6	101	0.00	17.59
86		1,1,2,2-TETRACHLOROETHANE	1.365	1.462	-7.1	101	0.00	16.90
87		1,2,3-TRICHLOROPROPANE	0.986	1.085	-10.0	106	0.00	17.09
88		ISOPROPYLBENZENE	2.101	2.267	-7.9	98	0.00	17.81
89		BROMOBENZENE	1.187	1.300	-9.5	106	0.00	17.90
90		2-CHLOROTOLUENE	0.526	0.579	-10.1	99	0.00	18.55
91		n-PROPYLBENZENE	0.533	0.597	-12.0	97	0.00	18.63
92		4-ETHYLTOLUENE	1.939	2.252	-16.1	99	0.00	18.88
93		1,3,5-TRIMETHYLBENZENE	1.657	1.875	-13.2	97	0.00	19.01
94		ALPHA-METHYLSTYRENE	0.895	0.944	-5.5	95	0.00	19.26
95		tert-BUTYLBENZENE	0.362	0.386	-6.6	95	0.00	19.61
96		1,2,4-TRIMETHYLBENZENE	1.739	1.990	-14.4	96	0.00	19.62
97		m-DICHLOROBENZENE	1.369	1.526	-11.5	101	0.00	19.81
98		BENZYL CHLORIDE	1.866	2.075	-11.2	97	0.00	19.81
99		p-DICHLOROBENZENE	1.278	1.443	-12.9	104	0.00	19.92
100		sec-BUTYLBENZENE	0.432	0.467	-8.1	95	0.00	20.01

Continuing Calibration Summary

Job Number: JE2489 **Sample:** V5W2136-CC2125
Account: GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55778.D
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

101		1,2,3-TRIMETHYLBENZENE	1.766	2.014	-14.0	98	0.00	20.23
102		p-ISOPROPYLTOLUENE	0.507	0.547	-7.9	95	0.00	20.26
103		o-DICHLOROBENZENE	1.243	1.375	-10.6	104	0.00	20.40
104		n-BUTYLBENZENE	0.467	0.543	-16.3	97	0.00	20.85
105		HEXACHLOROETHANE	0.870	1.021	-17.4	102	0.00	21.31
106		HEXACHLOROBUTADIENE	1.169	2.077	-77.7#	158#	-0.12	23.25
107		1,2,4-TRICHLOROBENZENE	1.107	1.741	-57.3#	146#	-0.10	23.12
108		NAPHTHALENE	2.431	2.784	-14.5	99	-0.09	22.80
109	I	BROMOCHLOROMETHANE (A)	1.000	1.000	0.0	94	0.00	7.67
110		TVHC as equiv Pentane	7.828	7.982	-2.0	107	0.00	5.23

(#) = Out of Range SPCC's out = 0 CCC's out = 0
5w55466.D M5w2125.M Mon Dec 23 07:14:11 2024

Continuing Calibration Summary

Job Number: JE2489 **Sample:** V5W2138-CC2125
Account: GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55819.D
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\g...024\V5w2138\5w55819.D Vial: 1
Acq On : 23 Dec 2024 9:11 am Operator: thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P

Method : C:\msdchem\1\methods\M5w2125.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Dec 09 14:21:09 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 140%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	BROMOCHLOROMETHANE	1.000	1.000	0.0	78	0.00	7.67
2	FREON 115	1.369	1.576	-15.1	73	0.00	3.47
3	FREON 152A	0.740	0.755	-2.0	77	0.00	3.55
4	CHLORODIFLUOROMETHANE	0.384	0.424	-10.4	81	0.00	3.58
5	CHLOROTRIFLUOROETHENE	1.732	1.650	4.7	73	0.00	3.61
6	DICHLORODIFLUOROMETHANE	3.654	3.849	-5.3	79	0.00	3.66
7	PROPYLENE	0.920	0.899	2.3	81	0.00	3.60
8	1-CHLORO-1,1-DIFLUOROETHA	3.742	4.017	-7.3	83	0.00	3.75
9	FREON 114	4.483	4.880	-8.9	84	0.00	3.84
10	CHLOROMETHANE	0.471	0.457	3.0	77	0.00	3.77
11	VINYL CHLORIDE	1.659	1.758	-6.0	83	0.00	3.93
12	1,3-BUTADIENE	1.114	1.101	1.2	80	0.00	4.03
13	n-BUTANE	2.136	2.183	-2.2	85	0.00	4.07
14	BROMOMETHANE	1.749	1.720	1.7	82	0.00	4.23
15	CHLOROETHANE	0.758	0.767	-1.2	82	0.00	4.35
16	DICHLOROFLUOROMETHANE	3.748	3.850	-2.7	83	0.00	4.42
17	ACETONITRILE	1.234	1.281	-3.8	85	0.00	4.62
18	ACROLEIN	0.539	0.573	-6.3	82	0.00	4.71
19	FREON 123	3.773	3.934	-4.3	84	0.00	4.73
20	FREON 123A	2.006	2.004	0.1	79	0.00	4.78
21	TRICHLOROFLUOROMETHANE	3.377	3.559	-5.4	81	0.00	4.94
22	ISOPROPYL ALCOHOL	2.140	2.115	1.2	77	-0.01	5.02
23	ACETONE	0.807	0.643	20.3	77	0.00	4.82
24	PENTANE	1.063	1.069	-0.6	77	0.00	5.23
25	IODOMETHANE	2.817	3.248	-15.3	85	0.00	5.41
26	1,1-DICHLOROETHYLENE	1.047	1.054	-0.7	77	0.00	5.48
27	CARBON DISULFIDE	3.028	3.246	-7.2	79	0.00	5.85
28	ETHANOL	0.784	0.816	-4.1	81	0.00	4.45
29	BROMOETHENE	1.490	1.553	-4.2	79	0.00	4.62
30	ACRYLONITRILE	0.838	0.640	23.6	74	0.00	5.20
31	METHYLENE CHLORIDE	1.049	1.011	3.6	77	0.00	5.59
32	3-CHLOROPROPENE	0.484	0.533	-10.1	79	0.00	5.69
33	FREON 113	1.740	2.113	-21.4	93	0.00	5.82
34	TRANS-1,2-DICHLOROETHYLEN	1.106	1.113	-0.6	76	0.00	6.45
35	TERTIARY BUTYL ALCOHOL	2.013	2.233	-10.9	76	0.00	5.54
36	METHYL TERTIARY BUTYL ETH	2.835	3.237	-14.2	81	-0.01	6.70
37	TETRAHYDROFURAN	0.434	0.537	-23.7	82	-0.01	8.23
38	HEXANE	1.567	1.618	-3.3	74	0.00	7.70
39	VINYL ACETATE	0.179	0.207	-15.6	80	0.00	6.80
40	1,1-DICHLOROETHANE	2.056	2.126	-3.4	77	0.00	6.64
41	METHYL ETHYL KETONE	0.434	0.541	-24.7	81	0.00	7.05
42	cis-1,2-DICHLOROETHYLENE	1.148	1.169	-1.8	76	0.00	7.49

Continuing Calibration Summary

Job Number: JE2489 **Sample:** V5W2138-CC2125
Account: GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55819.D
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

43		DIISOPROPYL ETHER	0.476	0.509	-6.9	76	0.00	7.71
44		ETHYL ACETATE	0.320	0.366	-14.4	75	0.00	7.74
45		METHYL ACRYLATE	1.905	2.072	-8.8	78	0.00	7.73
46		CHLOROFORM	2.567	2.723	-6.1	80	0.00	7.80
47		2,4-DIMETHYLPENTANE	1.714	1.853	-8.1	75	0.00	8.66
48		1,1,1-TRICHLOROETHANE	2.607	2.720	-4.3	79	0.00	8.87
49		CARBON TETRACHLORIDE	2.755	2.922	-6.1	79	0.00	9.56
50		1,2-DICHLOROETHANE	1.670	1.865	-11.7	82	0.00	8.60
51	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	81	0.00	9.83
52		BENZENE	0.725	0.750	-3.4	80	0.00	9.39
53		CYCLOHEXANE	0.272	0.299	-9.9	80	0.00	9.69
54		2,3-DIMETHYLPENTANE	0.147	0.161	-9.5	82	0.00	9.99
55		TRICHLOROETHYLENE	0.382	0.378	1.0	78	-0.01	10.64
56		1,2-DICHLOROPROPANE	0.308	0.300	2.6	78	0.00	10.35
57		DIBROMOMETHANE	0.374	0.481	-28.6	111	0.00	10.33
58		ETHYL ACRYLATE	0.485	0.554	-14.2	80	-0.01	10.40
59		BROMODICHLOROMETHANE	0.667	0.711	-6.6	82	0.00	10.60
60		2,2,4-TRIMETHYLPENTANE	1.101	1.115	-1.3	74	0.00	10.68
61		1,4-DIOXANE	0.169	0.178	-5.3	78	-0.01	10.66
62		HEPTANE	0.384	0.419	-9.1	81	0.00	11.02
63		METHYL METHACRYLATE	0.241	0.280	-16.2	83	0.00	10.93
64		METHYL ISOBUTYL KETONE	0.205	0.226	-10.2	79	-0.01	11.78
65		cis-1,3-DICHLOROPROPENE	0.467	0.529	-13.3	82	0.00	11.73
66		TOLUENE	0.507	0.535	-5.5	78	0.00	12.95
67		1,3-DICHLOROPROPANE	0.446	0.477	-7.0	80	-0.01	13.00
68		trans-1,3-DICHLOROPROPENE	0.430	0.501	-16.5	81	-0.01	12.40
69		1,1,2-TRICHLOROETHANE	0.306	0.311	-1.6	80	0.00	12.61
70	I	CHLOROBENZENE-D5	1.000	1.000	0.0	84	0.00	15.34
71		2-HEXANONE	0.472	0.549	-16.3	78	-0.01	13.35
72		ETHYL METHACRYLATE	0.691	0.834	-20.7	83	0.00	13.38
73		TETRACHLOROETHYLENE	0.653	0.781	-19.6	100	0.00	14.46
74		DIBROMOCHLOROMETHANE	1.062	1.117	-5.2	76	0.00	13.51
75		1,2-DIBROMOETHANE	0.881	0.882	-0.1	76	0.00	13.82
76		OCTANE	0.878	1.021	-16.3	82	0.00	14.33
77		1,1,1,2-TETRACHLOROETHANE	0.733	0.695	5.2	75	0.00	15.38
78		CHLOROBENZENE	1.287	1.192	7.4	75	0.00	15.40
79		ETHYLBENZENE	1.844	1.956	-6.1	78	0.00	15.95
80		m,p-XYLENE	0.700	0.737	-5.3	76	-0.02	16.21
81		o-XYLENE	0.679	0.710	-4.6	75	0.00	16.89
82		STYRENE	0.974	1.094	-12.3	76	0.00	16.75
83		NONANE	0.917	1.065	-16.1	83	0.00	17.30
84		BROMOFORM	1.087	1.581	-45.4#	107	0.00	16.28
85	S	4-BROMOFLUOROBENZENE	1.119	1.122	-0.3	83	0.00	17.59
86		1,1,2,2-TETRACHLOROETHANE	1.365	1.359	0.4	77	0.00	16.90
87		1,2,3-TRICHLOROPROPANE	0.986	0.985	0.1	79	0.00	17.09
88		ISOPROPYLBENZENE	2.101	2.132	-1.5	76	0.00	17.81
89		BROMOBENZENE	1.187	1.198	-0.9	81	0.00	17.90
90		2-CHLOROTOLUENE	0.526	0.533	-1.3	75	0.00	18.54
91		n-PROPYLBENZENE	0.533	0.564	-5.8	75	0.00	18.63
92		4-ETHYLTOLUENE	1.939	2.118	-9.2	76	0.00	18.88
93		1,3,5-TRIMETHYLBENZENE	1.657	1.783	-7.6	76	0.00	19.01
94		ALPHA-METHYLSTYRENE	0.895	0.906	-1.2	75	0.00	19.25
95		tert-BUTYLBENZENE	0.362	0.384	-6.1	78	0.00	19.61
96		1,2,4-TRIMETHYLBENZENE	1.739	1.930	-11.0	77	0.00	19.62
97		m-DICHLOROBENZENE	1.369	1.513	-10.5	83	0.00	19.81
98		BENZYL CHLORIDE	1.866	1.983	-6.3	76	0.00	19.81
99		p-DICHLOROBENZENE	1.278	1.411	-10.4	84	0.00	19.92
100		sec-BUTYLBENZENE	0.432	0.464	-7.4	78	0.00	20.01

Continuing Calibration Summary

Job Number: JE2489 **Sample:** V5W2138-CC2125
Account: GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55819.D
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

101		1,2,3-TRIMETHYLBENZENE	1.766	1.932	-9.4	77	0.00	20.23
102		p-ISOPROPYLTOLUENE	0.507	0.543	-7.1	77	0.00	20.26
103		o-DICHLOROBENZENE	1.243	1.346	-8.3	84	0.00	20.40
104		n-BUTYLBENZENE	0.467	0.532	-13.9	79	0.00	20.85
105		HEXACHLOROETHANE	0.870	0.986	-13.3	81	0.00	21.31
106		HEXACHLOROBUTADIENE	1.169	2.195	-87.8#	138	-0.12	23.25
107		1,2,4-TRICHLOROBENZENE	1.107	1.801	-62.7#	125	-0.10	23.12
108		NAPHTHALENE	2.431	2.697	-10.9	79	-0.09	22.80
109	I	BROMOCHLOROMETHANE (A)	1.000	1.000	0.0	78	0.00	7.67
110		TVHC as equiv Pentane	7.828	7.142	8.8	79	0.00	5.23

(#) = Out of Range SPCC's out = 0 CCC's out = 0
5w55466.D M5w2125.M Tue Dec 24 04:43:55 2024

Initial Calibration Summary

Job Number: JE2489 **Sample:** V7W305-ICC305
Account: GESNYP Groundwater & Environmental Services **Lab FileID:** 7W07980.D
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Response Factor Report MS7W

Method : C:\msdchem\1\methods\M7W305.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
Last Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

Calibration Files
0.04=7w07975.D 0.10=7w07976.D 0.20=7w07977.D 0.5 =7w07978.D
5.0 =7w07979.D 10 =7w07980.D 20 =7w07981.D 40 =7w07982.D
50 =7w07983.D =

Compound	0.04	0.10	0.20	0.5	5.0	10	20	40	50	Avg	%RSD
1) I BROMOCHLOROMETHANE	----------ISTD----------										
2) FREON 115	1.410	1.323	1.332	1.370	0.628	1.427	1.321	1.450		1.282	20.97
3) FREON 152A	0.766	0.691	0.666	0.702	0.665	0.692	0.673	0.681	0.695	0.692	4.39
4) CHLORODIFLUOROMETHANE	0.341	0.319	0.348	0.350	0.313	0.337	0.326	0.329	0.340	0.334	3.87
5) CHLOROTRIFLUOROETHENE	1.776	1.676	1.535	1.621	1.510	1.603	1.570	1.636	1.676	1.623	5.00
6) DICHLORODIFLUOROMETHANE	3.889	3.781	3.954	3.963	3.920	4.135	4.066	4.167	4.214	4.010	3.59
7) PROPYLENE	1.094	1.136	0.965	0.913	0.864	0.902	0.889	0.913	0.948	0.958	9.85
8) 1-CHLORO-1,1-DIFLUOROETHANE	3.272	3.202	3.328	3.433	3.252	3.450	3.399	3.437	3.443	3.357	2.85
9) FREON 114	3.127	3.393	3.214	3.441	3.334	3.519	3.484	3.579	3.609	3.411	4.77
10) CHLOROMETHANE	0.752	0.540	0.501	0.489	0.467	0.488	0.475	0.483	0.479	0.519	17.25
11) VINYL CHLORIDE	1.748	1.508	1.584	1.620	1.573	1.612	1.570	1.583	1.572	1.597	4.07
12) 1,3-BUTADIENE	1.426	1.317	1.348	1.274	1.229	1.296	1.252	1.268	1.275	1.298	4.56
13) N-BUTANE	2.469	2.388	2.309	2.447	2.292	2.405	2.323	2.351	2.355	2.371	2.58
14) BROMOMETHANE	1.376	1.314	1.295	1.306	1.211	1.264	1.230	1.248	1.248	1.277	3.98
15) CHLOROETHANE	0.821	0.738	0.826	0.853	0.820	0.839	0.821	0.826	0.817	0.818	3.91
16) DICHLOROFLUOROMETHANE	2.969	2.937	3.144	3.211	3.077	3.224	3.132	3.217	3.219	3.126	3.52
17) ACETONITRILE	1.809	1.911	1.622	1.405	1.433	1.401	1.424	1.414		1.552	13.19
18) ACROLEIN	0.969	0.801	0.726	0.727	0.762	0.739	0.754	0.758		0.779	10.32
19) FREON 123	3.302	2.915	3.162	3.138	3.083	3.234	3.174	3.273	3.305	3.176	3.92
20) FREON 123A	1.695	1.757	1.752	1.832	1.796	1.886	1.860	1.906	1.913	1.822	4.21
21) TRICHLOROFLUOROMETHANE	3.507	3.486	3.424	3.639	3.527	3.726	3.643	3.717	3.694	3.596	3.10
22) ISOPROPYL ALCOHOL	4.381	3.891	3.555	3.314	2.991	3.250	3.022	3.012	3.067	3.387	14.11
23) ACETONE											

		1.285	0.991	0.851	0.841	0.818	0.841	0.836	0.923	18.38
24)	PENTANE										
		2.149	1.846	1.699	1.714	1.614	1.648	1.601	1.606	1.607	1.720	10.40
25)	IODOMETHANE										
		2.782	2.914	3.026	3.144	3.102	3.247	3.191	3.256	3.255	3.102	5.37
26)	1,1-DICHLOROETHYLENE										
		1.339	1.349	1.334	1.339	1.302	1.359	1.329	1.342	1.349	1.338	1.21
27)	CARBON DISULFIDE										
		3.488	3.732	3.787	3.791	3.810	4.022	4.015	4.214	4.238	3.900	6.23
28)	ETHANOL										
		1.215	1.135	0.882	0.863	0.799	0.782	0.802	0.925	18.97
29)	BROMOETHENE										
		1.229	1.137	1.176	1.238	1.187	1.262	1.245	1.256	1.261	1.221	3.63
30)	ACRYLONITRILE										
		1.663	1.236	1.359	1.289	1.182	1.167	1.129	1.137	1.136	1.255	13.68
31)	METHYLENE CHLORIDE										
		1.830	1.573	1.404	1.212	1.269	1.236	1.243	1.250	1.377	15.94
32)	3-CHLOROPROPENE										
		0.791	0.697	0.733	0.656	0.661	0.700	0.684	0.705	0.714	0.705	5.74
33)	FREON 113										
		1.953	2.006	2.100	2.122	2.068	2.169	2.152	2.189	2.196	2.106	3.98
34)	TRANS-1,2-DICHLOROETHENE										
		1.439	1.274	1.263	1.355	1.236	1.309	1.280	1.290	1.299	1.305	4.60
35)	TERTIARY BUTYL ALCOHOL										
		3.331	3.384	3.189	3.305	2.885	3.383	3.211	3.229	3.343	3.251	4.78
36)	METHYL TERTIARY BUTYL ETHER										
		3.163	3.190	3.191	3.189	3.103	3.315	3.318	3.482	3.557	3.279	4.70
37)	TETRAHYDROFURAN										
		0.452	0.624	0.640	0.618	0.634	0.666	0.655	0.666	0.667	0.625	10.78
38)	HEXANE										
		3.362	2.615	2.581	2.590	2.513	2.671	2.671	2.777	2.784	2.729	9.28
39)	VINYL ACETATE										
		0.272	0.260	0.243	0.276	0.304	0.324	0.351	0.358	0.298	14.25
40)	1,1-DICHLOROETHANE										
		2.584	2.330	2.424	2.438	2.346	2.451	2.406	2.454	2.453	2.432	3.01
41)	METHYL ETHYL KETONE										
		0.587	0.696	0.659	0.674	0.645	0.676	0.667	0.688	0.695	0.665	5.07
42)	CIS-1,2-DICHLOROETHENE										
		1.410	1.399	1.355	1.426	1.322	1.389	1.356	1.395	1.404	1.384	2.37
43)	DIISOPROPYL ETHER										
		0.558	0.733	0.632	0.706	0.701	0.744	0.754	0.779	0.785	0.710	10.38
44)	ETHYL ACETATE										
		0.474	0.551	0.516	0.477	0.496	0.531	0.531	0.558	0.560	0.522	6.33
45)	METHYL ACRYLATE										
		2.541	2.807	2.755	2.859	2.914	3.135	3.174	3.354	3.367	2.989	9.48
46)	CHLOROFORM										
		2.646	2.807	2.779	2.816	2.689	2.876	2.826	2.888	2.865	2.799	2.96
47)	2,4-DIMETHYLPENTANE										
		2.729	3.054	2.793	2.988	2.813	2.955	2.896	3.028	3.020	2.920	4.02
48)	1,1,1-TRICHLOROETHANE										
		2.474	2.500	2.353	2.453	2.343	2.561	2.618	2.798	2.832	2.548	6.87
49)	CARBON TETRACHLORIDE										
		2.051	2.325	2.277	2.344	2.366	2.602	2.682	2.902	2.961	2.501	12.18
50)	1,2-DICHLOROETHANE										
		1.957	2.162	2.154	2.195	2.048	2.139	2.092	2.177	2.182	2.123	3.66
51)	BENZENE										
		4.645	4.341	4.061	4.092	3.835	3.998	3.955	4.074	4.073	4.119	5.80
52)	I 1,4-DIFLUOROBENZENE	----------ISTD----------									
53)	CYCLOHEXANE										

		0.369	0.346	0.343	0.352	0.340	0.351	0.349	0.367	0.363	0.353	2.99
54)	2,3-DIMETHYLPENTANE											
		0.170	0.164	0.179	0.182	0.179	0.185	0.183	0.193	0.193	0.181	5.20
55)	TRICHLOROETHENE											
		0.398	0.396	0.357	0.373	0.365	0.380	0.376	0.401	0.401	0.383	4.32
56)	1,2-DICHLOROPROPANE											
		0.333	0.350	0.324	0.336	0.327	0.347	0.336	0.359	0.356	0.341	3.70
57)	DIBROMOMETHANE											
		0.338	0.344	0.317	0.319	0.303	0.314	0.308	0.326	0.325	0.321	4.17
58)	ETHYL ACRYLATE											
		0.690	0.695	0.682	0.662	0.696	0.748	0.759	0.821	0.830	0.731	8.42
59)	BROMODICHLOROMETHANE											
		0.513	0.538	0.542	0.547	0.578	0.618	0.621	0.666	0.668	0.588	9.80
60)	2,2,4-TRIMETHYLPENTANE											
		1.621	1.605	1.636	1.614	1.577	1.612	1.580	1.672	1.650	1.619	1.91
61)	1,4-DIOXANE											
			0.177	0.255	0.238	0.213	0.206	0.190	0.198	0.201	0.210	12.16
62)	HEPTANE											
		0.586	0.559	0.576	0.557	0.538	0.559	0.559	0.593	0.587	0.568	3.21
63)	METHYL METHACRYLATE											
		0.303	0.292	0.300	0.280	0.291	0.307	0.310	0.335	0.335	0.306	6.10
64)	METHYL ISOBUTYL KETONE											
		0.397	0.363	0.379	0.349	0.335	0.331	0.323	0.339	0.333	0.350	7.08
65)	CIS-1,3-DICHLOROPROPENE											
		0.352	0.383	0.374	0.375	0.419	0.463	0.487	0.537	0.541	0.437	16.64
66)	TOLUENE											
		1.112	1.040	1.039	1.032	1.007	1.061	1.057	1.119	1.108	1.064	3.76
67)	1,3-DICHLOROPROPANE											
		0.501	0.487	0.509	0.512	0.507	0.534	0.536	0.565	0.553	0.523	4.98
68)	TRANS-1,3-DICHLOROPROPENE											
			0.267	0.259	0.266	0.319	0.371	0.416	0.478	0.488	0.358	26.45
69)	1,1,2-TRICHLOROETHANE											
		0.267	0.292	0.278	0.288	0.284	0.297	0.295	0.310	0.309	0.291	4.78
70)	2-HEXANONE											
		0.598	0.620	0.572	0.553	0.517	0.491	0.484	0.491	0.478	0.534	10.04
71)	ETHYL METHACRYLATE											
		0.458	0.451	0.463	0.448	0.491	0.524	0.545	0.590	0.584	0.506	11.22
72)	TETRACHLOROETHENE											
		0.463	0.385	0.390	0.357	0.348	0.360	0.359	0.381	0.379	0.380	8.99
73)	DIBROMOCHLOROMETHANE											
		0.434	0.488	0.472	0.491	0.549	0.599	0.623	0.678	0.681	0.557	16.50
74)	1,2-DIBROMOETHANE											
		0.497	0.457	0.478	0.477	0.496	0.533	0.534	0.571	0.568	0.512	8.00
75)	OCTANE											
		1.122	0.866	0.835	0.792	0.775	0.810	0.806	0.852	0.836	0.855	12.18
76)	I CHLOROBENZENE-D5	----------	ISTD	----------								
77)	1,1,1,2-TETRACHLOROETHANE											
		0.389	0.401	0.377	0.364	0.403	0.443	0.463	0.507	0.513	0.429	12.93
78)	CHLOROBENZENE											
		0.901	0.981	0.941	0.950	0.939	0.968	0.976	1.030	1.026	0.968	4.31
79)	ETHYLBENZENE											
		1.712	1.561	1.546	1.530	1.507	1.550	1.567	1.652	1.657	1.587	4.37
80)	M,P-XYLENE											
		1.338	1.226	1.195	1.209	1.202	1.246	1.249	1.310	1.306	1.253	4.19
81)	O-XYLENE											
		1.276	1.232	1.206	1.207	1.201	1.249	1.268	1.341	1.345	1.258	4.37
82)	STYRENE											
		0.842	0.861	0.852	0.862	0.892	0.925	0.944	1.006	1.010	0.910	7.13
83)	NONANE											

Initial Calibration Summary

Job Number: JE2489 **Sample:** V7W305-ICC305
Account: GESNYP Groundwater & Environmental Services **Lab FileID:** 7W07980.D
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

```
          1.082 0.990 0.955 0.963 0.951 0.978 0.982 1.028 1.027   0.995    4.31
 84)  BROMOFORM
          0.425 0.415 0.442 0.482 0.523 0.583 0.621 0.695 0.711   0.544   20.92
 85)  1,1,2,2-TETRACHLOROETHANE
          0.778 0.815 0.869 0.849 0.875 0.907 0.921 0.977 0.985   0.886    7.79
 86)  1,2,3-TRICHLOROPROPANE
          0.685 0.697 0.666 0.705 0.700 0.726 0.728 0.768 0.768   0.716    4.93
 87)  4-BROMOFLUOROBENZENE
          0.725 0.720 0.722 0.724 0.737 0.726 0.745 0.745 0.758   0.734    1.81
 88)  ISOPROPYLBENZENE
          0.411 0.493 0.466 0.453 0.468 0.480 0.487 0.515 0.516   0.477    6.80
 89)  BROMOBENZENE
          0.739 0.893 0.894 0.905 0.878 0.912 0.925 0.985 0.984   0.902    7.98
 90)  2-CHLOROTOLUENE
          0.411 0.406 0.399 0.432 0.431 0.446 0.450 0.478 0.479   0.437    6.67
 91)  N-PROPYLBENZENE
          0.420 0.460 0.461 0.477 0.489 0.505 0.512 0.544 0.549   0.491    8.48
 92)  4-ETHYLTOLUENE
          1.605 1.507 1.638 1.654 1.718 1.792 1.807 1.951 1.968   1.738    8.97
 93)  1,3,5-TRIMETHYLBENZENE
          1.321 1.341 1.355 1.380 1.438 1.492 1.519 1.648 1.664   1.462    8.81
 94)  ALPHA-METHYLSTYRENE
          0.684 0.651 0.706 0.727 0.765 0.805 0.827 0.907 0.920   0.777   12.28
 95)  TERT-BUTYLBENZENE
          0.325 0.320 0.317 0.334 0.338 0.351 0.363 0.397 0.403   0.350    9.11
 96)  1,2,4-TRIMETHYLBENZENE
          1.309 1.344 1.377 1.420 1.491 1.568 1.628 1.790 1.825   1.528   12.38
 97)  BENZYL CHLORIDE
          0.339 0.328 0.327 0.342 0.423 0.567 0.787               0.445   39.13
 98)  M-DICHLOROBENZENE
          0.865 0.926 0.941 0.964 0.999 1.049 1.082 1.162 1.188   1.020   10.73
 99)  P-DICHLOROBENZENE
          0.935 0.941 0.943 0.947 0.973 1.011 1.042 1.142 1.168   1.011    8.83
100)  O-DICHLOROBENZENE
          0.885 0.878 0.917 0.917 0.938 0.976 1.019 1.112 1.147   0.976    9.98
101)  SEC-BUTYLBENZENE
          0.375 0.424 0.390 0.419 0.427 0.453 0.465 0.499 0.510   0.440   10.38
102)  1,2,3-TRIMETHYLBENZENE
          1.426 1.398 1.451 1.436 1.488 1.555 1.617 1.761 1.790   1.547    9.47
103)  P-ISOPROPYLTOLUENE
          0.419 0.458 0.471 0.447 0.476 0.504 0.516 0.557 0.573   0.491   10.37
104)  N-BUTYLBENZENE
          0.395 0.404 0.443 0.446 0.481 0.509 0.526 0.584 0.600   0.488   15.07
105)  HEXACHLOROETHANE
                0.301 0.304 0.322 0.413 0.491 0.566 0.677 0.711   0.473   35.00
106)  HEXACHLOROBUTADIENE
          0.668 0.628 0.625 0.639 0.680 0.717 0.777 0.906 0.962   0.734   16.90
107)  1,2,4-TRICHLOROBENZENE
                0.833 0.843 0.814 0.906 0.951 1.024 1.180 1.269   0.977   17.30
108)  NAPHTHALENE
          2.421 2.256 2.262 2.422 2.426 2.411 2.592 2.959 3.235   2.554   12.96

109) I   BROMOCHLOROMETHANE (A ----------------ISTD---------------------
110)  TVHC as equiv Pentane
          9.914 8.939 9.828 9.374 8.035 8.221 7.965 7.949 7.890   8.679    9.72
 ------------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          M7W305.M          Thu Aug 29 00:15:47 2024
```

Initial Calibration Verification

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample: V7W305-ICV305
Lab FileID: 7W07990.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\7w07990.D Vial: 3
Acq On : 19 Aug 2024 6:28 am Operator: benk
Sample : icv305-10 Inst : MS7W
Misc : MS74014,v7w305,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7W305.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
Last Update : Thu Aug 29 00:13:42 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	100	0.00	3.27
2	T	FREON 115	1.282	1.339	-4.4	94	0.00	1.61
3	T	FREON 152A	0.692	0.659	4.8	95	0.00	1.65
4	T	CHLORODIFLUOROMETHANE	0.334	0.311	6.9	92	0.00	1.66
5	T	CHLOROTRIFLUOROETHENE	1.623	1.535	5.4	95	0.00	1.67
6	T	DICHLORODIFLUOROMETHANE	4.010	4.114	-2.6	99	0.00	1.69
7	T	PROPYLENE	0.958	0.844	11.9	93	0.00	1.67
8	T	1-CHLORO-1,1-DIFLUOROETHA	3.357	3.483	-3.8	101	0.00	1.72
9	T	FREON 114	3.411	3.581	-5.0	101	0.00	1.76
10	T	CHLOROMETHANE	0.519	0.486	6.4	99	0.00	1.73
11	T	VINYL CHLORIDE	1.597	1.598	-0.1	99	0.00	1.79
12	t	1,3-BUTADIENE	1.298	1.256	3.2	97	0.00	1.83
13	T	N-BUTANE	2.371	2.342	1.2	97	0.00	1.85
14	T	BROMOMETHANE	1.277	1.271	0.5	100	0.00	1.91
15	T	CHLOROETHANE	0.818	0.828	-1.2	98	0.00	1.96
16	T	DICHLOROFLUOROMETHANE	3.126	3.292	-5.3	102	0.00	1.98
17	T	ACETONITRILE	1.552	1.467	5.5	102	0.00	2.05
18	T	ACROLEIN	0.779	0.760	2.4	99	0.00	2.09
19	T	FREON 123	3.176	3.121	1.7	96	0.00	2.10
20	T	FREON 123A	1.822	1.735	4.8	92	0.00	2.12
21	T	TRICHLOROFLUOROMETHANE	3.596	3.751	-4.3	100	0.00	2.19
22	T	ISOPROPYL ALCOHOL	3.387	3.362	0.7	103	0.00	2.21
23	T	ACETONE	0.923	0.836	9.4	99	0.00	2.13
24	T	PENTANE	1.720	1.599	7.0	97	0.00	2.30
25	T	IODOMETHANE	3.102	3.305	-6.5	101	0.00	2.36
26	T	1,1-DICHLOROETHYLENE	1.338	1.386	-3.6	102	0.00	2.39
27	T	CARBON DISULFIDE	3.900	4.327	-10.9	107	0.00	2.52
28	T	ETHANOL	0.925	0.759	17.9	88	0.00	1.99
29	T	BROMOETHENE	1.221	1.279	-4.8	101	0.00	2.06
30	T	ACRYLONITRILE	1.255	1.150	8.4	98	0.00	2.27
31	T	METHYLENE CHLORIDE	1.377	1.301	5.5	102	0.00	2.43
32	T	3-CHLOROPROPENE	0.705	0.704	0.1	100	0.00	2.47
33	T	FREON 113	2.106	2.269	-7.7	104	0.00	2.52
34	T	TRANS-1,2-DICHLOROETHENE	1.305	1.340	-2.7	102	0.00	2.75
35	T	TERTIARY BUTYL ALCOHOL	3.251	3.902	-20.0	115	-0.01	2.42
36	t	METHYL TERTIARY BUTYL ETH	3.279	3.328	-1.5	100	0.00	2.87
37	T	TETRAHYDROFURAN	0.625	0.640	-2.4	96	0.00	3.56
38	T	HEXANE	2.729	2.432	10.9	91	0.00	3.32
39	T	VINYL ACETATE	0.298	0.318	-6.7	104	0.00	2.90
40	T	1,1-DICHLOROETHANE	2.432	2.353	3.2	96	0.00	2.83
41	T	METHYL ETHYL KETONE	0.665	0.636	4.4	94	0.00	3.00
42	T	CIS-1,2-DICHLOROETHENE	1.384	1.344	2.9	96	0.00	3.19

Initial Calibration Verification

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Sample: V7W305-ICV305
Lab FileID: 7W07990.D

43	T	DIISOPROPYL ETHER	0.710	0.699	1.5	94	0.00	3.32
44	T	ETHYL ACETATE	0.522	0.486	6.9	91	0.00	3.33
45	T	METHYL ACRYLATE	2.989	2.977	0.4	95	0.00	3.32
46	T	CHLOROFORM	2.799	2.786	0.5	97	0.00	3.34
47	T	2,4-DIMETHYLPENTANE	2.920	2.738	6.2	92	0.00	3.83
48	T	1,1,1-TRICHLOROETHANE	2.548	2.487	2.4	97	0.00	3.91
49	T	CARBON TETRACHLORIDE	2.501	2.437	2.6	93	0.00	4.33
50	T	1,2-DICHLOROETHANE	2.123	2.036	4.1	95	0.00	3.75
51	t	BENZENE	4.119	3.772	8.4	94	0.00	4.22
52	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	98	0.00	4.55
53	T	CYCLOHEXANE	0.353	0.339	4.0	94	0.00	4.43
54	T	2,3-DIMETHYLPENTANE	0.181	0.178	1.7	94	0.00	4.69
55	T	TRICHLOROETHENE	0.383	0.371	3.1	96	0.00	5.12
56	T	1,2-DICHLOROPROPANE	0.341	0.332	2.6	94	0.00	4.89
57	T	DIBROMOMETHANE	0.321	0.315	1.9	98	0.00	4.85
58	T	ETHYL ACRYLATE	0.731	0.731	0.0	96	0.00	5.01
59	T	BROMODICHLOROMETHANE	0.588	0.601	-2.2	95	0.00	5.07
60	T	2,2,4-TRIMETHYLPENTANE	1.619	1.510	6.7	92	0.00	5.22
61	T	1,4-DIOXANE	0.210	0.196	6.7	93	-0.01	5.15
62	T	HEPTANE	0.568	0.517	9.0	90	0.00	5.53
63	T	METHYL METHACRYLATE	0.306	0.302	1.3	96	0.00	5.43
64	T	METHYL ISOBUTYL KETONE	0.350	0.313	10.6	92	0.00	6.17
65	T	CIS-1,3-DICHLOROPROPENE	0.437	0.425	2.7	90	0.00	6.06
66	T	TOLUENE	1.064	1.019	4.2	94	0.00	7.26
67	T	1,3-DICHLOROPROPANE	0.523	0.515	1.5	94	0.00	7.32
68	T	TRANS-1,3-DICHLOROPROPENE	0.358	0.366	-2.2	97	0.00	6.73
69	T	1,1,2-TRICHLOROETHANE	0.291	0.294	-1.0	97	0.00	6.89
70	T	2-HEXANONE	0.534	0.460	13.9	91	0.00	7.85
71	T	ETHYL METHACRYLATE	0.506	0.529	-4.5	98	0.00	7.97
72	T	TETRACHLOROETHENE	0.380	0.354	6.8	96	0.00	8.99
73	T	DIBROMOCHLOROMETHANE	0.557	0.581	-4.3	95	0.00	7.79
74	T	1,2-DIBROMOETHANE	0.512	0.521	-1.8	96	0.00	8.14
75	T	OCTANE	0.855	0.745	12.9	90	0.00	9.14
76	I	CHLOROBENZENE-D5	1.000	1.000	0.0	97	0.00	10.12
77	T	1,1,1,2-TETRACHLOROETHANE	0.429	0.429	0.0	94	0.00	10.21
78	T	CHLOROBENZENE	0.968	0.941	2.8	95	0.00	10.20
79	t	ETHYLBENZENE	1.587	1.502	5.4	94	0.00	11.08
80	t	M,P-XYLENE	1.253	1.194	4.7	93	0.00	11.51
81	t	O-XYLENE	1.258	1.192	5.2	93	0.00	12.44
82	T	STYRENE	0.910	0.891	2.1	94	0.00	12.23
83	T	NONANE	0.995	0.903	9.2	90	0.00	13.56
84	T	BROMOFORM	0.544	0.548	-0.7	91	0.00	11.32
85	T	1,1,2,2-TETRACHLOROETHANE	0.886	0.875	1.2	94	0.00	12.46
86	T	1,2,3-TRICHLOROPROPANE	0.716	0.695	2.9	93	0.00	12.74
87	S	4-BROMOFLUOROBENZENE	0.734	0.729	0.7	98	0.00	13.48
88	T	ISOPROPYLBENZENE	0.477	0.469	1.7	95	0.00	13.96
89	T	BROMOBENZENE	0.902	0.886	1.8	95	0.00	13.82
90	T	2-CHLOROTOLUENE	0.437	0.442	-1.1	96	0.00	14.95
91	T	N-PROPYLBENZENE	0.491	0.490	0.2	94	0.00	15.29
92	T	4-ETHYLTOLUENE	1.738	1.702	2.1	92	0.00	15.74
93	T	1,3,5-TRIMETHYLBENZENE	1.462	1.428	2.3	93	0.00	16.00
94	T	ALPHA-METHYLSTYRENE	0.777	0.806	-3.7	97	0.00	16.27
95	T	TERT-BUTYLBENZENE	0.350	0.344	1.7	95	0.00	16.57
96	T	1,2,4-TRIMETHYLBENZENE	1.528	1.502	1.7	93	0.00	16.58
97	T	BENZYL CHLORIDE	0.445	0.634	-42.5#	109	0.00	16.67
98	T	M-DICHLOROBENZENE	1.020	1.011	0.9	94	0.00	16.64
99	T	P-DICHLOROBENZENE	1.011	0.984	2.7	95	0.00	16.73
100	T	O-DICHLOROBENZENE	0.976	0.956	2.0	95	0.00	17.04

Initial Calibration Verification

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY
Sample: V7W305-ICV305
Lab FileID: 7W07990.D

101	T	SEC-BUTYLBENZENE	0.440	0.444	-0.9	95	0.00	16.87
102	T	1,2,3-TRIMETHYLBENZENE	1.547	1.505	2.7	94	0.00	16.99
103	T	P-ISOPROPYLTOLUENE	0.491	0.494	-0.6	95	0.00	17.06
104	T	N-BUTYLBENZENE	0.488	0.490	-0.4	94	0.00	17.43
105	T	HEXACHLOROETHANE	0.473	0.465	1.7	92	0.00	17.60
106	T	HEXACHLOROBUTADIENE	0.734	0.720	1.9	98	0.00	18.66
107	T	1,2,4-TRICHLOROBENZENE	0.977	0.928	5.0	95	0.00	18.35
108	T	NAPHTHALENE	2.554	2.550	0.2	103	0.00	18.40
109	I	BROMOCHLOROMETHANE (A)	1.000	1.000	0.0	100	0.00	3.27
110		TVHC as equiv Pentane	8.679	7.972	8.1	97	0.00	2.30

(#) = Out of Range SPCC's out = 0 CCC's out = 0
7w07980.D M7W305.M Thu Aug 29 00:23:32 2024

Continuing Calibration Summary

Job Number: JE2489 **Sample:** V7W369-CC305
Account: GESNYP Groundwater & Environmental Services **Lab FileID:** 7W09948.D
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\k...2824\v7w369\7w09948.d Vial: 2
Acq On : 25 Oct 2024 11:00 am Operator: thomash
Sample : cc305-10 Inst : MS7W
Misc : MS86212,v7w369,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7W305.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
Last Update : Thu Aug 29 00:13:42 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	83	0.00	3.27
2	T	FREON 115	1.282	1.664	-29.8	97	0.00	1.62
3	T	FREON 152A	0.692	0.888	-28.3	106	0.00	1.65
4	T	CHLORODIFLUOROMETHANE	0.334	0.352	-5.4	87	0.00	1.66
5	T	CHLOROTRIFLUOROETHENE	1.623	1.909	-17.6	99	0.00	1.68
6	T	DICHLORODIFLUOROMETHANE	4.010	3.913	2.4	79	0.00	1.69
7	T	PROPYLENE	0.958	1.121	-17.0	103	0.00	1.67
8	T	1-CHLORO-1,1-DIFLUOROETHA	3.357	2.806	16.4	68	0.00	1.73
9	T	FREON 114	3.411	3.188	6.5	75	0.00	1.77
10	T	CHLOROMETHANE	0.519	0.469	9.6	80	0.00	1.74
11	T	VINYL CHLORIDE	1.597	1.654	-3.6	85	0.00	1.80
12	t	1,3-BUTADIENE	1.298	1.286	0.9	82	0.00	1.84
13	T	N-BUTANE	2.371	2.315	2.4	80	0.00	1.86
14	T	BROMOMETHANE	1.277	1.151	9.9	76	0.00	1.91
15	T	CHLOROETHANE	0.818	0.843	-3.1	83	0.00	1.97
16	T	DICHLOROFLUOROMETHANE	3.126	2.992	4.3	77	0.00	1.99
17	T	ACETONITRILE	1.552	1.467	5.5	85	0.00	2.06
18	T	ACROLEIN	0.779	0.758	2.7	83	0.00	2.10
19	T	FREON 123	3.176	2.995	5.7	77	0.00	2.11
20	T	FREON 123A	1.822	1.685	7.5	74	0.00	2.13
21	T	TRICHLOROFLUOROMETHANE	3.596	3.136	12.8	70	0.00	2.20
22	T	ISOPROPYL ALCOHOL	3.387	3.063	9.6	78	0.00	2.22
23	T	ACETONE	0.923	0.865	6.3	85	0.00	2.14
24	T	PENTANE	1.720	1.651	4.0	83	0.00	2.31
25	T	IODOMETHANE	3.102	2.852	8.1	73	0.00	2.37
26	T	1,1-DICHLOROETHYLENE	1.338	1.238	7.5	76	0.00	2.40
27	T	CARBON DISULFIDE	3.900	3.522	9.7	73	0.01	2.53
28	T	ETHANOL	0.925	1.016	-9.8	98	0.00	2.00
29	T	BROMOETHENE	1.221	1.177	3.6	77	0.00	2.07
30	T	ACRYLONITRILE	1.255	1.200	4.4	85	0.00	2.28
31	T	METHYLENE CHLORIDE	1.377	1.150	16.5	75	0.00	2.44
32	T	3-CHLOROPROPENE	0.705	0.630	10.6	75	0.00	2.48
33	T	FREON 113	2.106	1.799	14.6	69	0.00	2.53
34	T	TRANS-1,2-DICHLOROETHENE	1.305	1.380	-5.7	87	0.00	2.76
35	T	TERTIARY BUTYL ALCOHOL	3.251	2.985	8.2	73	0.00	2.42
36	t	METHYL TERTIARY BUTYL ETH	3.279	3.614	-10.2	91	0.00	2.87
37	T	TETRAHYDROFURAN	0.625	0.720	-15.2	90	0.00	3.56
38	T	HEXANE	2.729	2.941	-7.8	91	0.00	3.33
39	T	VINYL ACETATE	0.298	0.333	-11.7	91	0.00	2.91
40	T	1,1-DICHLOROETHANE	2.432	2.839	-16.7	96	0.00	2.84
41	T	METHYL ETHYL KETONE	0.665	0.756	-13.7	93	0.00	3.00
42	T	CIS-1,2-DICHLOROETHENE	1.384	1.466	-5.9	88	0.00	3.20

Continuing Calibration Summary

Job Number: JE2489 **Sample:** V7W369-CC305
Account: GESNYP Groundwater & Environmental Services **Lab FileID:** 7W09948.D
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

43	T	DIISOPROPYL ETHER	0.710	0.807	-13.7	90	0.00	3.33
44	T	ETHYL ACETATE	0.522	0.573	-9.8	90	0.00	3.33
45	T	METHYL ACRYLATE	2.989	3.366	-12.6	89	0.00	3.32
46	T	CHLOROFORM	2.799	2.820	-0.8	81	0.00	3.35
47	T	2,4-DIMETHYLPENTANE	2.920	3.326	-13.9	93	0.00	3.84
48	T	1,1,1-TRICHLOROETHANE	2.548	2.689	-5.5	87	0.00	3.92
49	T	CARBON TETRACHLORIDE	2.501	2.750	-10.0	88	0.00	4.34
50	T	1,2-DICHLOROETHANE	2.123	2.120	0.1	82	0.00	3.76
51	t	BENZENE	4.119	4.414	-7.2	92	0.00	4.23
52	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	85	0.00	4.55
53	T	CYCLOHEXANE	0.353	0.377	-6.8	92	0.00	4.44
54	T	2,3-DIMETHYLPENTANE	0.181	0.201	-11.0	93	0.00	4.69
55	T	TRICHLOROETHENE	0.383	0.390	-1.8	88	0.00	5.13
56	T	1,2-DICHLOROPROPANE	0.341	0.381	-11.7	94	0.00	4.89
57	T	DIBROMOMETHANE	0.321	0.343	-6.9	93	0.00	4.86
58	T	ETHYL ACRYLATE	0.731	0.774	-5.9	88	0.00	5.02
59	T	BROMODICHLOROMETHANE	0.588	0.614	-4.4	85	0.00	5.07
60	T	2,2,4-TRIMETHYLPENTANE	1.619	1.708	-5.5	90	0.00	5.22
61	T	1,4-DIOXANE	0.210	0.215	-2.4	89	0.00	5.15
62	T	HEPTANE	0.568	0.559	1.6	85	0.00	5.54
63	T	METHYL METHACRYLATE	0.306	0.334	-9.2	93	0.00	5.43
64	T	METHYL ISOBUTYL KETONE	0.350	0.342	2.3	88	0.00	6.18
65	T	CIS-1,3-DICHLOROPROPENE	0.437	0.505	-15.6	93	0.00	6.06
66	T	TOLUENE	1.064	1.078	-1.3	87	0.00	7.27
67	T	1,3-DICHLOROPROPANE	0.523	0.542	-3.6	86	0.00	7.32
68	T	TRANS-1,3-DICHLOROPROPENE	0.358	0.432	-20.7	99	0.00	6.74
69	T	1,1,2-TRICHLOROETHANE	0.291	0.311	-6.9	89	0.00	6.90
70	T	2-HEXANONE	0.534	0.494	7.5	86	0.00	7.85
71	T	ETHYL METHACRYLATE	0.506	0.568	-12.3	92	0.00	7.97
72	T	TETRACHLOROETHENE	0.380	0.408	-7.4	97	0.00	8.99
73	T	DIBROMOCHLOROMETHANE	0.557	0.606	-8.8	86	0.00	7.80
74	T	1,2-DIBROMOETHANE	0.512	0.550	-7.4	88	0.00	8.14
75	T	OCTANE	0.855	0.779	8.9	82	0.00	9.14
76	I	CHLOROBENZENE-D5	1.000	1.000	0.0	85	0.00	10.13
77	T	1,1,1,2-TETRACHLOROETHANE	0.429	0.473	-10.3	91	0.00	10.21
78	T	CHLOROBENZENE	0.968	0.943	2.6	83	0.00	10.20
79	t	ETHYLBENZENE	1.587	1.516	4.5	83	0.00	11.08
80	t	M,P-XYLENE	1.253	1.192	4.9	81	0.00	11.51
81	t	O-XYLENE	1.258	1.209	3.9	82	0.00	12.44
82	T	STYRENE	0.910	0.950	-4.4	87	0.00	12.23
83	T	NONANE	0.995	0.902	9.3	79	0.00	13.56
84	T	BROMOFORM	0.544	0.599	-10.1	87	0.00	11.32
85	T	1,1,2,2-TETRACHLOROETHANE	0.886	0.910	-2.7	85	0.00	12.46
86	T	1,2,3-TRICHLOROPROPANE	0.716	0.714	0.3	84	0.00	12.74
87	S	4-BROMOFLUOROBENZENE	0.734	0.719	2.0	84	0.00	13.48
88	T	ISOPROPYLBENZENE	0.477	0.484	-1.5	86	0.00	13.96
89	T	BROMOBENZENE	0.902	0.896	0.7	84	0.00	13.82
90	T	2-CHLOROTOLUENE	0.437	0.450	-3.0	86	0.00	14.95
91	T	N-PROPYLBENZENE	0.491	0.505	-2.9	85	0.00	15.30
92	T	4-ETHYLTOLUENE	1.738	1.766	-1.6	84	0.00	15.74
93	T	1,3,5-TRIMETHYLBENZENE	1.462	1.444	1.2	82	0.00	16.00
94	T	ALPHA-METHYLSTYRENE	0.777	0.787	-1.3	83	0.00	16.27
95	T	TERT-BUTYLBENZENE	0.350	0.348	0.6	84	0.00	16.57
96	T	1,2,4-TRIMETHYLBENZENE	1.528	1.477	3.3	80	0.00	16.58
97	T	BENZYL CHLORIDE	0.445	0.887	-99.3#	133	0.00	16.67
98	T	M-DICHLOROBENZENE	1.020	1.061	-4.0	86	0.00	16.64
99	T	P-DICHLOROBENZENE	1.011	1.032	-2.1	87	0.00	16.73
100	T	O-DICHLOROBENZENE	0.976	0.980	-0.4	85	0.00	17.04

Continuing Calibration Summary

Job Number: JE2489 **Sample:** V7W369-CC305
Account: GESNYP Groundwater & Environmental Services **Lab FileID:** 7W09948.D
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

101	T	SEC-BUTYLBENZENE	0.440	0.441	-0.2	83	0.00	16.87
102	T	1,2,3-TRIMETHYLBENZENE	1.547	1.475	4.7	81	0.00	16.99
103	T	P-ISOPROPYLTOLUENE	0.491	0.486	1.0	82	0.00	17.06
104	T	N-BUTYLBENZENE	0.488	0.490	-0.4	82	0.00	17.42
105	T	HEXACHLOROETHANE	0.473	0.530	-12.1	92	0.00	17.60
106	T	HEXACHLOROBUTADIENE	0.734	0.779	-6.1	92	0.00	18.65
107	T	1,2,4-TRICHLOROBENZENE	0.977	0.997	-2.0	89	0.00	18.34
108	T	NAPHTHALENE	2.554	2.222	13.0	78	0.00	18.39
109	I	BROMOCHLOROMETHANE (A)	1.000	1.000	0.0	83	0.00	3.27
110		TVHC as equiv Pentane	8.679	7.800	10.1	79	0.00	2.31

(#) = Out of Range SPCC's out = 0 CCC's out = 0
7w07980.D M7W305.M Mon Oct 28 10:43:11 2024

Continuing Calibration Summary

Job Number: JE2489 **Sample:** V7W387-CC305
Account: GESNYP Groundwater & Environmental Services **Lab FileID:** 7W10576.D
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\l...2024\v7w387\7w10576.D Vial: 2
Acq On : 18 Nov 2024 9:35 am Operator: benk
Sample : cc305-10 Inst : MS7W
Misc : MS87131,v7w387,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7W305.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
Last Update : Thu Aug 29 00:13:42 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	79	0.01	3.28
2	T	FREON 115	1.282	1.751	-36.6#	98	0.00	1.62
3	T	FREON 152A	0.692	0.896	-29.5	103	0.00	1.65
4	T	CHLORODIFLUOROMETHANE	0.334	0.350	-4.8	82	0.00	1.66
5	T	CHLOROTRIFLUOROETHENE	1.623	1.974	-21.6	98	0.00	1.67
6	T	DICHLORODIFLUOROMETHANE	4.010	4.006	0.1	77	0.00	1.69
7	T	PROPYLENE	0.958	1.105	-15.3	97	0.00	1.67
8	T	1-CHLORO-1,1-DIFLUOROETHA	3.357	2.741	18.3	63	0.00	1.73
9	T	FREON 114	3.411	3.281	3.8	74	0.00	1.76
10	T	CHLOROMETHANE	0.519	0.443	14.6	72	0.00	1.73
11	T	VINYL CHLORIDE	1.597	1.580	1.1	78	0.00	1.80
12	t	1,3-BUTADIENE	1.298	1.191	8.2	73	0.00	1.84
13	T	N-BUTANE	2.371	1.995	15.9	66	0.00	1.85
14	T	BROMOMETHANE	1.277	1.238	3.1	78	0.00	1.91
15	T	CHLOROETHANE	0.818	0.842	-2.9	80	0.00	1.96
16	T	DICHLOROFLUOROMETHANE	3.126	2.996	4.2	74	0.00	1.99
17	T	ACETONITRILE	1.552	1.302	16.1	72	0.00	2.06
18	T	ACROLEIN	0.779	0.718	7.8	75	0.00	2.10
19	T	FREON 123	3.176	3.134	1.3	77	0.00	2.11
20	T	FREON 123A	1.822	1.837	-0.8	77	0.00	2.13
21	T	TRICHLOROFLUOROMETHANE	3.596	3.386	5.8	72	0.00	2.19
22	T	ISOPROPYL ALCOHOL	3.387	2.874	15.1	70	0.00	2.22
23	T	ACETONE	0.923	0.893	3.3	84	0.00	2.14
24	T	PENTANE	1.720	1.489	13.4	72	0.00	2.31
25	T	IODOMETHANE	3.102	3.311	-6.7	81	0.00	2.37
26	T	1,1-DICHLOROETHYLENE	1.338	1.303	2.6	76	0.00	2.40
27	T	CARBON DISULFIDE	3.900	3.511	10.0	69	0.01	2.53
28	T	ETHANOL	0.925	0.784	15.2	72	0.00	1.99
29	T	BROMOETHENE	1.221	1.289	-5.6	81	0.00	2.06
30	T	ACRYLONITRILE	1.255	1.082	13.8	74	0.00	2.28
31	T	METHYLENE CHLORIDE	1.377	1.185	13.9	74	0.00	2.44
32	T	3-CHLOROPROPENE	0.705	0.629	10.8	71	0.00	2.48
33	T	FREON 113	2.106	2.070	1.7	76	0.00	2.53
34	T	TRANS-1,2-DICHLOROETHENE	1.305	1.420	-8.8	86	0.00	2.76
35	T	TERTIARY BUTYL ALCOHOL	3.251	2.965	8.8	70	0.00	2.42
36	t	METHYL TERTIARY BUTYL ETH	3.279	3.620	-10.4	87	0.00	2.87
37	T	TETRAHYDROFURAN	0.625	0.712	-13.9	85	0.00	3.56
38	T	HEXANE	2.729	2.946	-8.0	88	0.00	3.33
39	T	VINYL ACETATE	0.298	0.338	-13.4	88	0.00	2.91
40	T	1,1-DICHLOROETHANE	2.432	2.846	-17.0	92	0.00	2.84
41	T	METHYL ETHYL KETONE	0.665	0.744	-11.9	87	0.00	3.01
42	T	CIS-1,2-DICHLOROETHENE	1.384	1.466	-5.9	84	0.01	3.20

Continuing Calibration Summary

Job Number: JE2489 **Sample:** V7W387-CC305
Account: GESNYP Groundwater & Environmental Services **Lab FileID:** 7W10576.D
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

43	T	DIISOPROPYL ETHER	0.710	0.812	-14.4	87	0.00	3.33
44	T	ETHYL ACETATE	0.522	0.572	-9.6	86	0.00	3.34
45	T	METHYL ACRYLATE	2.989	3.335	-11.6	85	0.00	3.32
46	T	CHLOROFORM	2.799	2.797	0.1	77	0.00	3.35
47	T	2,4-DIMETHYLPENTANE	2.920	3.308	-13.3	89	0.00	3.84
48	T	1,1,1-TRICHLOROETHANE	2.548	2.738	-7.5	85	0.00	3.92
49	T	CARBON TETRACHLORIDE	2.501	2.867	-14.6	88	0.00	4.34
50	T	1,2-DICHLOROETHANE	2.123	2.055	3.2	76	0.00	3.76
51	t	BENZENE	4.119	4.293	-4.2	85	0.00	4.23
52	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	82	0.00	4.55
53	T	CYCLOHEXANE	0.353	0.358	-1.4	84	0.00	4.44
54	T	2,3-DIMETHYLPENTANE	0.181	0.191	-5.5	85	0.00	4.70
55	T	TRICHLOROETHENE	0.383	0.372	2.9	80	0.00	5.13
56	T	1,2-DICHLOROPROPANE	0.341	0.375	-10.0	89	0.00	4.89
57	T	DIBROMOMETHANE	0.321	0.325	-1.2	85	0.00	4.86
58	T	ETHYL ACRYLATE	0.731	0.786	-7.5	86	0.00	5.01
59	T	BROMODICHLOROMETHANE	0.588	0.602	-2.4	80	0.00	5.07
60	T	2,2,4-TRIMETHYLPENTANE	1.619	1.727	-6.7	88	0.00	5.22
61	T	1,4-DIOXANE	0.210	0.202	3.8	81	-0.01	5.15
62	T	HEPTANE	0.568	0.573	-0.9	84	0.00	5.54
63	T	METHYL METHACRYLATE	0.306	0.321	-4.9	86	0.00	5.43
64	T	METHYL ISOBUTYL KETONE	0.350	0.339	3.1	84	0.00	6.17
65	T	CIS-1,3-DICHLOROPROPENE	0.437	0.496	-13.5	88	0.00	6.06
66	T	TOLUENE	1.064	1.020	4.1	79	0.00	7.27
67	T	1,3-DICHLOROPROPANE	0.523	0.516	1.3	79	0.00	7.33
68	T	TRANS-1,3-DICHLOROPROPENE	0.358	0.429	-19.8	95	0.00	6.74
69	T	1,1,2-TRICHLOROETHANE	0.291	0.296	-1.7	82	0.00	6.90
70	T	2-HEXANONE	0.534	0.484	9.4	81	0.00	7.85
71	T	ETHYL METHACRYLATE	0.506	0.537	-6.1	84	0.00	7.97
72	T	TETRACHLOROETHENE	0.380	0.381	-0.3	87	0.00	8.99
73	T	DIBROMOCHLOROMETHANE	0.557	0.600	-7.7	82	0.00	7.80
74	T	1,2-DIBROMOETHANE	0.512	0.520	-1.6	80	0.00	8.14
75	T	OCTANE	0.855	0.790	7.6	80	0.00	9.14
76	I	CHLOROBENZENE-D5	1.000	1.000	0.0	83	0.00	10.12
77	T	1,1,1,2-TETRACHLOROETHANE	0.429	0.459	-7.0	86	0.00	10.21
78	T	CHLOROBENZENE	0.968	0.879	9.2	76	0.00	10.20
79	t	ETHYLBENZENE	1.587	1.418	10.6	76	0.00	11.08
80	t	M,P-XYLENE	1.253	1.118	10.8	75	0.00	11.51
81	t	O-XYLENE	1.258	1.118	11.1	75	0.00	12.44
82	T	STYRENE	0.910	0.860	5.5	77	0.00	12.23
83	T	NONANE	0.995	0.887	10.9	75	0.00	13.56
84	T	BROMOFORM	0.544	0.598	-9.9	85	0.00	11.32
85	T	1,1,2,2-TETRACHLOROETHANE	0.886	0.832	6.1	76	0.00	12.45
86	T	1,2,3-TRICHLOROPROPANE	0.716	0.649	9.4	74	0.00	12.74
87	S	4-BROMOFLUOROBENZENE	0.734	0.681	7.2	78	0.00	13.48
88	T	ISOPROPYLBENZENE	0.477	0.439	8.0	76	0.00	13.96
89	T	BROMOBENZENE	0.902	0.818	9.3	75	0.00	13.82
90	T	2-CHLOROTOLUENE	0.437	0.402	8.0	75	0.00	14.96
91	T	N-PROPYLBENZENE	0.491	0.459	6.5	76	0.00	15.30
92	T	4-ETHYLTOLUENE	1.738	1.624	6.6	75	0.00	15.74
93	T	1,3,5-TRIMETHYLBENZENE	1.462	1.314	10.1	73	0.00	15.99
94	T	ALPHA-METHYLSTYRENE	0.777	0.701	9.8	72	0.00	16.27
95	T	TERT-BUTYLBENZENE	0.350	0.319	8.9	76	0.00	16.57
96	T	1,2,4-TRIMETHYLBENZENE	1.528	1.357	11.2	72	0.00	16.58
97	T	BENZYL CHLORIDE	0.445	0.850	-91.0#	125	0.00	16.67
98	T	M-DICHLOROBENZENE	1.020	0.961	5.8	76	0.00	16.64
99	T	P-DICHLOROBENZENE	1.011	0.931	7.9	77	0.00	16.73
100	T	O-DICHLOROBENZENE	0.976	0.892	8.6	76	0.00	17.04

Continuing Calibration Summary

Job Number: JE2489 **Sample:** V7W387-CC305
Account: GESNYP Groundwater & Environmental Services **Lab FileID:** 7W10576.D
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

101	T	SEC-BUTYLBENZENE	0.440	0.410	6.8	75	0.00	16.87
102	T	1,2,3-TRIMETHYLBENZENE	1.547	1.334	13.8	71	0.00	16.99
103	T	P-ISOPROPYLTOLUENE	0.491	0.444	9.6	73	0.00	17.06
104	T	N-BUTYLBENZENE	0.488	0.445	8.8	73	0.00	17.42
105	T	HEXACHLOROETHANE	0.473	0.499	-5.5	85	0.00	17.60
106	T	HEXACHLOROBUTADIENE	0.734	0.703	4.2	82	-0.01	18.65
107	T	1,2,4-TRICHLOROBENZENE	0.977	0.850	13.0	74	0.00	18.34
108	T	NAPHTHALENE	2.554	1.975	22.7	68	-0.01	18.39
109	I	BROMOCHLOROMETHANE (A)	1.000	1.000	0.0	79	0.01	3.28
110		TVHC as equiv Pentane	8.679	7.045	18.8	68	0.00	2.31

(#) = Out of Range SPCC's out = 0 CCC's out = 0
7w07980.D M7W305.M Tue Nov 19 04:47:41 2024

Continuing Calibration Summary

Job Number: JE2489 **Sample:** V7W392-CC305
Account: GESNYP Groundwater & Environmental Services **Lab FileID:** 7W10743.D
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\g...2024\V7W392\7w10743.D Vial: 2
Acq On : 25 Nov 2024 9:11 am Operator: williamc
Sample : cc305-10 Inst : MS7W
Misc : MS87372,v7w392,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7W305.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
Last Update : Thu Aug 29 00:13:42 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	95	0.00	3.27
2	T	FREON 115	1.282	1.597	-24.6	106	0.00	1.62
3	T	FREON 152A	0.692	0.845	-22.1	116	0.00	1.65
4	T	CHLORODIFLUOROMETHANE	0.334	0.367	-9.9	103	0.00	1.66
5	T	CHLOROTRIFLUOROETHENE	1.623	1.750	-7.8	104	0.00	1.68
6	T	DICHLORODIFLUOROMETHANE	4.010	4.015	-0.1	92	0.00	1.69
7	T	PROPYLENE	0.958	1.036	-8.1	109	0.00	1.67
8	T	1-CHLORO-1,1-DIFLUOROETHA	3.357	3.440	-2.5	95	0.00	1.73
9	T	FREON 114	3.411	3.591	-5.3	97	0.00	1.77
10	T	CHLOROMETHANE	0.519	0.525	-1.2	102	0.00	1.74
11	T	VINYL CHLORIDE	1.597	1.831	-14.7	108	0.00	1.80
12	t	1,3-BUTADIENE	1.298	1.394	-7.4	102	0.00	1.84
13	T	N-BUTANE	2.371	2.511	-5.9	99	0.00	1.86
14	T	BROMOMETHANE	1.277	1.268	0.7	95	0.00	1.91
15	T	CHLOROETHANE	0.818	0.894	-9.3	101	0.00	1.97
16	T	DICHLOROFLUOROMETHANE	3.126	3.273	-4.7	96	0.00	1.99
17	T	ACETONITRILE	1.552	1.517	2.3	101	0.00	2.06
18	T	ACROLEIN	0.779	0.741	4.9	92	0.00	2.10
19	T	FREON 123	3.176	3.251	-2.4	96	0.00	2.11
20	T	FREON 123A	1.822	1.740	4.5	88	0.00	2.13
21	T	TRICHLOROFLUOROMETHANE	3.596	3.411	5.1	87	0.00	2.20
22	T	ISOPROPYL ALCOHOL	3.387	3.192	5.8	93	0.00	2.22
23	T	ACETONE	0.923	0.924	-0.1	104	0.00	2.14
24	T	PENTANE	1.720	1.710	0.6	99	0.00	2.31
25	T	IODOMETHANE	3.102	2.955	4.7	86	0.00	2.37
26	T	1,1-DICHLOROETHYLENE	1.338	1.347	-0.7	94	0.00	2.40
27	T	CARBON DISULFIDE	3.900	4.075	-4.5	96	0.01	2.53
28	T	ETHANOL	0.925	0.966	-4.4	106	0.00	2.00
29	T	BROMOETHENE	1.221	1.218	0.2	92	0.00	2.07
30	T	ACRYLONITRILE	1.255	1.180	6.0	96	0.00	2.28
31	T	METHYLENE CHLORIDE	1.377	1.321	4.1	99	0.00	2.44
32	T	3-CHLOROPROPENE	0.705	0.729	-3.4	99	0.00	2.48
33	T	FREON 113	2.106	1.904	9.6	83	0.00	2.53
34	T	TRANS-1,2-DICHLOROETHENE	1.305	1.312	-0.5	95	0.00	2.76
35	T	TERTIARY BUTYL ALCOHOL	3.251	3.494	-7.5	98	0.00	2.42
36	t	METHYL TERTIARY BUTYL ETH	3.279	3.587	-9.4	103	0.00	2.87
37	T	TETRAHYDROFURAN	0.625	0.694	-11.0	99	0.00	3.56
38	T	HEXANE	2.729	2.834	-3.8	101	0.00	3.33
39	T	VINYL ACETATE	0.298	0.330	-10.7	103	0.00	2.91
40	T	1,1-DICHLOROETHANE	2.432	2.841	-16.8	110	0.00	2.84
41	T	METHYL ETHYL KETONE	0.665	0.732	-10.1	103	0.00	3.00
42	T	CIS-1,2-DICHLOROETHENE	1.384	1.473	-6.4	101	0.00	3.20

Continuing Calibration Summary

Job Number: JE2489 **Sample:** V7W392-CC305
Account: GESNYP Groundwater & Environmental Services **Lab FileID:** 7W10743.D
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

43	T	DIISOPROPYL ETHER	0.710	0.788	-11.0	101	0.00	3.33
44	T	ETHYL ACETATE	0.522	0.571	-9.4	102	0.00	3.34
45	T	METHYL ACRYLATE	2.989	3.277	-9.6	99	0.00	3.32
46	T	CHLOROFORM	2.799	2.905	-3.8	96	0.00	3.35
47	T	2,4-DIMETHYLPENTANE	2.920	3.178	-8.8	102	0.00	3.84
48	T	1,1,1-TRICHLOROETHANE	2.548	2.774	-8.9	103	0.00	3.92
49	T	CARBON TETRACHLORIDE	2.501	2.738	-9.5	100	0.00	4.34
50	T	1,2-DICHLOROETHANE	2.123	2.191	-3.2	97	0.00	3.75
51	t	BENZENE	4.119	4.181	-1.5	99	0.00	4.23
52	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	99	0.00	4.55
53	T	CYCLOHEXANE	0.353	0.363	-2.8	102	0.00	4.44
54	T	2,3-DIMETHYLPENTANE	0.181	0.188	-3.9	101	0.00	4.69
55	T	TRICHLOROETHENE	0.383	0.373	2.6	97	0.00	5.13
56	T	1,2-DICHLOROPROPANE	0.341	0.367	-7.6	105	0.00	4.89
57	T	DIBROMOMETHANE	0.321	0.317	1.2	100	0.00	4.85
58	T	ETHYL ACRYLATE	0.731	0.756	-3.4	100	0.00	5.01
59	T	BROMODICHLOROMETHANE	0.588	0.611	-3.9	98	0.00	5.07
60	T	2,2,4-TRIMETHYLPENTANE	1.619	1.632	-0.8	100	0.00	5.22
61	T	1,4-DIOXANE	0.210	0.199	5.2	96	-0.01	5.15
62	T	HEPTANE	0.568	0.526	7.4	93	0.00	5.54
63	T	METHYL METHACRYLATE	0.306	0.310	-1.3	100	0.00	5.43
64	T	METHYL ISOBUTYL KETONE	0.350	0.325	7.1	97	0.00	6.18
65	T	CIS-1,3-DICHLOROPROPENE	0.437	0.489	-11.9	104	0.00	6.06
66	T	TOLUENE	1.064	0.993	6.7	92	0.00	7.27
67	T	1,3-DICHLOROPROPANE	0.523	0.515	1.5	95	0.00	7.33
68	T	TRANS-1,3-DICHLOROPROPENE	0.358	0.425	-18.7	113	0.00	6.74
69	T	1,1,2-TRICHLOROETHANE	0.291	0.301	-3.4	100	0.00	6.90
70	T	2-HEXANONE	0.534	0.459	14.0	92	0.00	7.85
71	T	ETHYL METHACRYLATE	0.506	0.522	-3.2	98	0.00	7.97
72	T	TETRACHLOROETHENE	0.380	0.379	0.3	104	0.00	8.99
73	T	DIBROMOCHLOROMETHANE	0.557	0.577	-3.6	95	0.00	7.80
74	T	1,2-DIBROMOETHANE	0.512	0.526	-2.7	98	0.00	8.14
75	T	OCTANE	0.855	0.739	13.6	90	0.00	9.14
76	I	CHLOROBENZENE-D5	1.000	1.000	0.0	90	0.00	10.12
77	T	1,1,1,2-TETRACHLOROETHANE	0.429	0.507	-18.2	103	0.00	10.21
78	T	CHLOROBENZENE	0.968	0.982	-1.4	91	0.00	10.20
79	t	ETHYLBENZENE	1.587	1.539	3.0	89	0.00	11.08
80	t	M,P-XYLENE	1.253	1.217	2.9	88	0.00	11.51
81	t	O-XYLENE	1.258	1.228	2.4	88	0.00	12.44
82	T	STYRENE	0.910	0.932	-2.4	91	0.00	12.23
83	T	NONANE	0.995	0.955	4.0	88	0.00	13.56
84	T	BROMOFORM	0.544	0.603	-10.8	93	0.00	11.32
85	T	1,1,2,2-TETRACHLOROETHANE	0.886	0.948	-7.0	94	0.00	12.46
86	T	1,2,3-TRICHLOROPROPANE	0.716	0.736	-2.8	91	0.00	12.74
87	S	4-BROMOFLUOROBENZENE	0.734	0.716	2.5	89	0.00	13.48
88	T	ISOPROPYLBENZENE	0.477	0.492	-3.1	92	0.00	13.95
89	T	BROMOBENZENE	0.902	0.910	-0.9	90	0.00	13.82
90	T	2-CHLOROTOLUENE	0.437	0.455	-4.1	92	0.00	14.96
91	T	N-PROPYLBENZENE	0.491	0.517	-5.3	92	0.00	15.30
92	T	4-ETHYLTOLUENE	1.738	1.764	-1.5	88	0.00	15.74
93	T	1,3,5-TRIMETHYLBENZENE	1.462	1.445	1.2	87	0.00	16.00
94	T	ALPHA-METHYLSTYRENE	0.777	0.776	0.1	87	0.00	16.27
95	T	TERT-BUTYLBENZENE	0.350	0.360	-2.9	92	0.00	16.57
96	T	1,2,4-TRIMETHYLBENZENE	1.528	1.525	0.2	87	0.00	16.58
97	T	BENZYL CHLORIDE	0.445	0.913	-105.2#	145#	0.00	16.67
98	T	M-DICHLOROBENZENE	1.020	1.065	-4.4	91	0.00	16.64
99	T	P-DICHLOROBENZENE	1.011	1.028	-1.7	91	0.00	16.73
100	T	O-DICHLOROBENZENE	0.976	0.983	-0.7	91	0.00	17.04

Continuing Calibration Summary

Job Number: JE2489 **Sample:** V7W392-CC305
Account: GESNYP Groundwater & Environmental Services **Lab FileID:** 7W10743.D
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

101	T	SEC-BUTYLBENZENE	0.440	0.463	-5.2	92	0.00	16.87
102	T	1,2,3-TRIMETHYLBENZENE	1.547	1.509	2.5	87	0.00	16.99
103	T	P-ISOPROPYLTOLUENE	0.491	0.518	-5.5	92	0.00	17.06
104	T	N-BUTYLBENZENE	0.488	0.511	-4.7	90	0.00	17.42
105	T	HEXACHLOROETHANE	0.473	0.554	-17.1	101	0.00	17.60
106	T	HEXACHLOROBUTADIENE	0.734	0.795	-8.3	100	0.00	18.66
107	T	1,2,4-TRICHLOROBENZENE	0.977	0.971	0.6	92	0.00	18.35
108	T	NAPHTHALENE	2.554	2.197	14.0	82	0.00	18.40
109	I	BROMOCHLOROMETHANE (A)	1.000	1.000	0.0	95	0.00	3.27
110		TVHC as equiv Pentane	8.679	8.196	5.6	95	0.00	2.31

(#) = Out of Range SPCC's out = 0 CCC's out = 0
7w07980.D M7W305.M Mon Nov 25 21:33:21 2024

Run Sequence Report

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Run ID: V5W2125	**Method:** TO-15	**Instrument ID:** GCMS5W

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V5W2125-BFB	5W55458.D	12/09/24 03:34	n/a	BFB Tune
V5W2125-IC2125	5W55459.D	12/09/24 04:14	n/a	Initial cal 0.04
V5W2125-IC2125	5W55460.D	12/09/24 04:54	n/a	Initial cal 0.1
V5W2125-IC2125	5W55461.D	12/09/24 05:35	n/a	Initial cal 0.2
V5W2125-IC2125	5W55463.D	12/09/24 06:59	n/a	Initial cal 0.5
V5W2125-IC2125	5W55464.D	12/09/24 07:45	n/a	Initial cal 5
V5W2125-ICC2125	5W55466.D	12/09/24 09:03	n/a	Initial cal 10
V5W2125-IC2125	5W55467.D	12/09/24 09:45	n/a	Initial cal 20
V5W2125-IC2125	5W55468.D	12/09/24 10:29	n/a	Initial cal 40
V5W2125-IC2125	5W55469.D	12/09/24 11:14	n/a	Initial cal 50
V5W2125-ICV2125	5W55473.D	12/09/24 13:55	n/a	Initial cal verification 10

Run Sequence Report

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Run ID: V5W2136	**Method:** TO-15	**Instrument ID:** GCMS5W

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V5W2136-BFB	5W55777.D	12/20/24 12:26	n/a	BFB Tune
V5W2136-CC2125	5W55778.D	12/20/24 13:06	n/a	Continuing cal 10
V5W2136-BS	5W55779.D	12/20/24 13:55	n/a	Blank Spike
V5W2136-BSD	5W55781.D	12/20/24 15:34	n/a	Blank Spike Duplicate
V5W2136-MB	5W55783.D	12/20/24 17:06	n/a	Method Blank
JE2665-1	5W55784.D	12/20/24 18:21	n/a	(used for QC only; not part of job JE2489)
JE2665-1DUP	5W55785.D	12/20/24 19:03	n/a	Duplicate
JE2489-2	5W55786.D	12/20/24 19:55	n/a	IA-7
JE2489-3	5W55788.D	12/20/24 21:22	n/a	SS-8
JE2489-4	5W55789.D	12/20/24 22:14	n/a	IA-8
ZZZZZZ	5W55790.D	12/20/24 22:55	n/a	(unrelated sample)
ZZZZZZ	5W55791.D	12/20/24 23:46	n/a	(unrelated sample)
ZZZZZZ	5W55792.D	12/21/24 00:26	n/a	(unrelated sample)
ZZZZZZ	5W55793.D	12/21/24 01:09	n/a	(unrelated sample)
ZZZZZZ	5W55794.D	12/21/24 01:49	n/a	(unrelated sample)
ZZZZZZ	5W55795.D	12/21/24 02:30	n/a	(unrelated sample)
ZZZZZZ	5W55796.D	12/21/24 03:11	n/a	(unrelated sample)
ZZZZZZ	5W55797.D	12/21/24 03:54	n/a	(unrelated sample)
ZZZZZZ	5W55798.D	12/21/24 04:35	n/a	(unrelated sample)
ZZZZZZ	5W55799.D	12/21/24 05:21	n/a	(unrelated sample)
ZZZZZZ	5W55800.D	12/21/24 06:08	n/a	(unrelated sample)

Run Sequence Report

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Run ID: V5W2138	**Method:** TO-15	**Instrument ID:** GCMS5W

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V5W2138-BFB	5W55818.D	12/23/24 08:13	n/a	BFB Tune
V5W2138-CC2125	5W55819.D	12/23/24 09:11	n/a	Continuing cal 10
V5W2138-BS	5W55820.D	12/23/24 10:07	n/a	Blank Spike
V5W2138-BSD	5W55821.D	12/23/24 11:17	n/a	Blank Spike Duplicate
V5W2138-MB	5W55823.D	12/23/24 12:54	n/a	Method Blank
V5W2138-SCC	5W55824.D	12/23/24 14:29	n/a	Summa Cleaning Certification
JE2315-1	5W55825.D	12/23/24 15:24	n/a	(used for QC only; not part of job JE2489)
JE2315-1DUP	5W55826.D	12/23/24 16:11	n/a	Duplicate
ZZZZZZ	5W55827.D	12/23/24 16:52	n/a	(unrelated sample)
ZZZZZZ	5W55828.D	12/23/24 17:34	n/a	(unrelated sample)
JE2489-1	5W55829.D	12/23/24 18:20	n/a	SS-7
ZZZZZZ	5W55830.D	12/23/24 19:01	n/a	(unrelated sample)
ZZZZZZ	5W55831.D	12/23/24 19:43	n/a	(unrelated sample)
ZZZZZZ	5W55832.D	12/23/24 20:23	n/a	(unrelated sample)
ZZZZZZ	5W55833.D	12/23/24 21:09	n/a	(unrelated sample)
ZZZZZZ	5W55834.D	12/23/24 21:56	n/a	(unrelated sample)
ZZZZZZ	5W55835.D	12/23/24 22:42	n/a	(unrelated sample)
ZZZZZZ	5W55836.D	12/23/24 23:28	n/a	(unrelated sample)
ZZZZZZ	5W55837.D	12/24/24 00:14	n/a	(unrelated sample)
ZZZZZZ	5W55838.D	12/24/24 01:01	n/a	(unrelated sample)
ZZZZZZ	5W55839.D	12/24/24 01:54	n/a	(unrelated sample)
ZZZZZZ	5W55840.D	12/24/24 02:41	n/a	(unrelated sample)

Run Sequence Report

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Run ID: V7W305	**Method:** TO-15	**Instrument ID:** GCMS7W

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V7W305-BFB	7W07974.D	08/18/24 21:06	n/a	BFB Tune
V7W305-IC305	7W07975.D	08/18/24 21:40	n/a	Initial cal 0.04
V7W305-IC305	7W07976.D	08/18/24 22:13	n/a	Initial cal 0.10
V7W305-IC305	7W07977.D	08/18/24 22:49	n/a	Initial cal 0.20
V7W305-IC305	7W07978.D	08/18/24 23:22	n/a	Initial cal 0.50
V7W305-IC305	7W07979.D	08/19/24 00:01	n/a	Initial cal 5
V7W305-ICC305	7W07980.D	08/19/24 00:35	n/a	Initial cal 10
V7W305-IC305	7W07981.D	08/19/24 01:10	n/a	Initial cal 20
V7W305-IC305	7W07982.D	08/19/24 01:48	n/a	Initial cal 40
V7W305-IC305	7W07983.D	08/19/24 02:28	n/a	Initial cal 50
V7W305-ICV305	7W07990.D	08/19/24 06:28	n/a	Initial cal verification 10

Run Sequence Report

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Run ID: V7W369 **Method:** TO-15 **Instrument ID:** GCMS7W

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V7W369-BFB	7W09947.D	10/25/24 10:24	n/a	BFB Tune
V7W369-CC305	7W09948.D	10/25/24 11:00	n/a	Continuing cal 10
V7W369-BS	7W09949.D	10/25/24 12:02	n/a	Blank Spike
V7W369-BSD	7W09950.D	10/25/24 12:38	n/a	Blank Spike Duplicate
V7W369-MB	7W09952.D	10/25/24 14:04	n/a	Method Blank
ZZZZZZ	7W09953.D	10/25/24 15:54	n/a	(unrelated sample)
ZZZZZZ	7W09954.D	10/25/24 16:29	n/a	(unrelated sample)
ZZZZZZ	7W09955.D	10/25/24 17:04	n/a	(unrelated sample)
ZZZZZZ	7W09956.D	10/25/24 17:40	n/a	(unrelated sample)
JD98774-1	7W09957.D	10/25/24 18:22	n/a	(used for QC only; not part of job JE2489)
JD98774-1DUP	7W09958.D	10/25/24 19:04	n/a	Duplicate
ZZZZZZ	7W09959.D	10/25/24 19:46	n/a	(unrelated sample)
ZZZZZZ	7W09960.D	10/25/24 20:28	n/a	(unrelated sample)
ZZZZZZ	7W09961.D	10/25/24 21:10	n/a	(unrelated sample)
ZZZZZZ	7W09962.D	10/25/24 21:51	n/a	(unrelated sample)
ZZZZZZ	7W09963.D	10/25/24 22:32	n/a	(unrelated sample)
ZZZZZZ	7W09964.D	10/25/24 23:14	n/a	(unrelated sample)
ZZZZZZ	7W09965.D	10/25/24 23:55	n/a	(unrelated sample)
ZZZZZZ	7W09966.D	10/26/24 00:32	n/a	(unrelated sample)
ZZZZZZ	7W09971.D	10/26/24 03:25	n/a	(unrelated sample)
ZZZZZZ	7W09972.D	10/26/24 04:01	n/a	(unrelated sample)
V7W369-SCC	7W09976.D	10/26/24 06:41	n/a	Summa Cleaning Certification
V7W369-SCC	7W09977.D	10/26/24 07:22	n/a	Summa Cleaning Certification
V7W369-SCC	7W09978.D	10/26/24 08:03	n/a	Summa Cleaning Certification
V7W369-SCC	7W09979.D	10/26/24 08:43	n/a	Summa Cleaning Certification

Run Sequence Report

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Run ID: V7W387	**Method:** TO-15	**Instrument ID:** GCMS7W

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V7W387-BFB	7W10575.D	11/18/24 08:59	n/a	BFB Tune
V7W387-CC305	7W10576.D	11/18/24 09:35	n/a	Continuing cal 10
V7W387-BS	7W10577.D	11/18/24 10:11	n/a	Blank Spike
V7W387-BSD	7W10578.D	11/18/24 10:46	n/a	Blank Spike Duplicate
V7W387-MB	7W10580.D	11/18/24 12:04	n/a	Method Blank
JD99820-1	7W10582.D	11/18/24 13:59	n/a	(used for QC only; not part of job JE2489)
JD99820-1DUP	7W10583.D	11/18/24 14:40	n/a	Duplicate
ZZZZZZ	7W10584.D	11/18/24 15:21	n/a	(unrelated sample)
ZZZZZZ	7W10586.D	11/18/24 16:44	n/a	(unrelated sample)
ZZZZZZ	7W10587.D	11/18/24 17:25	n/a	(unrelated sample)
ZZZZZZ	7W10588.D	11/18/24 18:07	n/a	(unrelated sample)
ZZZZZZ	7W10590.D	11/18/24 19:30	n/a	(unrelated sample)
ZZZZZZ	7W10591.D	11/18/24 20:11	n/a	(unrelated sample)
ZZZZZZ	7W10592.D	11/18/24 20:52	n/a	(unrelated sample)
ZZZZZZ	7W10593.D	11/18/24 21:28	n/a	(unrelated sample)
ZZZZZZ	7W10594.D	11/18/24 22:04	n/a	(unrelated sample)
ZZZZZZ	7W10595.D	11/18/24 22:41	n/a	(unrelated sample)
ZZZZZZ	7W10597.D	11/18/24 23:53	n/a	(unrelated sample)
ZZZZZZ	7W10598.D	11/19/24 00:29	n/a	(unrelated sample)
ZZZZZZ	7W10599.D	11/19/24 01:06	n/a	(unrelated sample)
ZZZZZZ	7W10601.D	11/19/24 02:18	n/a	(unrelated sample)
ZZZZZZ	7W10602.D	11/19/24 02:55	n/a	(unrelated sample)
V7W387-SCC	7W10603.D	11/19/24 03:31	n/a	Summa Cleaning Certification
V7W387-SCC	7W10604.D	11/19/24 04:07	n/a	Summa Cleaning Certification
V7W387-SCC	7W10605.D	11/19/24 04:48	n/a	Summa Cleaning Certification
V7W387-SCC	7W10606.D	11/19/24 05:29	n/a	Summa Cleaning Certification
V7W387-SCC	7W10607.D	11/19/24 06:10	n/a	Summa Cleaning Certification
ZZZZZZ	7W10608.D	11/19/24 06:51	n/a	(unrelated sample)

Run Sequence Report

Job Number: JE2489
Account: GESNYP Groundwater & Environmental Services
Project: Regency Center Carmel ShopRite Plaza, Carmel, NY

Run ID: V7W392 **Method:** TO-15 **Instrument ID:** GCMS7W

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V7W392-BFB	7W10742.D	11/25/24 08:36	n/a	BFB Tune
V7W392-CC305	7W10743.D	11/25/24 09:11	n/a	Continuing cal 10
V7W392-BS	7W10744.D	11/25/24 09:50	n/a	Blank Spike
V7W392-BSD	7W10745.D	11/25/24 10:26	n/a	Blank Spike Duplicate
V7W392-MB	7W10747.D	11/25/24 11:46	n/a	Method Blank
ZZZZZZ	7W10748.D	11/25/24 12:29	n/a	(unrelated sample)
ZZZZZZ	7W10749.D	11/25/24 13:04	n/a	(unrelated sample)
ZZZZZZ	7W10750.D	11/25/24 13:39	n/a	(unrelated sample)
ZZZZZZ	7W10751.D	11/25/24 14:14	n/a	(unrelated sample)
ZZZZZZ	7W10752.D	11/25/24 14:56	n/a	(unrelated sample)
JE994-2	7W10754.D	11/25/24 16:07	n/a	(used for QC only; not part of job JE2489)
ZZZZZZ	7W10757.D	11/25/24 17:55	n/a	(unrelated sample)
ZZZZZZ	7W10758.D	11/25/24 18:30	n/a	(unrelated sample)
ZZZZZZ	7W10759.D	11/25/24 19:05	n/a	(unrelated sample)
ZZZZZZ	7W10760.D	11/25/24 19:40	n/a	(unrelated sample)
ZZZZZZ	7W10761.D	11/25/24 20:16	n/a	(unrelated sample)
ZZZZZZ	7W10763.D	11/25/24 21:26	n/a	(unrelated sample)
ZZZZZZ	7W10764.D	11/25/24 22:01	n/a	(unrelated sample)
JE1061-10	7W10765.D	11/25/24 22:38	n/a	(used for QC only; not part of job JE2489)
ZZZZZZ	7W10766.D	11/25/24 23:19	n/a	(unrelated sample)
ZZZZZZ	7W10767.D	11/26/24 00:00	n/a	(unrelated sample)
ZZZZZZ	7W10768.D	11/26/24 00:42	n/a	(unrelated sample)
ZZZZZZ	7W10771.D	11/26/24 02:42	n/a	(unrelated sample)
V7W392-SCC	7W10772.D	11/26/24 03:23	n/a	Summa Cleaning Certification
V7W392-SCC	7W10773.D	11/26/24 04:04	n/a	Summa Cleaning Certification
V7W392-SCC	7W10774.D	11/26/24 04:44	n/a	Summa Cleaning Certification
V7W392-SCC	7W10775.D	11/26/24 05:25	n/a	Summa Cleaning Certification
V7W392-SCC	7W10777.D	11/26/24 06:47	n/a	Summa Cleaning Certification
JE1061-10DUP	7W10779.D	11/26/24 08:24	n/a	Duplicate

MS Volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\122424\v5w2138\
Data File : 5w55829.D
Acq On : 23 Dec 2024 6:20 pm
Operator : thomash
Sample : je2489-1 Inst : GCMS5W
Misc : MS88104,V5W2138,400,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 24 17:04:22 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

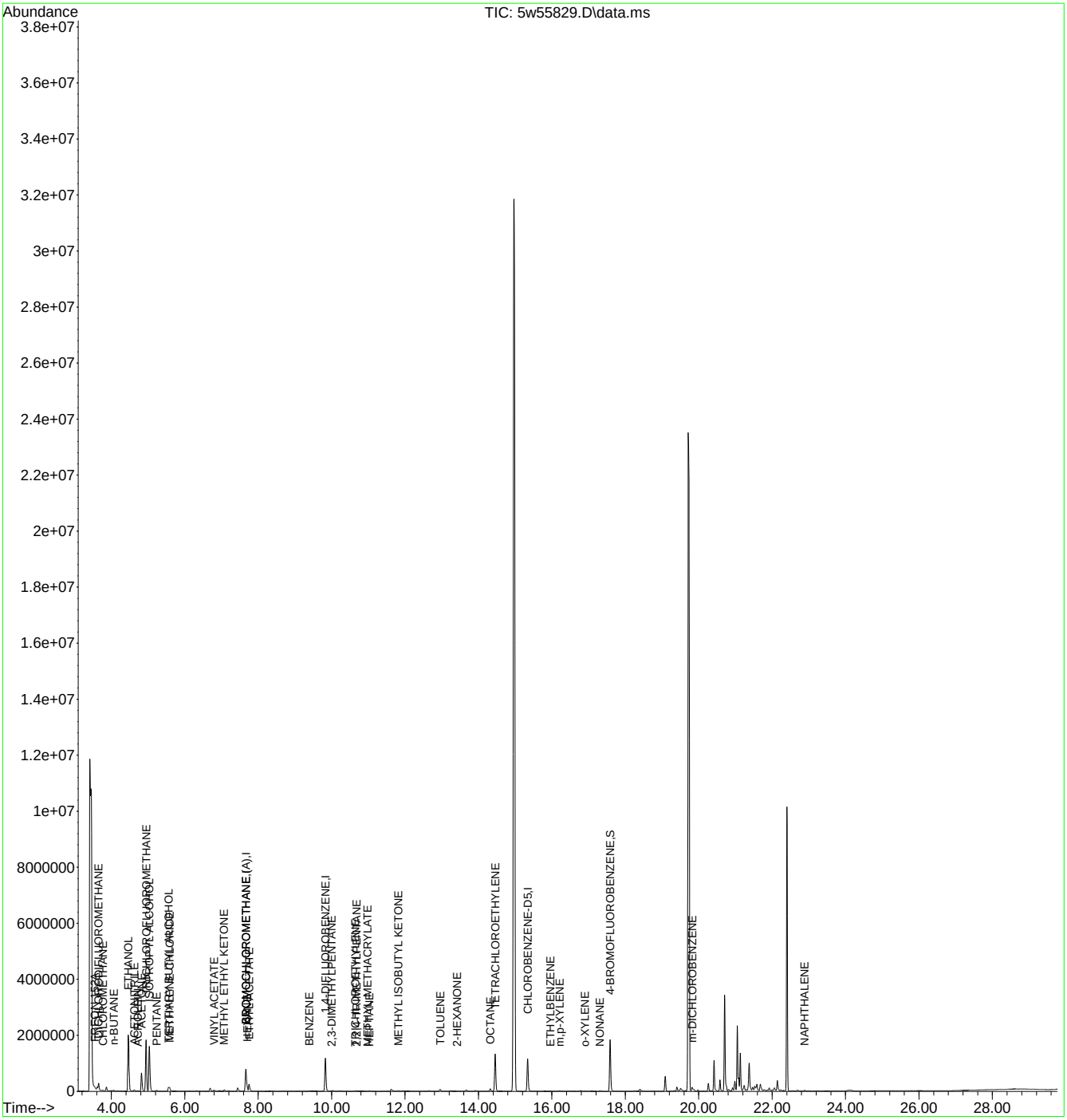
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	7.663	128	211041	10.00	PPBV	# 0.00
51) 1,4-DIFLUOROBENZENE	9.829	114	1036893	10.00	PPBV	0.00
70) CHLOROBENZENE-D5	15.341	82	471557	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	7.663	128	211041	10.00	PPBV	# 0.00
System Monitoring Compounds						
85) 4-BROMOFLUOROBENZENE	17.586	95	670279	12.70	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 127.00%			
Target Compounds						Qvalue
3) FREON 152A	3.546	65	17379	1.1130	PPBV	49
6) DICHLORODIFLUOROMETHANE	3.650	85	210970	2.7355	PPBV	99
10) CHLOROMETHANE	3.772	52	1099	0.1105	PPBV #	62
13) n-BUTANE	4.066	43	27836	0.6174	PPBV #	95
17) ACETONITRILE	4.622	41	51545	1.9793	PPBV	98
18) ACROLEIN	4.714	56	6750	0.5936	PPBV	86
21) TRICHLOROFLUOROMETHANE	4.947	101	1484831	20.8336	PPBV	100
22) ISOPROPYL ALCOHOL	5.032	45	2207829	48.8918	PPBV	99
23) ACETONE	4.818	58	237453	13.9504	PPBV	98
24) PENTANE	5.234	42	15341	0.6839	PPBV	92
28) ETHANOL	4.463	45	2644606	159.7940	PPBV	100
31) METHYLENE CHLORIDE	5.589	84	42207	1.9068	PPBV	94
35) TERTIARY BUTYL ALCOHOL	5.558	59	181652	4.2763	PPBV	89
38) HEXANE	7.700	57	54040	1.6343	PPBV	91
39) VINYL ACETATE	6.800	86	3585	0.9485	PPBV #	47
41) METHYL ETHYL KETONE	7.069	72	19456	2.1253	PPBV	90
44) ETHYL ACETATE	7.755	61	44919	6.6517	PPBV #	77
52) BENZENE	9.394	78	19529	0.2598	PPBV	98
54) 2,3-DIMETHYLPENTANE	10.000	71	2655	0.1742	PPBV #	8
55) TRICHLOROETHYLENE	10.648	95	2017	0.0509	PPBV	98
60) 2,2,4-TRIMETHYLPENTANE	10.679	57	15650	0.1371	PPBV	65
62) HEPTANE	11.028	43	13100	0.3286	PPBV	70
63) METHYL METHACRYLATE	10.973	69	2730	0.1093	PPBV #	87
64) METHYL ISOBUTYL KETONE	11.817	58	3507	0.1651	PPBV #	40
66) TOLUENE	12.961	92	36223	0.6891	PPBV	98
71) 2-HEXANONE	13.414	58	2898	0.1303	PPBV #	24
73) TETRACHLOROETHYLENE	14.460	164	383179	12.4406	PPBV	82
76) OCTANE	14.325	43	56160	1.3559	PPBV	84
79) ETHYLBENZENE	15.958	91	8525	0.0981	PPBV	91
80) m,p-XYLENE	16.209	106	8962	0.2717	PPBV	84
81) o-XYLENE	16.901	106	3223	0.1007	PPBV	93
83) NONANE	17.304	43	11293	0.2613	PPBV #	90
97) m-DICHLOROBENZENE	19.819	146	18214	0.2821	PPBV	96
108) NAPHTHALENE	22.884	128	24221	0.2113	PPBV	99

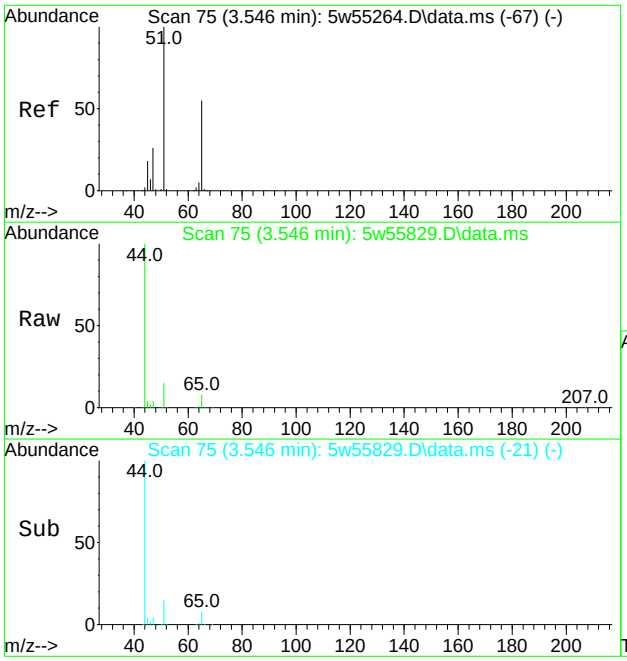
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\122424\v5w2138\
Data File : 5w55829.D
Acq On : 23 Dec 2024 6:20 pm
Operator : thomash
Sample : je2489-1 Inst : GCMS5W
Misc : MS88104,V5W2138,400,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 24 17:04:22 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

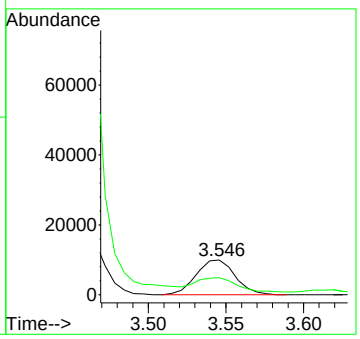


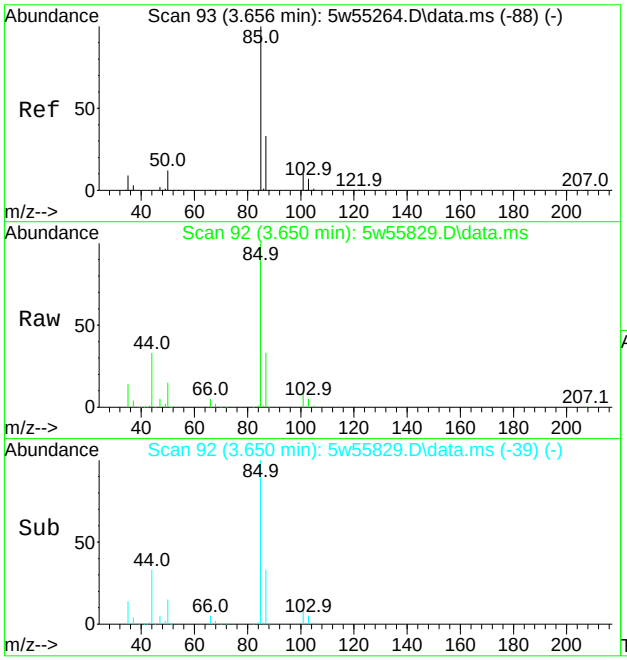


#3
FREON 152A
Concen: 1.1130 PPBV
RT: 3.546 min Scan# 75
Delta R.T. -0.000 min
Lab File: 5w55829.D
Acq: 23 Dec 2024 6:20 pm

Tgt Ion: 65 Resp: 17379

Ion	Ratio	Lower	Upper
65	100		
45	60.4	1.8	61.8

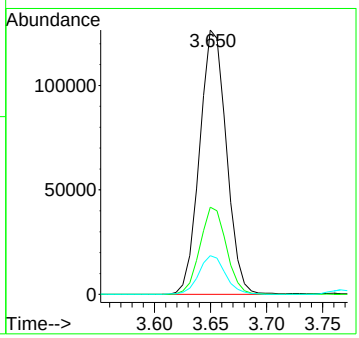


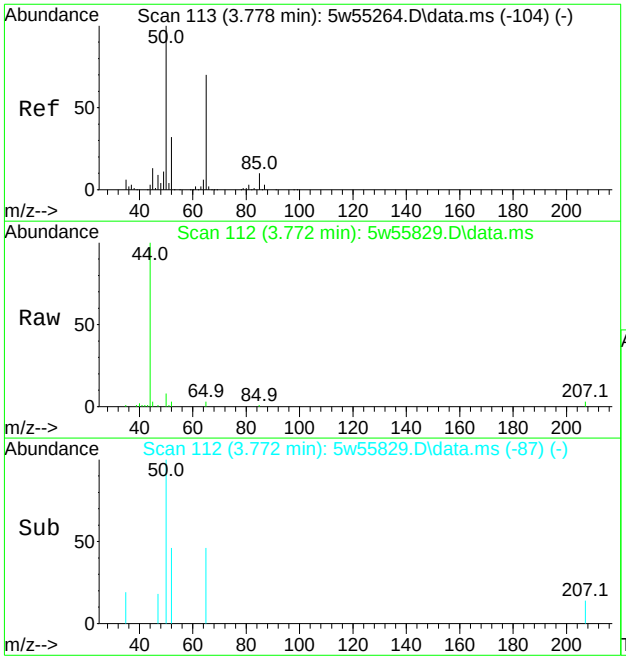


#6
DICHLORODIFLUOROMETHANE
Concen: 2.7355 PPBV
RT: 3.650 min Scan# 92
Delta R.T. -0.006 min
Lab File: 5w55829.D
Acq: 23 Dec 2024 6:20 pm

Tgt Ion: 85 Resp: 210970

Ion	Ratio	Lower	Upper
85	100		
87	32.5	2.6	62.6
50	14.6	0.0	43.0

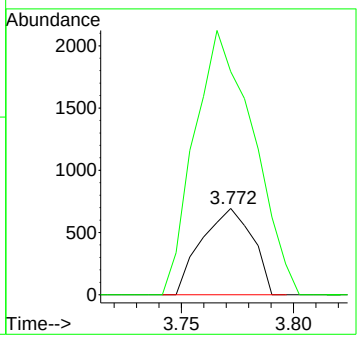


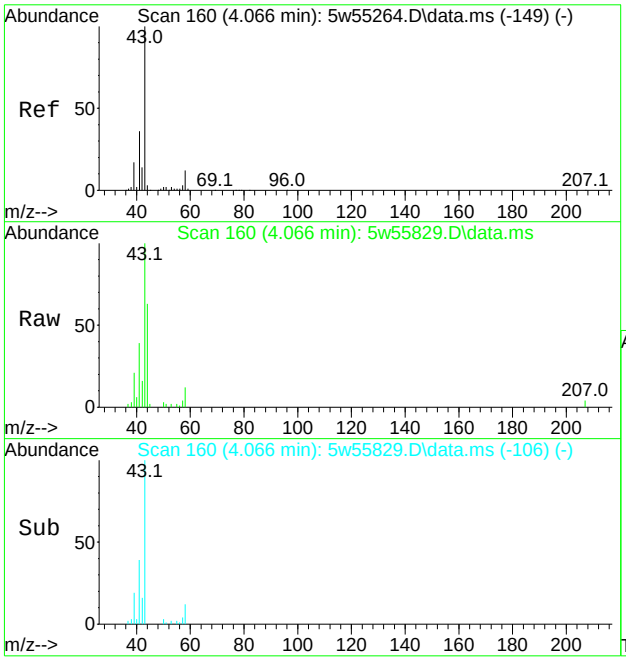


#10
CHLOROMETHANE
Concen: 0.1105 PPBV
RT: 3.772 min Scan# 112
Delta R.T. -0.000 min
Lab File: 5w55829.D
Acq: 23 Dec 2024 6:20 pm

Tgt Ion: 52 Resp: 1099

Ion	Ratio	Lower	Upper
52	100		
50	240.4	287.9	347.9#

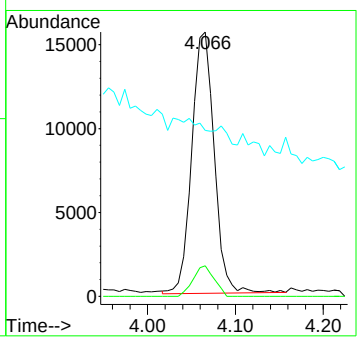


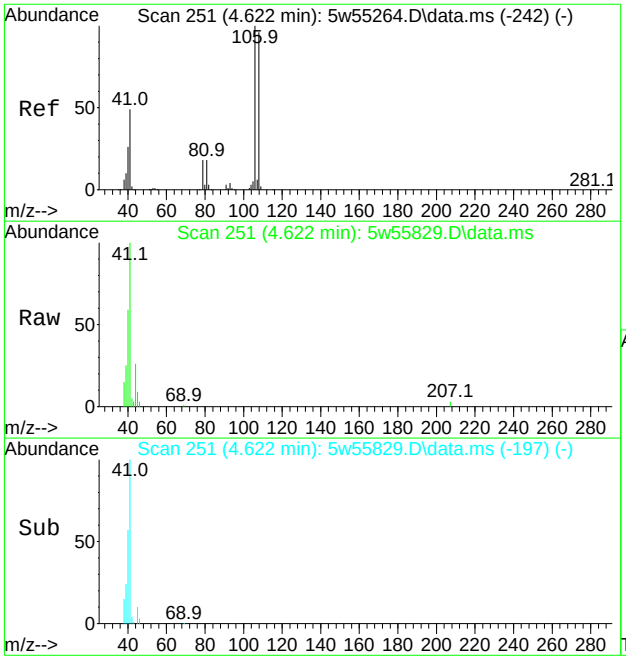


#13
n-BUTANE
Concen: 0.6174 PPBV
RT: 4.066 min Scan# 160
Delta R.T. -0.000 min
Lab File: 5w55829.D
Acq: 23 Dec 2024 6:20 pm

Tgt Ion: 43 Resp: 27836

Ion	Ratio	Lower	Upper
43	100		
58	11.0	0.0	41.6
44	0.0	0.0	34.7

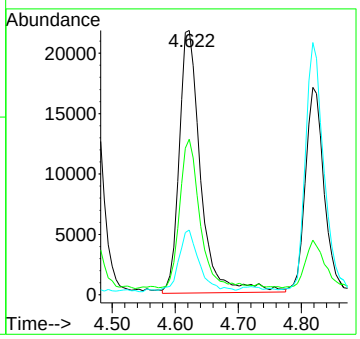


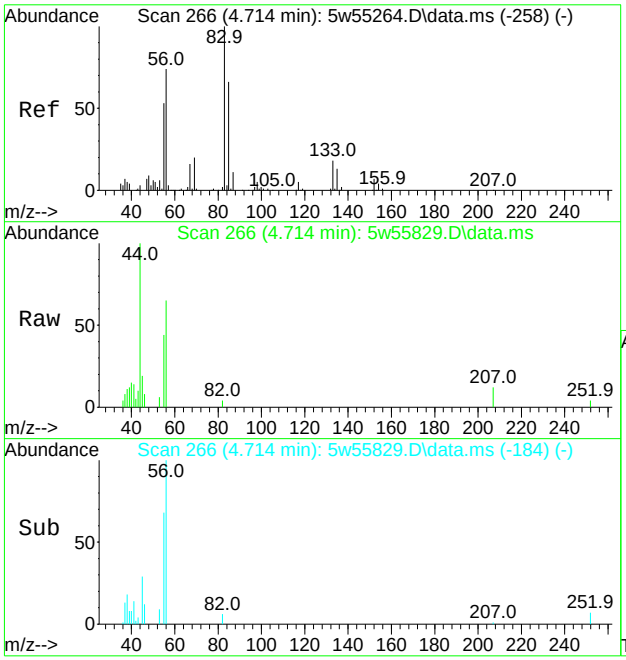


#17
ACETONITRILE
Concen: 1.9793 PPBV
RT: 4.622 min Scan# 251
Delta R.T. -0.000 min
Lab File: 5w55829.D
Acq: 23 Dec 2024 6:20 pm

Tgt Ion: 41 Resp: 51545

Ion	Ratio	Lower	Upper
41	100		
40	55.5	38.4	71.4
39	22.7	13.7	25.5

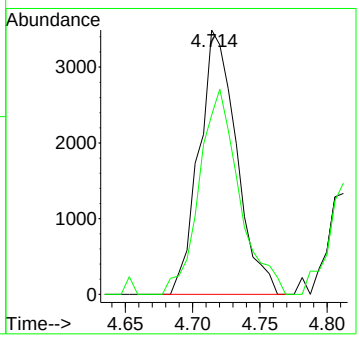


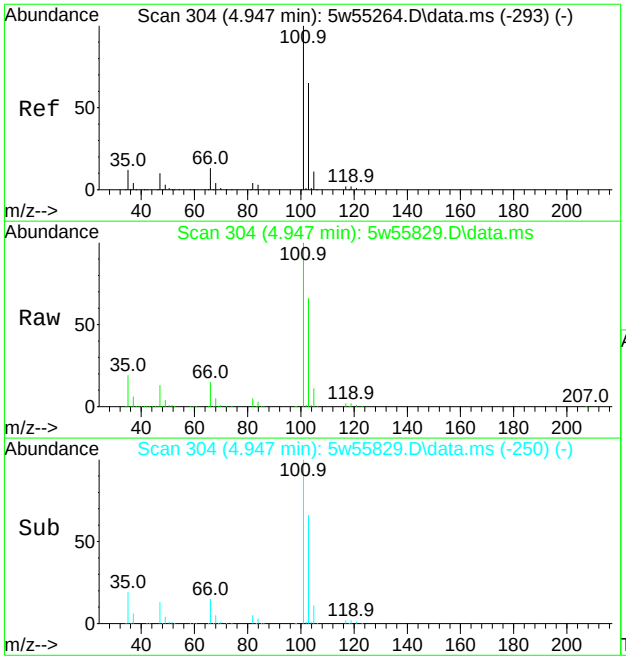


#18
ACROLEIN
Concen: 0.5936 PPBV
RT: 4.714 min Scan# 266
Delta R.T. -0.000 min
Lab File: 5w55829.D
Acq: 23 Dec 2024 6:20 pm

Tgt Ion: 56 Resp: 6750

Ion	Ratio	Lower	Upper
56	100		
55	82.8	49.8	92.6

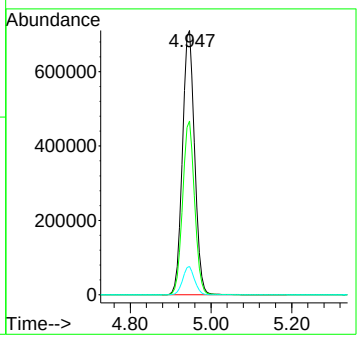


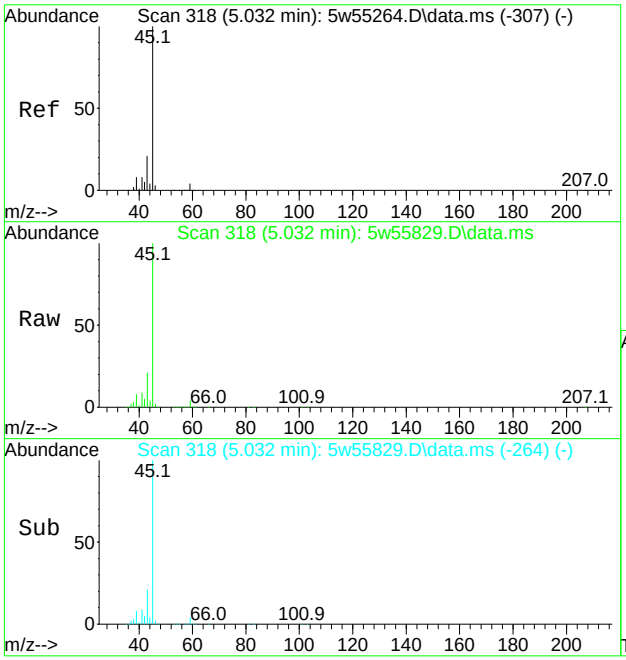


#21
TRICHLOROFLUOROMETHANE
Concen: 20.8336 PPBV
RT: 4.947 min Scan# 304
Delta R.T. -0.000 min
Lab File: 5w55829.D
Acq: 23 Dec 2024 6:20 pm

Tgt Ion:101 Resp: 1484831

Ion	Ratio	Lower	Upper
101	100		
103	64.9	34.7	94.7
105	10.4	0.0	40.5

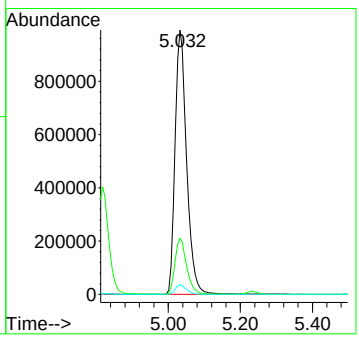


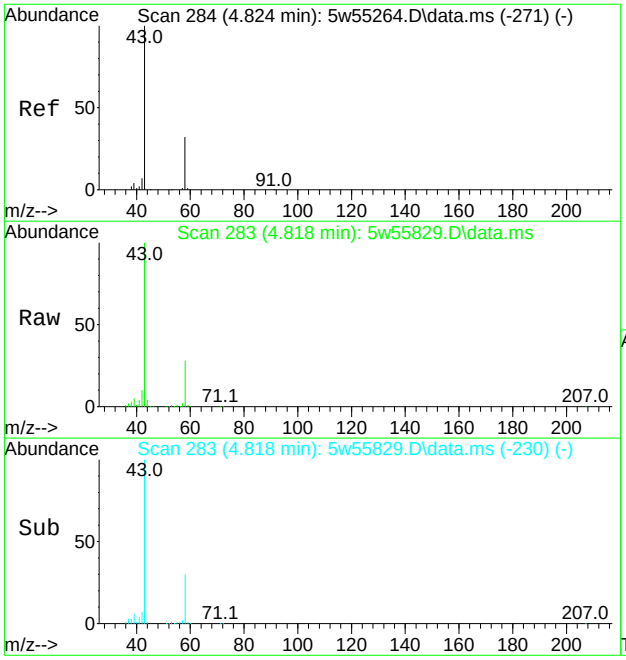


#22
ISOPROPYL ALCOHOL
Concen: 48.8918 PPBV
RT: 5.032 min Scan# 318
Delta R.T. -0.000 min
Lab File: 5w55829.D
Acq: 23 Dec 2024 6:20 pm

Tgt Ion: 45 Resp: 2207829

Ion	Ratio	Lower	Upper
45	100		
43	21.3	0.0	50.8
59	3.7	0.0	33.8

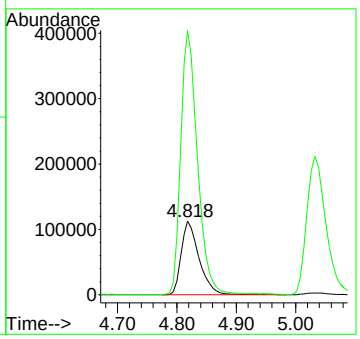


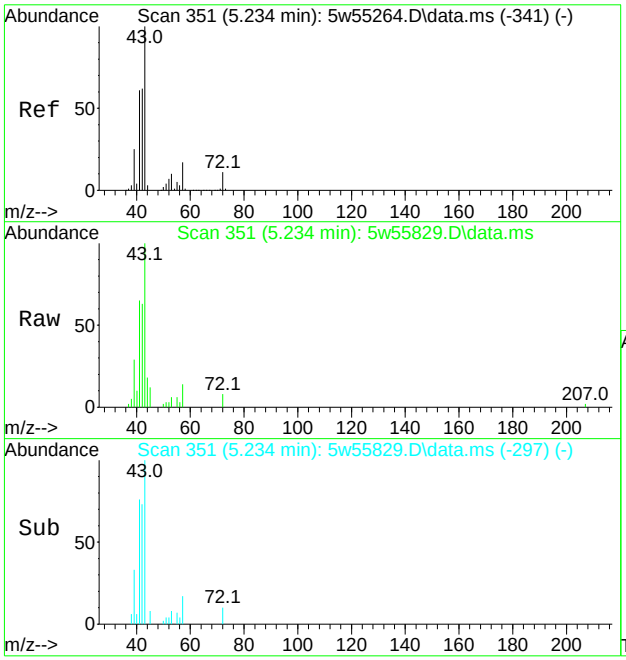


#23
ACETONE
Concen: 13.9504 PPBV
RT: 4.818 min Scan# 283
Delta R.T. -0.006 min
Lab File: 5w55829.D
Acq: 23 Dec 2024 6:20 pm

Tgt Ion: 58 Resp: 237453

Ion	Ratio	Lower	Upper
58	100		
43	337.2	312.3	372.3

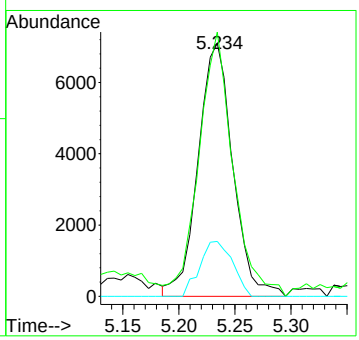


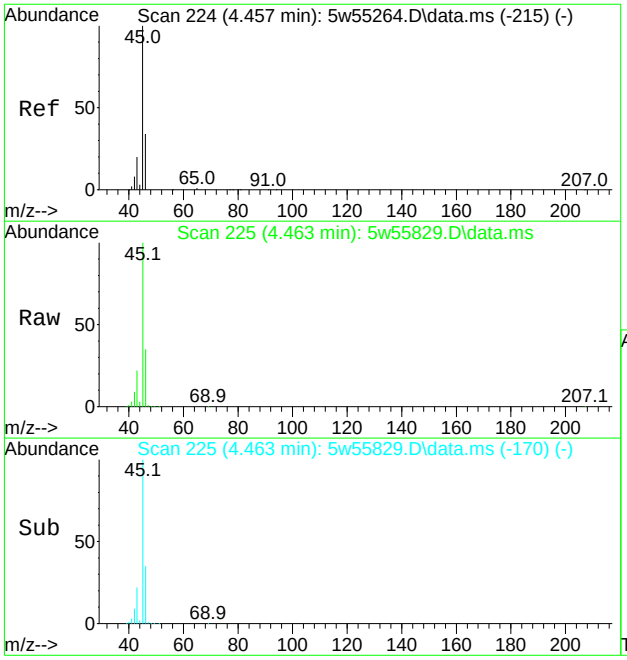


#24
PENTANE
Concen: 0.6839 PPBV
RT: 5.234 min Scan# 351
Delta R.T. -0.000 min
Lab File: 5w55829.D
Acq: 23 Dec 2024 6:20 pm

Tgt Ion: 42 Resp: 15341

Ion	Ratio	Lower	Upper
42	100		
41	102.1	64.4	124.4
57	20.4	0.0	55.0

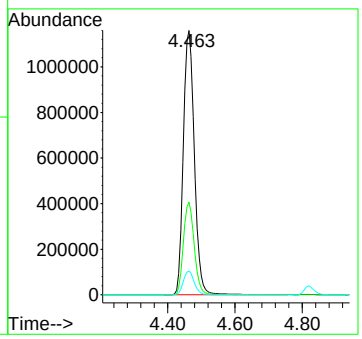


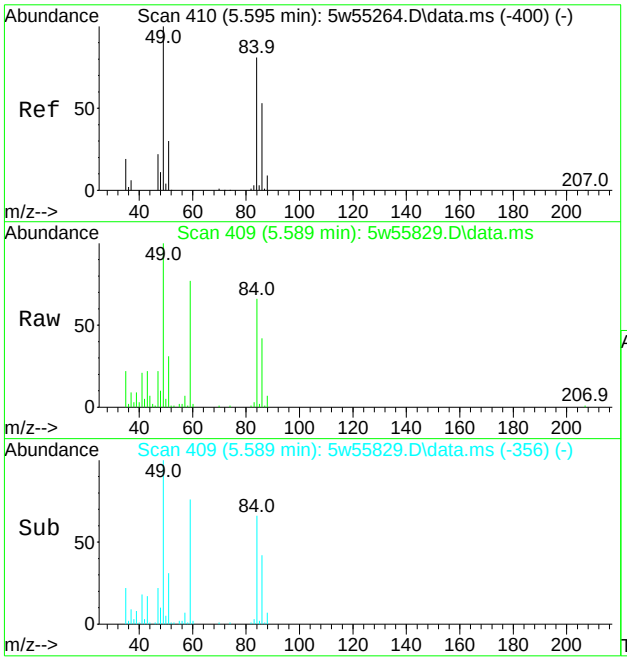


#28
ETHANOL
Concen: 159.7940 PPBV
RT: 4.463 min Scan# 225
Delta R.T. 0.006 min
Lab File: 5w55829.D
Acq: 23 Dec 2024 6:20 pm

Tgt Ion: 45 Resp: 2644606

Ion	Ratio	Lower	Upper
45	100		
46	34.7	4.5	64.5
42	8.9	0.0	38.6

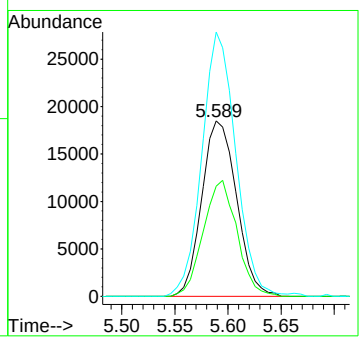


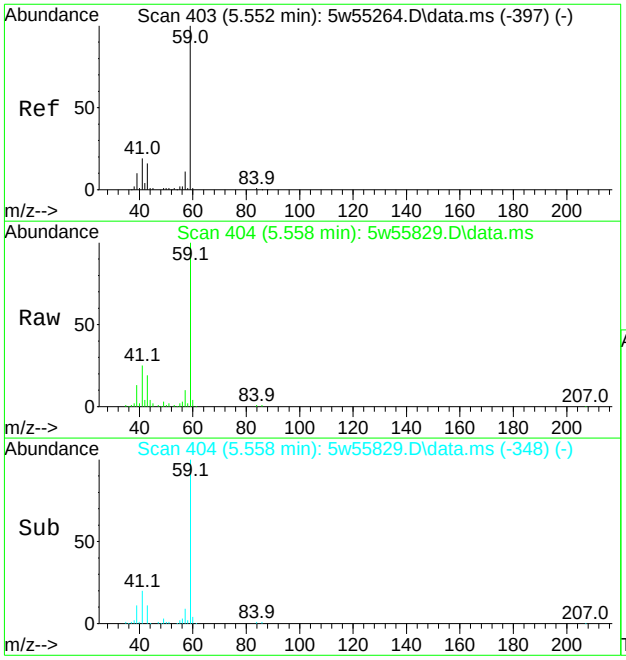


#31
METHYLENE CHLORIDE
Concen: 1.9068 PPBV
RT: 5.589 min Scan# 409
Delta R.T. -0.006 min
Lab File: 5w55829.D
Acq: 23 Dec 2024 6:20 pm

Tgt Ion: 84 Resp: 42207

Ion	Ratio	Lower	Upper
84	100		
86	63.9	34.0	94.0
49	146.9	105.8	165.8

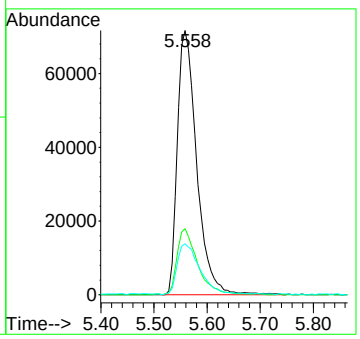


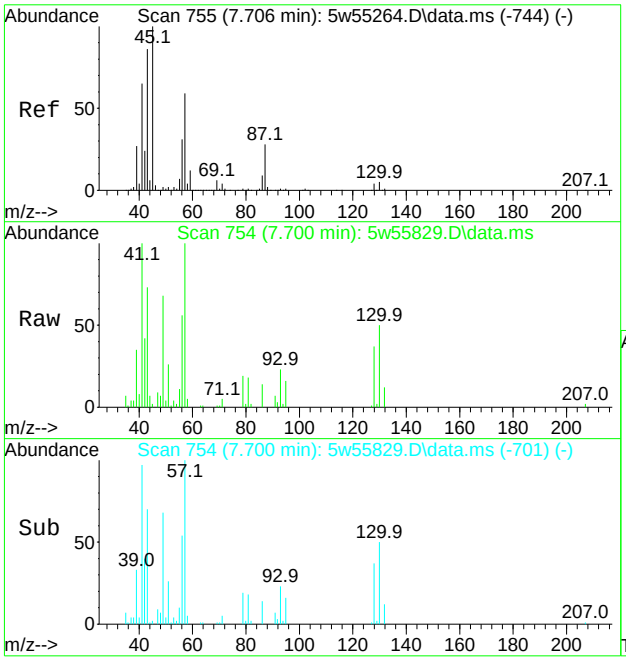


#35
TERTIARY BUTYL ALCOHOL
Concen: 4.2763 PPBV
RT: 5.558 min Scan# 404
Delta R.T. 0.012 min
Lab File: 5w55829.D
Acq: 23 Dec 2024 6:20 pm

Tgt Ion: 59 Resp: 181652

Ion	Ratio	Lower	Upper
59	100		
41	26.7	0.0	53.1
43	23.5	0.0	47.1

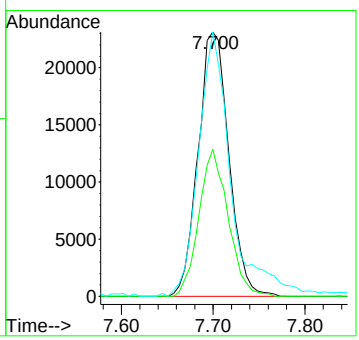


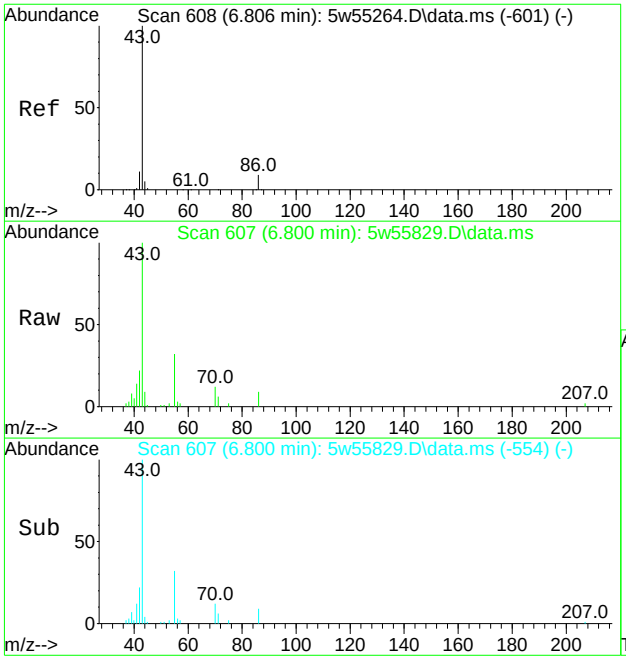


#38
HEXANE
Concen: 1.6343 PPBV
RT: 7.700 min Scan# 754
Delta R.T. -0.006 min
Lab File: 5w55829.D
Acq: 23 Dec 2024 6:20 pm

Tgt Ion: 57 Resp: 54040

Ion	Ratio	Lower	Upper
57	100		
56	52.8	24.2	84.2
41	107.8	92.1	152.1

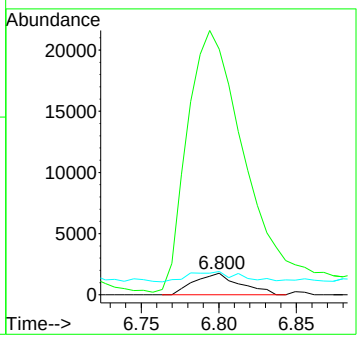


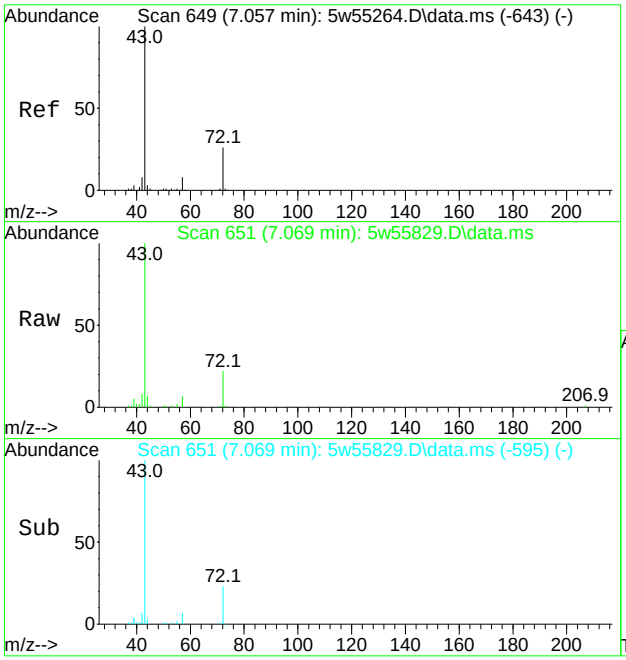


#39
VINYL ACETATE
Concen: 0.9485 PPBV
RT: 6.800 min Scan# 607
Delta R.T. -0.006 min
Lab File: 5w55829.D
Acq: 23 Dec 2024 6:20 pm

Tgt Ion: 86 Resp: 3585

Ion	Ratio	Lower	Upper
86	100		
43	1670.1	1335.5	1395.5#
44	60.5	40.9	100.9

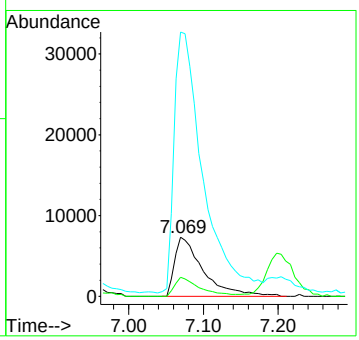


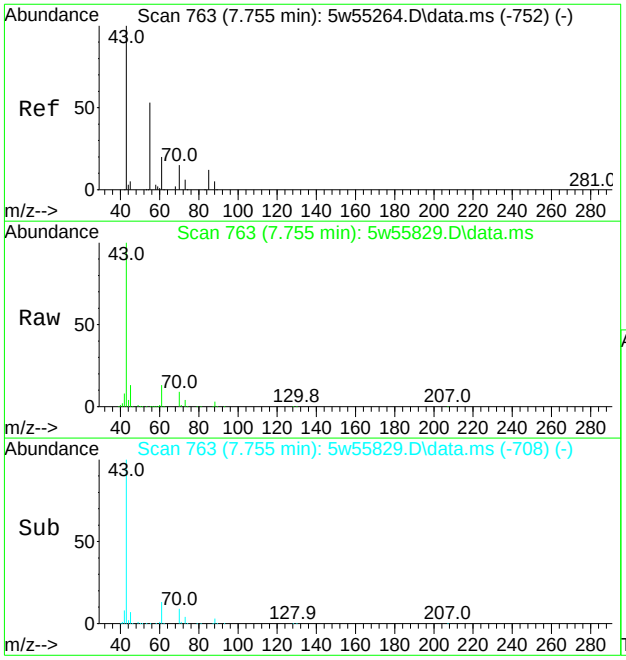


#41
METHYL ETHYL KETONE
Concen: 2.1253 PPBV
RT: 7.069 min Scan# 651
Delta R.T. 0.012 min
Lab File: 5w55829.D
Acq: 23 Dec 2024 6:20 pm

Tgt Ion: 72 Resp: 19456

Ion	Ratio	Lower	Upper
72	100		
57	32.2	1.1	61.1
43	446.3	390.6	450.6

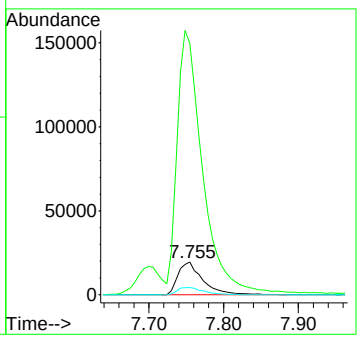


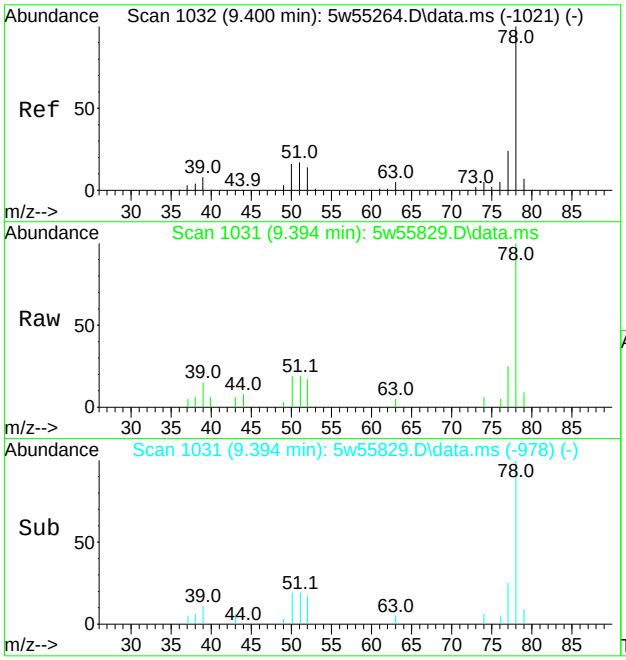


#44
ETHYL ACETATE
Concen: 6.6517 PPBV
RT: 7.755 min Scan# 763
Delta R.T. 0.006 min
Lab File: 5w55829.D
Acq: 23 Dec 2024 6:20 pm

Tgt Ion: 61 Resp: 44919

Ion	Ratio	Lower	Upper
61	100		
43	839.8	0.0	30.0#
88	23.6	7.3	67.3

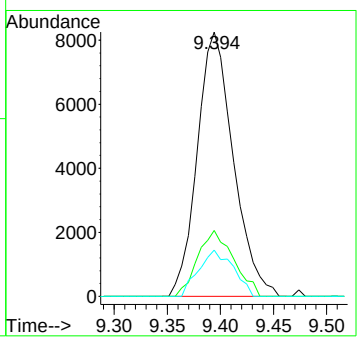


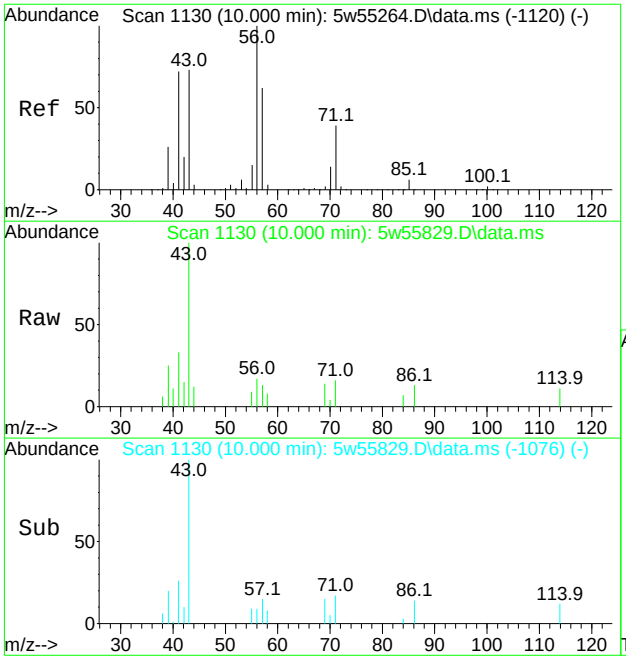


#52
BENZENE
Concen: 0.2598 PPBV
RT: 9.394 min Scan# 1031
Delta R.T. -0.006 min
Lab File: 5w55829.D
Acq: 23 Dec 2024 6:20 pm

Tgt Ion: 78 Resp: 19529

Ion	Ratio	Lower	Upper
78	100		
77	24.8	0.0	54.0
52	16.7	0.0	45.6

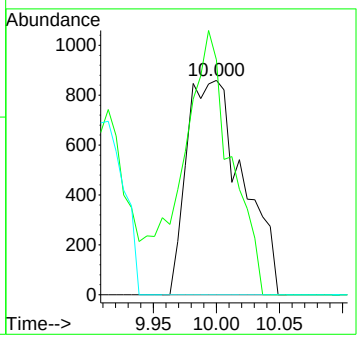


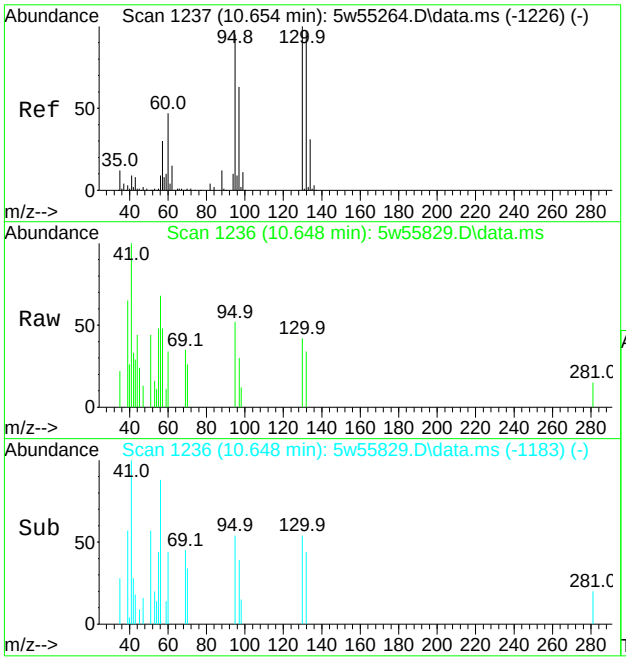


#54
2,3-DIMETHYLPENTANE
Concen: 0.1742 PPBV
RT: 10.000 min Scan# 1130
Delta R.T. -0.000 min
Lab File: 5w55829.D
Acq: 23 Dec 2024 6:20 pm

Tgt Ion: 71 Resp: 2655

Ion	Ratio	Lower	Upper
71	100		
56	93.3	235.4	295.4#
85	0.0	0.0	45.3

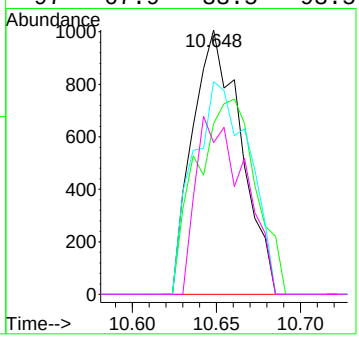


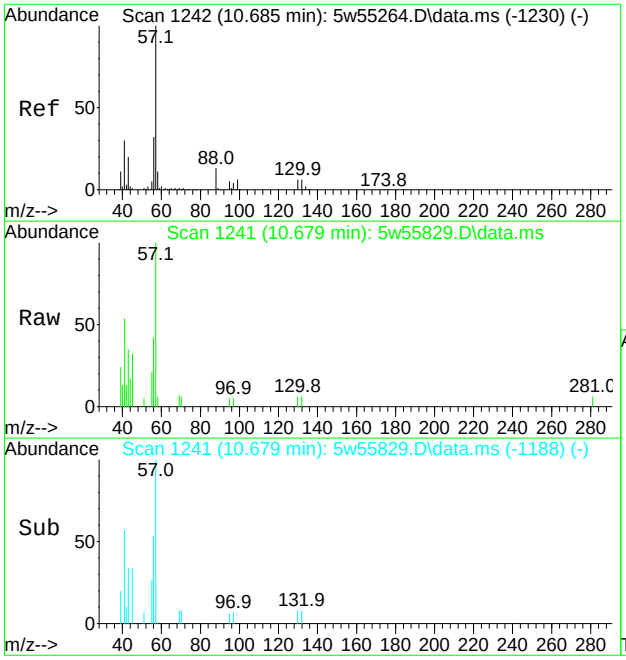


#55
TRICHLOROETHYLENE
Concen: 0.0509 PPBV
RT: 10.648 min Scan# 1236
Delta R.T. -0.006 min
Lab File: 5w55829.D
Acq: 23 Dec 2024 6:20 pm

Tgt Ion: 95 Resp: 2017

Ion	Ratio	Lower	Upper
95	100		
132	90.5	60.0	120.0
130	92.1	64.1	124.1
97	67.9	33.5	93.5

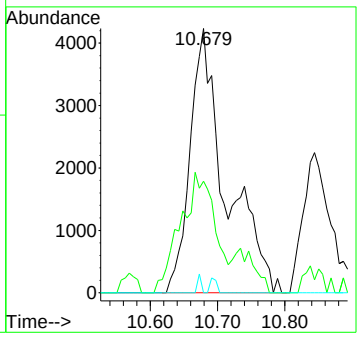


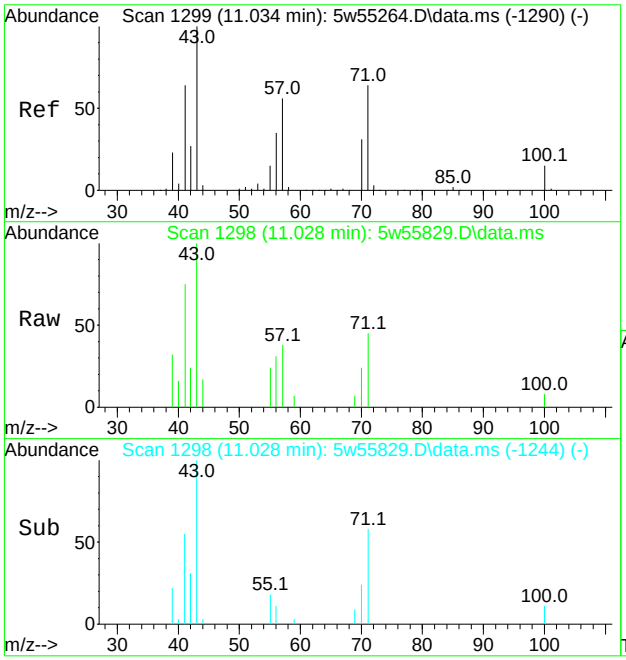


#60
2,2,4-TRIMETHYLPENTANE
Concen: 0.1371 PPBV
RT: 10.679 min Scan# 1241
Delta R.T. -0.006 min
Lab File: 5w55829.D
Acq: 23 Dec 2024 6:20 pm

Tgt Ion: 57 Resp: 15650

Ion	Ratio	Lower	Upper
57	100		
56	53.8	2.2	62.2
99	0.7	0.0	37.6

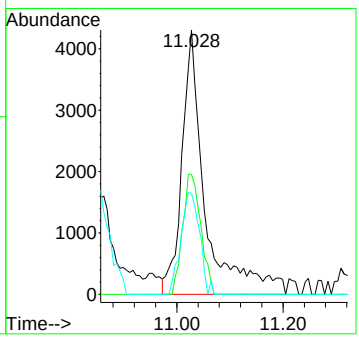


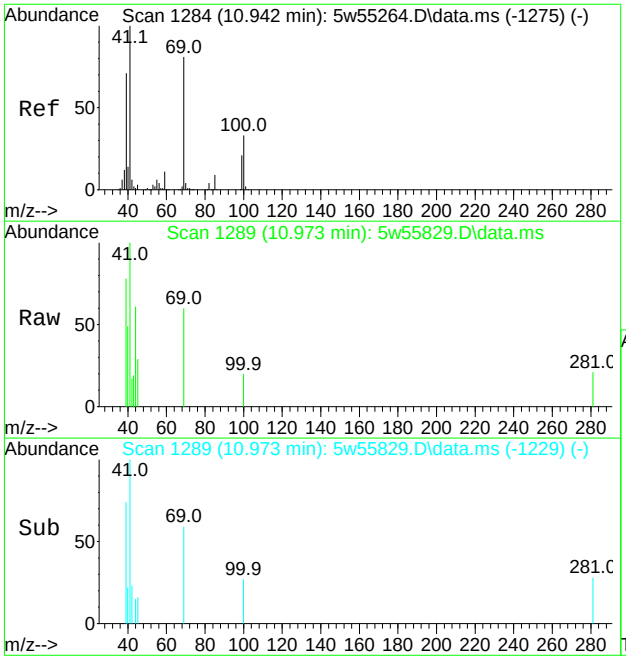


#62
HEPTANE
Concen: 0.3286 PPBV
RT: 11.028 min Scan# 1298
Delta R.T. -0.000 min
Lab File: 5w55829.D
Acq: 23 Dec 2024 6:20 pm

Tgt Ion: 43 Resp: 13100

Ion	Ratio	Lower	Upper
43	100		
71	35.5	27.2	87.2
57	31.0	22.5	82.5

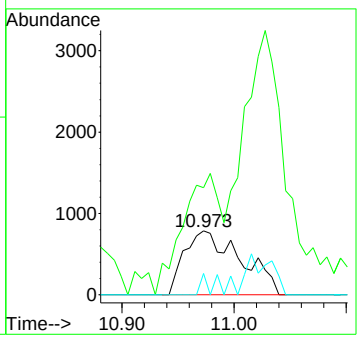


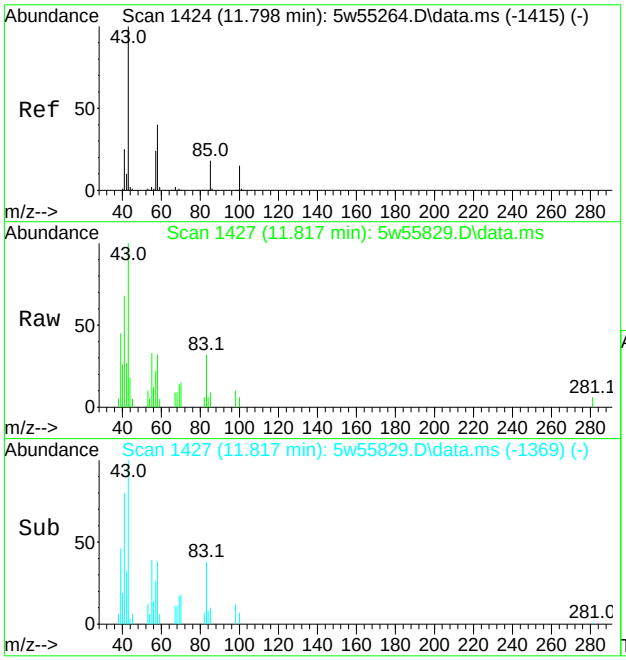


#63
METHYL METHACRYLATE
Concen: 0.1093 PPBV
RT: 10.973 min Scan# 1289
Delta R.T. 0.037 min
Lab File: 5w55829.D
Acq: 23 Dec 2024 6:20 pm

Tgt Ion: 69 Resp: 2730

Ion	Ratio	Lower	Upper
69	100		
41	128.9	97.3	157.3
100	0.0	3.0	63.0#

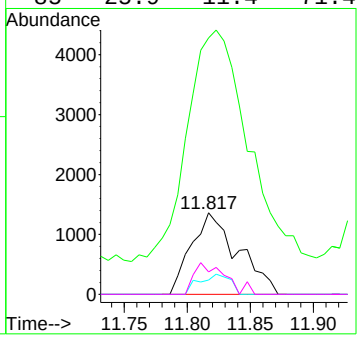


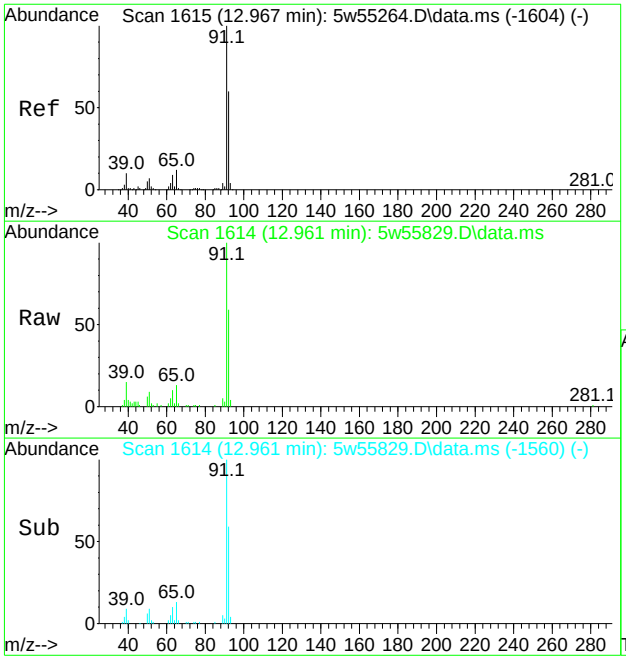


#64
METHYL ISOBUTYL KETONE
Concen: 0.1651 PPBV
RT: 11.817 min Scan# 1427
Delta R.T. 0.024 min
Lab File: 5w55829.D
Acq: 23 Dec 2024 6:20 pm

Tgt Ion: 58 Resp: 3507

Ion	Ratio	Lower	Upper
58	100		
43	391.7	236.1	296.1#
100	16.2	0.7	60.7
85	25.9	11.4	71.4

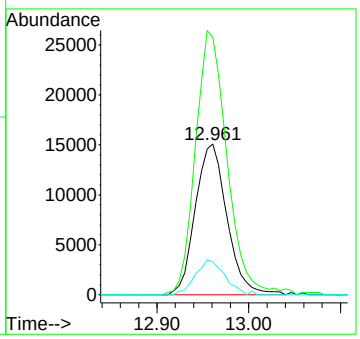


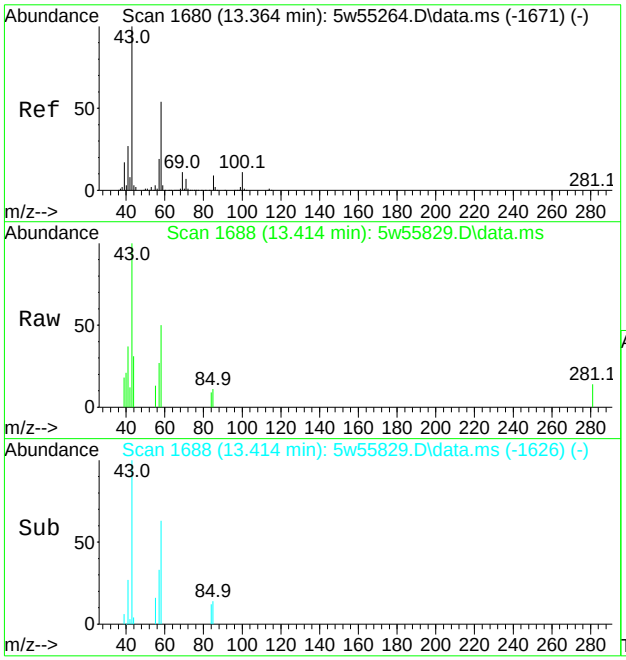


#66
TOLUENE
Concen: 0.6891 PPBV
RT: 12.961 min Scan# 1614
Delta R.T. -0.000 min
Lab File: 5w55829.D
Acq: 23 Dec 2024 6:20 pm

Tgt Ion: 92 Resp: 36223

Ion	Ratio	Lower	Upper
92	100		
91	175.3	143.4	203.4
65	21.7	0.0	53.8

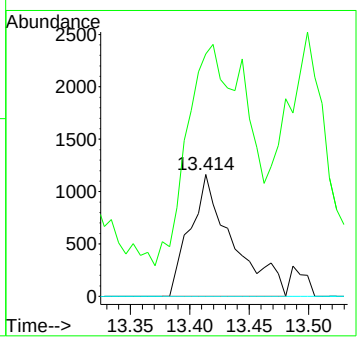


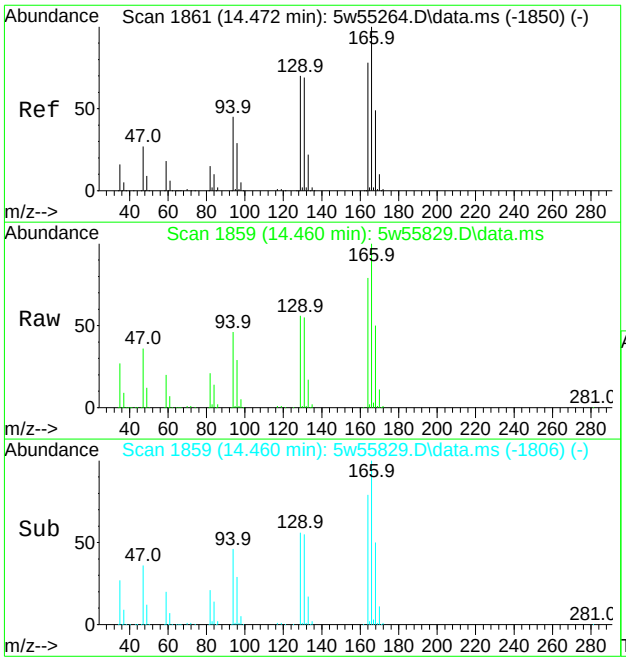


#71
2-HEXANONE
Concen: 0.1303 PPBV
RT: 13.414 min Scan# 1688
Delta R.T. 0.049 min
Lab File: 5w55829.D
Acq: 23 Dec 2024 6:20 pm

Tgt Ion: 58 Resp: 2898

Ion	Ratio	Lower	Upper
58	100		
43	305.6	159.0	219.0#
100	0.0	0.0	47.8

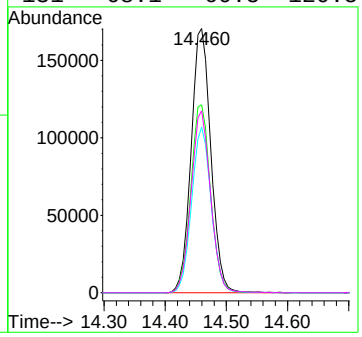


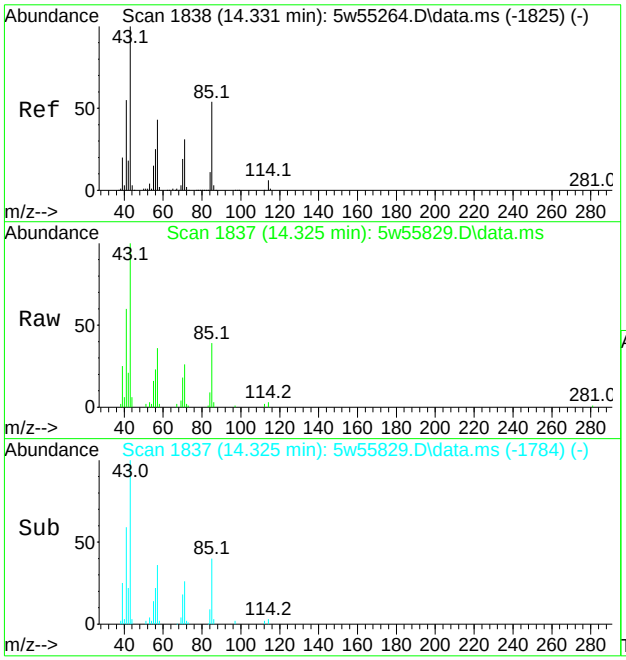


#73
TETRACHLOROETHYLENE
Concen: 12.4406 PPBV
RT: 14.460 min Scan# 1859
Delta R.T. -0.006 min
Lab File: 5w55829.D
Acq: 23 Dec 2024 6:20 pm

Tgt Ion:164 Resp: 383179

Ion	Ratio	Lower	Upper
164	100		
129	71.6	64.4	124.4
168	62.1	31.2	91.2
131	68.1	60.5	120.5

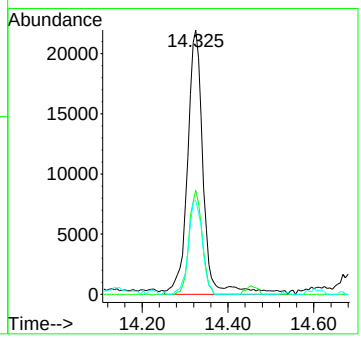


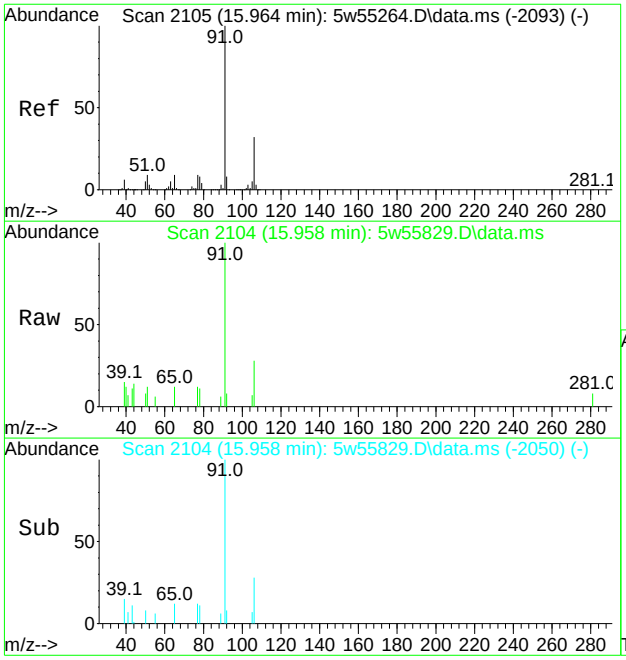


#76
OCTANE
Concen: 1.3559 PPBV
RT: 14.325 min Scan# 1837
Delta R.T. -0.006 min
Lab File: 5w55829.D
Acq: 23 Dec 2024 6:20 pm

Tgt Ion: 43 Resp: 56160

Ion	Ratio	Lower	Upper
43	100		
85	32.3	13.7	73.7
57	31.2	9.9	69.9

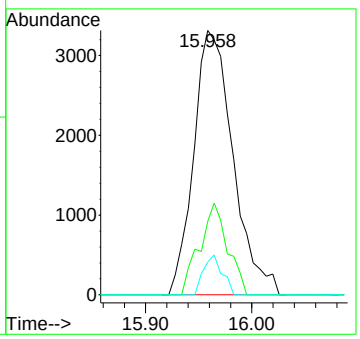


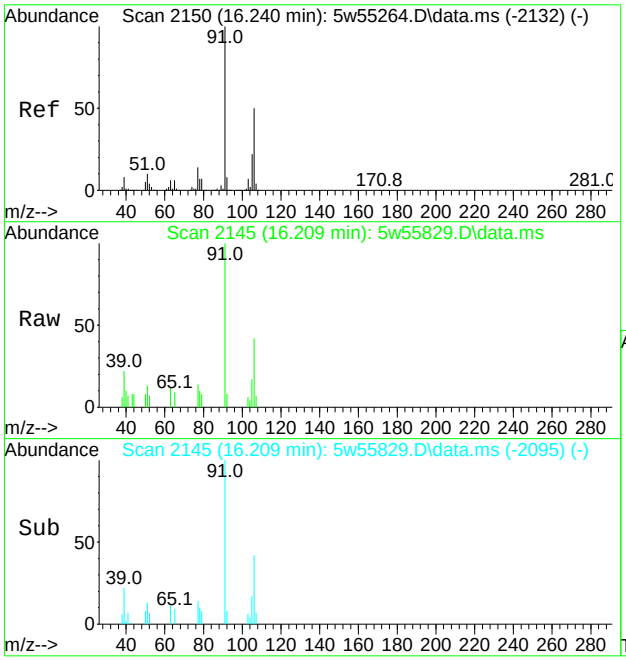


#79
ETHYLBENZENE
Concen: 0.0981 PPBV
RT: 15.958 min Scan# 2104
Delta R.T. -0.000 min
Lab File: 5w55829.D
Acq: 23 Dec 2024 6:20 pm

Tgt Ion: 91 Resp: 8525

Ion	Ratio	Lower	Upper
91	100		
106	24.7	0.0	59.9
77	7.2	0.0	39.1

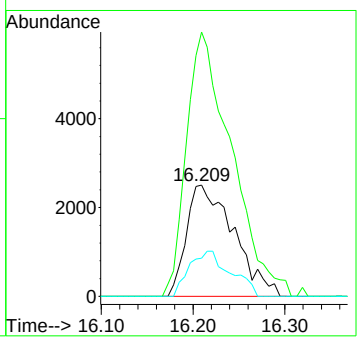


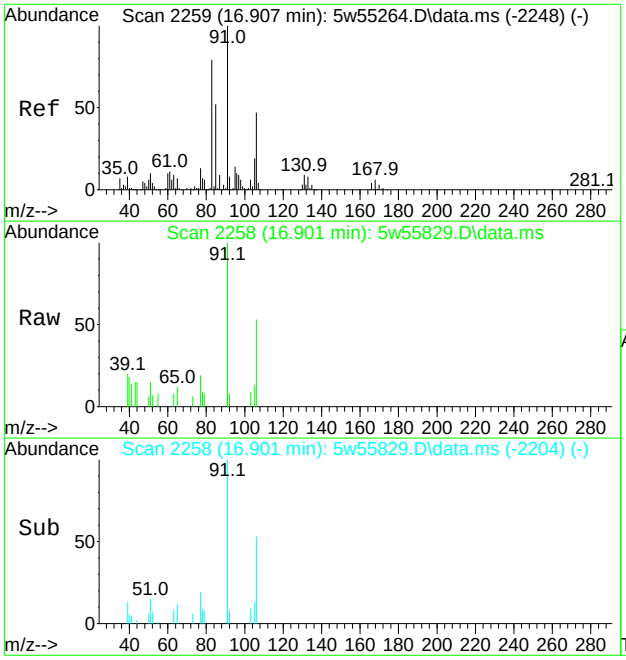


#80
m,p-XYLENE
Concen: 0.2717 PPBV
RT: 16.209 min Scan# 2145
Delta R.T. -0.025 min
Lab File: 5w55829.D
Acq: 23 Dec 2024 6:20 pm

Tgt Ion:106 Resp: 8962

Ion	Ratio	Lower	Upper
106	100		
91	237.6	181.2	241.2
77	34.3	0.1	60.1

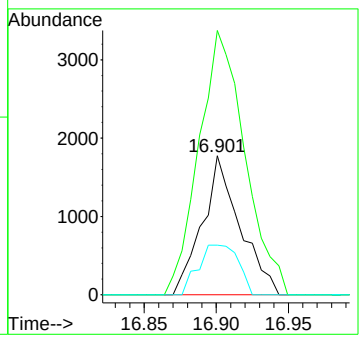


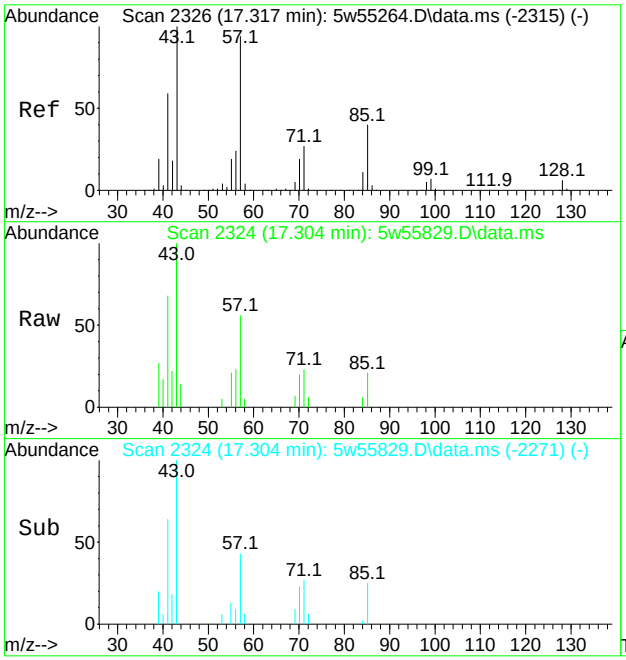


#81
o-XYLENE
Concen: 0.1007 PPBV
RT: 16.901 min Scan# 2258
Delta R.T. -0.000 min
Lab File: 5w55829.D
Acq: 23 Dec 2024 6:20 pm

Tgt Ion:106 Resp: 3223

Ion	Ratio	Lower	Upper
106	100		
91	232.7	193.4	253.4
77	38.0	0.0	59.8

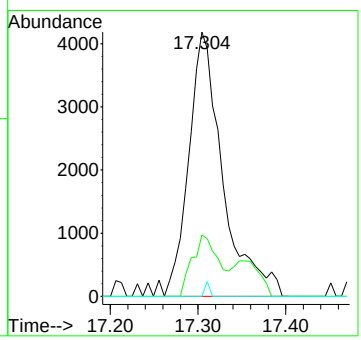


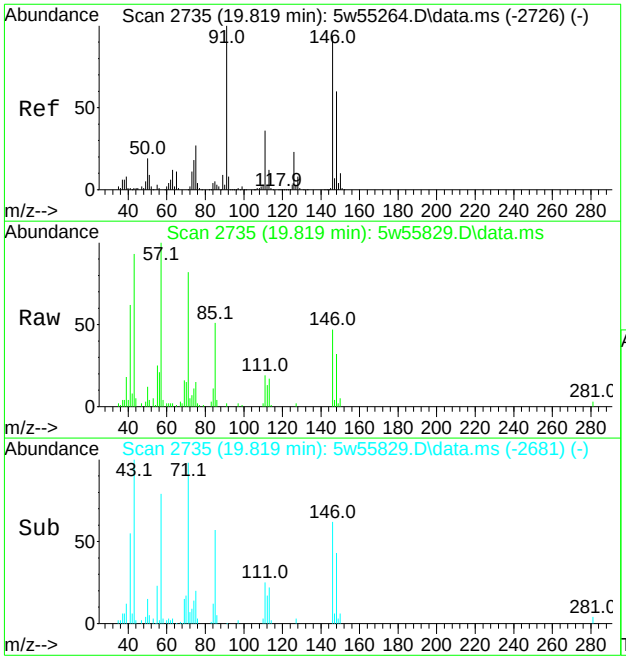


#83
NONANE
Concen: 0.2613 PPBV
RT: 17.304 min Scan# 2324
Delta R.T. -0.006 min
Lab File: 5w55829.D
Acq: 23 Dec 2024 6:20 pm

Tgt Ion: 43 Resp: 11293

Ion	Ratio	Lower	Upper
43	100		
71	28.5	0.0	53.8
128	0.0	0.0	34.3

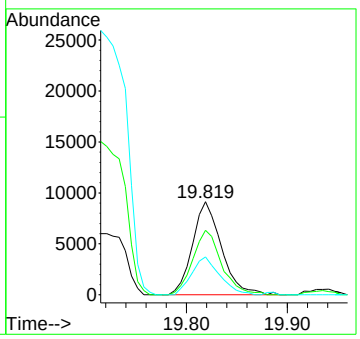


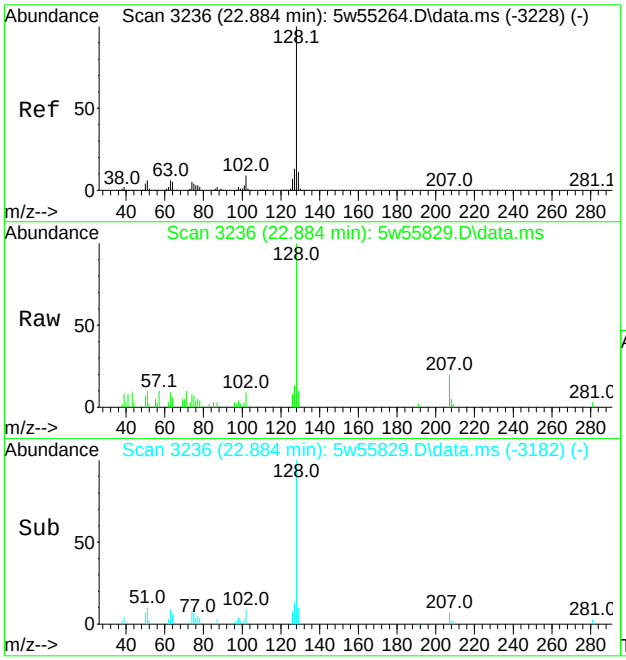


#97
m-DICHLOROBENZENE
Concen: 0.2821 PPBV
RT: 19.819 min Scan# 2735
Delta R.T. -0.000 min
Lab File: 5w55829.D
Acq: 23 Dec 2024 6:20 pm

Tgt Ion:146 Resp: 18214

Ion	Ratio	Lower	Upper
146	100		
148	68.8	34.2	94.2
111	39.6	10.1	70.1

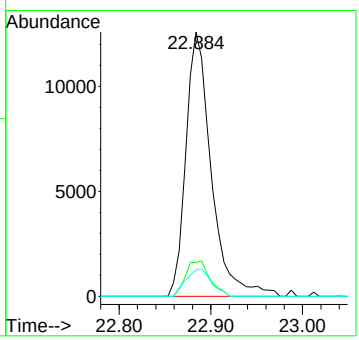




#108
NAPHTHALENE
Concen: 0.2113 PPBV
RT: 22.884 min Scan# 3236
Delta R.T. -0.000 min
Lab File: 5w55829.D
Acq: 23 Dec 2024 6:20 pm

Tgt Ion:128 Resp: 24221

Ion	Ratio	Lower	Upper
128	100		
127	12.9	0.0	43.1
129	10.4	0.0	41.1



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55786.D
Acq On : 20 Dec 2024 7:55 pm
Operator : thomash
Sample : je2489-2 Inst : GCMS5W
Misc : MS88104,V5W2136,725,,,,1.45
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 23 07:24:14 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

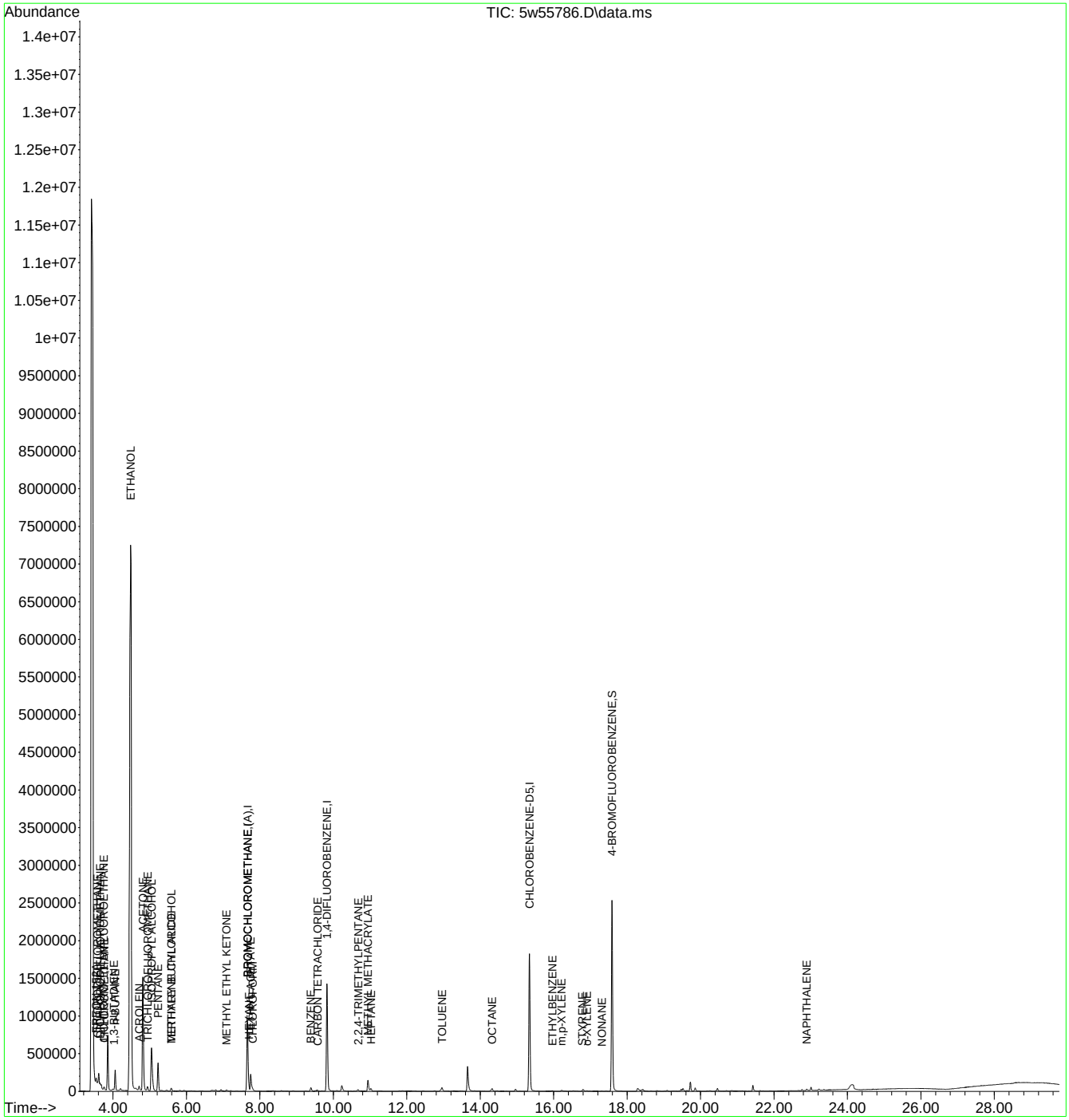
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	7.663	128	255725	10.00	PPBV	# 0.00
51) 1,4-DIFLUOROBENZENE	9.822	114	1259383	10.00	PPBV	-0.01
70) CHLOROBENZENE-D5	15.341	82	729011	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	7.663	128	255725	10.00	PPBV	# 0.00
System Monitoring Compounds						
85) 4-BROMOFLUOROBENZENE	17.586	95	914683	11.21	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 112.10%			
Target Compounds						Qvalue
3) FREON 152A	3.540	65	36585	1.9337	PPBV	73
4) CHLORODIFLUOROMETHANE	3.570	67	9404	0.9586	PPBV	98
6) DICHLORODIFLUOROMETHANE	3.650	85	57933	0.6199	PPBV	97
8) 1-CHLORO-1,1-DIFLUOROE...	3.748	65	18717	0.1956	PPBV #	75
10) CHLOROMETHANE	3.766	52	7840	0.6506	PPBV	89
12) 1,3-BUTADIENE	4.023	54	4151	0.1458	PPBV #	24
13) n-BUTANE	4.060	43	227624	4.1665	PPBV	83
18) ACROLEIN	4.708	56	45026	3.2675	PPBV	97
21) TRICHLOROFLUOROMETHANE	4.941	101	44706	0.5177	PPBV	99
22) ISOPROPYL ALCOHOL	5.051	45	946423	17.2962	PPBV	97
23) ACETONE	4.812	58	542576	26.3065	PPBV	89
24) PENTANE	5.228	42	156828	5.7694	PPBV	97
28) ETHANOL	4.482	45	13290761	662.7396	PPBV	97
31) METHYLENE CHLORIDE	5.589	84	15046	0.5610	PPBV	92
35) TERTIARY BUTYL ALCOHOL	5.589	59	7764	0.1508	PPBV #	4
38) HEXANE	7.700	57	16591	0.4141	PPBV	84
41) METHYL ETHYL KETONE	7.082	72	6542	0.5898	PPBV	94
44) ETHYL ACETATE	7.749	61	40932	5.0022	PPBV #	76
46) CHLOROFORM	7.804	83	13686	0.2085	PPBV	95
49) CARBON TETRACHLORIDE	9.566	117	7399	0.1050	PPBV	96
52) BENZENE	9.388	78	50305	0.5511	PPBV	100
60) 2,2,4-TRIMETHYLPENTANE	10.679	57	18479	0.1333	PPBV	80
62) HEPTANE	11.028	43	15634	0.3229	PPBV	95
63) METHYL METHACRYLATE	10.936	69	73278	2.4147	PPBV	95
66) TOLUENE	12.961	92	22605	0.3540	PPBV	96
76) OCTANE	14.325	43	37853	0.5912	PPBV	60
79) ETHYLBENZENE	15.965	91	7931	0.0590	PPBV	92
80) m,p-XYLENE	16.209	106	5615	0.1101	PPBV	97
81) o-XYLENE	16.907	106	2326	0.0470	PPBV #	75
82) STYRENE	16.778	104	1650	0.0232	PPBV #	55
83) NONANE	17.311	43	3346	0.0501	PPBV #	66
108) NAPHTHALENE	22.890	128	17851	0.1007	PPBV	97

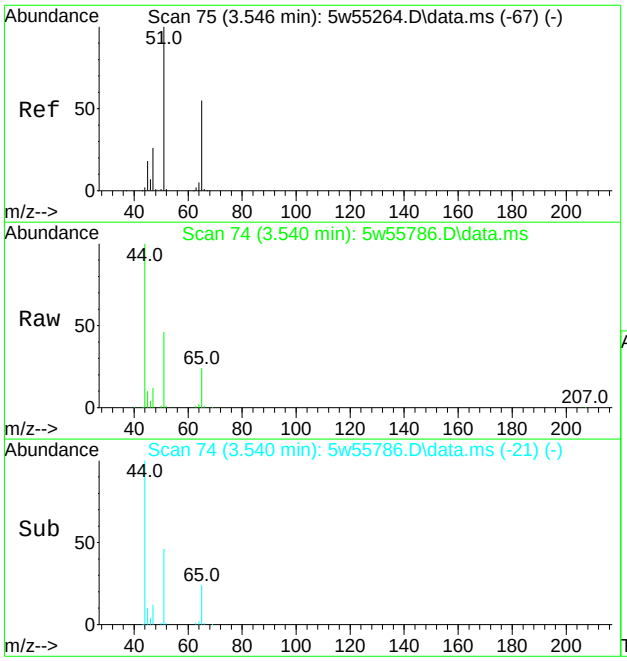
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55786.D
Acq On : 20 Dec 2024 7:55 pm
Operator : thomash
Sample : je2489-2 Inst : GCMS5W
Misc : MS88104,V5W2136,725,,,,1.45
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 23 07:24:14 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

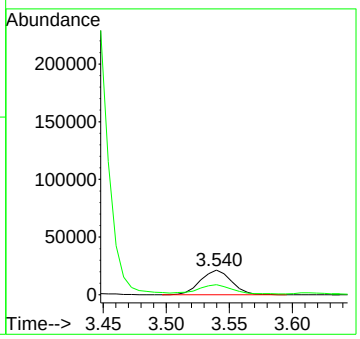


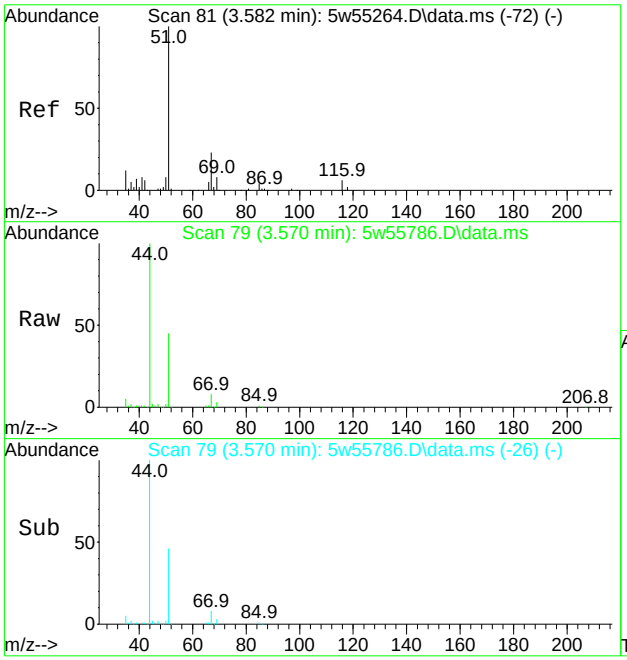


#3
FREON 152A
Concen: 1.9337 PPBV
RT: 3.540 min Scan# 74
Delta R.T. -0.006 min
Lab File: 5w55786.D
Acq: 20 Dec 2024 7:55 pm

Tgt Ion: 65 Resp: 36585

Ion	Ratio	Lower	Upper
65	100		
45	46.9	1.8	61.8

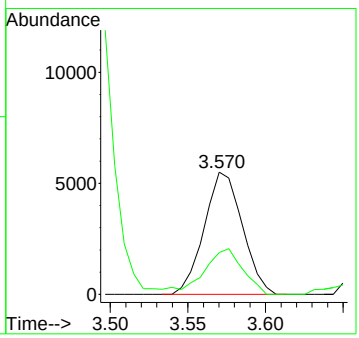


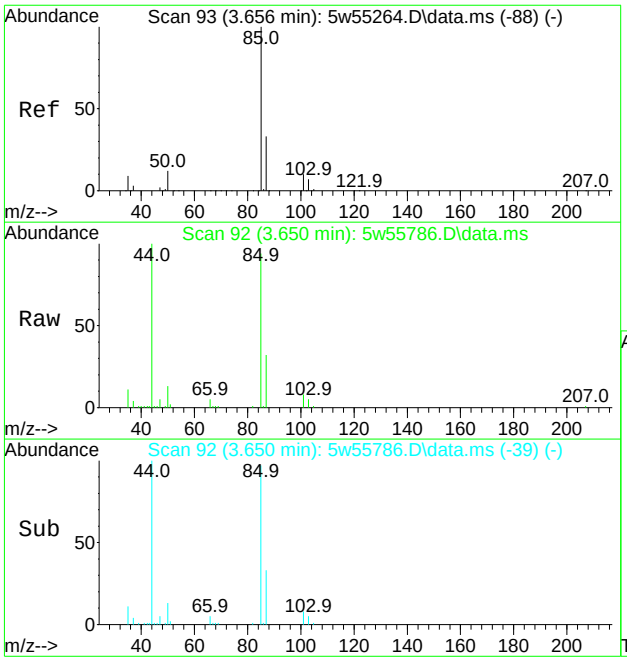


#4
CHLORODIFLUOROMETHANE
Concen: 0.9586 PPBV
RT: 3.570 min Scan# 79
Delta R.T. -0.006 min
Lab File: 5w55786.D
Acq: 20 Dec 2024 7:55 pm

Tgt Ion: 67 Resp: 9404

Ion	Ratio	Lower	Upper
67	100		
69	34.2	2.9	62.9

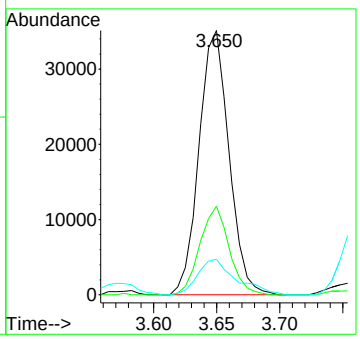


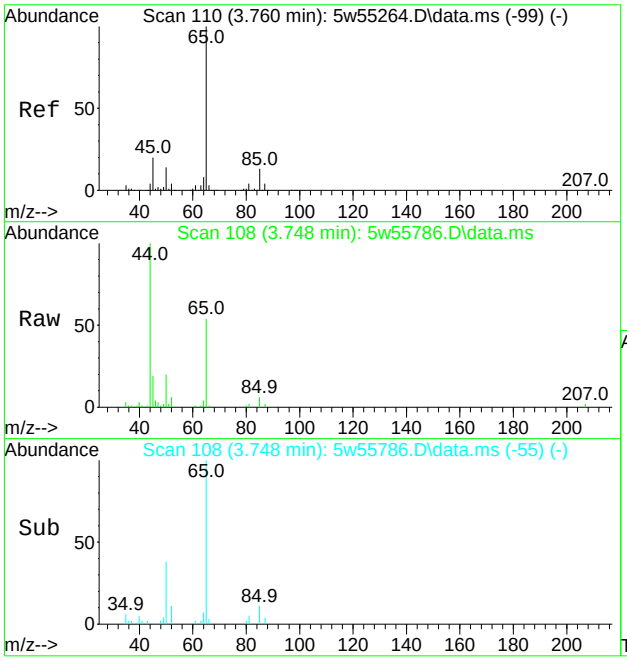


#6
DICHLORODIFLUOROMETHANE
Concen: 0.6199 PPBV
RT: 3.650 min Scan# 92
Delta R.T. -0.006 min
Lab File: 5w55786.D
Acq: 20 Dec 2024 7:55 pm

Tgt Ion: 85 Resp: 57933

Ion	Ratio	Lower	Upper
85	100		
87	32.6	2.6	62.6
50	17.2	0.0	43.0

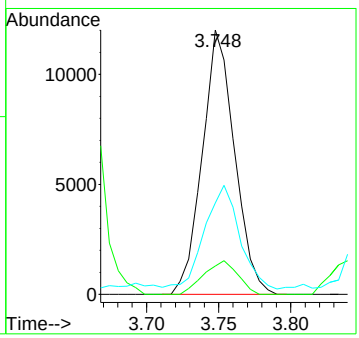


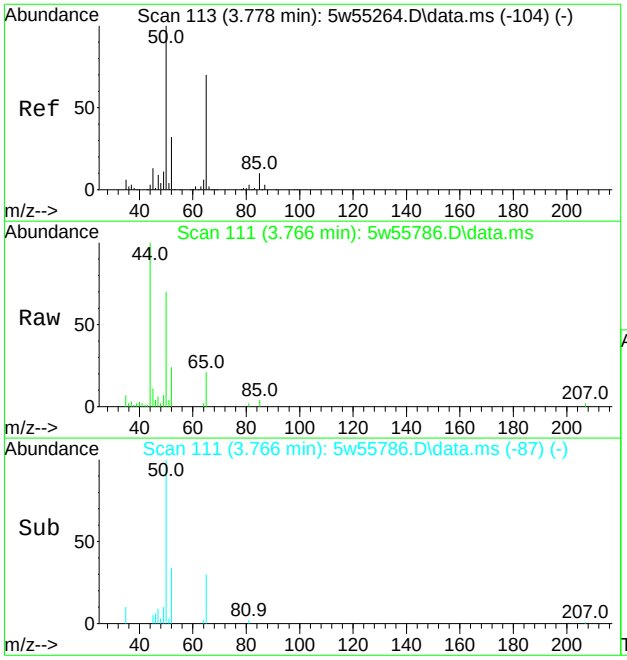


#8
1-CHLORO-1,1-DIFLUOROETHANE
Concen: 0.1956 PPBV
RT: 3.748 min Scan# 108
Delta R.T. -0.006 min
Lab File: 5w55786.D
Acq: 20 Dec 2024 7:55 pm

Tgt Ion: 65 Resp: 18717

Ion	Ratio	Lower	Upper
65	100		
85	13.4	10.1	18.7
45	41.9	15.9	29.5#

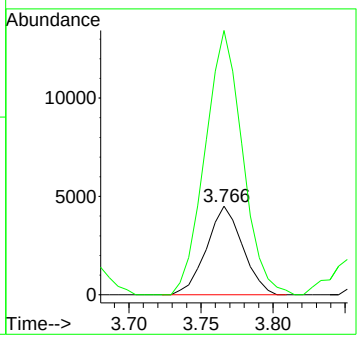


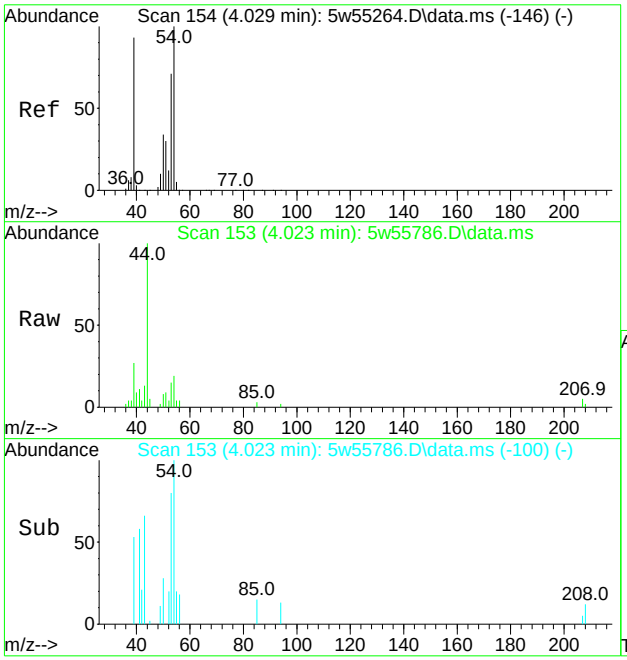


#10
CHLOROMETHANE
Concen: 0.6506 PPBV
RT: 3.766 min Scan# 111
Delta R.T. -0.006 min
Lab File: 5w55786.D
Acq: 20 Dec 2024 7:55 pm

Tgt Ion: 52 Resp: 7840

Ion	Ratio	Lower	Upper
52	100		
50	295.5	287.9	347.9

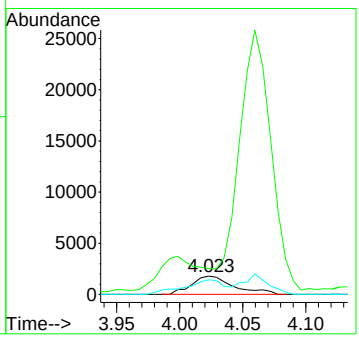


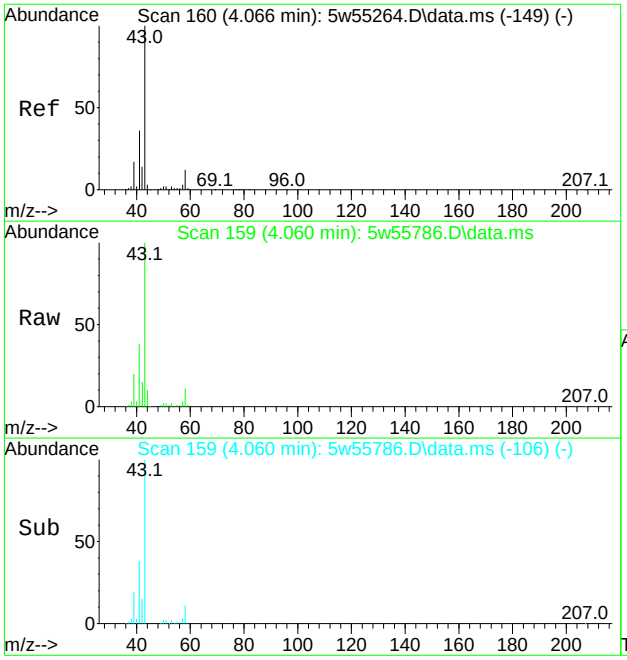


#12
1,3-BUTADIENE
Concen: 0.1458 PPBV
RT: 4.023 min Scan# 153
Delta R.T. -0.006 min
Lab File: 5w55786.D
Acq: 20 Dec 2024 7:55 pm

Tgt Ion: 54 Resp: 4151

Ion	Ratio	Lower	Upper
54	100		
39	0.0	103.6	163.6#
53	77.1	41.1	101.1

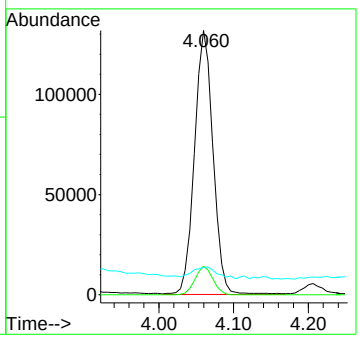


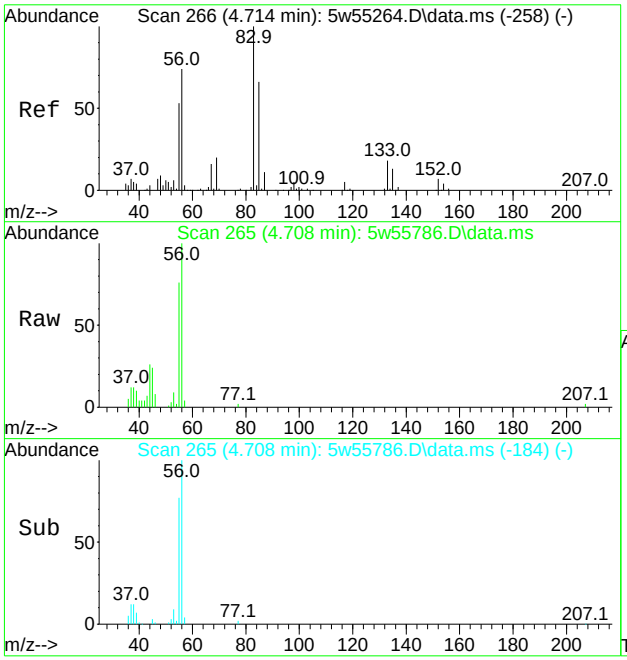


#13
n-BUTANE
Concen: 4.1665 PPBV
RT: 4.060 min Scan# 159
Delta R.T. -0.006 min
Lab File: 5w55786.D
Acq: 20 Dec 2024 7:55 pm

Tgt Ion: 43 Resp: 227624

Ion	Ratio	Lower	Upper
43	100		
58	10.3	0.0	41.6
44	21.5	0.0	34.7

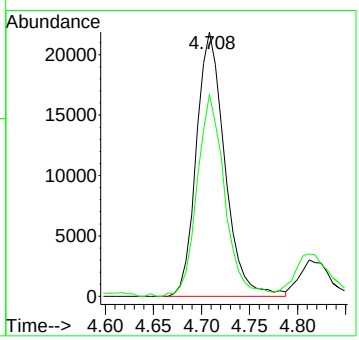


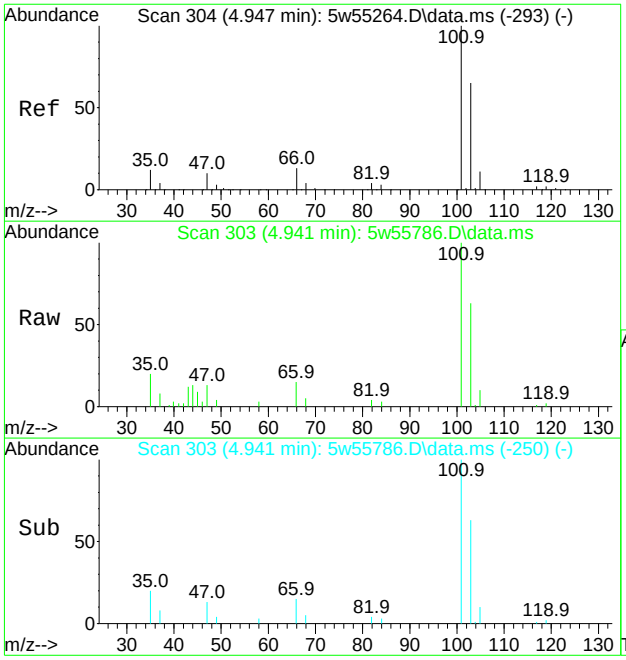


#18
ACROLEIN
Concen: 3.2675 PPBV
RT: 4.708 min Scan# 265
Delta R.T. -0.006 min
Lab File: 5w55786.D
Acq: 20 Dec 2024 7:55 pm

Tgt Ion: 56 Resp: 45026

Ion	Ratio	Lower	Upper
56	100		
55	74.1	49.8	92.6

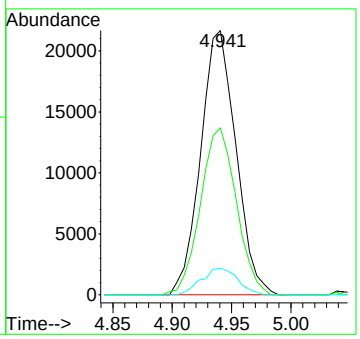


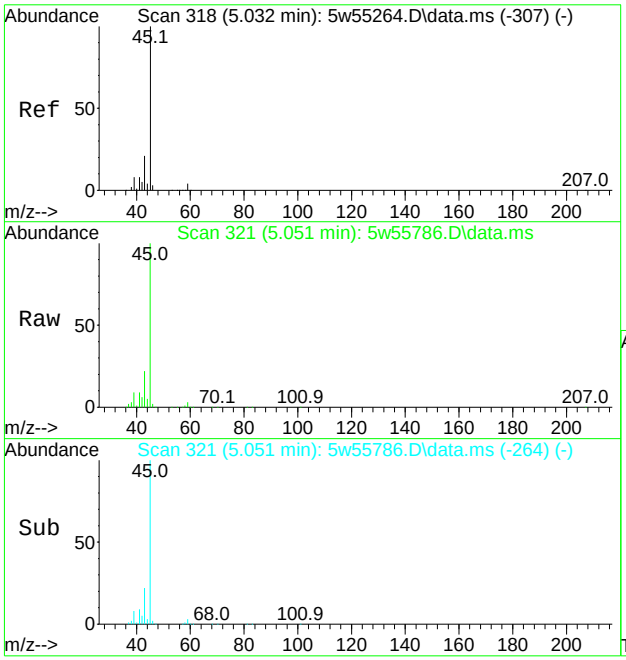


#21
TRICHLOROFLUOROMETHANE
Concen: 0.5177 PPBV
RT: 4.941 min Scan# 303
Delta R.T. -0.006 min
Lab File: 5w55786.D
Acq: 20 Dec 2024 7:55 pm

Tgt Ion:101 Resp: 44706

Ion	Ratio	Lower	Upper
101	100		
103	64.2	34.7	94.7
105	10.3	0.0	40.5

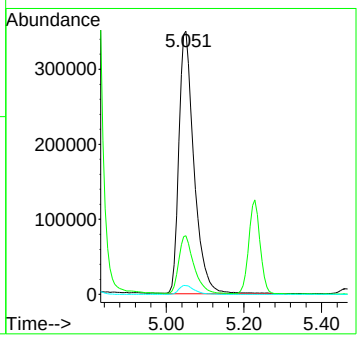


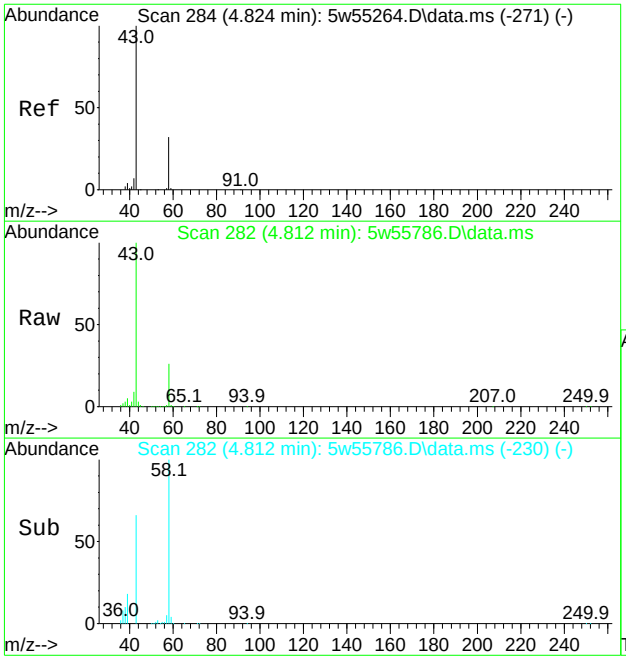


#22
ISOPROPYL ALCOHOL
Concen: 17.2962 PPBV
RT: 5.051 min Scan# 321
Delta R.T. 0.018 min
Lab File: 5w55786.D
Acq: 20 Dec 2024 7:55 pm

Tgt Ion: 45 Resp: 946423

Ion	Ratio	Lower	Upper
45	100		
43	22.3	0.0	50.8
59	3.3	0.0	33.8

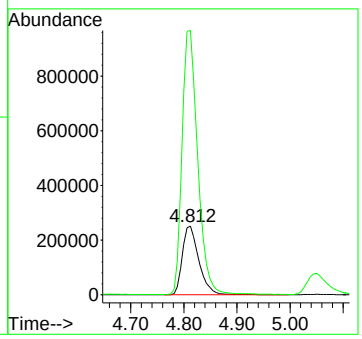


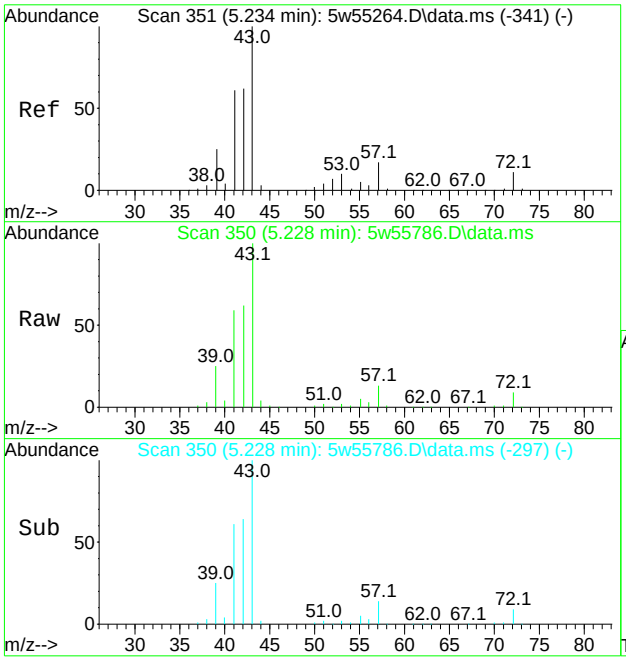


#23
ACETONE
Concen: 26.3065 PPBV
RT: 4.812 min Scan# 282
Delta R.T. -0.012 min
Lab File: 5w55786.D
Acq: 20 Dec 2024 7:55 pm

Tgt Ion: 58 Resp: 542576

Ion	Ratio	Lower	Upper
58	100		
43	364.8	312.3	372.3

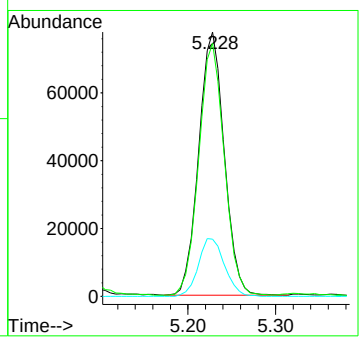


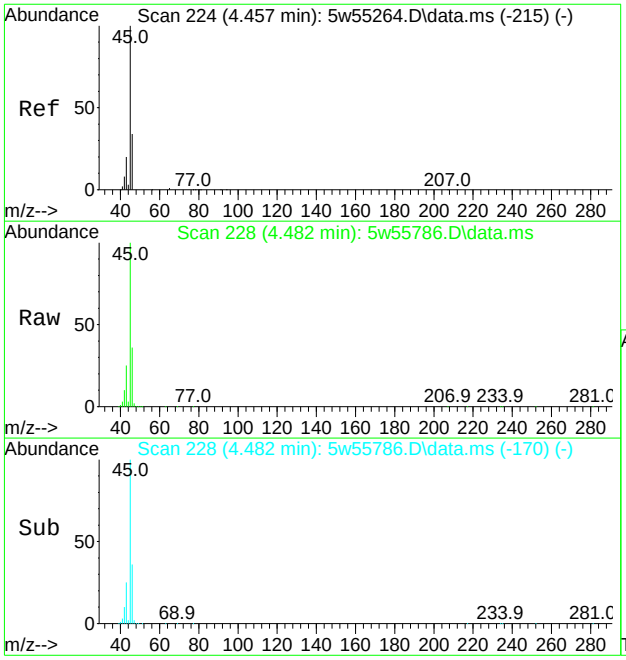


#24
PENTANE
Concen: 5.7694 PPBV
RT: 5.228 min Scan# 350
Delta R.T. -0.006 min
Lab File: 5w55786.D
Acq: 20 Dec 2024 7:55 pm

Tgt Ion: 42 Resp: 156828

Ion	Ratio	Lower	Upper
42	100		
41	96.8	64.4	124.4
57	22.6	0.0	55.0

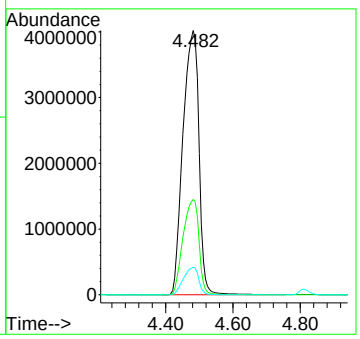


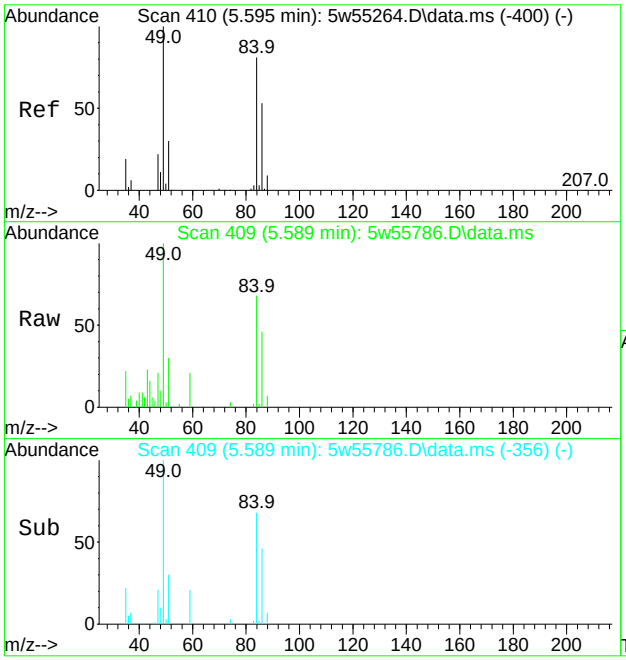


#28
ETHANOL
Concen: 662.7396 PPBV
RT: 4.482 min Scan# 228
Delta R.T. 0.024 min
Lab File: 5w55786.D
Acq: 20 Dec 2024 7:55 pm

Tgt Ion: 45 Resp:13290761

Ion	Ratio	Lower	Upper
45	100		
46	35.9	4.5	64.5
42	9.9	0.0	38.6

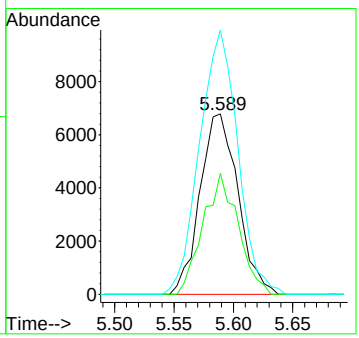


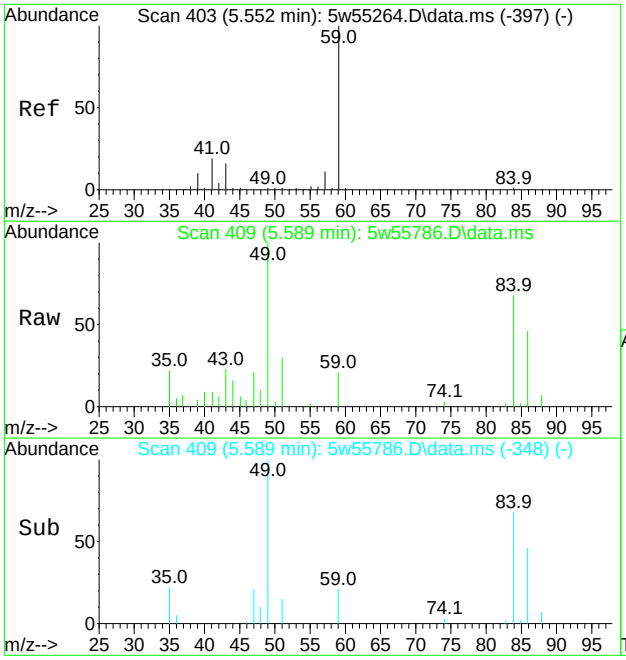


#31
METHYLENE CHLORIDE
Concen: 0.5610 PPBV
RT: 5.589 min Scan# 409
Delta R.T. -0.006 min
Lab File: 5w55786.D
Acq: 20 Dec 2024 7:55 pm

Tgt Ion: 84 Resp: 15046

Ion	Ratio	Lower	Upper
84	100		
86	62.1	34.0	94.0
49	147.9	105.8	165.8

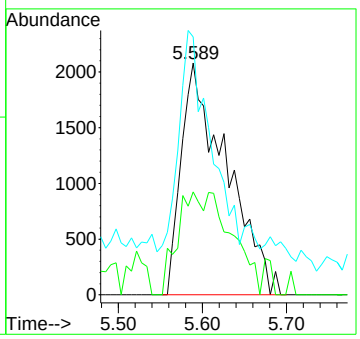


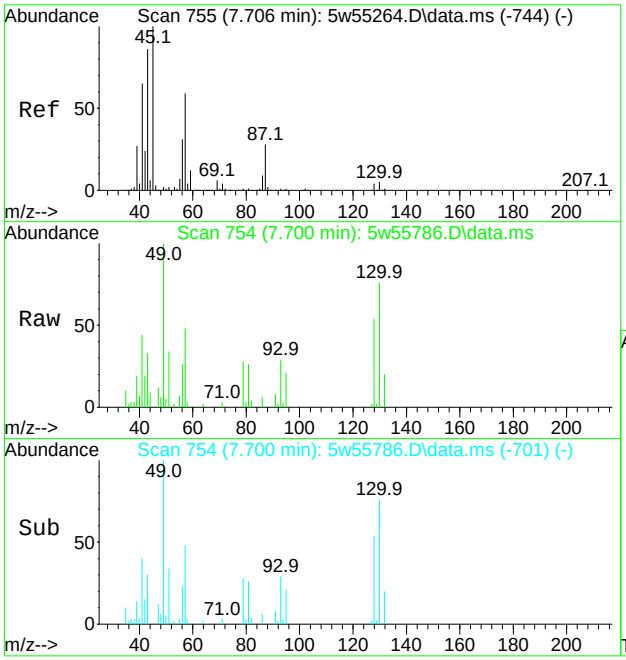


#35
TERTIARY BUTYL ALCOHOL
Concen: 0.1508 PPBV
RT: 5.589 min Scan# 409
Delta R.T. 0.043 min
Lab File: 5w55786.D
Acq: 20 Dec 2024 7:55 pm

Tgt Ion: 59 Resp: 7764

Ion	Ratio	Lower	Upper
59	100		
41	52.1	0.0	53.1
43	80.1	0.0	47.1#

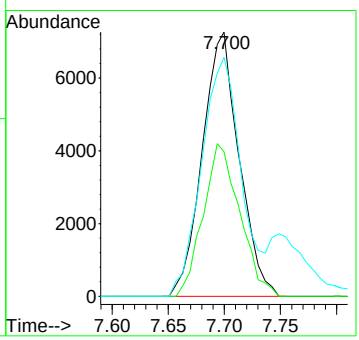


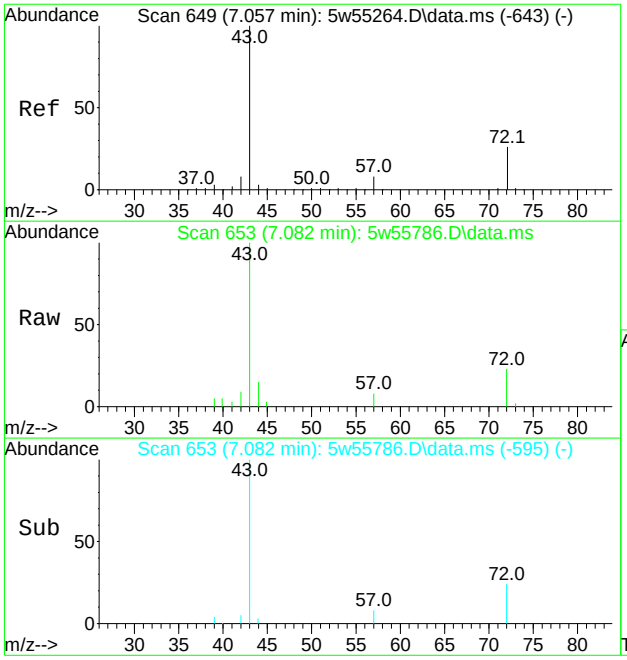


#38
HEXANE
Concen: 0.4141 PPBV
RT: 7.700 min Scan# 754
Delta R.T. -0.006 min
Lab File: 5w55786.D
Acq: 20 Dec 2024 7:55 pm

Tgt Ion: 57 Resp: 16591

Ion	Ratio	Lower	Upper
57	100		
56	57.6	24.2	84.2
41	97.9	92.1	152.1

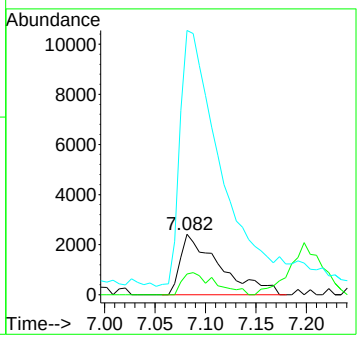


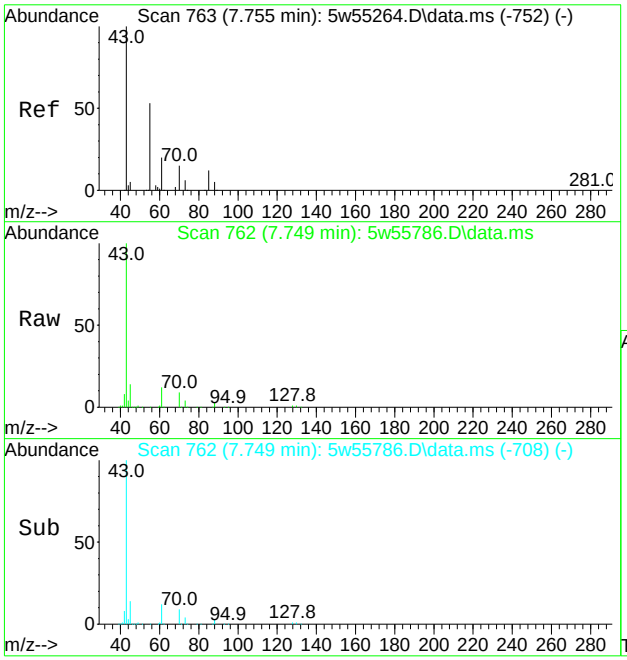


#41
METHYL ETHYL KETONE
Concen: 0.5898 PPBV
RT: 7.082 min Scan# 653
Delta R.T. 0.024 min
Lab File: 5w55786.D
Acq: 20 Dec 2024 7:55 pm

Tgt Ion: 72 Resp: 6542

Ion	Ratio	Lower	Upper
72	100		
57	34.5	1.1	61.1
43	436.3	390.6	450.6

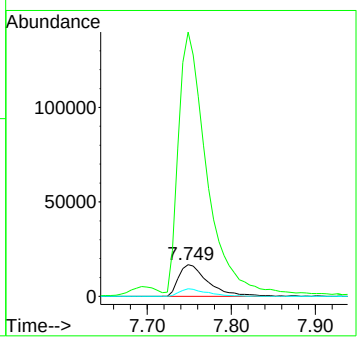


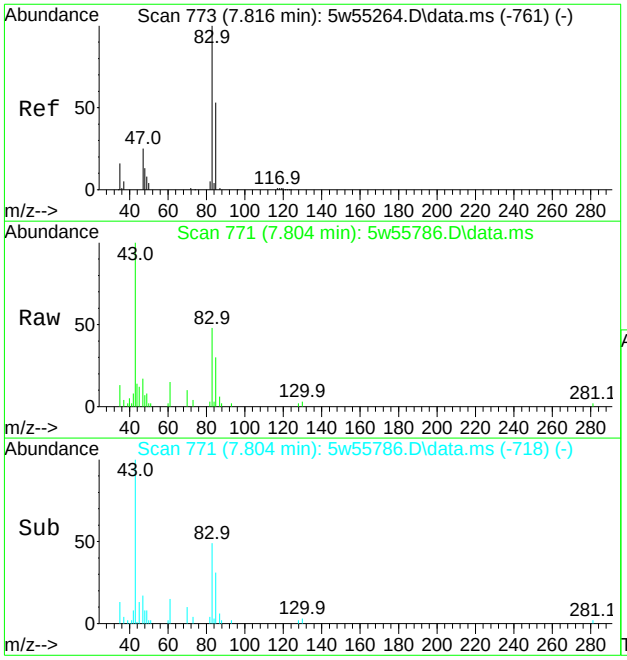


#44
ETHYL ACETATE
Concen: 5.0022 PPBV
RT: 7.749 min Scan# 762
Delta R.T. 0.000 min
Lab File: 5w55786.D
Acq: 20 Dec 2024 7:55 pm

Tgt Ion: 61 Resp: 40932

Ion	Ratio	Lower	Upper
61	100		
43	826.2	0.0	30.0#
88	22.7	7.3	67.3

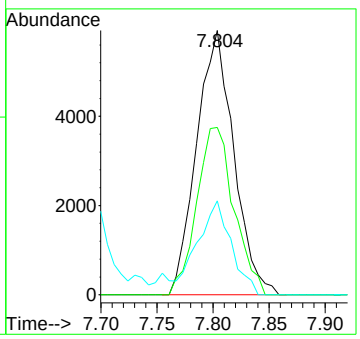


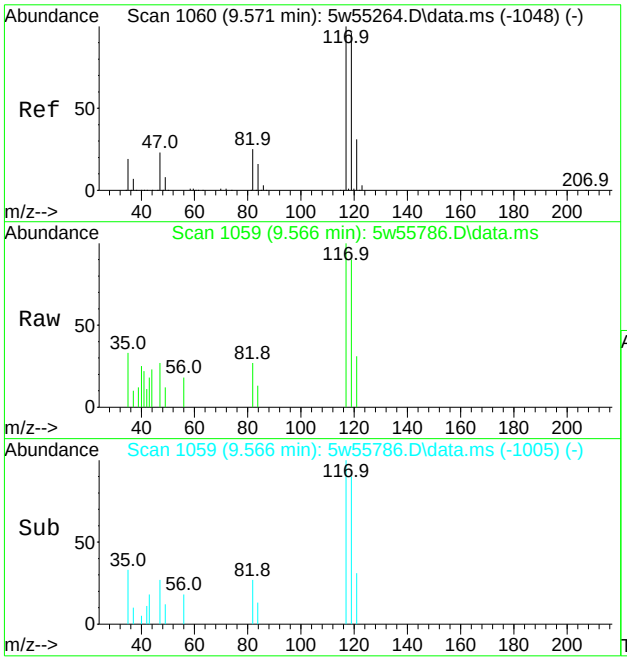


#46
CHLOROFORM
Concen: 0.2085 PPBV
RT: 7.804 min Scan# 771
Delta R.T. -0.006 min
Lab File: 5w55786.D
Acq: 20 Dec 2024 7:55 pm

Tgt Ion: 83 Resp: 13686

Ion	Ratio	Lower	Upper
83	100		
85	63.6	35.5	95.5
47	32.0	0.0	56.8

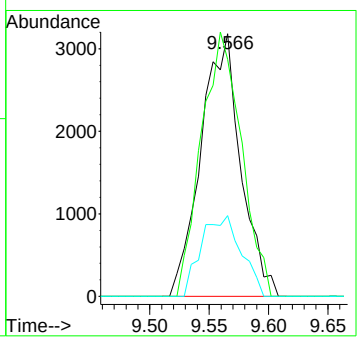


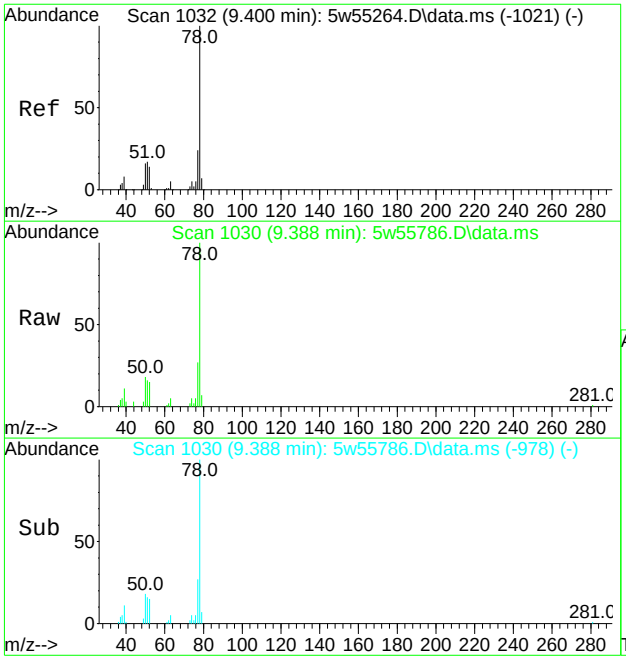


#49
CARBON TETRACHLORIDE
Concen: 0.1050 PPBV
RT: 9.566 min Scan# 1059
Delta R.T. -0.000 min
Lab File: 5w55786.D
Acq: 20 Dec 2024 7:55 pm

Tgt Ion:117 Resp: 7399

Ion	Ratio	Lower	Upper
117	100		
119	101.4	65.9	125.9
121	30.9	0.7	60.7

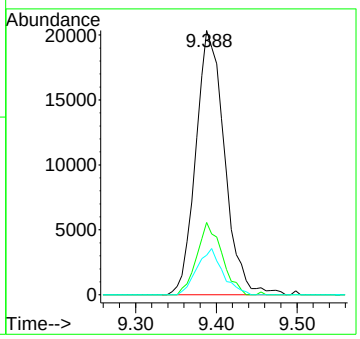


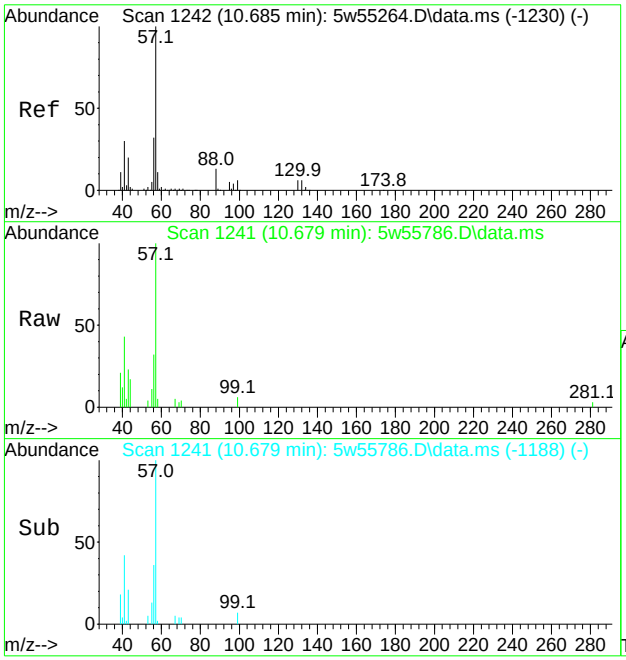


#52
BENZENE
Concen: 0.5511 PPBV
RT: 9.388 min Scan# 1030
Delta R.T. -0.012 min
Lab File: 5w55786.D
Acq: 20 Dec 2024 7:55 pm

Tgt Ion: 78 Resp: 50305

Ion	Ratio	Lower	Upper
78	100		
77	23.9	0.0	54.0
52	15.6	0.0	45.6

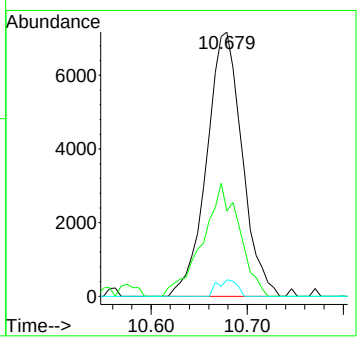


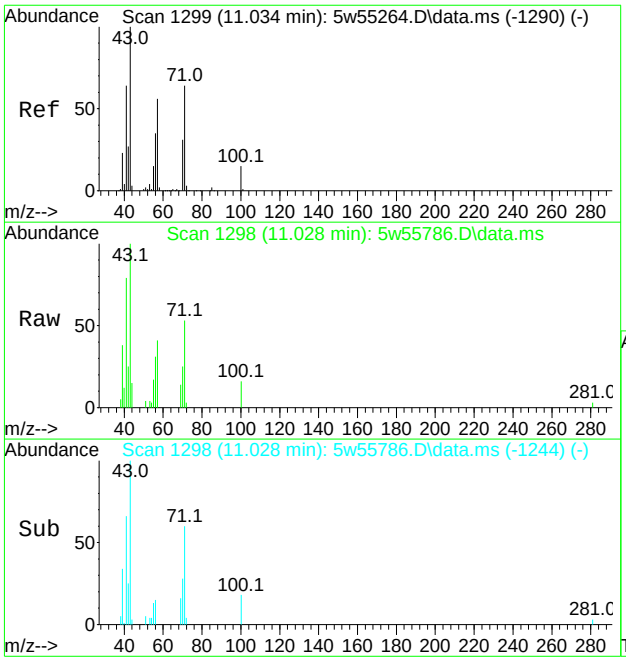


#60
2,2,4-TRIMETHYLPENTANE
Concen: 0.1333 PPBV
RT: 10.679 min Scan# 1241
Delta R.T. -0.006 min
Lab File: 5w55786.D
Acq: 20 Dec 2024 7:55 pm

Tgt Ion: 57 Resp: 18479

Ion	Ratio	Lower	Upper
57	100		
56	44.3	2.2	62.2
99	3.6	0.0	37.6

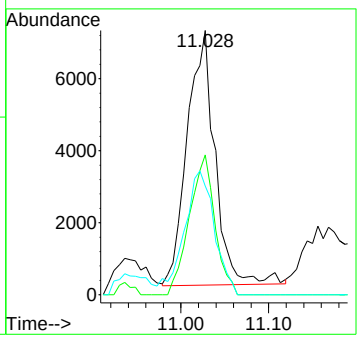


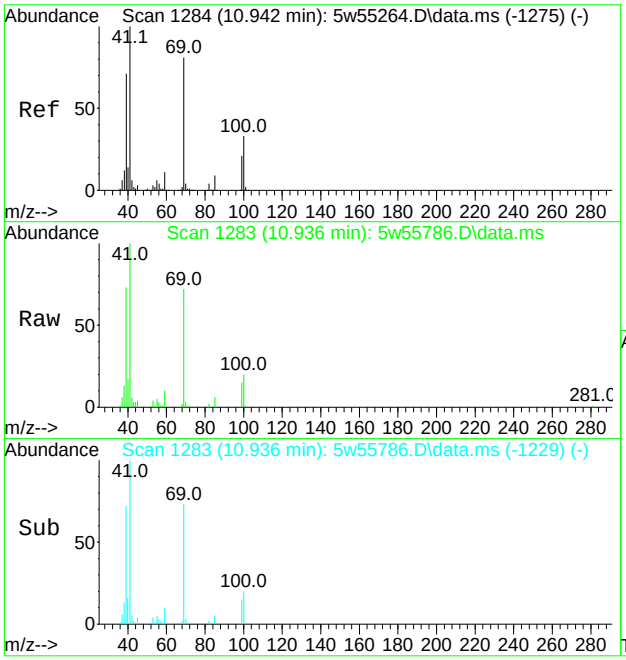


#62
HEPTANE
Concen: 0.3229 PPBV
RT: 11.028 min Scan# 1298
Delta R.T. -0.000 min
Lab File: 5w55786.D
Acq: 20 Dec 2024 7:55 pm

Tgt Ion: 43 Resp: 15634

Ion	Ratio	Lower	Upper
43	100		
71	50.4	27.2	87.2
57	52.6	22.5	82.5

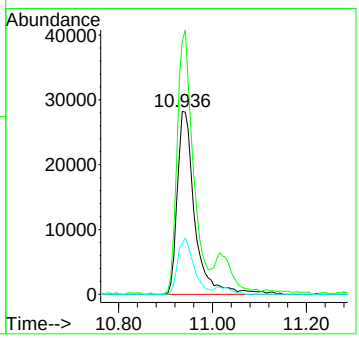


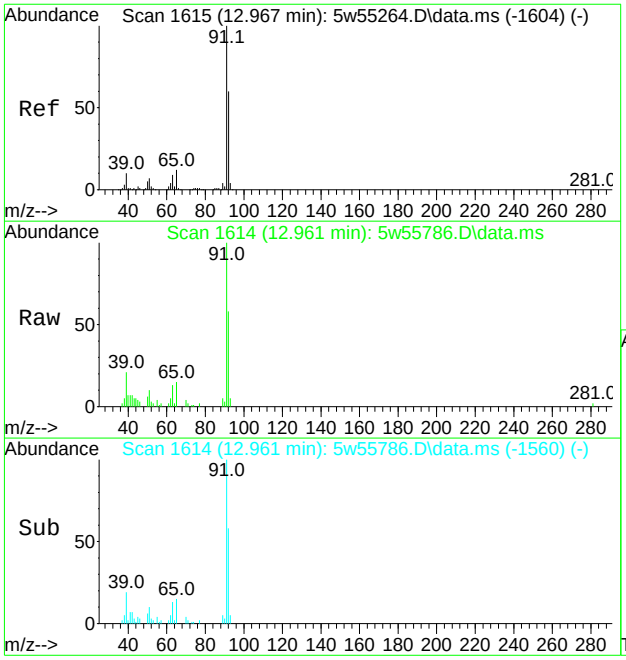


#63
METHYL METHACRYLATE
Concen: 2.4147 PPBV
RT: 10.936 min Scan# 1283
Delta R.T. -0.000 min
Lab File: 5w55786.D
Acq: 20 Dec 2024 7:55 pm

Tgt Ion: 69 Resp: 73278

Ion	Ratio	Lower	Upper
69	100		
41	132.3	97.3	157.3
100	28.4	3.0	63.0

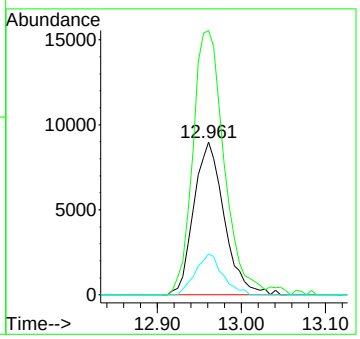


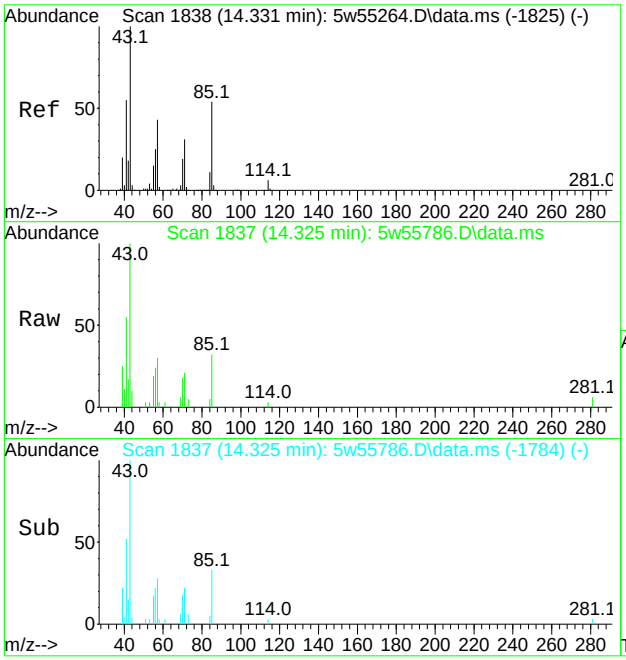


#66
TOLUENE
Concen: 0.3540 PPBV
RT: 12.961 min Scan# 1614
Delta R.T. 0.000 min
Lab File: 5w55786.D
Acq: 20 Dec 2024 7:55 pm

Tgt Ion: 92 Resp: 22605

Ion	Ratio	Lower	Upper
92	100		
91	179.8	143.4	203.4
65	23.9	0.0	53.8

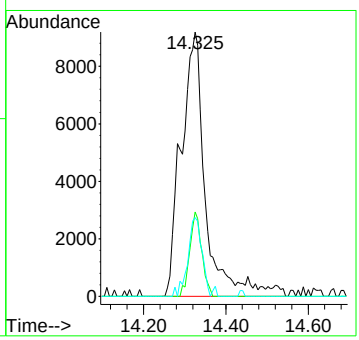


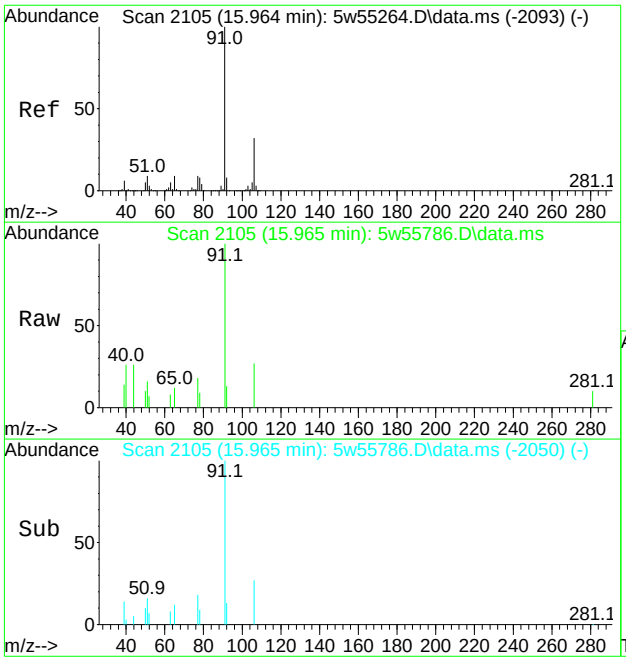


#76
OCTANE
Concen: 0.5912 PPBV
RT: 14.325 min Scan# 1837
Delta R.T. -0.006 min
Lab File: 5w55786.D
Acq: 20 Dec 2024 7:55 pm

Tgt Ion: 43 Resp: 37853

Ion	Ratio	Lower	Upper
43	100		
85	15.7	13.7	73.7
57	17.1	9.9	69.9

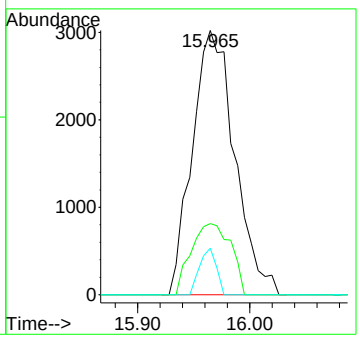


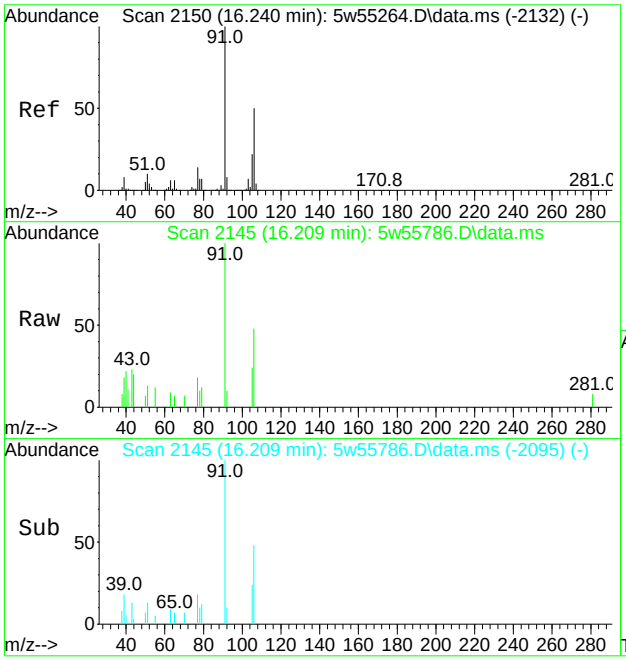


#79
ETHYLBENZENE
Concen: 0.0590 PPBV
RT: 15.965 min Scan# 2105
Delta R.T. 0.006 min
Lab File: 5w55786.D
Acq: 20 Dec 2024 7:55 pm

Tgt Ion: 91 Resp: 7931

Ion	Ratio	Lower	Upper
91	100		
106	25.2	0.0	59.9
77	7.0	0.0	39.1

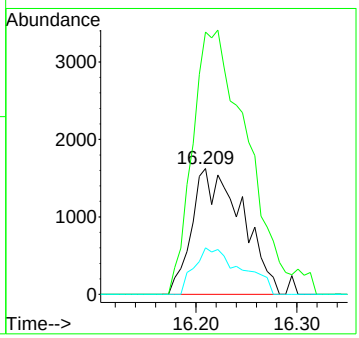


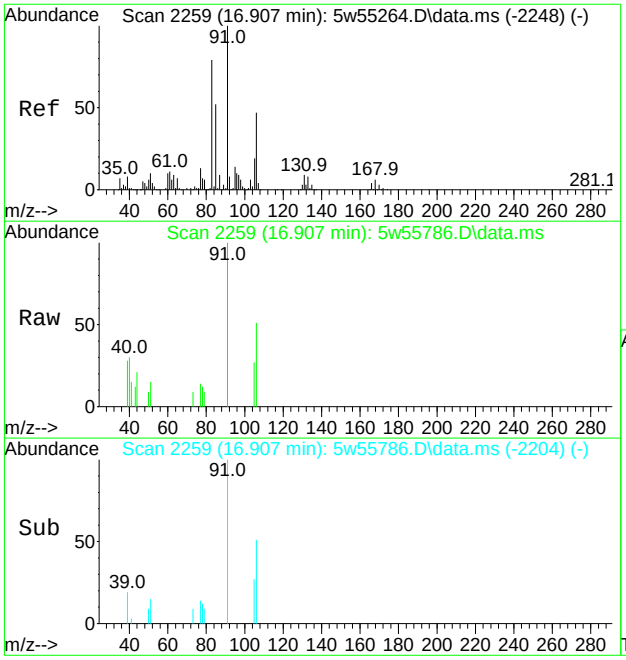


#80
m,p-XYLENE
Concen: 0.1101 PPBV
RT: 16.209 min Scan# 2145
Delta R.T. -0.024 min
Lab File: 5w55786.D
Acq: 20 Dec 2024 7:55 pm

Tgt Ion:106 Resp: 5615

Ion	Ratio	Lower	Upper
106	100		
91	208.4	181.2	241.2
77	37.0	0.1	60.1

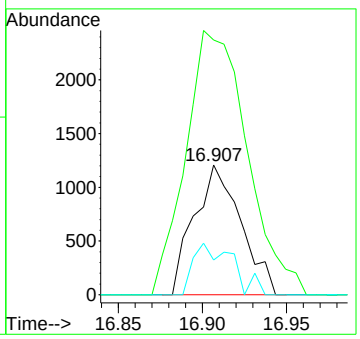


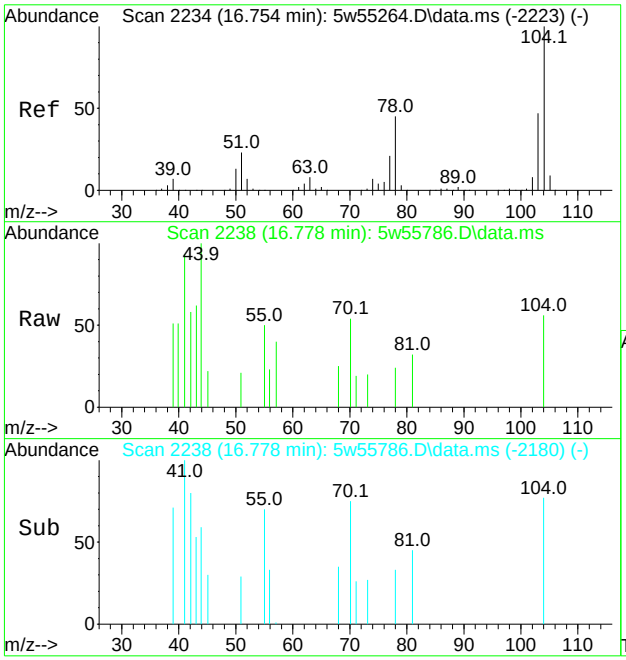


#81
o-XYLENE
Concen: 0.0470 PPBV
RT: 16.907 min Scan# 2259
Delta R.T. 0.006 min
Lab File: 5w55786.D
Acq: 20 Dec 2024 7:55 pm

Tgt Ion:106 Resp: 2326

Ion	Ratio	Lower	Upper
106	100		
91	268.5	193.4	253.4#
77	33.6	0.0	59.8

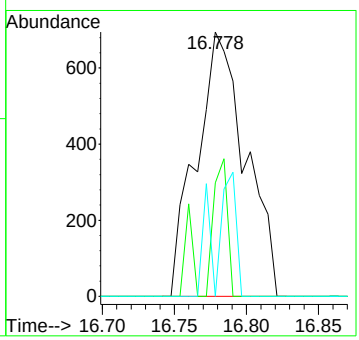


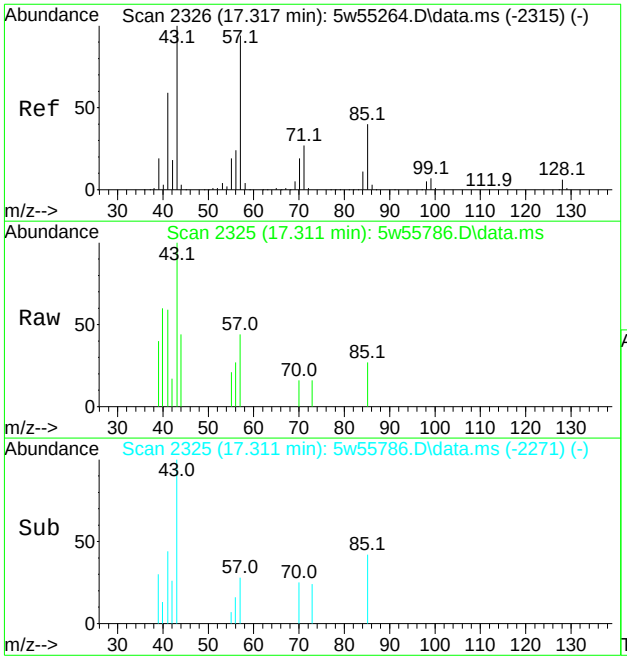


#82
STYRENE
Concen: 0.0232 PPBV
RT: 16.778 min Scan# 2238
Delta R.T. 0.024 min
Lab File: 5w55786.D
Acq: 20 Dec 2024 7:55 pm

Tgt Ion:104 Resp: 1650

Ion	Ratio	Lower	Upper
104	100		
78	14.7	16.5	76.5#
103	20.1	18.1	78.1

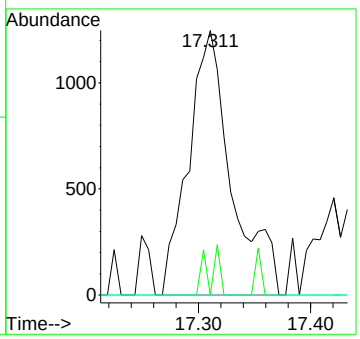


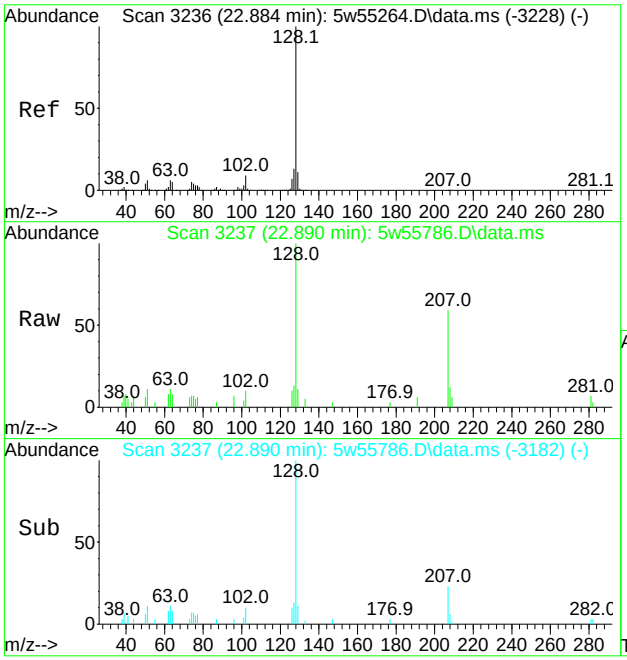


#83
NONANE
Concen: 0.0501 PPBV
RT: 17.311 min Scan# 2325
Delta R.T. -0.000 min
Lab File: 5w55786.D
Acq: 20 Dec 2024 7:55 pm

Tgt Ion: 43 Resp: 3346

Ion	Ratio	Lower	Upper
43	100		
71	5.0	0.0	53.8
128	0.0	0.0	34.3

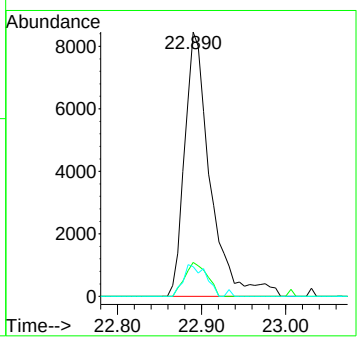




#108
NAPHTHALENE
Concen: 0.1007 PPBV
RT: 22.890 min Scan# 3237
Delta R.T. 0.006 min
Lab File: 5w55786.D
Acq: 20 Dec 2024 7:55 pm

Tgt Ion:128 Resp: 17851

Ion	Ratio	Lower	Upper
128	100		
127	11.3	0.0	43.1
129	10.6	0.0	41.1



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55788.D
Acq On : 20 Dec 2024 9:22 pm
Operator : thomash
Sample : je2489-3 Inst : GCMS5W
Misc : MS88104,V5W2136,400,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 23 07:30:38 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

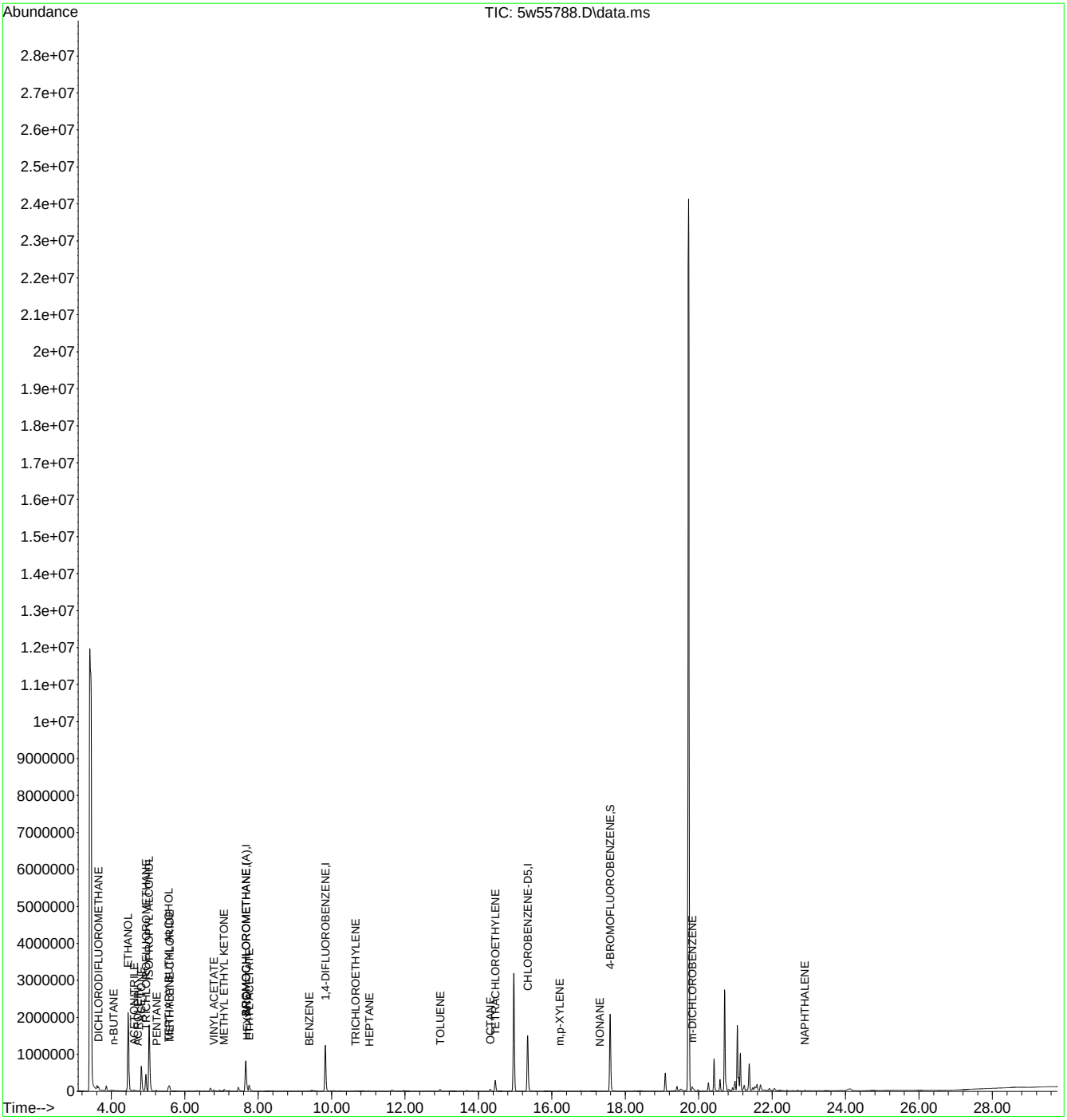
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	7.663	128	223902	10.00	PPBV	# 0.00
51) 1,4-DIFLUOROBENZENE	9.829	114	1101737	10.00	PPBV	0.00
70) CHLOROBENZENE-D5	15.341	82	600369	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	7.663	128	223902	10.00	PPBV	# 0.00
System Monitoring Compounds						
85) 4-BROMOFLUOROBENZENE	17.586	95	757613	11.28	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 112.80%			
Target Compounds						Qvalue
6) DICHLORODIFLUOROMETHANE	3.650	85	69014	0.8435	PPBV	98
13) n-BUTANE	4.060	43	22663	0.4738	PPBV #	92
17) ACETONITRILE	4.616	41	31653	1.1456	PPBV	98
18) ACROLEIN	4.720	56	5225	0.4331	PPBV #	73
21) TRICHLOROFLUOROMETHANE	4.941	101	369288	4.8838	PPBV	99
22) ISOPROPYL ALCOHOL	5.026	45	2593785	54.1394	PPBV	98
23) ACETONE	4.812	58	237206	13.1354	PPBV	90
24) PENTANE	5.234	42	12388	0.5205	PPBV	95
28) ETHANOL	4.457	45	2740313	156.0661	PPBV	99
31) METHYLENE CHLORIDE	5.589	84	31190	1.3281	PPBV	94
35) TERTIARY BUTYL ALCOHOL	5.558	59	188480	4.1822	PPBV	88
38) HEXANE	7.694	57	35223	1.0040	PPBV	96
39) VINYL ACETATE	6.794	86	2069	0.5160	PPBV #	1
41) METHYL ETHYL KETONE	7.069	72	18583	1.9134	PPBV	89
44) ETHYL ACETATE	7.755	61	31546	4.4031	PPBV #	76
52) BENZENE	9.394	78	15996	0.2003	PPBV	98
55) TRICHLOROETHYLENE	10.654	95	2315	0.0550	PPBV	90
62) HEPTANE	11.028	43	7324	0.1729	PPBV	80
66) TOLUENE	12.961	92	25332	0.4535	PPBV	97
73) TETRACHLOROETHYLENE	14.460	164	81632	2.0817	PPBV	86
76) OCTANE	14.325	43	34275	0.6500	PPBV	83
80) m,p-XYLENE	16.209	106	7183	0.1710	PPBV	90
83) NONANE	17.304	43	6385	0.1160	PPBV #	90
97) m-DICHLOROBENZENE	19.825	146	14483	0.1762	PPBV	97
108) NAPHTHALENE	22.890	128	22760	0.1559	PPBV	98

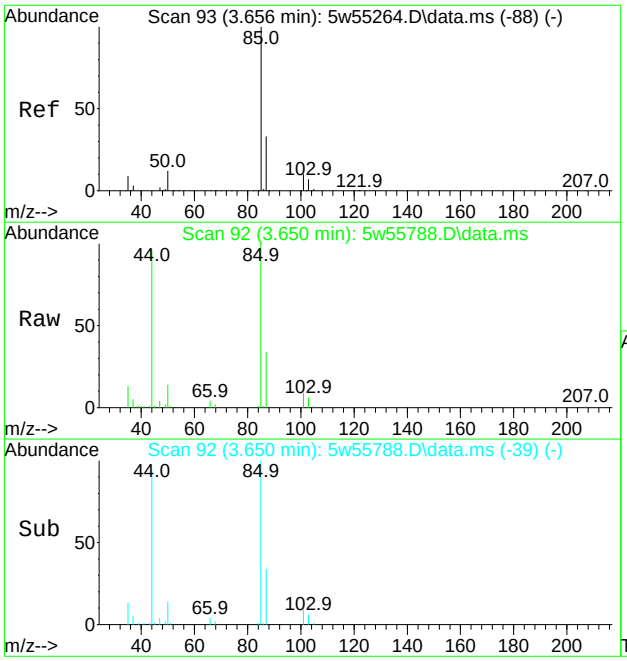
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55788.D
Acq On : 20 Dec 2024 9:22 pm
Operator : thomash
Sample : je2489-3 Inst : GCMS5W
Misc : MS88104,V5W2136,400,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 23 07:30:38 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

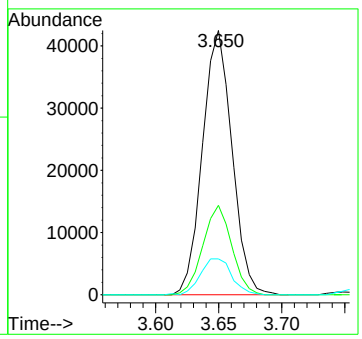


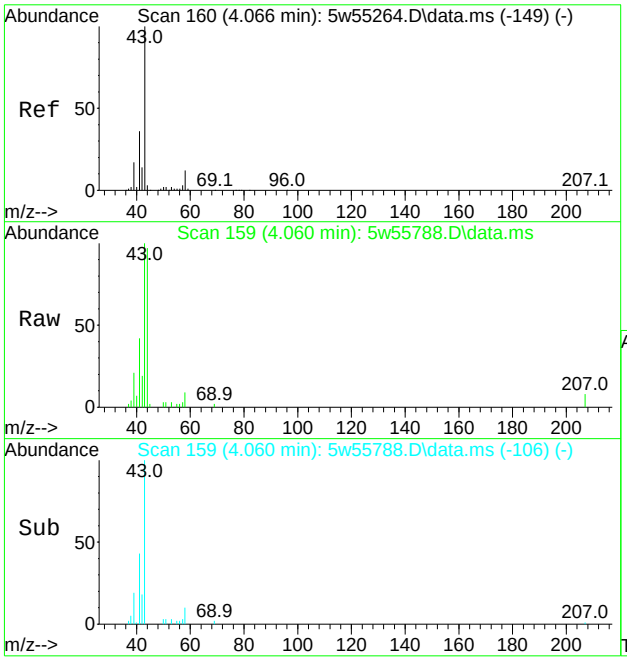


#6
DICHLORODIFLUOROMETHANE
Concen: 0.8435 PPBV
RT: 3.650 min Scan# 92
Delta R.T. -0.006 min
Lab File: 5w55788.D
Acq: 20 Dec 2024 9:22 pm

Tgt Ion: 85 Resp: 69014

Ion	Ratio	Lower	Upper
85	100		
87	33.0	2.6	62.6
50	14.6	0.0	43.0

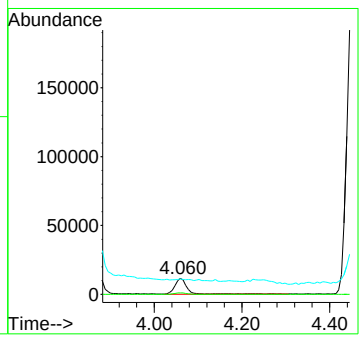


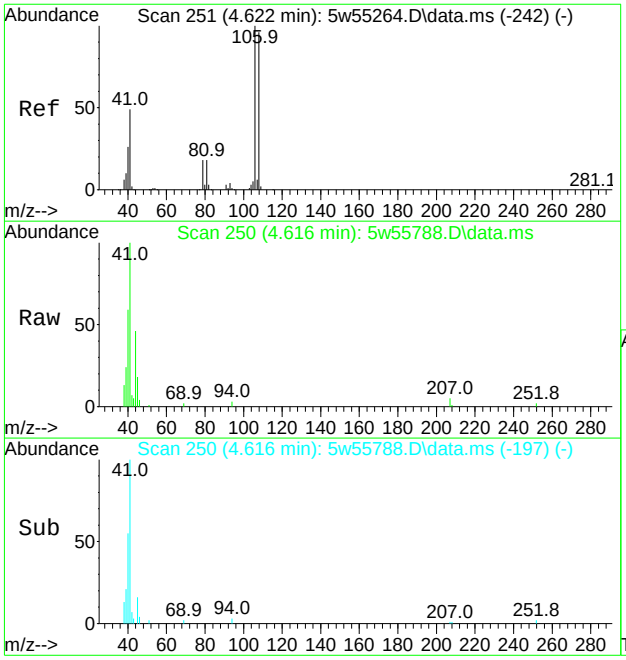


#13
n-BUTANE
Concen: 0.4738 PPBV
RT: 4.060 min Scan# 159
Delta R.T. -0.006 min
Lab File: 5w55788.D
Acq: 20 Dec 2024 9:22 pm

Tgt Ion: 43 Resp: 22663

Ion	Ratio	Lower	Upper
43	100		
58	9.2	0.0	41.6
44	0.0	0.0	34.7

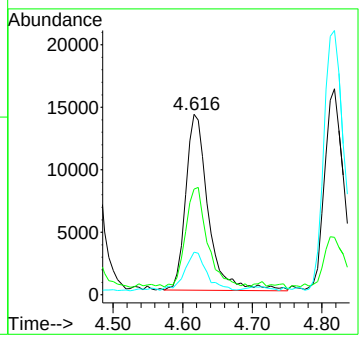


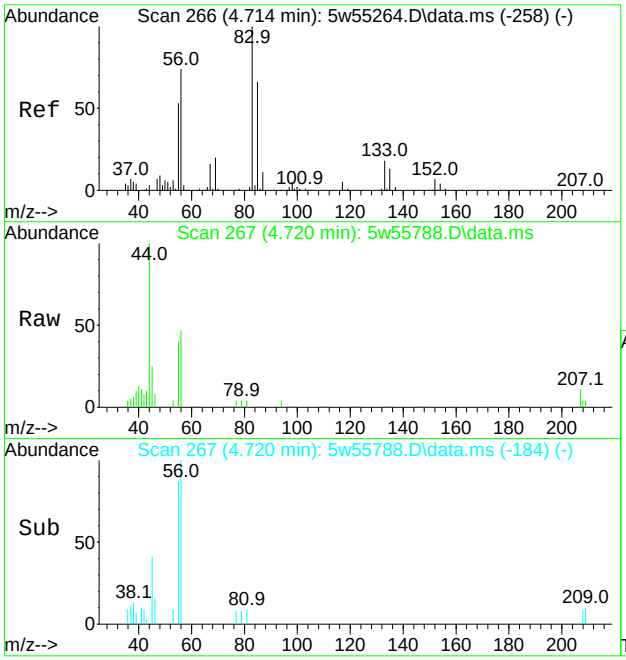


#17
ACETONITRILE
Concen: 1.1456 PPBV
RT: 4.616 min Scan# 250
Delta R.T. -0.006 min
Lab File: 5w55788.D
Acq: 20 Dec 2024 9:22 pm

Tgt Ion: 41 Resp: 31653

Ion	Ratio	Lower	Upper
41	100		
40	55.5	38.4	71.4
39	21.8	13.7	25.5

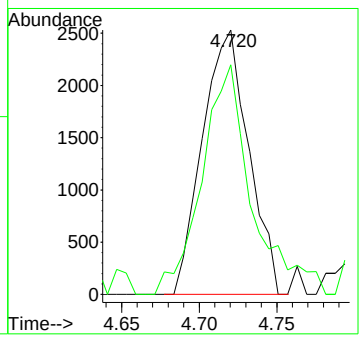


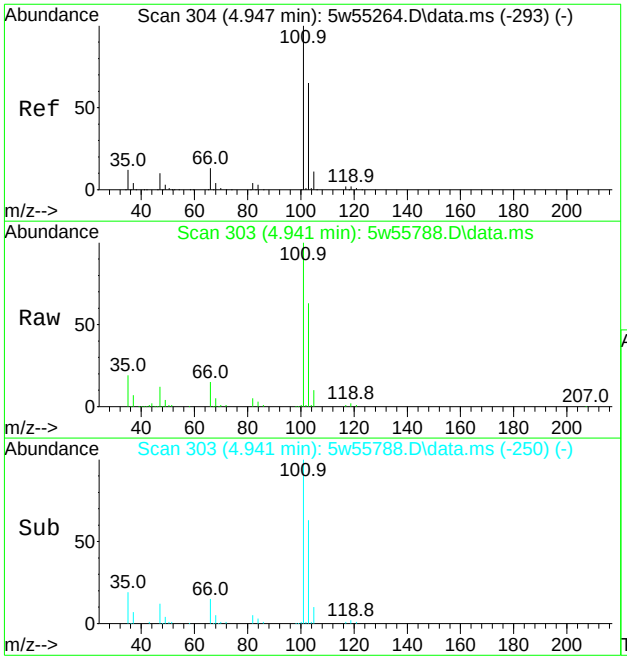


#18
ACROLEIN
Concen: 0.4331 PPBV
RT: 4.720 min Scan# 267
Delta R.T. 0.006 min
Lab File: 5w55788.D
Acq: 20 Dec 2024 9:22 pm

Tgt Ion: 56 Resp: 5225

Ion	Ratio	Lower	Upper
56	100		
55	93.9	49.8	92.6#

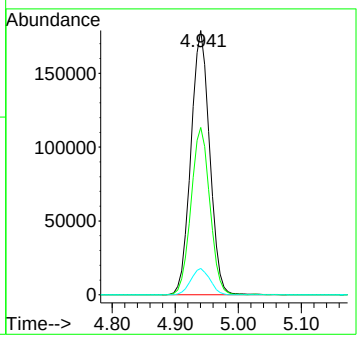


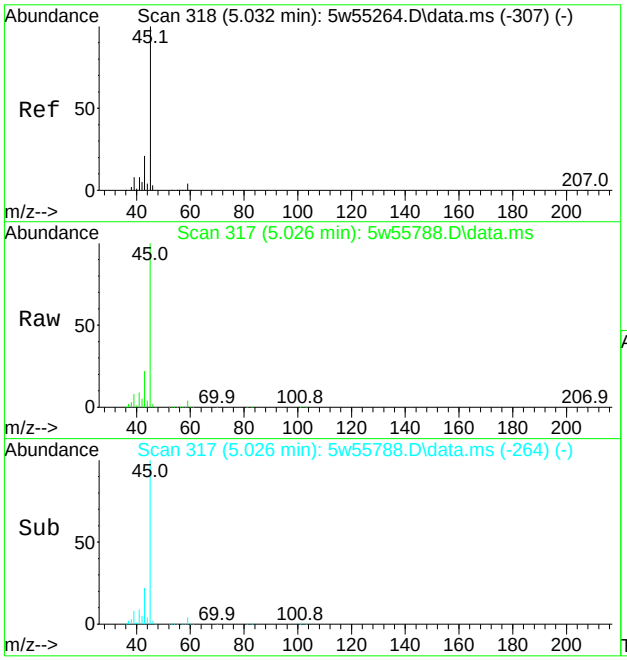


#21
TRICHLOROFLUOROMETHANE
Concen: 4.8838 PPBV
RT: 4.941 min Scan# 303
Delta R.T. -0.006 min
Lab File: 5w55788.D
Acq: 20 Dec 2024 9:22 pm

Tgt Ion:101 Resp: 369288

Ion	Ratio	Lower	Upper
101	100		
103	63.5	34.7	94.7
105	10.2	0.0	40.5

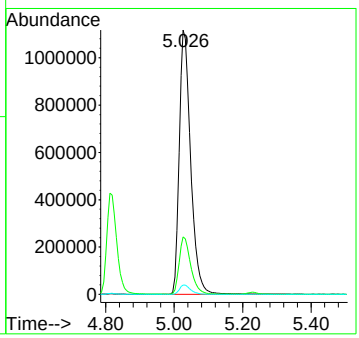


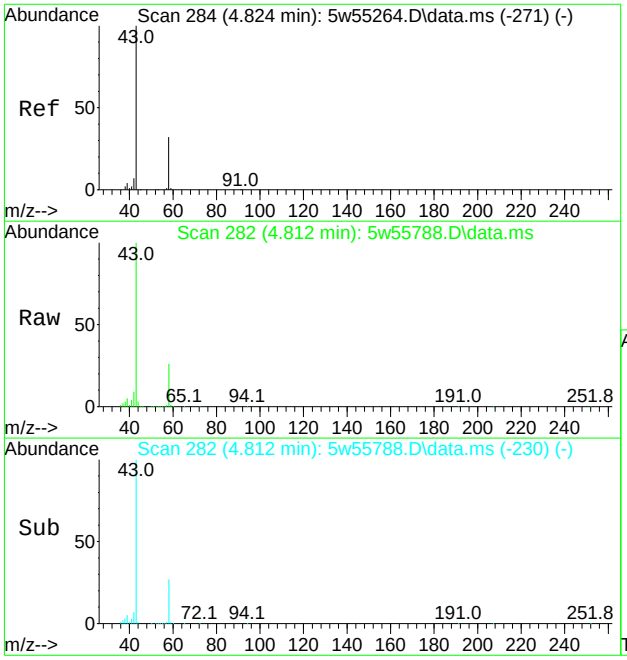


#22
ISOPROPYL ALCOHOL
Concen: 54.1394 PPBV
RT: 5.026 min Scan# 317
Delta R.T. -0.006 min
Lab File: 5w55788.D
Acq: 20 Dec 2024 9:22 pm

Tgt Ion: 45 Resp: 2593785

Ion	Ratio	Lower	Upper
45	100		
43	21.7	0.0	50.8
59	3.5	0.0	33.8

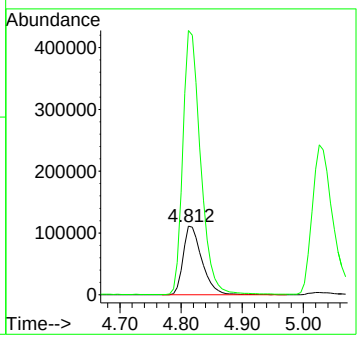


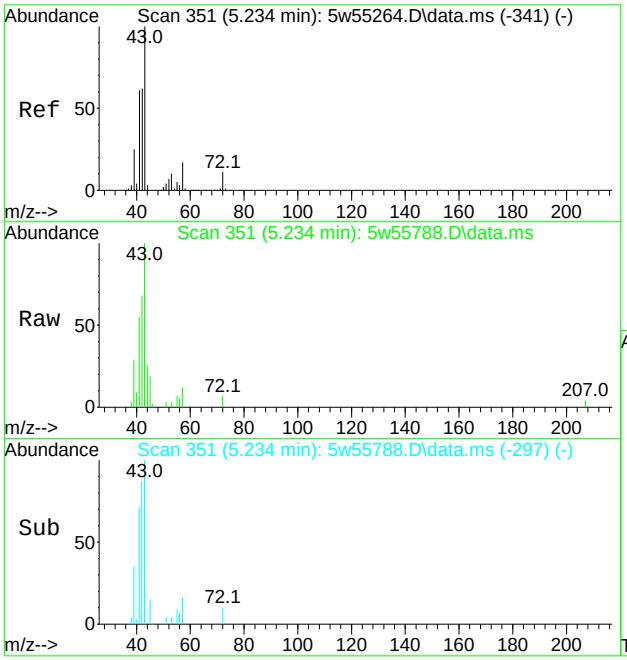


#23
ACETONE
Concen: 13.1354 PPBV
RT: 4.812 min Scan# 282
Delta R.T. -0.012 min
Lab File: 5w55788.D
Acq: 20 Dec 2024 9:22 pm

Tgt Ion: 58 Resp: 237206

Ion	Ratio	Lower	Upper
58	100		
43	364.3	312.3	372.3

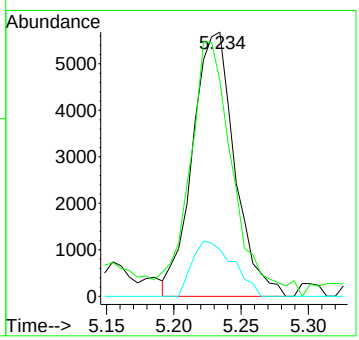


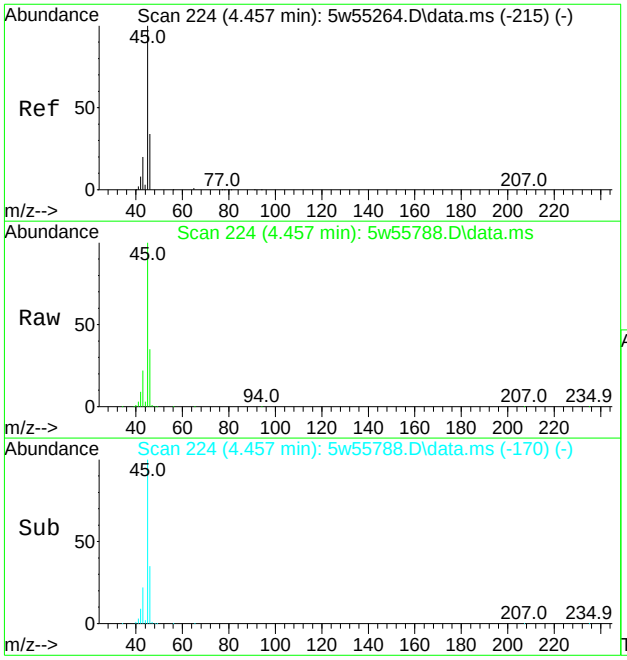


#24
PENTANE
Concen: 0.5205 PPBV
RT: 5.234 min Scan# 351
Delta R.T. -0.000 min
Lab File: 5w55788.D
Acq: 20 Dec 2024 9:22 pm

Tgt Ion: 42 Resp: 12388

Ion	Ratio	Lower	Upper
42	100		
41	98.3	64.4	124.4
57	20.3	0.0	55.0

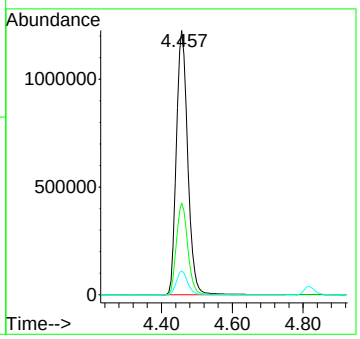


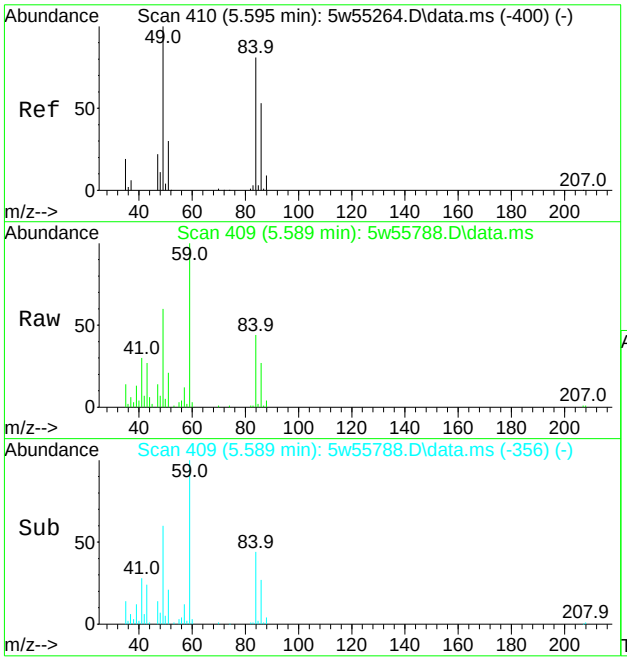


#28
ETHANOL
Concen: 156.0661 PPBV
RT: 4.457 min Scan# 224
Delta R.T. -0.000 min
Lab File: 5w55788.D
Acq: 20 Dec 2024 9:22 pm

Tgt Ion: 45 Resp: 2740313

Ion	Ratio	Lower	Upper
45	100		
46	34.8	4.5	64.5
42	9.1	0.0	38.6

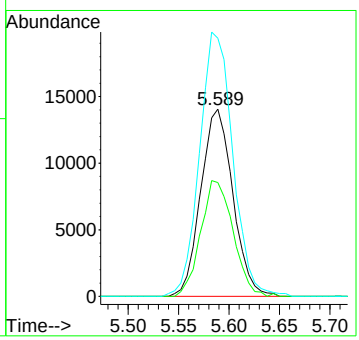


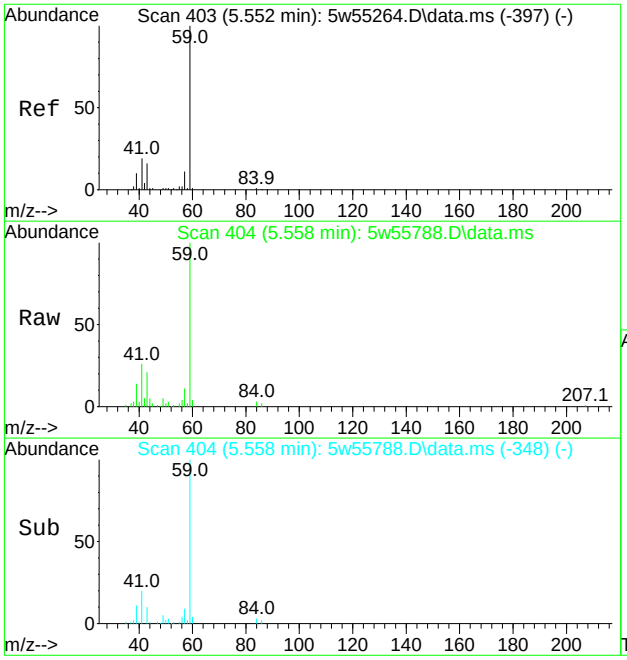


#31
METHYLENE CHLORIDE
Concen: 1.3281 PPBV
RT: 5.589 min Scan# 409
Delta R.T. -0.006 min
Lab File: 5w55788.D
Acq: 20 Dec 2024 9:22 pm

Tgt Ion: 84 Resp: 31190

Ion	Ratio	Lower	Upper
84	100		
86	62.3	34.0	94.0
49	145.9	105.8	165.8

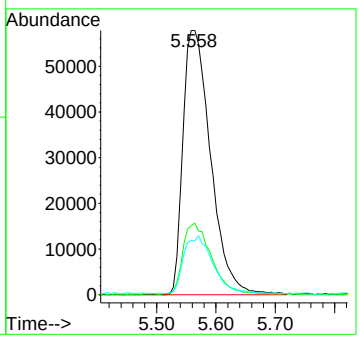


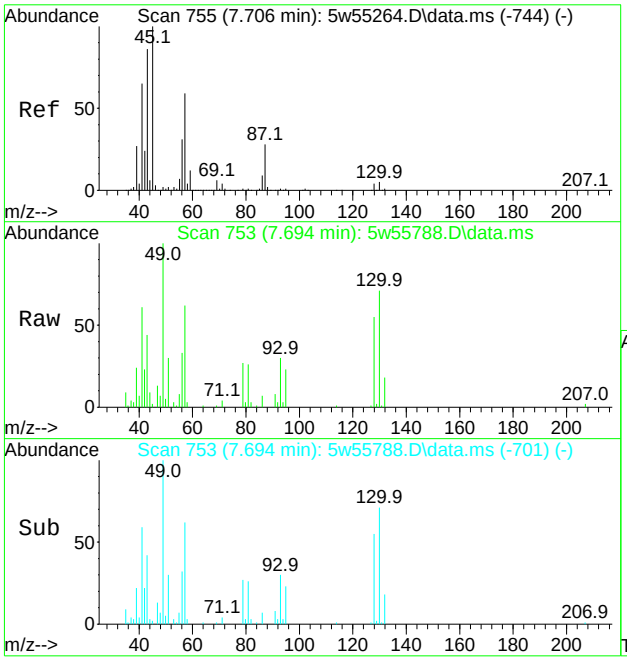


#35
TERTIARY BUTYL ALCOHOL
Concen: 4.1822 PPBV
RT: 5.558 min Scan# 404
Delta R.T. 0.012 min
Lab File: 5w55788.D
Acq: 20 Dec 2024 9:22 pm

Tgt Ion: 59 Resp: 188480

Ion	Ratio	Lower	Upper
59	100		
41	28.4	0.0	53.1
43	23.1	0.0	47.1

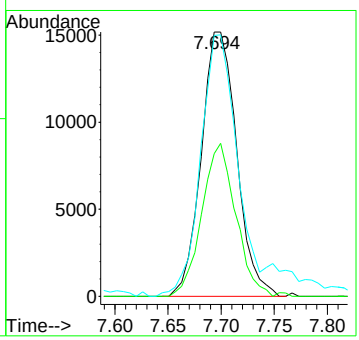


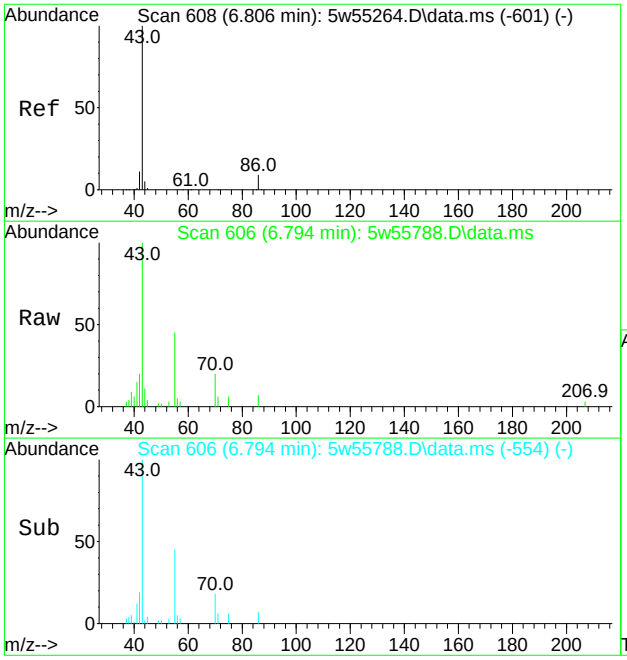


#38
HEXANE
Concen: 1.0040 PPBV
RT: 7.694 min Scan# 753
Delta R.T. -0.012 min
Lab File: 5w55788.D
Acq: 20 Dec 2024 9:22 pm

Tgt Ion: 57 Resp: 35223

Ion	Ratio	Lower	Upper
57	100		
56	55.7	24.2	84.2
41	116.6	92.1	152.1

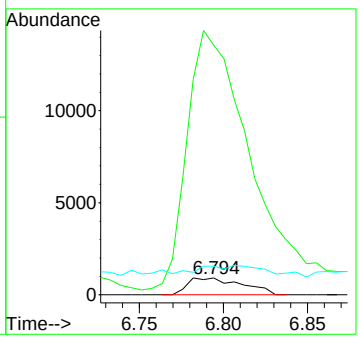


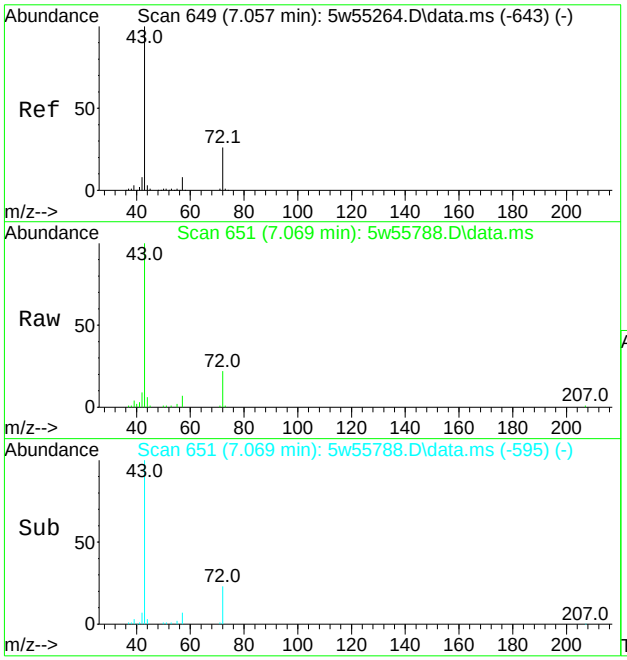


#39
VINYL ACETATE
Concen: 0.5160 PPBV
RT: 6.794 min Scan# 606
Delta R.T. -0.012 min
Lab File: 5w55788.D
Acq: 20 Dec 2024 9:22 pm

Tgt Ion: 86 Resp: 2069

Ion	Ratio	Lower	Upper
86	100		
43	1953.0	1335.5	1395.5#
44	78.5	40.9	100.9

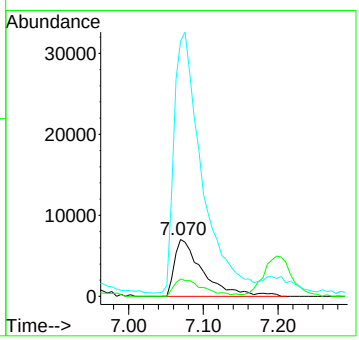


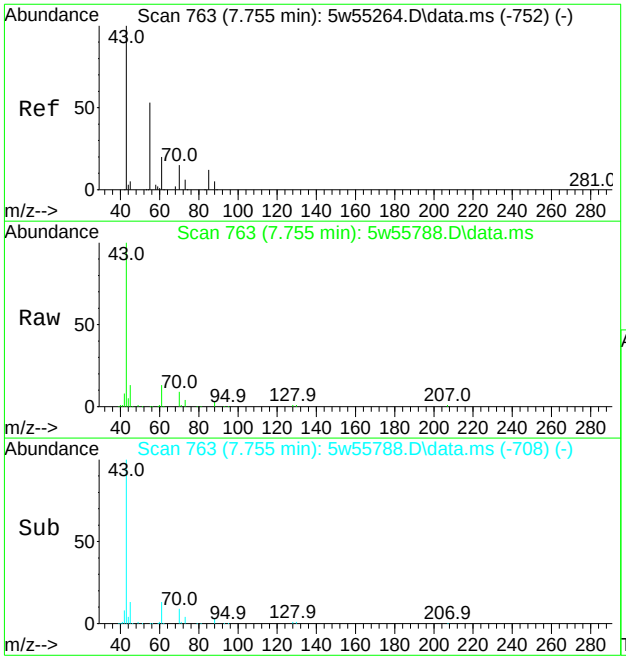


#41
METHYL ETHYL KETONE
Concen: 1.9134 PPBV
RT: 7.069 min Scan# 651
Delta R.T. 0.012 min
Lab File: 5w55788.D
Acq: 20 Dec 2024 9:22 pm

Tgt Ion: 72 Resp: 18583

Ion	Ratio	Lower	Upper
72	100		
57	30.5	1.1	61.1
43	449.1	390.6	450.6

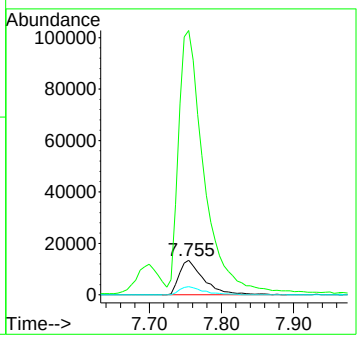


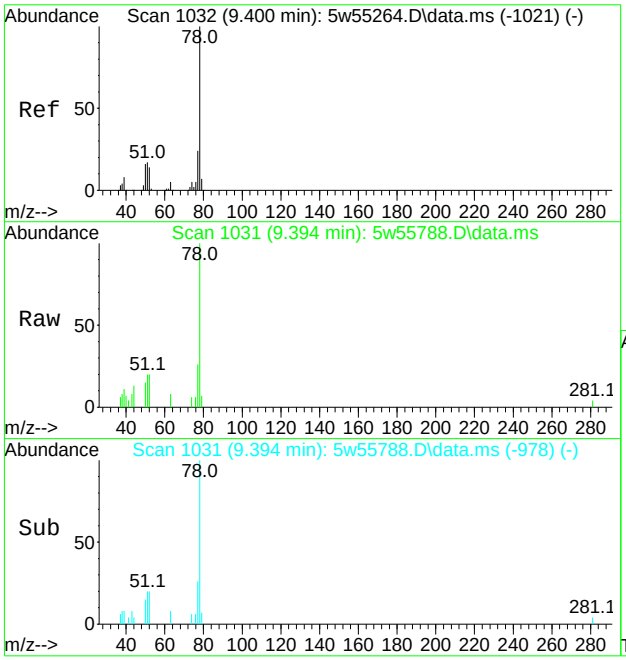


#44
ETHYL ACETATE
Concen: 4.4031 PPBV
RT: 7.755 min Scan# 763
Delta R.T. 0.006 min
Lab File: 5w55788.D
Acq: 20 Dec 2024 9:22 pm

Tgt Ion: 61 Resp: 31546

Ion	Ratio	Lower	Upper
61	100		
43	802.9	0.0	30.0#
88	23.0	7.3	67.3

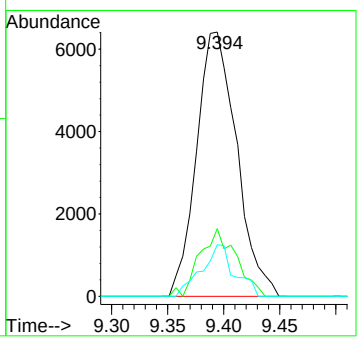


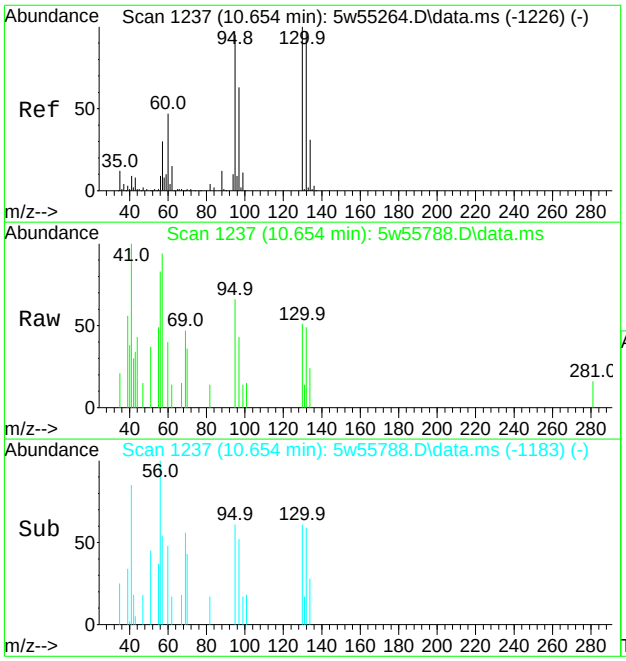


#52
BENZENE
Concen: 0.2003 PPBV
RT: 9.394 min Scan# 1031
Delta R.T. -0.006 min
Lab File: 5w55788.D
Acq: 20 Dec 2024 9:22 pm

Tgt Ion: 78 Resp: 15996

Ion	Ratio	Lower	Upper
78	100		
77	23.0	0.0	54.0
52	16.0	0.0	45.6

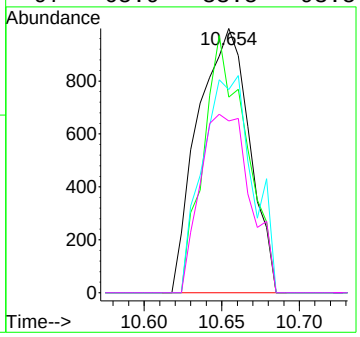


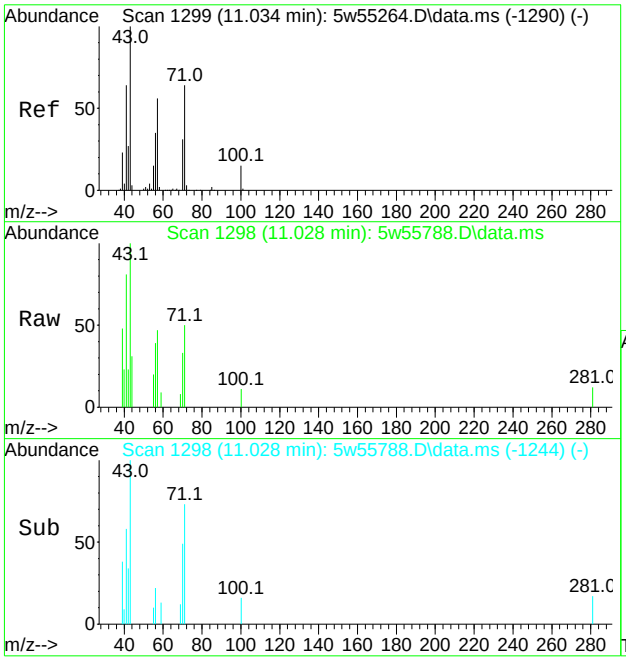


#55
TRICHLOROETHYLENE
Concen: 0.0550 PPBV
RT: 10.654 min Scan# 1237
Delta R.T. -0.000 min
Lab File: 5w55788.D
Acq: 20 Dec 2024 9:22 pm

Tgt Ion: 95 Resp: 2315

Ion	Ratio	Lower	Upper
95	100		
132	80.6	60.0	120.0
130	79.4	64.1	124.1
97	65.9	33.5	93.5

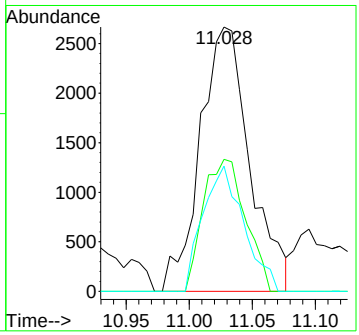


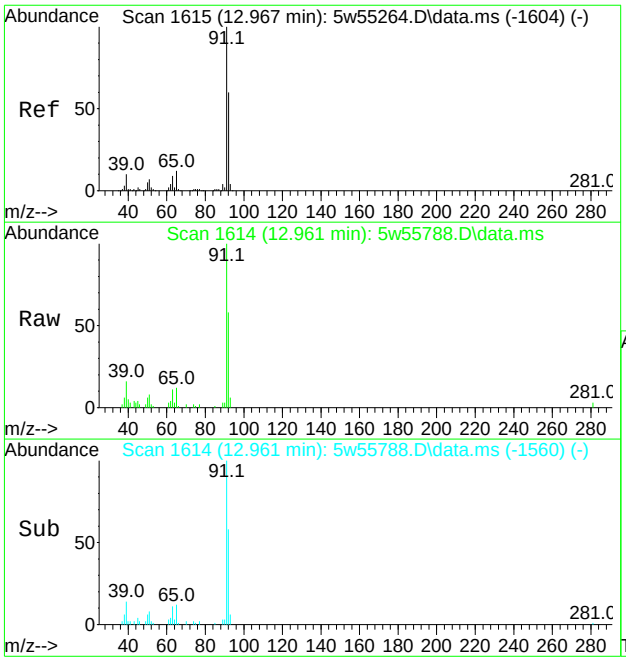


#62
HEPTANE
Concen: 0.1729 PPBV
RT: 11.028 min Scan# 1298
Delta R.T. -0.000 min
Lab File: 5w55788.D
Acq: 20 Dec 2024 9:22 pm

Tgt Ion: 43 Resp: 7324

Ion	Ratio	Lower	Upper
43	100		
71	42.4	27.2	87.2
57	38.8	22.5	82.5

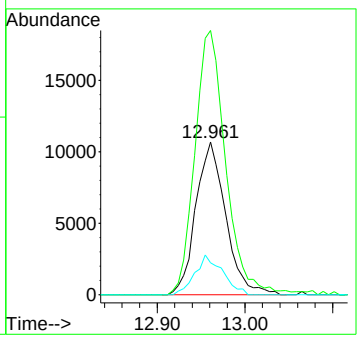


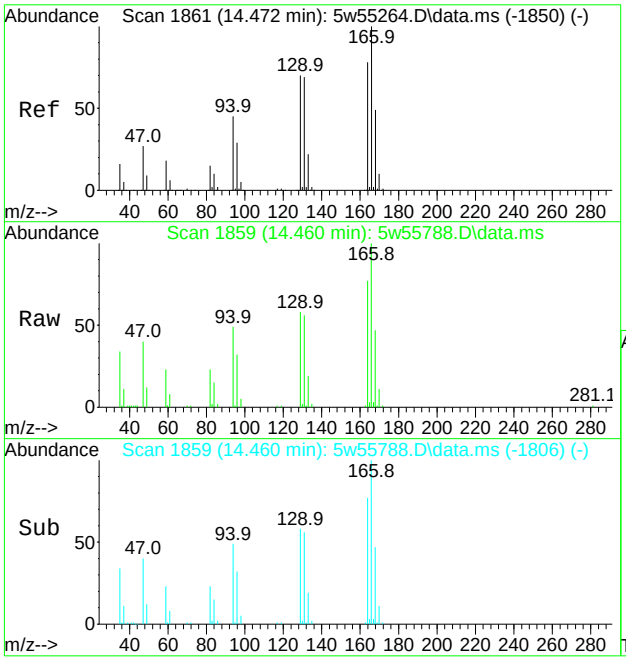


#66
TOLUENE
Concen: 0.4535 PPBV
RT: 12.961 min Scan# 1614
Delta R.T. -0.000 min
Lab File: 5w55788.D
Acq: 20 Dec 2024 9:22 pm

Tgt Ion: 92 Resp: 25332

Ion	Ratio	Lower	Upper
92	100		
91	178.8	143.4	203.4
65	23.9	0.0	53.8

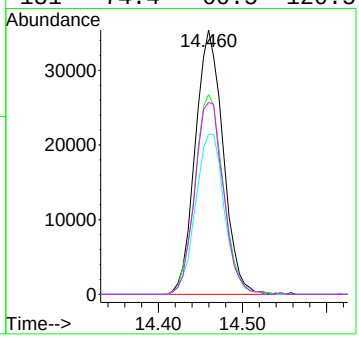


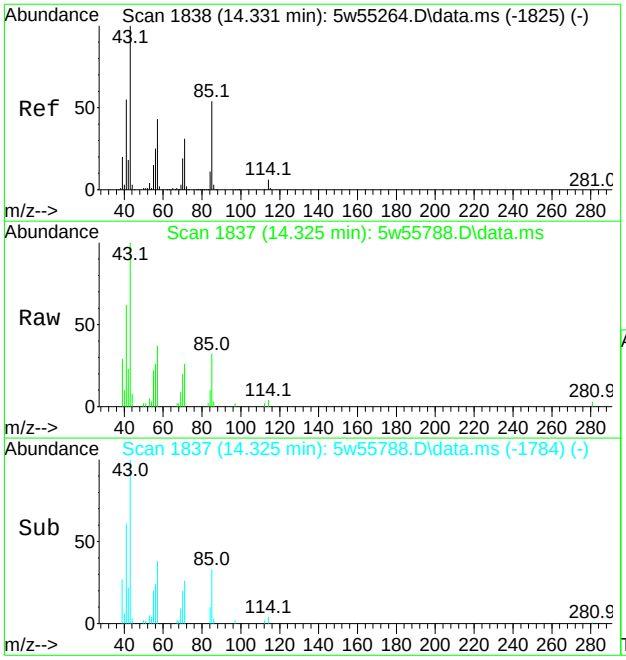


#73
TETRACHLOROETHYLENE
Concen: 2.0817 PPBV
RT: 14.460 min Scan# 1859
Delta R.T. -0.006 min
Lab File: 5w55788.D
Acq: 20 Dec 2024 9:22 pm

Tgt Ion:164 Resp: 81632

Ion	Ratio	Lower	Upper
164	100		
129	77.3	64.4	124.4
168	62.9	31.2	91.2
131	74.4	60.5	120.5

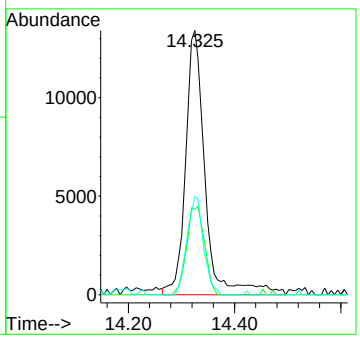


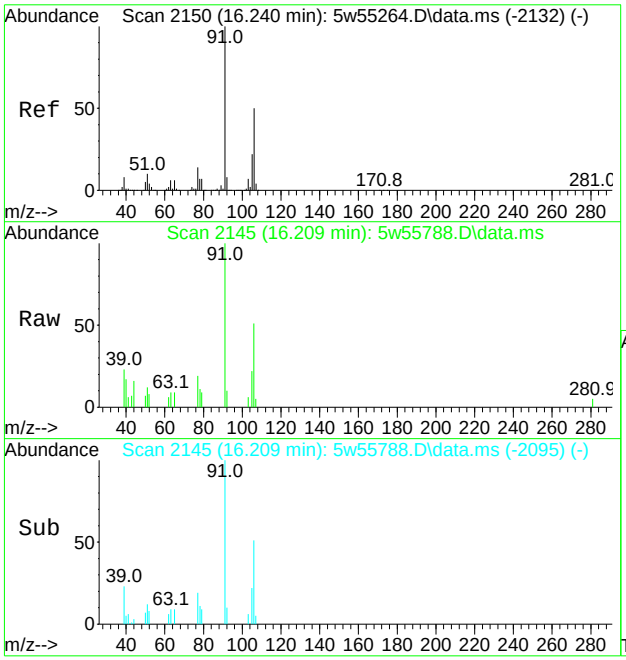


#76
OCTANE
Concen: 0.6500 PPBV
RT: 14.325 min Scan# 1837
Delta R.T. -0.006 min
Lab File: 5w55788.D
Acq: 20 Dec 2024 9:22 pm

Tgt Ion: 43 Resp: 34275

Ion	Ratio	Lower	Upper
43	100		
85	30.7	13.7	73.7
57	31.5	9.9	69.9

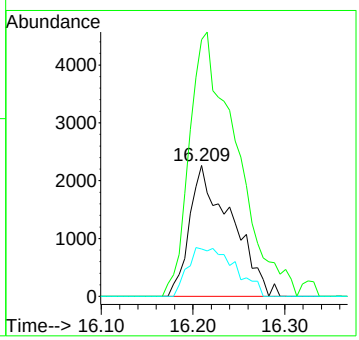


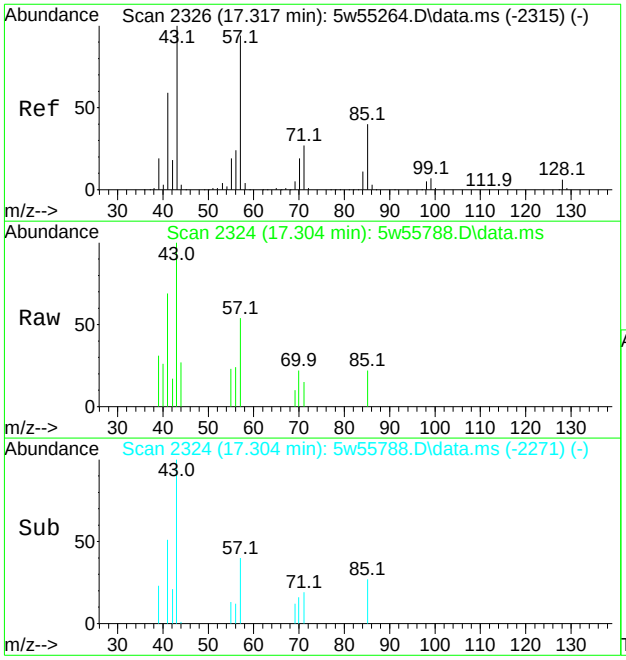


#80
m,p-XYLENE
Concen: 0.1710 PPBV
RT: 16.209 min Scan# 2145
Delta R.T. -0.024 min
Lab File: 5w55788.D
Acq: 20 Dec 2024 9:22 pm

Tgt Ion:106 Resp: 7183

Ion	Ratio	Lower	Upper
106	100		
91	195.9	181.2	241.2
77	36.3	0.1	60.1

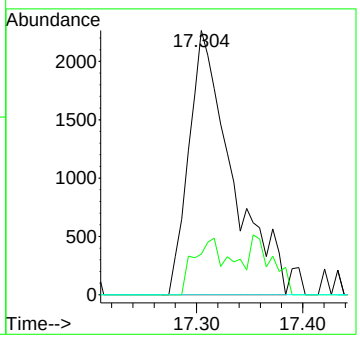


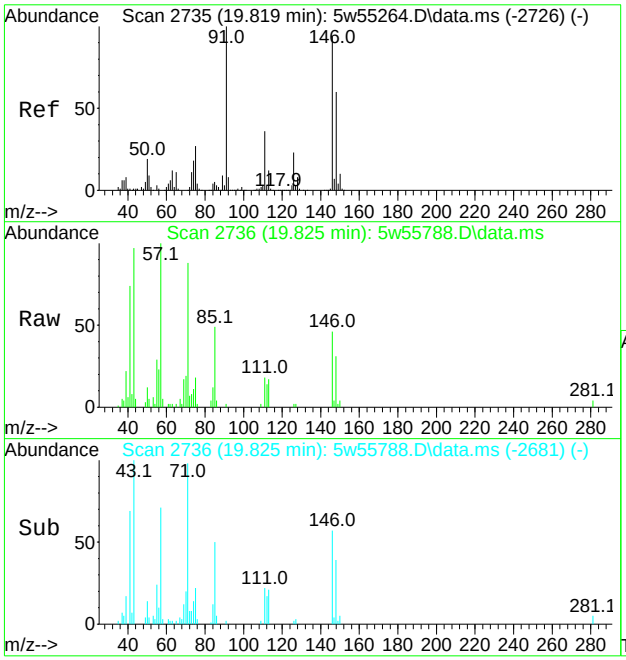


#83
NONANE
Concen: 0.1160 PPBV
RT: 17.304 min Scan# 2324
Delta R.T. -0.006 min
Lab File: 5w55788.D
Acq: 20 Dec 2024 9:22 pm

Tgt Ion: 43 Resp: 6385

Ion	Ratio	Lower	Upper
43	100		
71	19.0	0.0	53.8
128	0.0	0.0	34.3

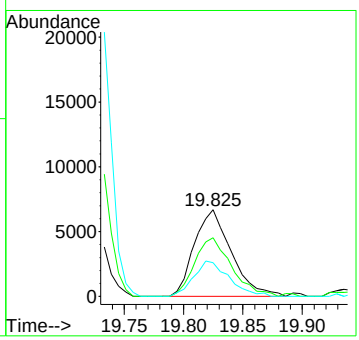


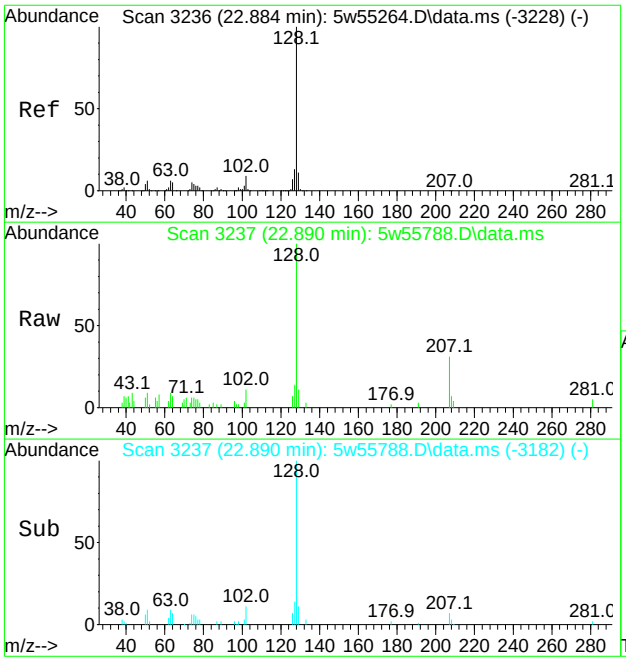


#97
m-DICHLOROBENZENE
Concen: 0.1762 PPBV
RT: 19.825 min Scan# 2736
Delta R.T. 0.006 min
Lab File: 5w55788.D
Acq: 20 Dec 2024 9:22 pm

Tgt Ion:146 Resp: 14483

Ion	Ratio	Lower	Upper
146	100		
148	67.4	34.2	94.2
111	39.2	10.1	70.1

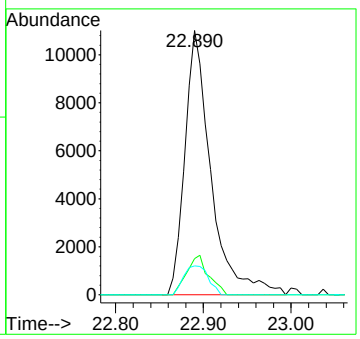




#108
NAPHTHALENE
Concen: 0.1559 PPBV
RT: 22.890 min Scan# 3237
Delta R.T. 0.006 min
Lab File: 5w55788.D
Acq: 20 Dec 2024 9:22 pm

Tgt Ion:128 Resp: 22760

Ion	Ratio	Lower	Upper
128	100		
127	12.5	0.0	43.1
129	10.3	0.0	41.1



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55789.D
Acq On : 20 Dec 2024 10:14 pm
Operator : thomash
Sample : je2489-4 Inst : GCMS5W
Misc : MS88104,V5W2136,740,,,,1.48
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 23 07:32:49 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

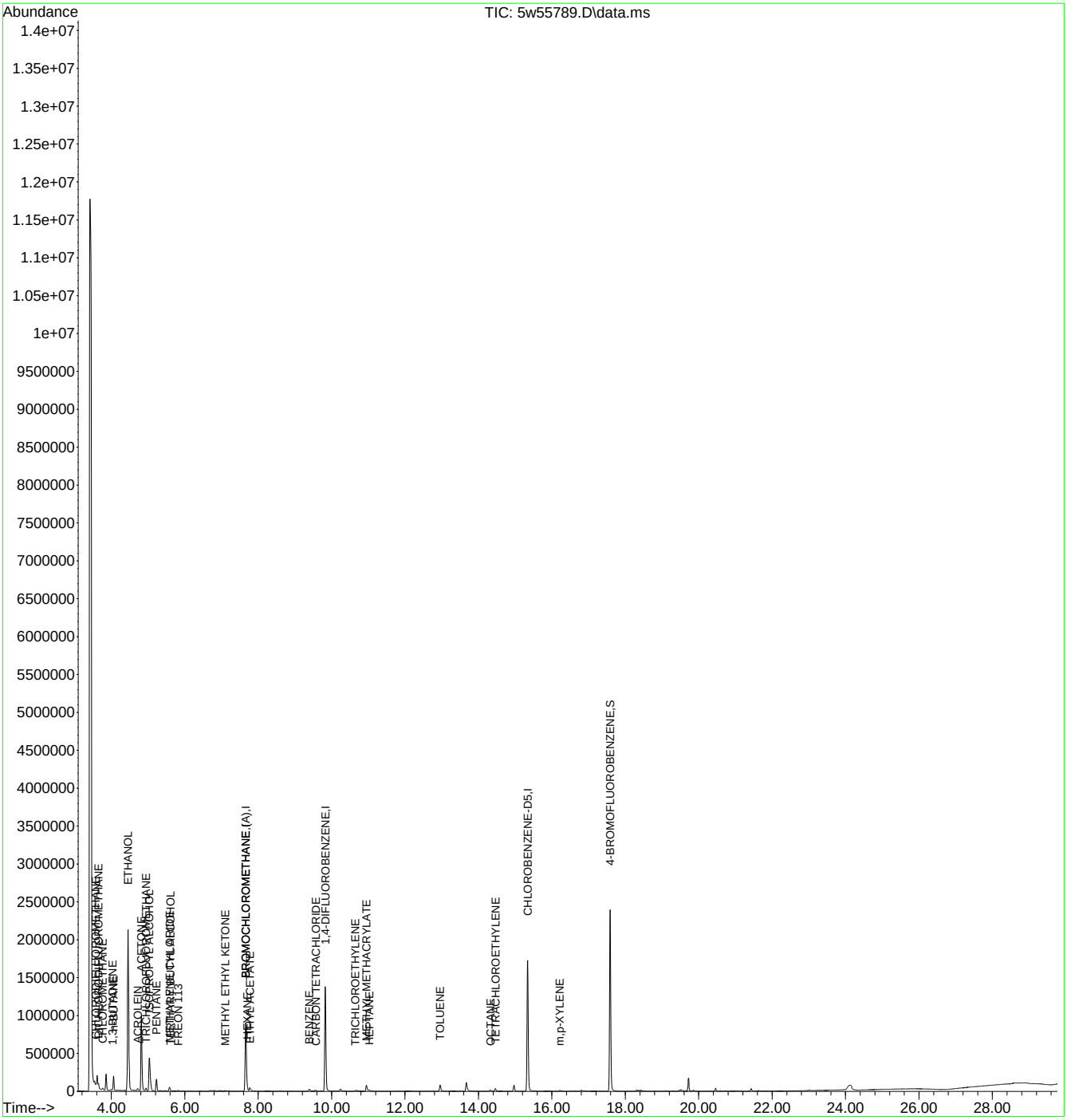
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	7.657	128	246511	10.00	PPBV	#-0.01
51) 1,4-DIFLUOROBENZENE	9.829	114	1204091	10.00	PPBV	0.00
70) CHLOROBENZENE-D5	15.341	82	692043	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	7.657	128	246511	10.00	PPBV	#-0.01
System Monitoring Compounds						
85) 4-BROMOFLUOROBENZENE	17.586	95	860525	11.11	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 111.10%			
Target Compounds						Qvalue
4) CHLORODIFLUOROMETHANE	3.570	67	5814	0.6148	PPBV	94
6) DICHLORODIFLUOROMETHANE	3.650	85	58004	0.6439	PPBV	99
10) CHLOROMETHANE	3.766	52	6649	0.5723	PPBV #	85
12) 1,3-BUTADIENE	4.029	54	2638	0.0961	PPBV #	16
13) n-BUTANE	4.060	43	163089	3.0968	PPBV	97
18) ACROLEIN	4.714	56	23353	1.7581	PPBV	96
21) TRICHLOROFLUOROMETHANE	4.941	101	30231	0.3631	PPBV	98
22) ISOPROPYL ALCOHOL	5.032	45	734231	13.9198	PPBV	97
23) ACETONE	4.812	58	336455	16.9225	PPBV #	83
24) PENTANE	5.228	42	69970	2.6703	PPBV	98
28) ETHANOL	4.451	45	2839197	146.8674	PPBV	99
31) METHYLENE CHLORIDE	5.589	84	17052	0.6595	PPBV	95
33) FREON 113	5.815	151	4208	0.0981	PPBV	94
35) TERTIARY BUTYL ALCOHOL	5.613	59	6775	0.1365	PPBV #	57
38) HEXANE	7.700	57	17178	0.4447	PPBV	83
41) METHYL ETHYL KETONE	7.100	72	4190	0.3918	PPBV #	71
44) ETHYL ACETATE	7.773	61	8280	1.0497	PPBV #	73
49) CARBON TETRACHLORIDE	9.566	117	7023	0.1034	PPBV	97
52) BENZENE	9.394	78	30515	0.3496	PPBV	98
55) TRICHLOROETHYLENE	10.642	95	2299	0.0500	PPBV	87
62) HEPTANE	11.028	43	8132	0.1757	PPBV	85
63) METHYL METHACRYLATE	10.942	69	41241	1.4214	PPBV #	75
66) TOLUENE	12.955	92	43730	0.7164	PPBV	99
73) TETRACHLOROETHYLENE	14.466	164	9621	0.2128	PPBV	86
76) OCTANE	14.331	43	15979	0.2629	PPBV #	55
80) m,p-XYLENE	16.209	106	5606	0.1158	PPBV	98

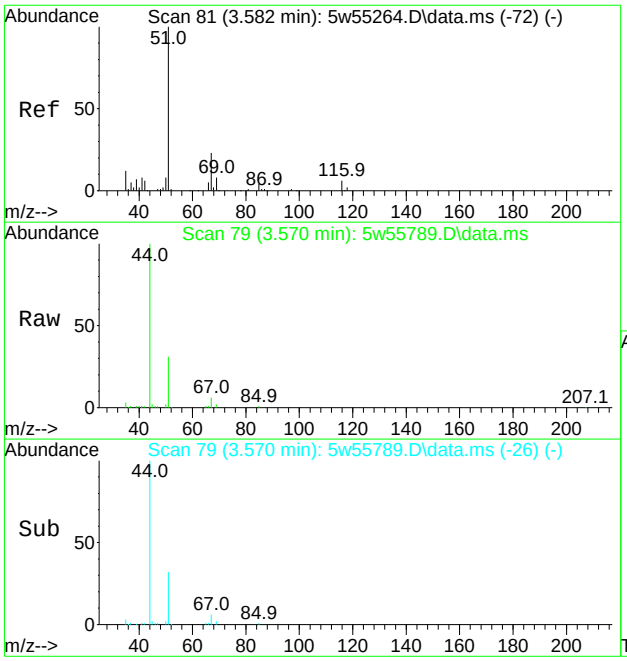
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55789.D
Acq On : 20 Dec 2024 10:14 pm
Operator : thomash
Sample : je2489-4 Inst : GCMS5W
Misc : MS88104,V5W2136,740,,,,1.48
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 23 07:32:49 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

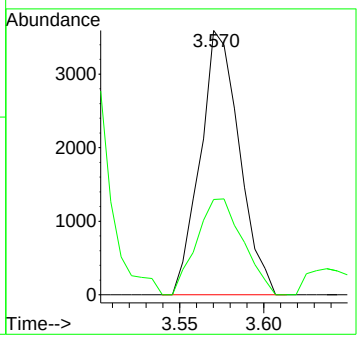


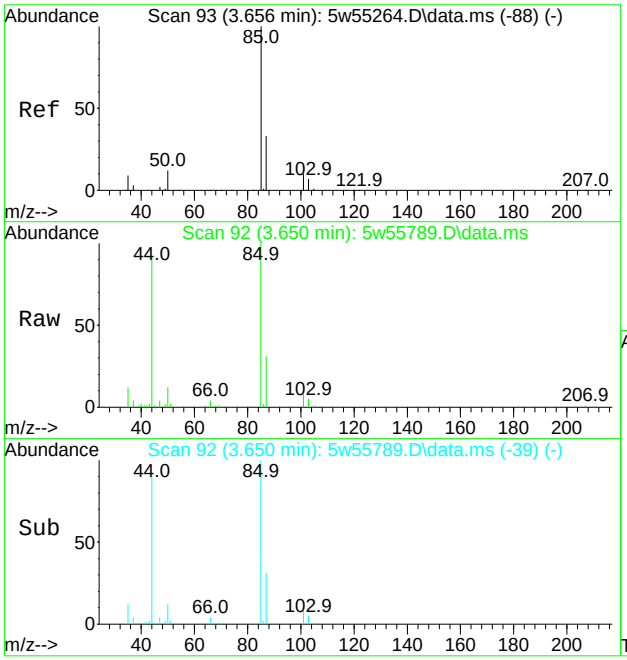


#4
CHLORODIFLUOROMETHANE
Concen: 0.6148 PPBV
RT: 3.570 min Scan# 79
Delta R.T. -0.006 min
Lab File: 5w55789.D
Acq: 20 Dec 2024 10:14 pm

Tgt Ion: 67 Resp: 5814

Ion	Ratio	Lower	Upper
67	100		
69	36.0	2.9	62.9

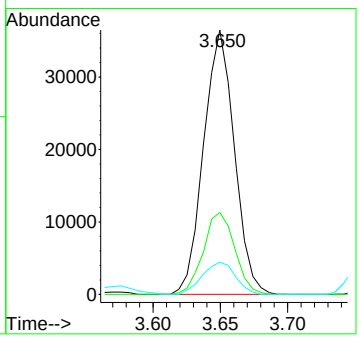


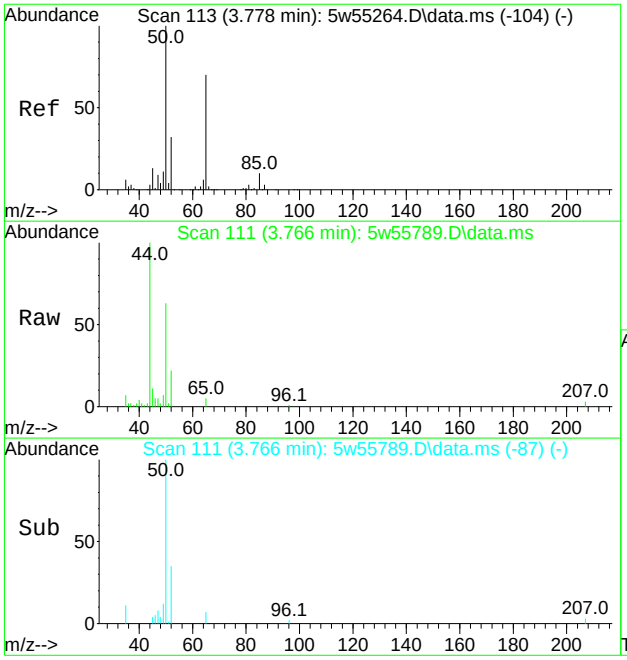


#6
DICHLORODIFLUOROMETHANE
Concen: 0.6439 PPBV
RT: 3.650 min Scan# 92
Delta R.T. -0.006 min
Lab File: 5w55789.D
Acq: 20 Dec 2024 10:14 pm

Tgt Ion: 85 Resp: 58004

Ion	Ratio	Lower	Upper
85	100		
87	31.6	2.6	62.6
50	13.1	0.0	43.0

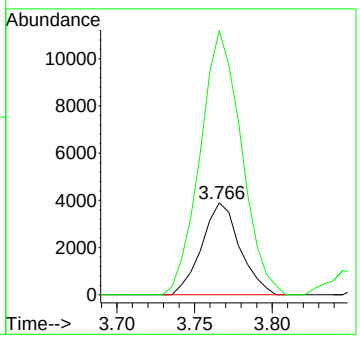


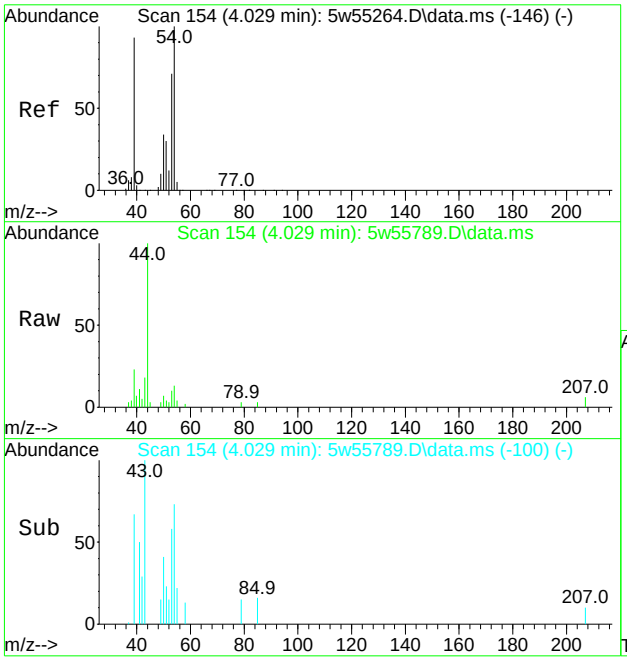


#10
CHLOROMETHANE
Concen: 0.5723 PPBV
RT: 3.766 min Scan# 111
Delta R.T. -0.006 min
Lab File: 5w55789.D
Acq: 20 Dec 2024 10:14 pm

Tgt Ion: 52 Resp: 6649

Ion	Ratio	Lower	Upper
52	100		
50	287.7	287.9	347.9#

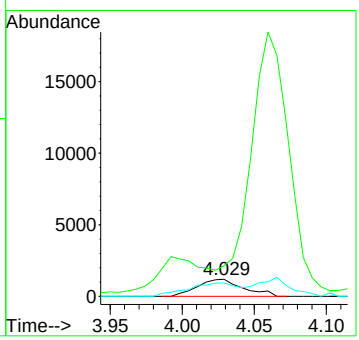


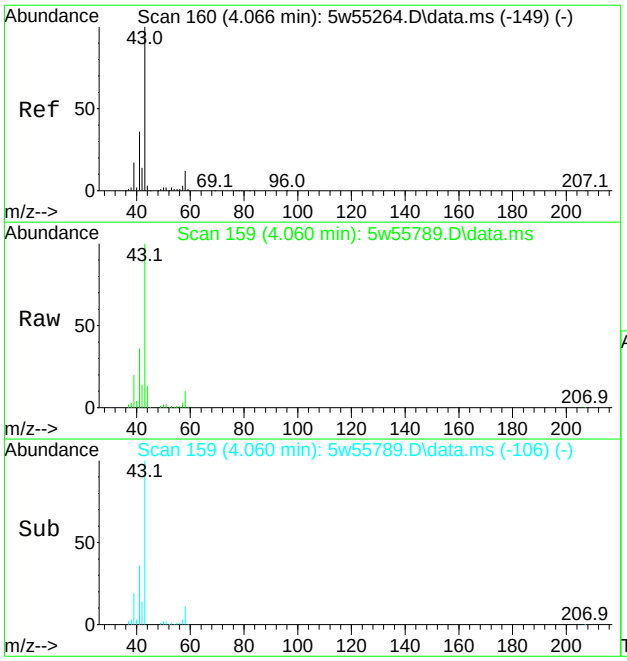


#12
1,3-BUTADIENE
Concen: 0.0961 PPBV
RT: 4.029 min Scan# 154
Delta R.T. -0.000 min
Lab File: 5w55789.D
Acq: 20 Dec 2024 10:14 pm

Tgt Ion: 54 Resp: 2638

Ion	Ratio	Lower	Upper
54	100		
39	0.0	103.6	163.6#
53	95.7	41.1	101.1

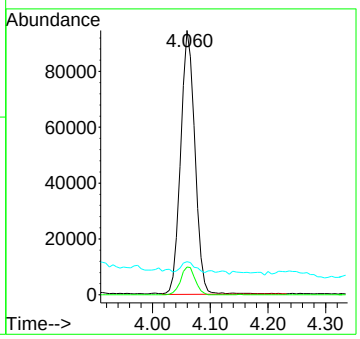


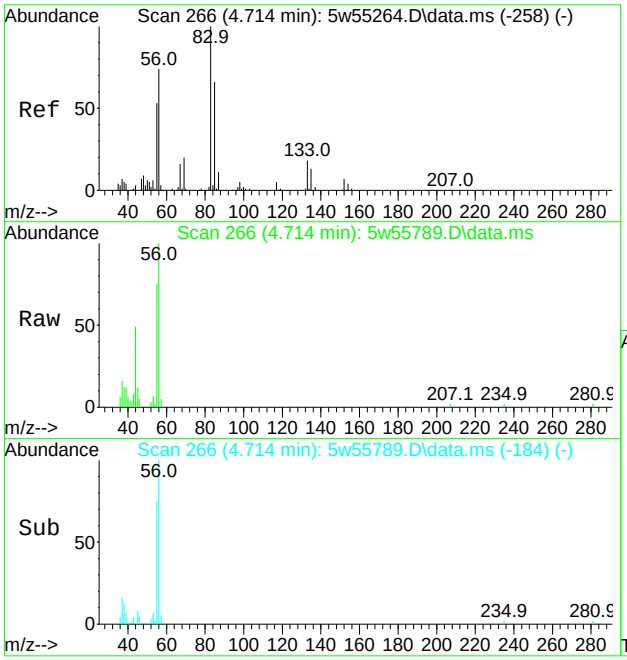


#13
n-BUTANE
Concen: 3.0968 PPBV
RT: 4.060 min Scan# 159
Delta R.T. -0.006 min
Lab File: 5w55789.D
Acq: 20 Dec 2024 10:14 pm

Tgt Ion: 43 Resp: 163089

Ion	Ratio	Lower	Upper
43	100		
58	10.7	0.0	41.6
44	5.7	0.0	34.7

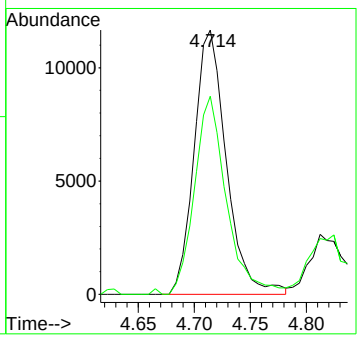


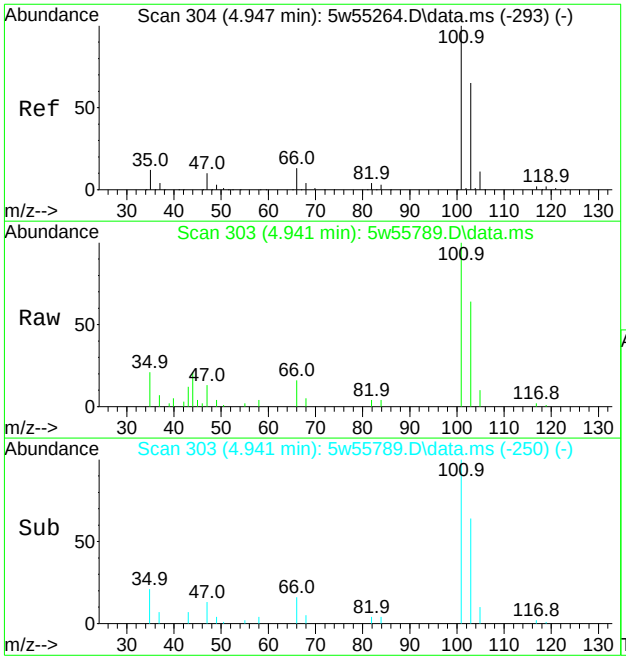


#18
ACROLEIN
Concen: 1.7581 PPBV
RT: 4.714 min Scan# 266
Delta R.T. -0.000 min
Lab File: 5w55789.D
Acq: 20 Dec 2024 10:14 pm

Tgt Ion: 56 Resp: 23353

Ion	Ratio	Lower	Upper
56	100		
55	74.4	49.8	92.6

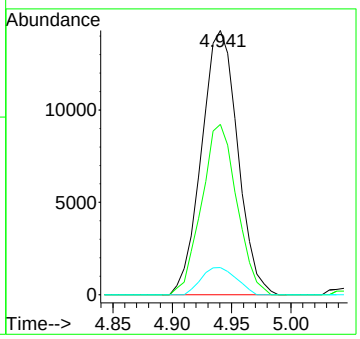


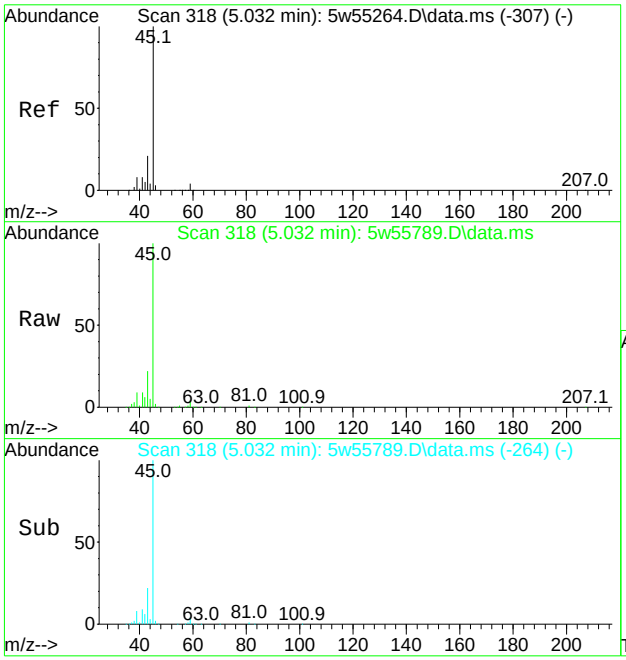


#21
TRICHLOROFLUOROMETHANE
Concen: 0.3631 PPBV
RT: 4.941 min Scan# 303
Delta R.T. -0.006 min
Lab File: 5w55789.D
Acq: 20 Dec 2024 10:14 pm

Tgt Ion:101 Resp: 30231

Ion	Ratio	Lower	Upper
101	100		
103	62.8	34.7	94.7
105	10.0	0.0	40.5

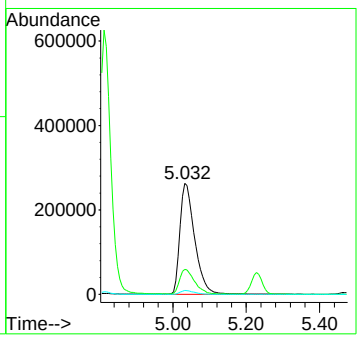


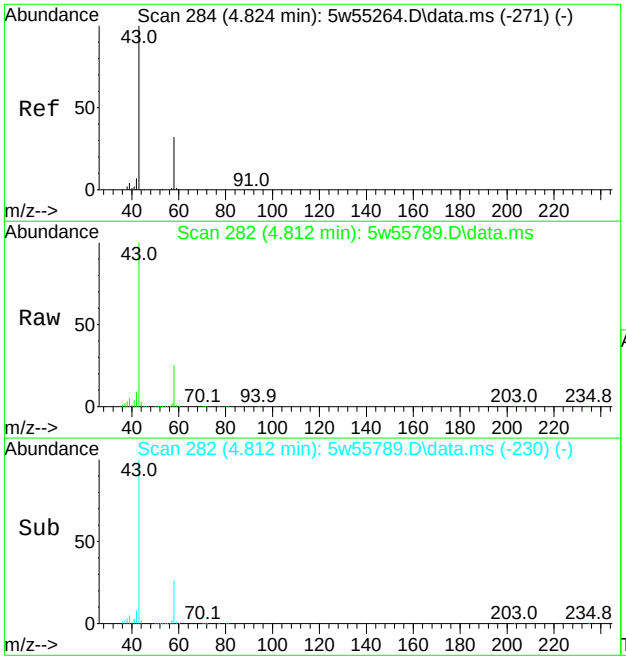


#22
ISOPROPYL ALCOHOL
Concen: 13.9198 PPBV
RT: 5.032 min Scan# 318
Delta R.T. -0.000 min
Lab File: 5w55789.D
Acq: 20 Dec 2024 10:14 pm

Tgt Ion: 45 Resp: 734231

Ion	Ratio	Lower	Upper
45	100		
43	22.4	0.0	50.8
59	3.5	0.0	33.8

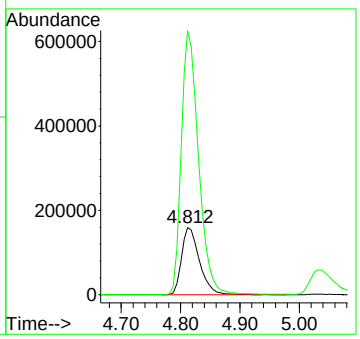


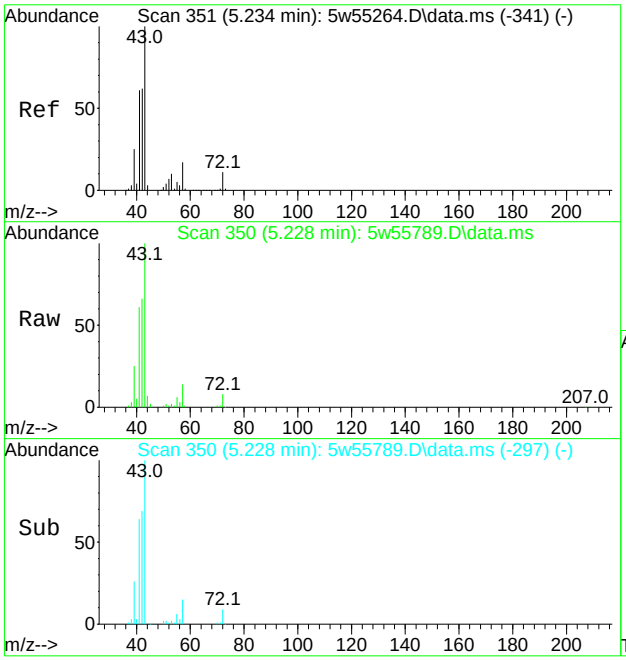


#23
ACETONE
Concen: 16.9225 PPBV
RT: 4.812 min Scan# 282
Delta R.T. -0.012 min
Lab File: 5w55789.D
Acq: 20 Dec 2024 10:14 pm

Tgt Ion: 58 Resp: 336455

Ion	Ratio	Lower	Upper
58	100		
43	378.4	312.3	372.3#

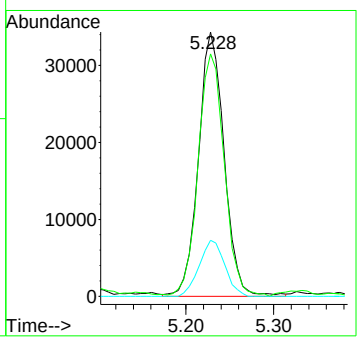


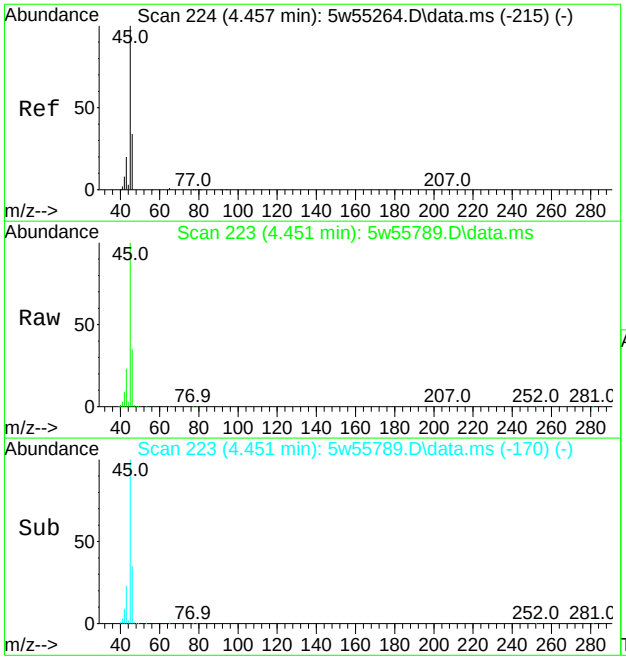


#24
PENTANE
Concen: 2.6703 PPBV
RT: 5.228 min Scan# 350
Delta R.T. -0.006 min
Lab File: 5w55789.D
Acq: 20 Dec 2024 10:14 pm

Tgt Ion: 42 Resp: 69970

Ion	Ratio	Lower	Upper
42	100		
41	93.6	64.4	124.4
57	21.1	0.0	55.0

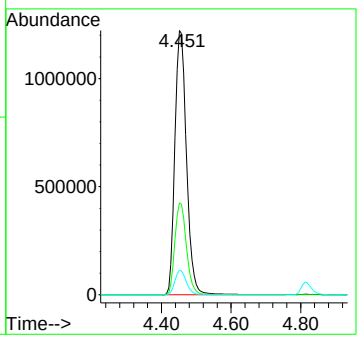


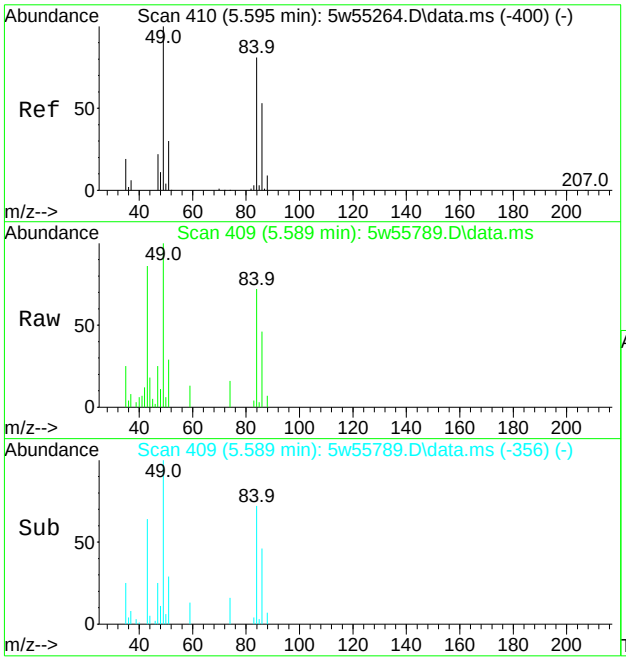


#28
ETHANOL
Concen: 146.8674 PPBV
RT: 4.451 min Scan# 223
Delta R.T. -0.006 min
Lab File: 5w55789.D
Acq: 20 Dec 2024 10:14 pm

Tgt Ion: 45 Resp: 2839197

Ion	Ratio	Lower	Upper
45	100		
46	34.9	4.5	64.5
42	9.2	0.0	38.6

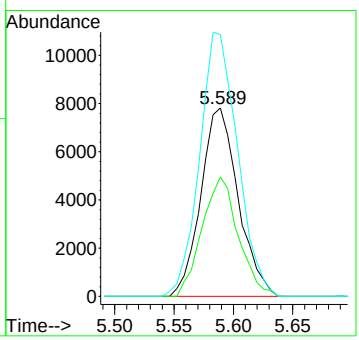


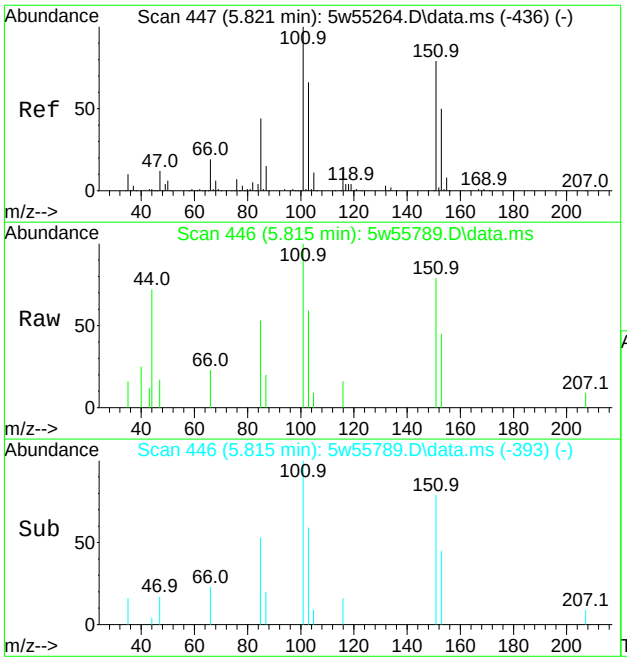


#31
METHYLENE CHLORIDE
Concen: 0.6595 PPBV
RT: 5.589 min Scan# 409
Delta R.T. -0.006 min
Lab File: 5w55789.D
Acq: 20 Dec 2024 10:14 pm

Tgt Ion: 84 Resp: 17052

Ion	Ratio	Lower	Upper
84	100		
86	61.4	34.0	94.0
49	142.7	105.8	165.8

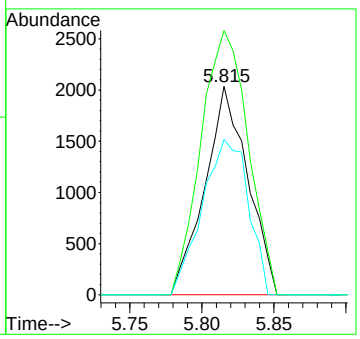


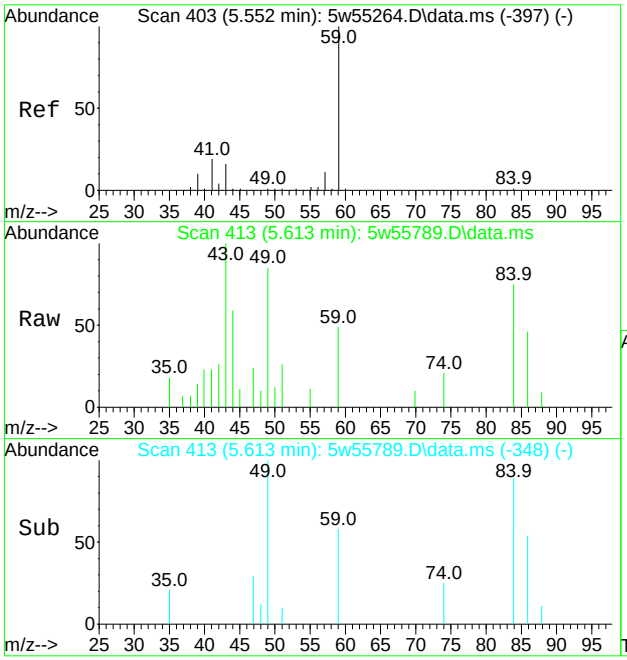


#33
FREON 113
Concen: 0.0981 PPBV
RT: 5.815 min Scan# 446
Delta R.T. -0.006 min
Lab File: 5w55789.D
Acq: 20 Dec 2024 10:14 pm

Tgt Ion:151 Resp: 4208

Ion	Ratio	Lower	Upper
151	100		
101	139.9	112.2	172.2
103	80.5	62.0	122.0

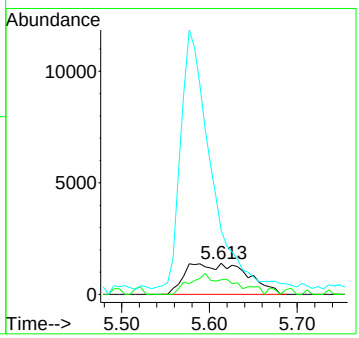


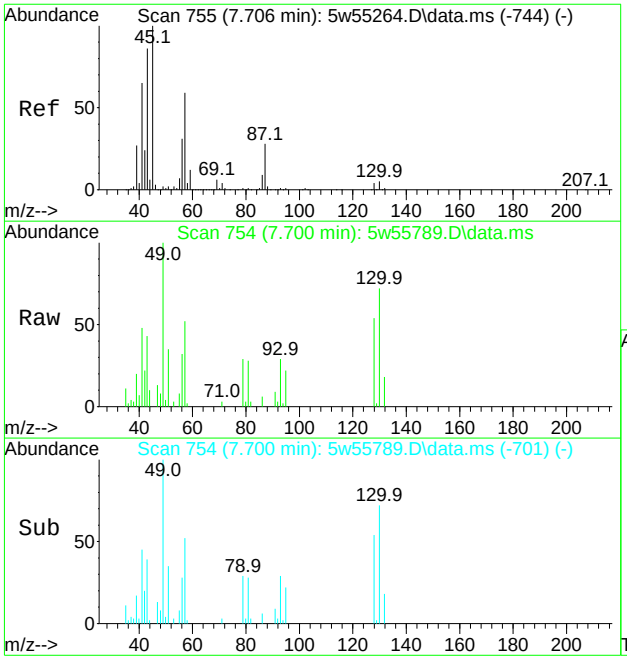


#35
TERTIARY BUTYL ALCOHOL
Concen: 0.1365 PPBV
RT: 5.613 min Scan# 413
Delta R.T. 0.067 min
Lab File: 5w55789.D
Acq: 20 Dec 2024 10:14 pm

Tgt Ion: 59 Resp: 6775

Ion	Ratio	Lower	Upper
59	100		
41	45.5	0.0	53.1
43	0.0	0.0	47.1

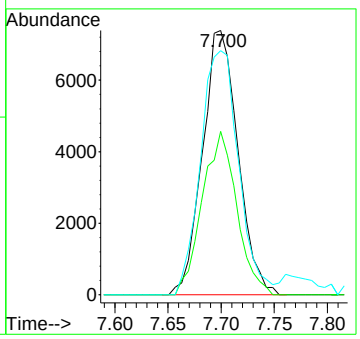


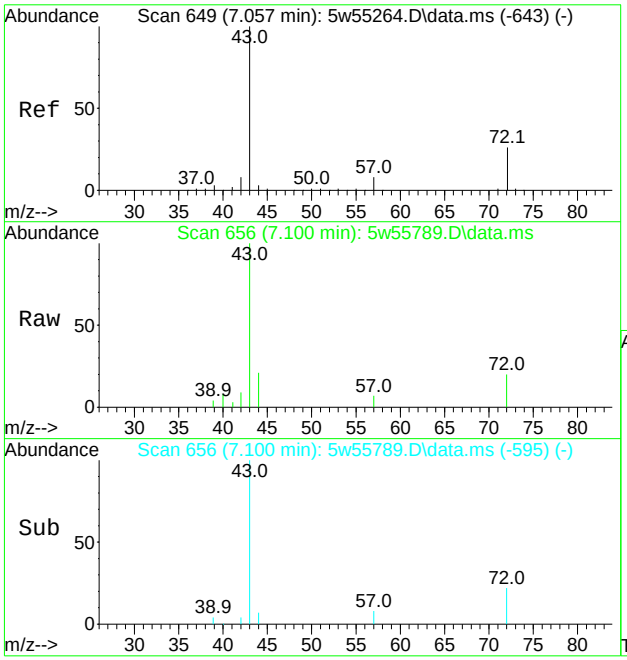


#38
HEXANE
Concen: 0.4447 PPBV
RT: 7.700 min Scan# 754
Delta R.T. -0.006 min
Lab File: 5w55789.D
Acq: 20 Dec 2024 10:14 pm

Tgt Ion: 57 Resp: 17178

Ion	Ratio	Lower	Upper
57	100		
56	60.1	24.2	84.2
41	99.0	92.1	152.1

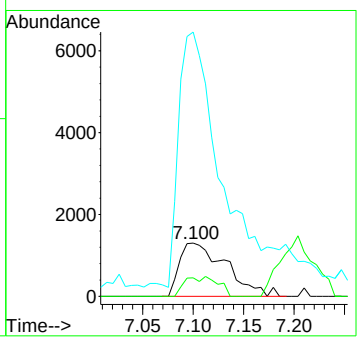


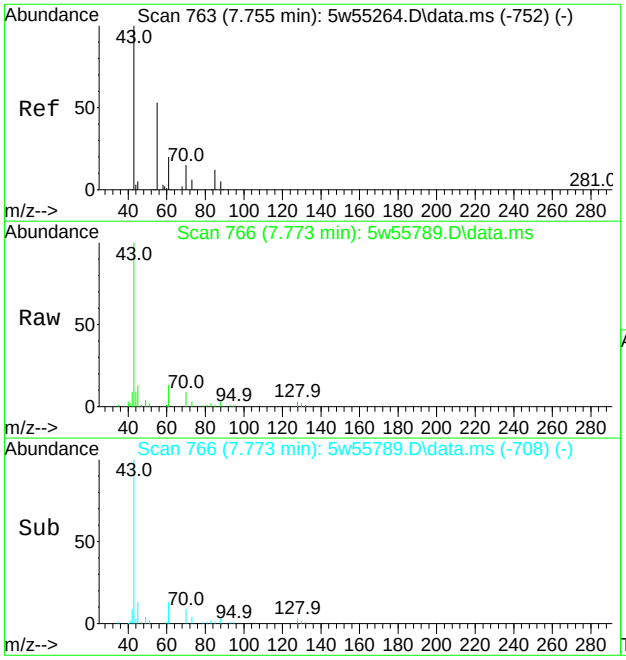


#41
METHYL ETHYL KETONE
Concen: 0.3918 PPBV
RT: 7.100 min Scan# 656
Delta R.T. 0.043 min
Lab File: 5w55789.D
Acq: 20 Dec 2024 10:14 pm

Tgt Ion: 72 Resp: 4190

Ion	Ratio	Lower	Upper
72	100		
57	34.5	1.1	61.1
43	495.5	390.6	450.6#

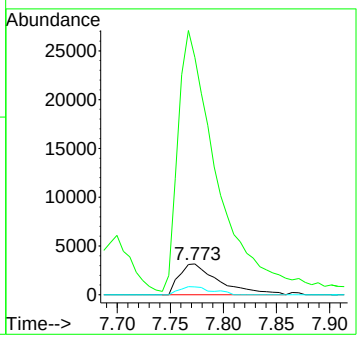


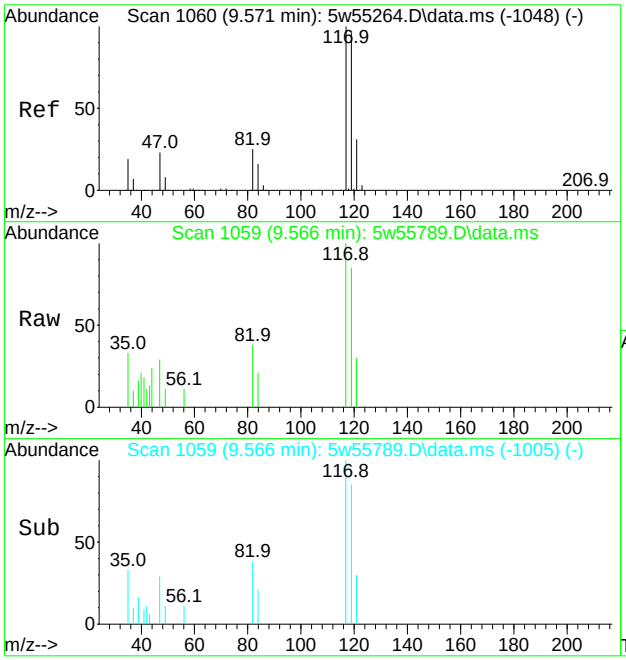


#44
ETHYL ACETATE
Concen: 1.0497 PPBV
RT: 7.773 min Scan# 766
Delta R.T. 0.024 min
Lab File: 5w55789.D
Acq: 20 Dec 2024 10:14 pm

Tgt Ion: 61 Resp: 8280

Ion	Ratio	Lower	Upper
61	100		
43	884.8	0.0	30.0#
88	21.2	7.3	67.3

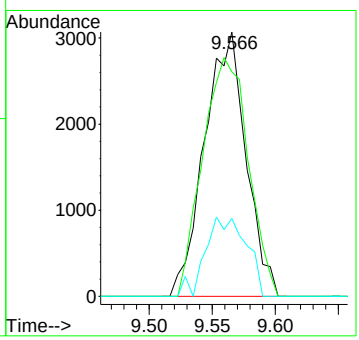


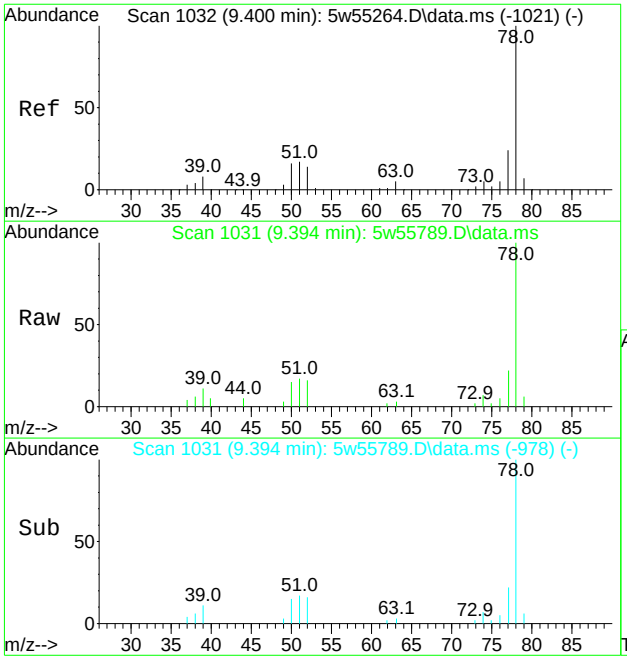


#49
CARBON TETRACHLORIDE
Concen: 0.1034 PPBV
RT: 9.566 min Scan# 1059
Delta R.T. -0.000 min
Lab File: 5w55789.D
Acq: 20 Dec 2024 10:14 pm

Tgt Ion:117 Resp: 7023

Ion	Ratio	Lower	Upper
117	100		
119	99.2	65.9	125.9
121	29.6	0.7	60.7

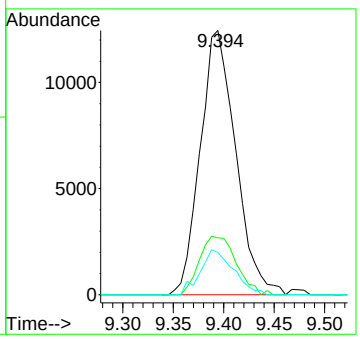


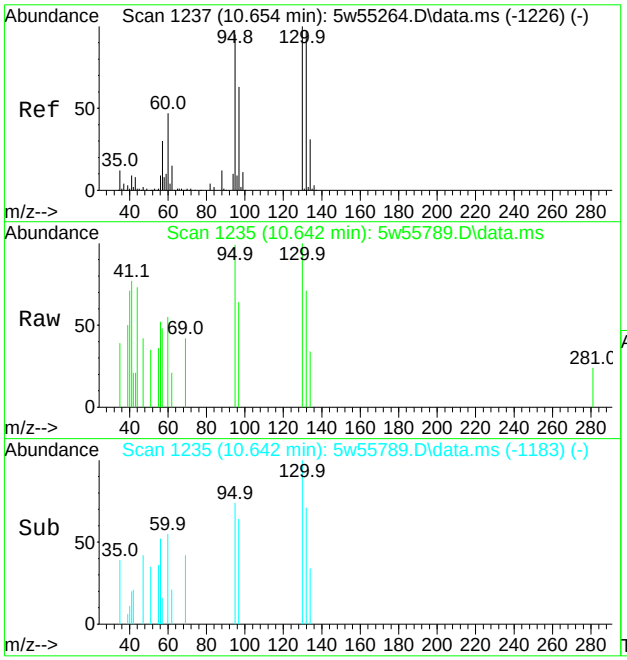


#52
BENZENE
Concen: 0.3496 PPBV
RT: 9.394 min Scan# 1031
Delta R.T. -0.006 min
Lab File: 5w55789.D
Acq: 20 Dec 2024 10:14 pm

Tgt Ion: 78 Resp: 30515

Ion	Ratio	Lower	Upper
78	100		
77	22.9	0.0	54.0
52	16.0	0.0	45.6

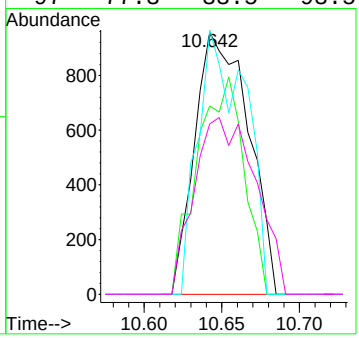


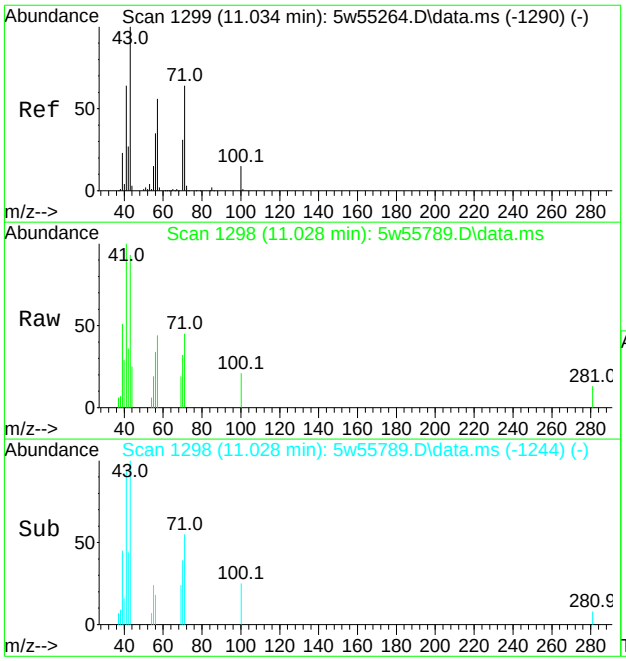


#55
TRICHLOROETHYLENE
Concen: 0.0500 PPBV
RT: 10.642 min Scan# 1235
Delta R.T. -0.012 min
Lab File: 5w55789.D
Acq: 20 Dec 2024 10:14 pm

Tgt Ion: 95 Resp: 2299

Ion	Ratio	Lower	Upper
95	100		
132	72.4	60.0	120.0
130	89.8	64.1	124.1
97	77.3	33.5	93.5

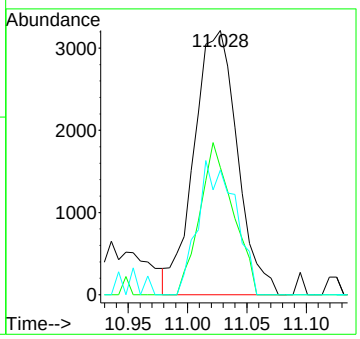


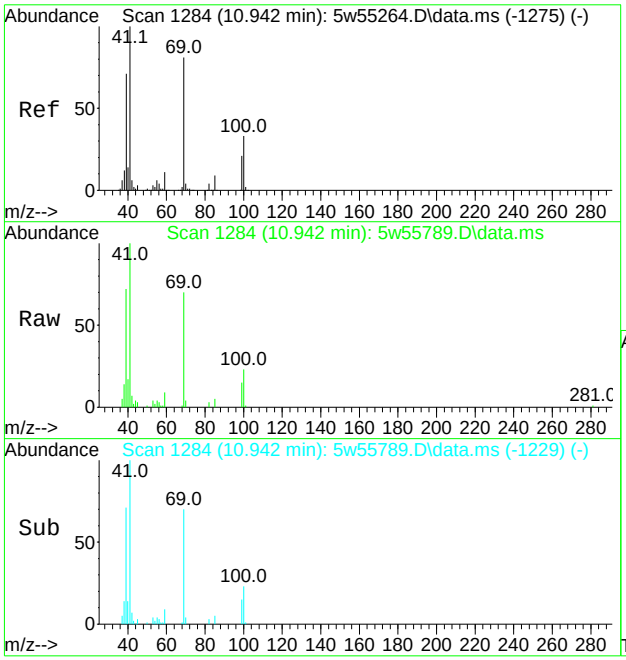


#62
HEPTANE
Concen: 0.1757 PPBV
RT: 11.028 min Scan# 1298
Delta R.T. -0.000 min
Lab File: 5w55789.D
Acq: 20 Dec 2024 10:14 pm

Tgt Ion: 43 Resp: 8132

Ion	Ratio	Lower	Upper
43	100		
71	44.1	27.2	87.2
57	44.0	22.5	82.5

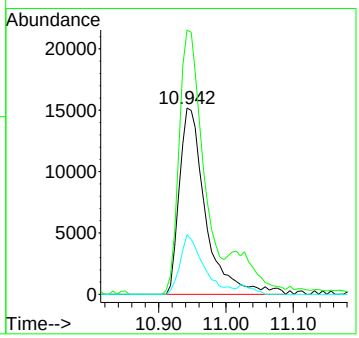


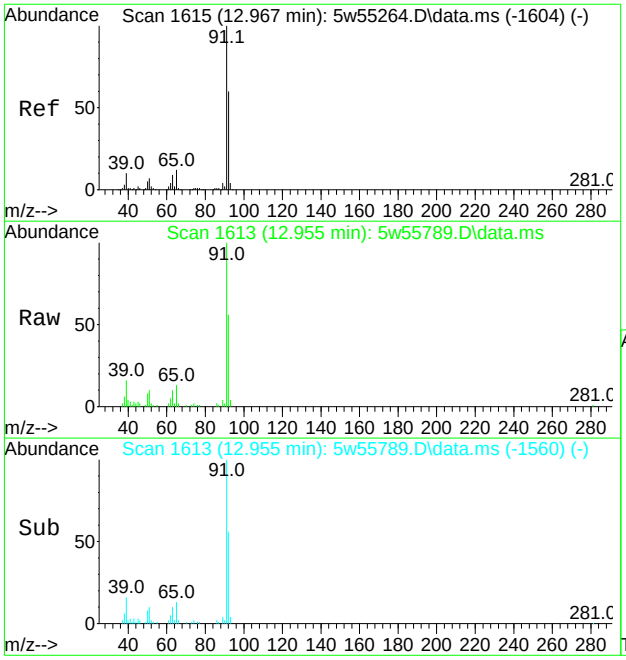


#63
METHYL METHACRYLATE
Concen: 1.4214 PPBV
RT: 10.942 min Scan# 1284
Delta R.T. 0.006 min
Lab File: 5w55789.D
Acq: 20 Dec 2024 10:14 pm

Tgt Ion: 69 Resp: 41241

Ion	Ratio	Lower	Upper
69	100		
41	161.3	97.3	157.3#
100	29.0	3.0	63.0

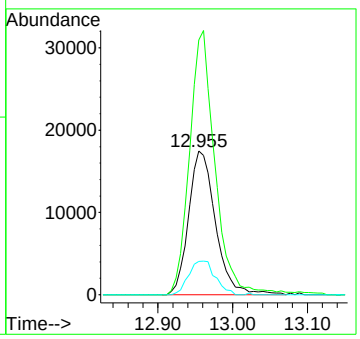


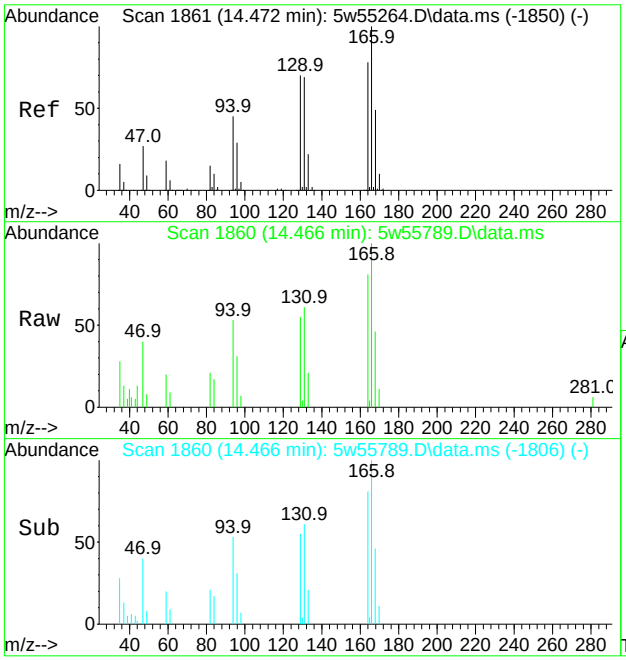


#66
TOLUENE
Concen: 0.7164 PPBV
RT: 12.955 min Scan# 1613
Delta R.T. -0.006 min
Lab File: 5w55789.D
Acq: 20 Dec 2024 10:14 pm

Tgt Ion: 92 Resp: 43730

Ion	Ratio	Lower	Upper
92	100		
91	174.8	143.4	203.4
65	23.1	0.0	53.8

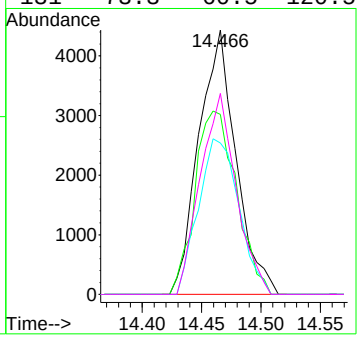


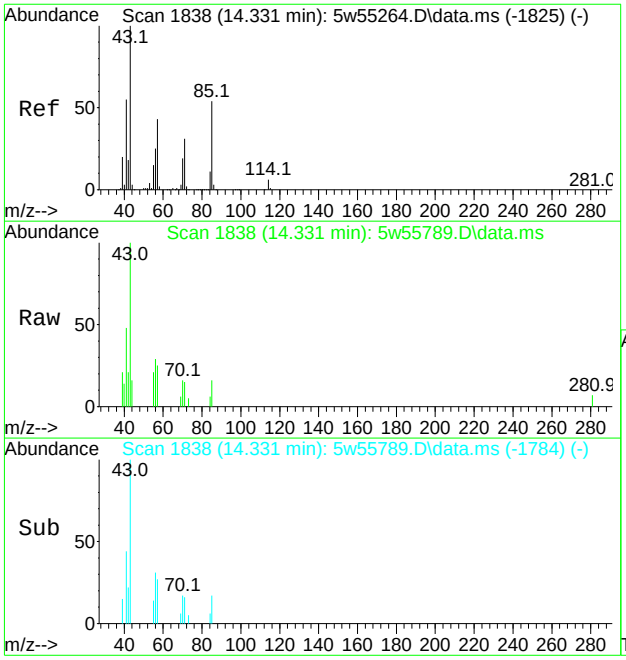


#73
TETRACHLOROETHYLENE
Concen: 0.2128 PPBV
RT: 14.466 min Scan# 1860
Delta R.T. -0.000 min
Lab File: 5w55789.D
Acq: 20 Dec 2024 10:14 pm

Tgt Ion:164 Resp: 9621

Ion	Ratio	Lower	Upper
164	100		
129	77.5	64.4	124.4
168	64.3	31.2	91.2
131	73.3	60.5	120.5

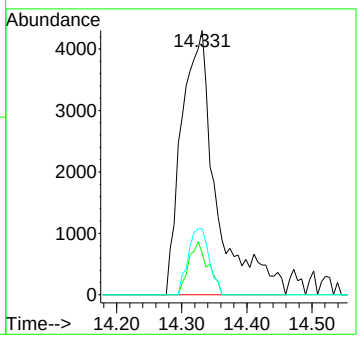


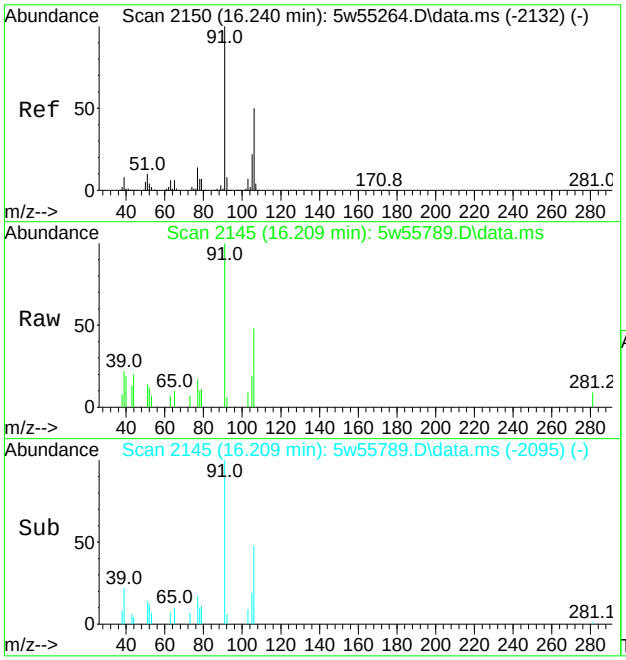


#76
OCTANE
Concen: 0.2629 PPBV
RT: 14.331 min Scan# 1838
Delta R.T. -0.000 min
Lab File: 5w55789.D
Acq: 20 Dec 2024 10:14 pm

Tgt Ion: 43 Resp: 15979

Ion	Ratio	Lower	Upper
43	100		
85	11.2	13.7	73.7#
57	15.1	9.9	69.9

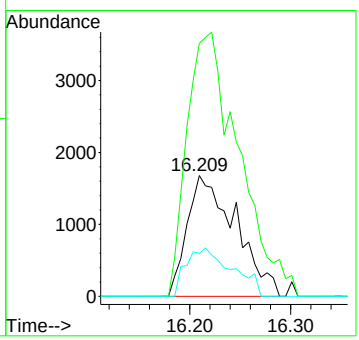




#80
m,p-XYLENE
Concen: 0.1158 PPBV
RT: 16.209 min Scan# 2145
Delta R.T. -0.025 min
Lab File: 5w55789.D
Acq: 20 Dec 2024 10:14 pm

Tgt Ion:106 Resp: 5606

Ion	Ratio	Lower	Upper
106	100		
91	209.5	181.2	241.2
77	35.5	0.1	60.1



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55783.D
Acq On : 20 Dec 2024 5:06 pm
Operator : thomash
Sample : mb Inst : GCMS5W
Misc : MS88104,V5W2136,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 23 07:17:43 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

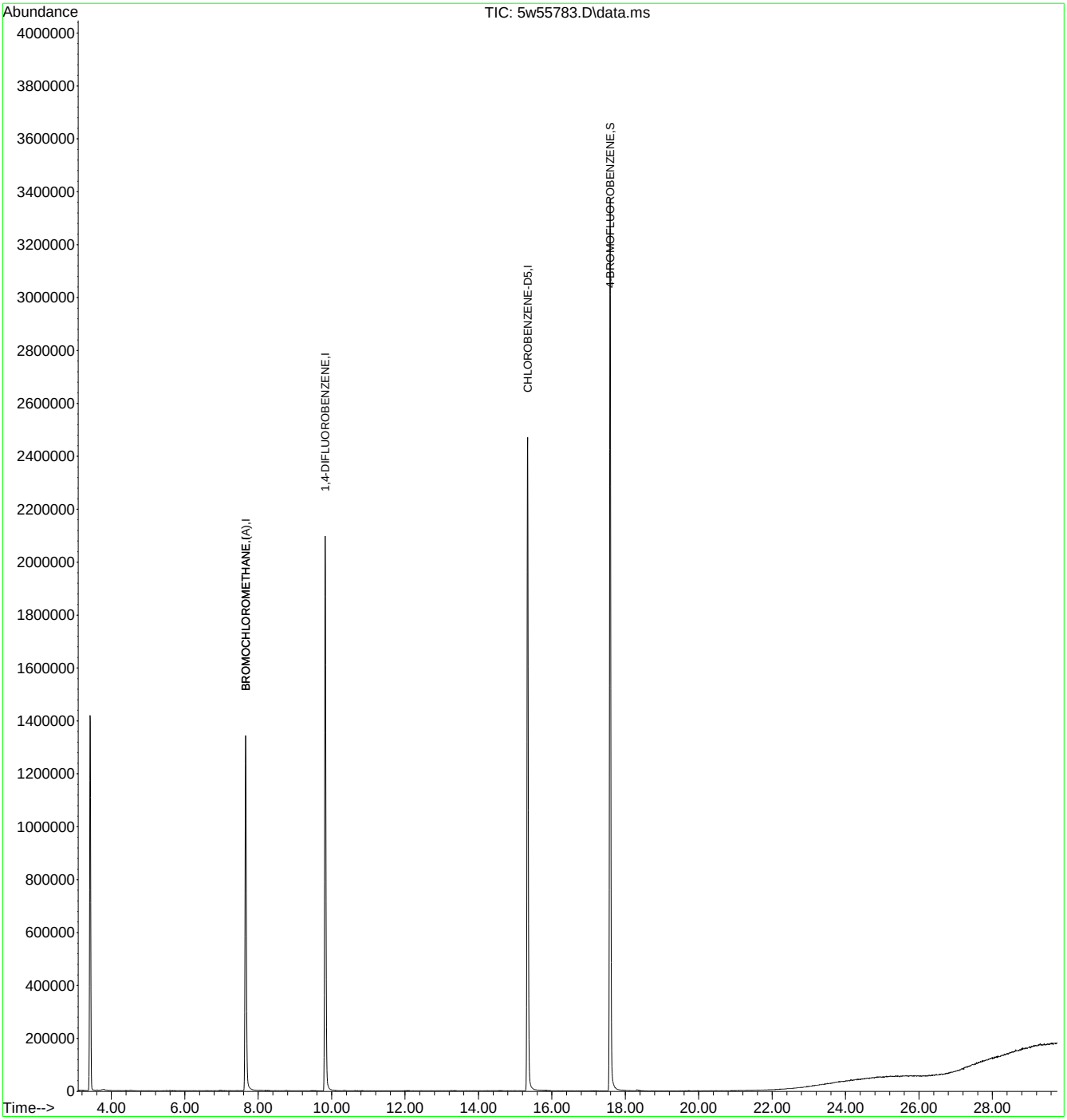
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	7.657	128	420264	10.00	PPBV	-0.01
51) 1,4-DIFLUOROBENZENE	9.823	114	1982756	10.00	PPBV	-0.01
70) CHLOROBENZENE-D5	15.341	82	1052285	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	7.657	128	420264	10.00	PPBV	#-0.01
System Monitoring Compounds						
85) 4-BROMOFLUOROBENZENE	17.586	95	1308462	11.11	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 111.10%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55783.D
Acq On : 20 Dec 2024 5:06 pm
Operator : thomash
Sample : mb Inst : GCMS5W
Misc : MS88104,V5W2136,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 23 07:17:43 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55823.D
Acq On : 23 Dec 2024 12:54 pm
Operator : thomash
Sample : mb Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 24 04:46:04 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

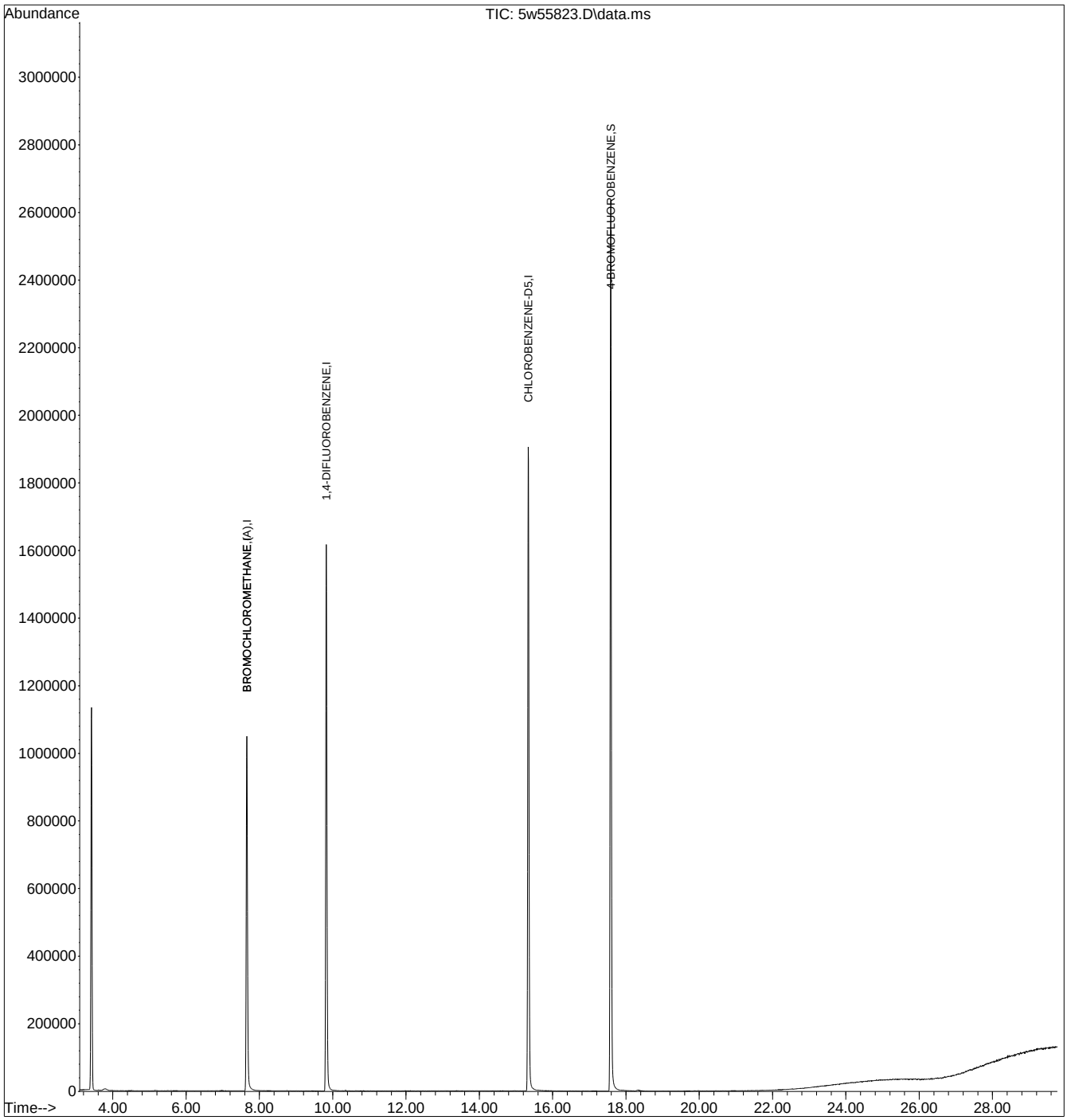
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	7.657	128	311710	10.00	PPBV	-0.01
51) 1,4-DIFLUOROBENZENE	9.822	114	1493158	10.00	PPBV	-0.01
70) CHLOROBENZENE-D5	15.334	82	781178	10.00	PPBV	-0.01
109) BROMOCHLOROMETHANE (A)	7.657	128	311710	10.00	PPBV	#-0.01
System Monitoring Compounds						
85) 4-BROMOFLUOROBENZENE	17.586	95	951244	10.88	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 108.80%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55823.D
Acq On : 23 Dec 2024 12:54 pm
Operator : thomash
Sample : mb Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 24 04:46:04 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Quantitation Report (QT/LSC Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\102824\v7w369\
Data File : 7w09952.d
Acq On : 25 Oct 2024 2:04 pm
Operator : thomash
Sample : mb Inst : MS7W
Misc : MS86396,v7w369,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 28 10:45:52 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

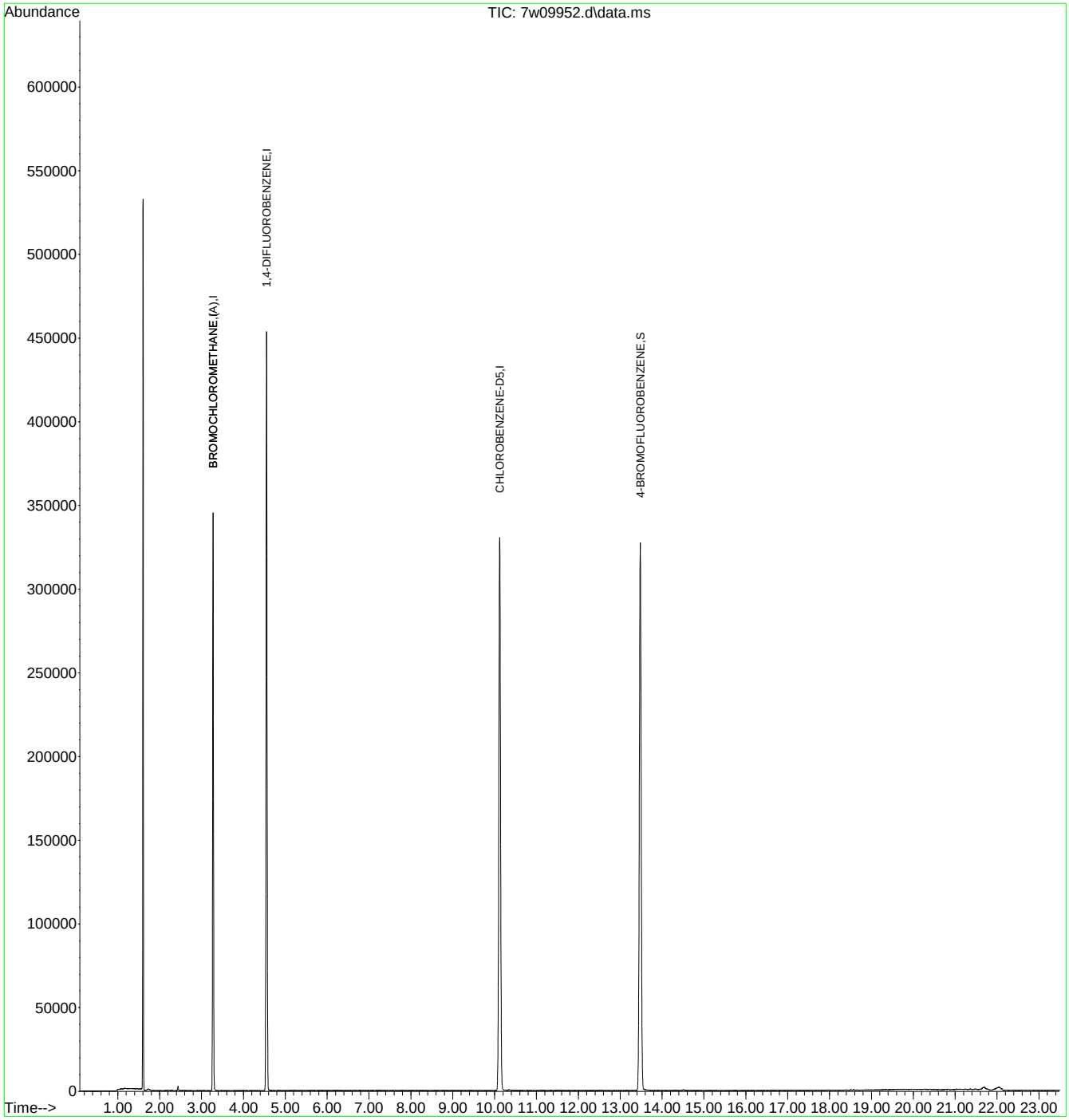
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.274	128	67262	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.553	114	342565	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.122	117	304568	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.274	128	67262	10.00	PPBV	0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.479	95	212682	9.52	PPBV	0.00
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\102824\v7w369\
Data File : 7w09952.d
Acq On : 25 Oct 2024 2:04 pm
Operator : thomash
Sample : mb Inst : MS7W
Misc : MS86396,v7w369,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 28 10:45:52 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\luckyc\
Data File : 7w10580.D
Acq On : 18 Nov 2024 12:04 pm
Operator : bkim
Sample : mb
Misc : MS87131,v7w387,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 19 11:51:48 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	3.277	128	64026	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.553	114	327182	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.122	117	306459	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.277	128	64026	10.00	PPBV	0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.476	95	198631	8.84	PPBV	0.00

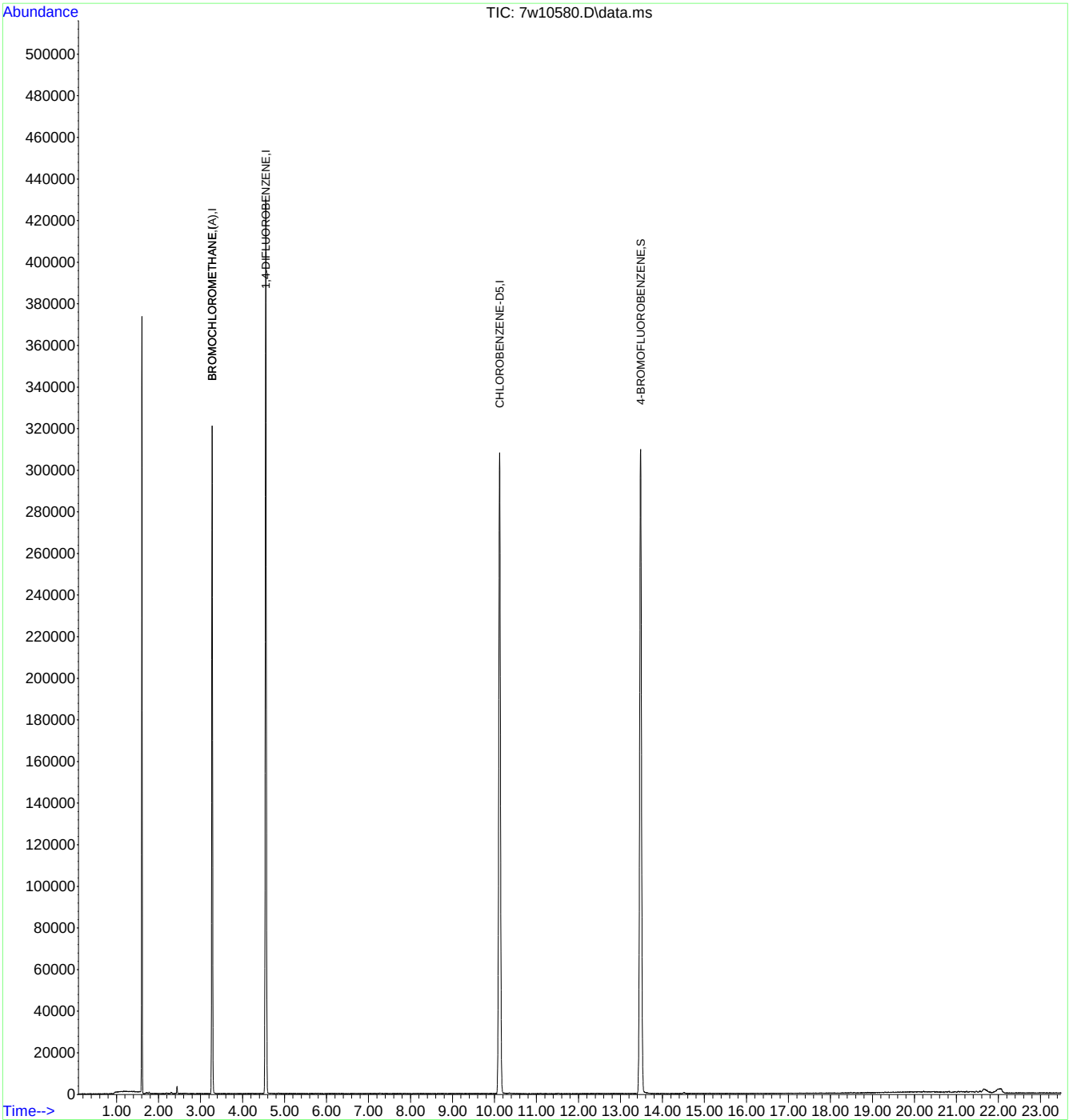
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\luckyc\
Data File : 7w10580.D
Acq On : 18 Nov 2024 12:04 pm
Operator : bkim
Sample : mb
Misc : MS87131,v7w387,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 19 11:51:48 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V7W392\
Data File : 7w10747.D
Acq On : 25 Nov 2024 11:46 am
Operator : williamc
Sample : mb Inst : MS7W
Misc : MS87372,v7w392,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 25 21:32:35 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

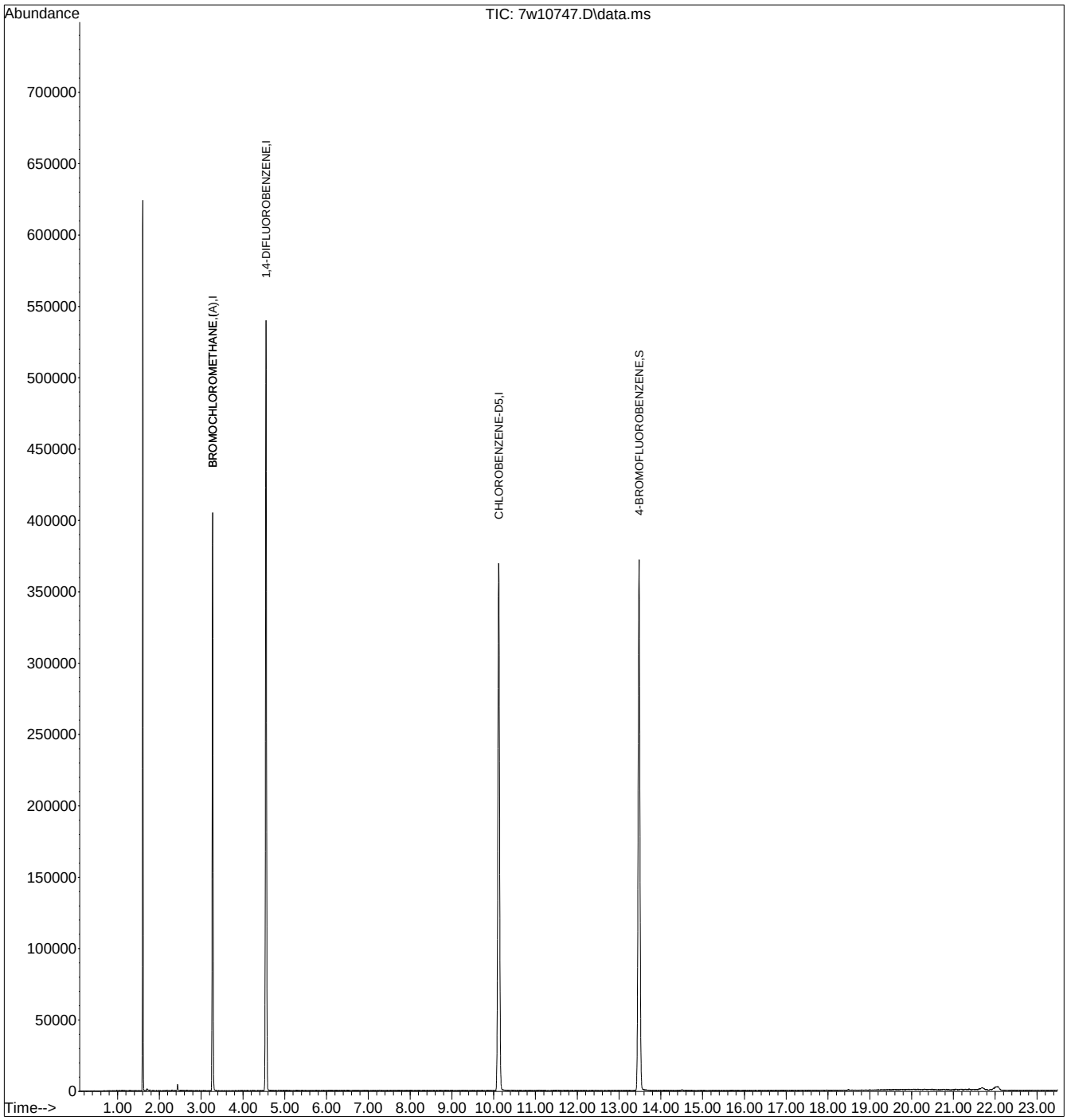
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.274	128	77496	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.553	114	407451	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.122	117	332375	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.274	128	77496	10.00	PPBV	0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.479	95	229102	9.40	PPBV	0.00
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V7W392\
Data File : 7w10747.D
Acq On : 25 Nov 2024 11:46 am
Operator : williamc
Sample : mb Inst : MS7W
Misc : MS87372,v7w392,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 25 21:32:35 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55779.D
Acq On : 20 Dec 2024 1:55 pm
Operator : thomash
Sample : bs Inst : GCMS5W
Misc : MS88104,V5W2136,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 23 07:06:29 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.663	128	349857	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.829	114	1633756	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	15.341	82	962940	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.663	128	349857	10.00	PPBV	#	0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	17.586	95	1093279	10.15	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 101.50%				
Target Compounds							Qvalue
2) FREON 115	3.460	119	668446	13.9579	PPBV		96
3) FREON 152A	3.540	65	334393	12.9188	PPBV		98
4) CHLORODIFLUOROMETHANE	3.576	67	167162	12.4548	PPBV		99
5) CHLOROTRIFLUOROETHENE	3.601	116	693274	11.4443	PPBV		100
6) DICHLORODIFLUOROMETHANE	3.650	85	1525866	11.9346	PPBV		99
7) PROPYLENE	3.595	41	400344	12.4328	PPBV		100
8) 1-CHLORO-1,1-DIFLUOROE...	3.754	65	1228092	9.3800	PPBV		99
9) FREON 114	3.839	85	1400695	8.9315	PPBV		96
10) CHLOROMETHANE	3.766	52	129999	7.8848	PPBV	#	75
11) VINYL CHLORIDE	3.925	62	443987	7.6473	PPBV		99
12) 1,3-BUTADIENE	4.023	54	286476	7.3527	PPBV	#	82
13) n-BUTANE	4.060	43	581553	7.7808	PPBV		98
14) BROMOMETHANE	4.225	94	463147	7.5706	PPBV		99
15) CHLOROETHANE	4.347	64	196810	7.4182	PPBV		97
16) DICHLOROFLUOROMETHANE	4.414	67	1056181	8.0537	PPBV		98
17) ACETONITRILE	4.610	41	320467	7.4229	PPBV		98
18) ACROLEIN	4.708	56	148968	7.9018	PPBV		99
19) FREON 123	4.726	83	1088425	8.2464	PPBV		99
20) FREON 123A	4.769	117	603546	8.5999	PPBV		98
21) TRICHLOROFLUOROMETHANE	4.934	101	1293637	10.9490	PPBV		100
22) ISOPROPYL ALCOHOL	5.020	45	831155	11.1027	PPBV		99
23) ACETONE	4.812	58	168768	5.9810	PPBV	#	76
24) PENTANE	5.222	42	454972	12.2343	PPBV		98
25) IODOMETHANE	5.412	142	1294788	13.1364	PPBV		94
26) 1,1-DICHLOROETHYLENE	5.473	96	432726	11.8167	PPBV		99
27) CARBON DISULFIDE	5.846	76	1321614	12.4743	PPBV		99
28) ETHANOL	4.445	45	202750	7.3899	PPBV		97
29) BROMOETHENE	4.610	106	439306	8.4294	PPBV		98
30) ACRYLONITRILE	5.197	52	270767	9.2375	PPBV		99
31) METHYLENE CHLORIDE	5.583	84	404329	11.0187	PPBV		99
32) 3-CHLOROPROPENE	5.687	76	220115	13.0088	PPBV		98
33) FREON 113	5.809	151	798279	13.1117	PPBV		87
34) TRANS-1,2-DICHLOROETHY...	6.446	96	456547	11.7979	PPBV		99
35) TERTIARY BUTYL ALCOHOL	5.540	59	822785	11.6839	PPBV		98
36) METHYL TERTIARY BUTYL ...	6.702	73	1330725	13.4163	PPBV		98
37) TETRAHYDROFURAN	8.232	72	216466	14.2566	PPBV		100
38) HEXANE	7.694	57	662491	12.0855	PPBV		96
39) VINYL ACETATE	6.800	86	83207	13.2800	PPBV		96
40) 1,1-DICHLOROETHANE	6.641	63	873079	12.1394	PPBV		98
41) METHYL ETHYL KETONE	7.051	72	224723	14.8080	PPBV		98
42) cis-1,2-DICHLOROETHYLENE	7.492	96	488762	12.1723	PPBV		98
43) DIISOPROPYL ETHER	7.712	59	199164	11.9607	PPBV	#	89
44) ETHYL ACETATE	7.742	61	150677	13.4595	PPBV	#	99
45) METHYL ACRYLATE	7.724	55	847729	12.7210	PPBV		99
46) CHLOROFORM	7.804	83	1104554	12.2986	PPBV		99
47) 2,4-DIMETHYLPENTANE	8.654	57	775642	12.9382	PPBV		98
48) 1,1,1-TRICHLOROETHANE	8.868	97	1114918	12.2259	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55779.D
Acq On : 20 Dec 2024 1:55 pm
Operator : thomash
Sample : bs Inst : GCMS5W
Misc : MS88104,V5W2136,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 23 07:06:29 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
49)	CARBON TETRACHLORIDE	9.559	117	1197111	12.4207	PPBV		100
50)	1,2-DICHLOROETHANE	8.599	62	743486	12.7274	PPBV		99
52)	BENZENE	9.394	78	1466428	12.3836	PPBV		99
53)	CYCLOHEXANE	9.694	84	572471	12.8696	PPBV		98
54)	2,3-DIMETHYLPENTANE	9.994	71	306384	12.7574	PPBV		95
55)	TRICHLOROETHYLENE	10.642	95	675373	10.8184	PPBV		97
56)	1,2-DICHLOROPROPANE	10.355	63	544941	10.8418	PPBV		98
57)	DIBROMOMETHANE	10.330	174	840847	13.7592	PPBV		78
58)	ETHYL ACRYLATE	10.404	55	1048650	13.2257	PPBV		99
59)	BROMODICHLOROMETHANE	10.599	83	1271551	11.6639	PPBV		100
60)	2,2,4-TRIMETHYLPENTANE	10.679	57	2088781	11.6157	PPBV		99
61)	1,4-DIOXANE	10.661	88	319854	11.5987	PPBV	#	66
62)	HEPTANE	11.022	43	798745	12.7171	PPBV		98
63)	METHYL METHACRYLATE	10.930	69	528775	13.4318	PPBV		98
64)	METHYL ISOBUTYL KETONE	11.786	58	414066	12.3733	PPBV		89
65)	cis-1,3-DICHLOROPROPENE	11.725	75	983544	12.8812	PPBV		99
66)	TOLUENE	12.955	92	982519	11.8624	PPBV		99
67)	1,3-DICHLOROPROPANE	13.004	76	889736	12.2103	PPBV	#	100
68)	trans-1,3-DICHLOROPROPENE	12.404	75	892331	12.6969	PPBV		99
69)	1,1,2-TRICHLOROETHANE	12.606	83	577507	11.5421	PPBV		97
71)	2-HEXANONE	13.352	58	593592	13.0673	PPBV		89
72)	ETHYL METHACRYLATE	13.383	69	903808	13.5888	PPBV		99
73)	TETRACHLOROETHYLENE	14.460	164	827102	13.1502	PPBV		85
74)	DIBROMOCHLOROMETHANE	13.505	129	1193816	11.6729	PPBV		100
75)	1,2-DIBROMOETHANE	13.817	107	1016432	11.9855	PPBV		100
76)	OCTANE	14.325	43	1146209	13.5519	PPBV		97
77)	1,1,1,2-TETRACHLOROETHANE	15.383	131	775629	10.9840	PPBV		96
78)	CHLOROBENZENE	15.402	112	1336362	10.7803	PPBV		96
79)	ETHYLBENZENE	15.952	91	2245025	12.6458	PPBV		99
80)	m,p-XYLENE	16.228	106	1611726	23.9260	PPBV		99
81)	o-XYLENE	16.895	106	775717	11.8632	PPBV		98
82)	STYRENE	16.748	104	1254605	13.3772	PPBV		98
83)	NONANE	17.304	43	1181678	13.3878	PPBV		100
84)	BROMOFORM	16.283	173	1640813	15.6809	PPBV		99
86)	1,1,2,2-TETRACHLOROETHANE	16.901	83	1481393	11.2709	PPBV		100
87)	1,2,3-TRICHLOROPROPANE	17.090	75	1103313	11.6258	PPBV		96
88)	ISOPROPYLBENZENE	17.812	105	2333158	11.5312	PPBV		99
89)	BROMOBENZENE	17.904	77	1298672	11.3642	PPBV		91
90)	2-CHLOROTOLUENE	18.540	126	584497	11.5299	PPBV		99
91)	n-PROPYLBENZENE	18.632	120	617219	12.0329	PPBV		99
92)	4-ETHYLTOLUENE	18.877	105	2366258	12.6713	PPBV		99
93)	1,3,5-TRIMETHYLBENZENE	19.005	105	1966548	12.3223	PPBV		100
94)	ALPHA-METHYLSTYRENE	19.250	118	957803	11.1181	PPBV		98
95)	tert-BUTYLBENZENE	19.611	134	397102	11.3966	PPBV		99
96)	1,2,4-TRIMETHYLBENZENE	19.623	105	2041507	12.1921	PPBV		100
97)	m-DICHLOROBENZENE	19.813	146	1500735	11.3825	PPBV		96
98)	BENZYL CHLORIDE	19.807	91	1999548	11.1256	PPBV		99
99)	p-DICHLOROBENZENE	19.917	146	1504333	12.2209	PPBV		96
100)	sec-BUTYLBENZENE	20.015	134	488396	11.7480	PPBV		97
101)	1,2,3-TRIMETHYLBENZENE	20.235	105	2033388	11.9568	PPBV	#	99
102)	p-ISOPROPYLTOLUENE	20.259	134	552369	11.3052	PPBV		98
103)	o-DICHLOROBENZENE	20.400	146	1399709	11.6948	PPBV		96
104)	n-BUTYLBENZENE	20.853	134	551932	12.2801	PPBV		94
105)	HEXACHLOROETHANE	21.318	117	1028540	12.2764	PPBV	#	77
106)	HEXACHLOROBUTADIENE	23.361	225	2083553	18.5041	PPBV		99
107)	1,2,4-TRICHLOROBENZENE	23.214	180	1784426	16.7328	PPBV		94
108)	NAPHTHALENE	22.878	128	2875261	12.2830	PPBV		100
110)	TVHC as equiv Pentane	5.222	TIC	2905168	10.6072	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55779.D
Acq On : 20 Dec 2024 1:55 pm
Operator : thomash
Sample : bs Inst : GCMS5W
Misc : MS88104,V5W2136,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 23 07:06:29 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

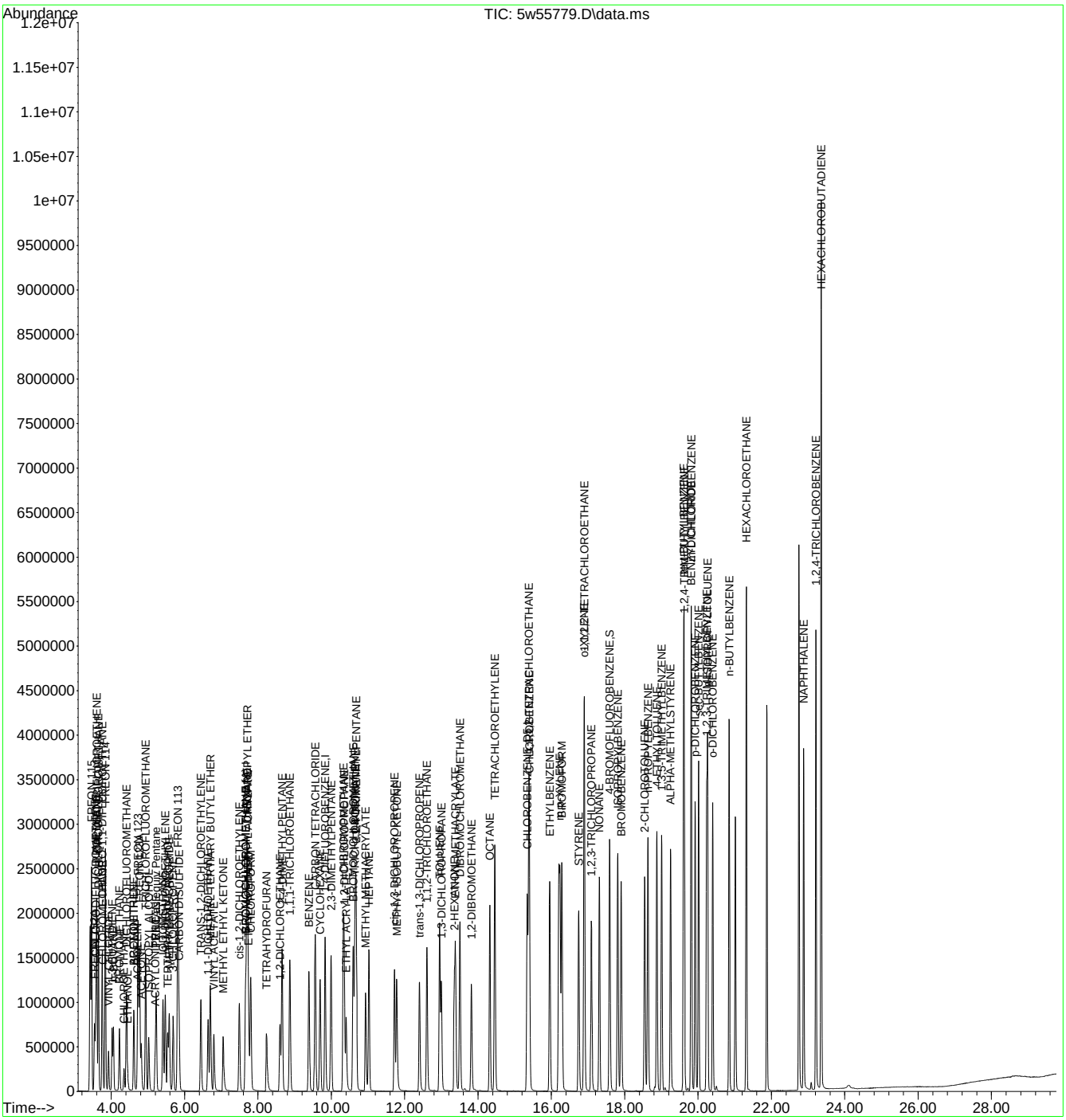
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55779.D
Acq On : 20 Dec 2024 1:55 pm
Operator : thomash
Sample : bs Inst : GCMS5W
Misc : MS88104,V5W2136,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 23 07:06:29 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55781.D
Acq On : 20 Dec 2024 3:34 pm
Operator : thomash
Sample : bsd Inst : GCMS5W
Misc : MS88104,V5W2136,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 23 07:07:13 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.663	128	369460	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.829	114	1679765	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	15.341	82	969387	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.663	128	369460	10.00	PPBV	#	0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	17.586	95	1076805	9.93	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 99.30%				
Target Compounds							Qvalue
2) FREON 115	3.466	119	652179	12.8956	PPBV		96
3) FREON 152A	3.546	65	330096	12.0761	PPBV		98
4) CHLORODIFLUOROMETHANE	3.576	67	165064	11.6459	PPBV		100
5) CHLOROTRIFLUOROETHENE	3.607	116	680233	10.6332	PPBV		99
6) DICHLORODIFLUOROMETHANE	3.656	85	1512526	11.2025	PPBV		99
7) PROPYLENE	3.601	41	393441	11.5701	PPBV		99
8) 1-CHLORO-1,1-DIFLUOROE...	3.760	65	1215798	8.7934	PPBV		99
9) FREON 114	3.845	85	1400828	8.4584	PPBV		96
10) CHLOROMETHANE	3.772	52	129040	7.4113	PPBV	#	66
11) VINYL CHLORIDE	3.931	62	444406	7.2483	PPBV		98
12) 1,3-BUTADIENE	4.029	54	286639	6.9665	PPBV		83
13) n-BUTANE	4.066	43	569571	7.2162	PPBV		98
14) BROMOMETHANE	4.231	94	463485	7.1741	PPBV		99
15) CHLOROETHANE	4.353	64	195048	6.9617	PPBV		97
16) DICHLOROFLUOROMETHANE	4.421	67	1046503	7.5565	PPBV		98
17) ACETONITRILE	4.616	41	311756	6.8380	PPBV		98
18) ACROLEIN	4.714	56	147358	7.4017	PPBV		100
19) FREON 123	4.733	83	1087109	7.7994	PPBV		99
20) FREON 123A	4.775	117	602804	8.1336	PPBV		99
21) TRICHLOROFLUOROMETHANE	4.941	101	1341767	10.7538	PPBV		100
22) ISOPROPYL ALCOHOL	5.026	45	872525	11.0369	PPBV		100
23) ACETONE	4.818	58	174504	5.8562	PPBV	#	81
24) PENTANE	5.228	42	475533	12.1087	PPBV		97
25) IODOMETHANE	5.418	142	1422146	13.6629	PPBV		92
26) 1,1-DICHLOROETHYLENE	5.479	96	468088	12.1042	PPBV		96
27) CARBON DISULFIDE	5.852	76	1408204	12.5864	PPBV		98
28) ETHANOL	4.451	45	193277	6.6708	PPBV		98
29) BROMOETHENE	4.616	106	440847	8.0102	PPBV		98
30) ACRYLONITRILE	5.197	52	288473	9.3193	PPBV		100
31) METHYLENE CHLORIDE	5.589	84	433740	11.1930	PPBV		96
32) 3-CHLOROPROPENE	5.693	76	234311	13.1131	PPBV		95
33) FREON 113	5.815	151	856373	13.3195	PPBV		86
34) TRANS-1,2-DICHLOROETHY...	6.446	96	483767	11.8380	PPBV		99
35) TERTIARY BUTYL ALCOHOL	5.540	59	857174	11.5264	PPBV		98
36) METHYL TERTIARY BUTYL ...	6.702	73	1396778	13.3351	PPBV		98
37) TETRAHYDROFURAN	8.232	72	224810	14.0206	PPBV		99
38) HEXANE	7.700	57	691663	11.9482	PPBV		98
39) VINYL ACETATE	6.800	86	91003	13.7536	PPBV	#	86
40) 1,1-DICHLOROETHANE	6.647	63	898409	11.8288	PPBV		98
41) METHYL ETHYL KETONE	7.051	72	237750	14.8352	PPBV		98
42) cis-1,2-DICHLOROETHYLENE	7.492	96	513245	12.1038	PPBV		100
43) DIISOPROPYL ETHER	7.712	59	207810	11.8178	PPBV		93
44) ETHYL ACETATE	7.749	61	159126	13.4600	PPBV	#	98
45) METHYL ACRYLATE	7.730	55	877087	12.4632	PPBV		99
46) CHLOROFORM	7.810	83	1144043	12.0624	PPBV		99
47) 2,4-DIMETHYLPENTANE	8.660	57	806062	12.7323	PPBV		98
48) 1,1,1-TRICHLOROETHANE	8.874	97	1140597	11.8439	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55781.D
Acq On : 20 Dec 2024 3:34 pm
Operator : thomash
Sample : bsd Inst : GCMS5W
Misc : MS88104,V5W2136,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 23 07:07:13 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
49)	CARBON TETRACHLORIDE	9.559	117	1232433	12.1088	PPBV		100
50)	1,2-DICHLOROETHANE	8.599	62	750596	12.1674	PPBV		99
52)	BENZENE	9.394	78	1524034	12.5175	PPBV		99
53)	CYCLOHEXANE	9.694	84	601732	13.1569	PPBV		97
54)	2,3-DIMETHYLPENTANE	9.994	71	318311	12.8910	PPBV		92
55)	TRICHLOROETHYLENE	10.648	95	697398	10.8652	PPBV		98
56)	1,2-DICHLOROPROPANE	10.355	63	553647	10.7133	PPBV		97
57)	DIBROMOMETHANE	10.330	174	878899	13.9880	PPBV		78
58)	ETHYL ACRYLATE	10.404	55	1076397	13.2038	PPBV		100
59)	BROMODICHLOROMETHANE	10.599	83	1302635	11.6218	PPBV		99
60)	2,2,4-TRIMETHYLPENTANE	10.679	57	2159376	11.6794	PPBV		99
61)	1,4-DIOXANE	10.667	88	332292	11.7197	PPBV		95
62)	HEPTANE	11.028	43	812411	12.5804	PPBV		98
63)	METHYL METHACRYLATE	10.930	69	547979	13.5383	PPBV		97
64)	METHYL ISOBUTYL KETONE	11.786	58	433216	12.5909	PPBV		92
65)	cis-1,3-DICHLOROPROPENE	11.725	75	1013809	12.9139	PPBV		99
66)	TOLUENE	12.955	92	1007513	11.8309	PPBV		99
67)	1,3-DICHLOROPROPANE	13.004	76	906658	12.1017	PPBV	#	99
68)	trans-1,3-DICHLOROPROPENE	12.404	75	913108	12.6367	PPBV		98
69)	1,1,2-TRICHLOROETHANE	12.606	83	595375	11.5733	PPBV		97
71)	2-HEXANONE	13.352	58	614674	13.4414	PPBV		91
72)	ETHYL METHACRYLATE	13.383	69	929643	13.8842	PPBV		99
73)	TETRACHLOROETHYLENE	14.460	164	847441	13.3840	PPBV		84
74)	DIBROMOCHLOROMETHANE	13.505	129	1236879	12.0136	PPBV		100
75)	1,2-DIBROMOETHANE	13.817	107	1042952	12.2164	PPBV		100
76)	OCTANE	14.325	43	1171200	13.7553	PPBV		98
77)	1,1,1,2-TETRACHLOROETHANE	15.383	131	785180	11.0453	PPBV		96
78)	CHLOROBENZENE	15.402	112	1362723	10.9199	PPBV		97
79)	ETHYLBENZENE	15.952	91	2284677	12.7835	PPBV		99
80)	m,p-XYLENE	16.228	106	1642770	24.2247	PPBV		98
81)	o-XYLENE	16.895	106	782182	11.8825	PPBV		98
82)	STYRENE	16.748	104	1268317	13.4334	PPBV		98
83)	NONANE	17.304	43	1183154	13.3154	PPBV		100
84)	BROMOFORM	16.289	173	1672241	15.8749	PPBV		99
86)	1,1,2,2-TETRACHLOROETHANE	16.901	83	1494937	11.2983	PPBV		100
87)	1,2,3-TRICHLOROPROPANE	17.090	75	1110452	11.6232	PPBV		97
88)	ISOPROPYLBENZENE	17.812	105	2329406	11.4361	PPBV		98
89)	BROMOBENZENE	17.904	77	1293238	11.2414	PPBV		91
90)	2-CHLOROTOLUENE	18.540	126	574317	11.2537	PPBV		100
91)	n-PROPYLBENZENE	18.632	120	610319	11.8192	PPBV		100
92)	4-ETHYLTOLUENE	18.877	105	2332909	12.4097	PPBV		100
93)	1,3,5-TRIMETHYLBENZENE	19.005	105	1934586	12.0414	PPBV		99
94)	ALPHA-METHYLSTYRENE	19.250	118	930336	10.7275	PPBV		98
95)	tert-BUTYLBENZENE	19.611	134	389480	11.1035	PPBV		99
96)	1,2,4-TRIMETHYLBENZENE	19.623	105	2006133	11.9012	PPBV		100
97)	m-DICHLOROBENZENE	19.813	146	1467435	11.0560	PPBV		96
98)	BENZYL CHLORIDE	19.807	91	1973103	10.9055	PPBV		98
99)	p-DICHLOROBENZENE	19.917	146	1461296	11.7924	PPBV		96
100)	sec-BUTYLBENZENE	20.015	134	471924	11.2763	PPBV		95
101)	1,2,3-TRIMETHYLBENZENE	20.235	105	1961083	11.4549	PPBV	#	99
102)	p-ISOPROPYLTOLUENE	20.259	134	537464	10.9270	PPBV		97
103)	o-DICHLOROBENZENE	20.400	146	1348451	11.1916	PPBV		96
104)	n-BUTYLBENZENE	20.853	134	525823	11.6214	PPBV		92
105)	HEXACHLOROETHANE	21.318	117	997211	11.8233	PPBV	#	78
106)	HEXACHLOROBUTADIENE	23.361	225	1925601	16.9876	PPBV		99
107)	1,2,4-TRICHLOROBENZENE	23.214	180	1612506	15.0202	PPBV		95
108)	NAPHTHALENE	22.878	128	2659668	11.2864	PPBV		100
110)	TVHC as equiv Pentane	5.228	TIC	3050934	10.5484	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55781.D
Acq On : 20 Dec 2024 3:34 pm
Operator : thomash
Sample : bsd Inst : GCMS5W
Misc : MS88104,V5W2136,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 23 07:07:13 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

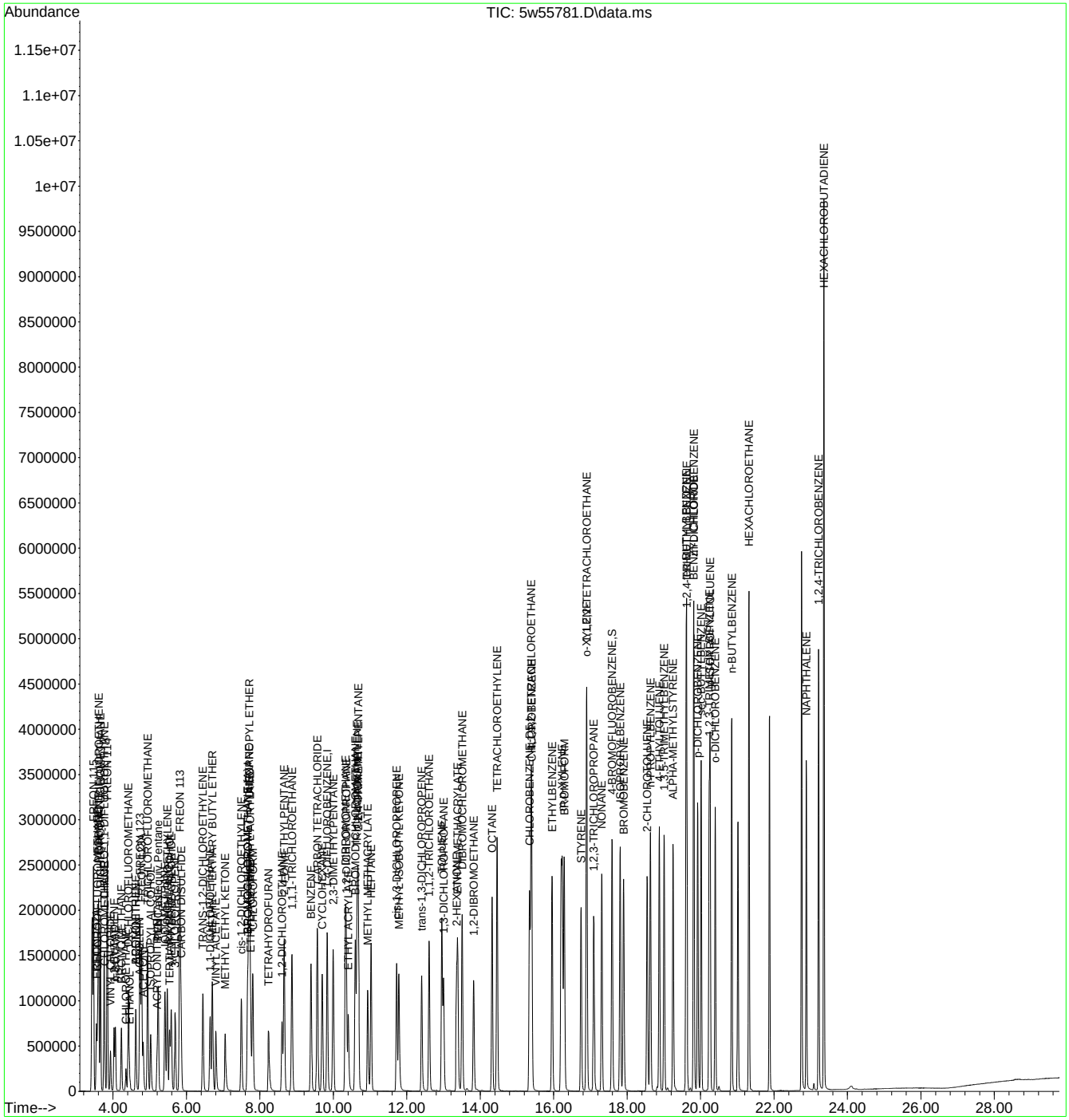
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55781.D
Acq On : 20 Dec 2024 3:34 pm
Operator : thomash
Sample : bsd Inst : GCMS5W
Misc : MS88104,V5W2136,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 23 07:07:13 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55820.D
Acq On : 23 Dec 2024 10:07 am
Operator : thomash
Sample : bs Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 24 04:40:30 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.663	128	261510	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.828	114	1220164	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	15.340	82	739045	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.663	128	261510	10.00	PPBV	#	0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	17.586	95	836030	10.11	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 101.10%				
Target Compounds							Qvalue
2) FREON 115	3.460	119	435542	12.1670	PPBV		92
3) FREON 152A	3.546	65	206251	10.6601	PPBV		96
4) CHLORODIFLUOROMETHANE	3.576	67	115623	11.5251	PPBV		98
5) CHLOROTRIFLUOROETHENE	3.607	116	448626	9.9077	PPBV		99
6) DICHLORODIFLUOROMETHANE	3.650	85	1068770	11.1835	PPBV		99
7) PROPYLENE	3.601	41	255077	10.5976	PPBV		99
8) 1-CHLORO-1,1-DIFLUOROE...	3.754	65	1110212	11.3443	PPBV		99
9) FREON 114	3.839	85	1395849	11.9075	PPBV		97
10) CHLOROMETHANE	3.772	52	121755	9.8796	PPBV	#	75
11) VINYL CHLORIDE	3.931	62	474344	10.9303	PPBV		99
12) 1,3-BUTADIENE	4.029	54	314422	10.7962	PPBV		90
13) n-BUTANE	4.059	43	614499	10.9991	PPBV		98
14) BROMOMETHANE	4.225	94	473815	10.3614	PPBV		99
15) CHLOROETHANE	4.353	64	209045	10.5413	PPBV		99
16) DICHLOROFLUOROMETHANE	4.414	67	1075661	10.9733	PPBV		99
17) ACETONITRILE	4.616	41	337949	10.4724	PPBV		99
18) ACROLEIN	4.708	56	158913	11.2771	PPBV		99
19) FREON 123	4.726	83	1099754	11.1472	PPBV		99
20) FREON 123A	4.775	117	583898	11.1307	PPBV		92
21) TRICHLOROFLUOROMETHANE	4.940	101	979961	11.0962	PPBV		100
22) ISOPROPYL ALCOHOL	5.026	45	584169	10.4397	PPBV		99
23) ACETONE	4.818	58	174923	8.2934	PPBV		93
24) PENTANE	5.228	42	305706	10.9976	PPBV		98
25) IODOMETHANE	5.411	142	929996	12.6229	PPBV		94
26) 1,1-DICHLOROETHYLENE	5.479	96	295468	10.7944	PPBV		99
27) CARBON DISULFIDE	5.846	76	900076	11.3656	PPBV		97
28) ETHANOL	4.451	45	219548	10.7055	PPBV		98
29) BROMOETHENE	4.616	106	436004	11.1924	PPBV		99
30) ACRYLONITRILE	5.197	52	184650	8.4277	PPBV		99
31) METHYLENE CHLORIDE	5.583	84	280229	10.2167	PPBV		99
32) 3-CHLOROPROPENE	5.687	76	146539	11.5863	PPBV		96
33) FREON 113	5.815	151	584172	12.8365	PPBV		84
34) TRANS-1,2-DICHLOROETHY...	6.445	96	304959	10.5430	PPBV		100
35) TERTIARY BUTYL ALCOHOL	5.540	59	575995	10.9427	PPBV		97
36) METHYL TERTIARY BUTYL ...	6.702	73	907918	12.2460	PPBV		98
37) TETRAHYDROFURAN	8.232	72	145513	12.8213	PPBV		99
38) HEXANE	7.699	57	454860	11.1011	PPBV		90
39) VINYL ACETATE	6.800	86	55543	11.8596	PPBV		95
40) 1,1-DICHLOROETHANE	6.641	63	591602	11.0046	PPBV		99
41) METHYL ETHYL KETONE	7.051	72	152312	13.4272	PPBV		96
42) cis-1,2-DICHLOROETHYLENE	7.491	96	329425	10.9757	PPBV		99
43) DIISOPROPYL ETHER	7.706	59	142775	11.4710	PPBV		95
44) ETHYL ACETATE	7.742	61	102628	12.2645	PPBV	#	38
45) METHYL ACRYLATE	7.724	55	584502	11.7341	PPBV		99
46) CHLOROFORM	7.803	83	767097	11.4267	PPBV		99
47) 2,4-DIMETHYLPENTANE	8.654	57	522441	11.6588	PPBV		98
48) 1,1,1-TRICHLOROETHANE	8.868	97	768664	11.2766	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55820.D
Acq On : 23 Dec 2024 10:07 am
Operator : thomash
Sample : bs Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 24 04:40:30 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
49)	CARBON TETRACHLORIDE	9.559	117	826856	11.4774	PPBV		99
50)	1,2-DICHLOROETHANE	8.599	62	528775	12.1099	PPBV		98
52)	BENZENE	9.394	78	999972	11.3069	PPBV		99
53)	CYCLOHEXANE	9.694	84	395809	11.9143	PPBV		96
54)	2,3-DIMETHYLPENTANE	9.994	71	209669	11.6896	PPBV		94
55)	TRICHLOROETHYLENE	10.642	95	479539	10.2852	PPBV		96
56)	1,2-DICHLOROPROPANE	10.355	63	379577	10.1116	PPBV		97
57)	DIBROMOMETHANE	10.324	174	613084	13.4328	PPBV		78
58)	ETHYL ACRYLATE	10.403	55	713058	12.0415	PPBV		100
59)	BROMODICHLOROMETHANE	10.599	83	902814	11.0886	PPBV		99
60)	2,2,4-TRIMETHYLPENTANE	10.679	57	1456334	10.8438	PPBV		98
61)	1,4-DIOXANE	10.660	88	226125	10.9793	PPBV	#	75
62)	HEPTANE	11.021	43	559547	11.9285	PPBV		97
63)	METHYL METHACRYLATE	10.930	69	370058	12.5864	PPBV		98
64)	METHYL ISOBUTYL KETONE	11.786	58	295122	11.8083	PPBV		91
65)	cis-1,3-DICHLOROPROPENE	11.725	75	683916	11.9931	PPBV		95
66)	TOLUENE	12.955	92	684307	11.0624	PPBV		99
67)	1,3-DICHLOROPROPANE	12.997	76	618417	11.3636	PPBV	#	99
68)	trans-1,3-DICHLOROPROPENE	12.398	75	622875	11.8671	PPBV		97
69)	1,1,2-TRICHLOROETHANE	12.606	83	407784	10.9126	PPBV		97
71)	2-HEXANONE	13.352	58	429260	12.3125	PPBV		91
72)	ETHYL METHACRYLATE	13.383	69	646480	12.6645	PPBV		98
73)	TETRACHLOROETHYLENE	14.460	164	624535	12.9377	PPBV		80
74)	DIBROMOCHLOROMETHANE	13.505	129	853319	10.8713	PPBV		100
75)	1,2-DIBROMOETHANE	13.817	107	711606	10.9331	PPBV		100
76)	OCTANE	14.319	43	816104	12.5722	PPBV		96
77)	1,1,1,2-TETRACHLOROETHANE	15.383	131	546604	10.0857	PPBV		94
78)	CHLOROBENZENE	15.402	112	943953	9.9217	PPBV		96
79)	ETHYLBENZENE	15.952	91	1578139	11.5824	PPBV		99
80)	m,p-XYLENE	16.228	106	1160738	22.4513	PPBV		97
81)	o-XYLENE	16.894	106	570900	11.3759	PPBV		97
82)	STYRENE	16.748	104	881254	12.2430	PPBV		98
83)	NONANE	17.304	43	855635	12.6307	PPBV		100
84)	BROMOFORM	16.283	173	1244331	15.4944	PPBV		98
86)	1,1,2,2-TETRACHLOROETHANE	16.900	83	1091266	10.8180	PPBV		99
87)	1,2,3-TRICHLOROPROPANE	17.090	75	772534	10.6065	PPBV		96
88)	ISOPROPYLBENZENE	17.806	105	1663712	10.7137	PPBV		98
89)	BROMOBENZENE	17.898	77	908292	10.3561	PPBV		87
90)	2-CHLOROTOLUENE	18.540	126	404822	10.4048	PPBV		99
91)	n-PROPYLBENZENE	18.632	120	438991	11.1510	PPBV		99
92)	4-ETHYLTOLUENE	18.870	105	1699251	11.8562	PPBV		99
93)	1,3,5-TRIMETHYLBENZENE	19.005	105	1427244	11.6524	PPBV		99
94)	ALPHA-METHYLSTYRENE	19.250	118	689616	10.4302	PPBV		98
95)	tert-BUTYLBENZENE	19.611	134	310532	11.6120	PPBV		96
96)	1,2,4-TRIMETHYLBENZENE	19.623	105	1559354	12.1339	PPBV		100
97)	m-DICHLOROBENZENE	19.813	146	1162992	11.4932	PPBV		96
98)	BENZYL CHLORIDE	19.806	91	1518557	11.0091	PPBV		98
99)	p-DICHLOROBENZENE	19.917	146	1130128	11.9623	PPBV		96
100)	sec-BUTYLBENZENE	20.014	134	371490	11.6430	PPBV		99
101)	1,2,3-TRIMETHYLBENZENE	20.229	105	1526287	11.6939	PPBV	#	99
102)	p-ISOPROPYLTOLUENE	20.259	134	432133	11.5238	PPBV		97
103)	o-DICHLOROBENZENE	20.400	146	1057891	11.5166	PPBV		96
104)	n-BUTYLBENZENE	20.846	134	421124	12.2083	PPBV		96
105)	HEXACHLOROETHANE	21.311	117	797963	12.4097	PPBV	#	75
106)	HEXACHLOROBUTADIENE	23.251	225	1735482	20.0822	PPBV		99
107)	1,2,4-TRICHLOROBENZENE	23.116	180	1444730	17.6517	PPBV		96
108)	NAPHTHALENE	22.798	128	2169419	12.0753	PPBV		100
110)	TVHC as equiv Pentane	5.228	TIC	1999126	9.7650	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55820.D
Acq On : 23 Dec 2024 10:07 am
Operator : thomash
Sample : bs Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 24 04:40:30 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

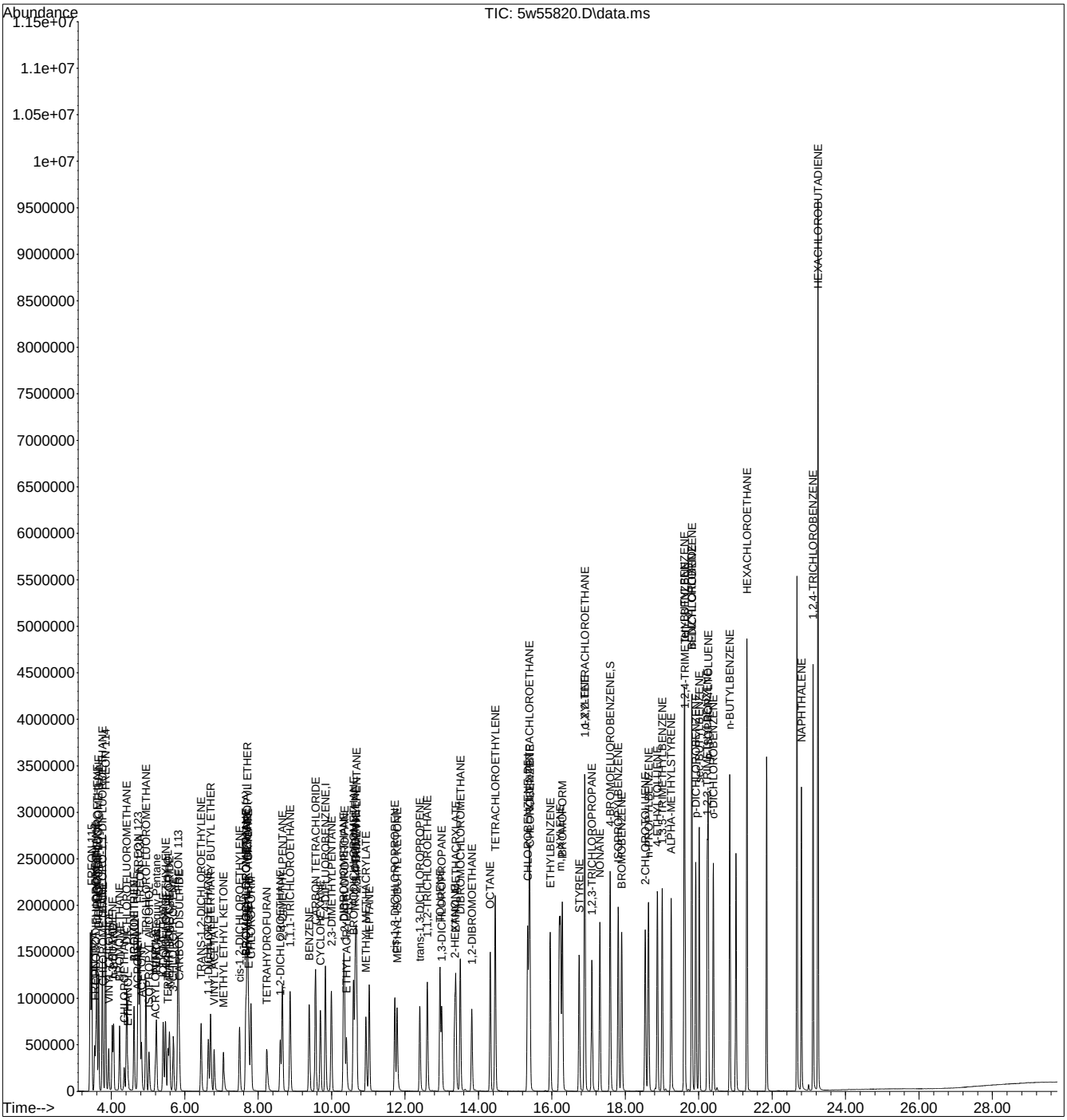
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55820.D
Acq On : 23 Dec 2024 10:07 am
Operator : thomash
Sample : bs Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 24 04:40:30 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55821.D
Acq On : 23 Dec 2024 11:17 am
Operator : thomash
Sample : bsd Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 24 04:40:56 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.663	128	260595	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.829	114	1218483	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	15.341	82	736456	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.663	128	260595	10.00	PPBV	#	0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	17.586	95	821814	9.97	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 99.70%				
Target Compounds							Qvalue
2) FREON 115	3.466	119	449247	12.5939	PPBV		93
3) FREON 152A	3.546	65	217658	11.2892	PPBV		97
4) CHLORODIFLUOROMETHANE	3.576	67	120188	12.0222	PPBV		100
5) CHLOROTRIFLUOROETHENE	3.607	116	469888	10.4137	PPBV		99
6) DICHLORODIFLUOROMETHANE	3.656	85	1112978	11.6870	PPBV		100
7) PROPYLENE	3.601	41	264221	11.0160	PPBV		98
8) 1-CHLORO-1,1-DIFLUOROE...	3.754	65	1147260	11.7641	PPBV		99
9) FREON 114	3.839	85	1434228	12.2779	PPBV		97
10) CHLOROMETHANE	3.772	52	128640	10.4749	PPBV	#	85
11) VINYL CHLORIDE	3.931	62	488468	11.2953	PPBV		99
12) 1,3-BUTADIENE	4.029	54	323570	11.1494	PPBV		89
13) n-BUTANE	4.066	43	634013	11.3883	PPBV		99
14) BROMOMETHANE	4.231	94	482246	10.5828	PPBV		99
15) CHLOROETHANE	4.353	64	214284	10.8434	PPBV		98
16) DICHLOROFLUOROMETHANE	4.421	67	1100649	11.2676	PPBV		99
17) ACETONITRILE	4.616	41	348841	10.8478	PPBV		99
18) ACROLEIN	4.714	56	160344	11.4186	PPBV		98
19) FREON 123	4.733	83	1129119	11.4850	PPBV		99
20) FREON 123A	4.775	117	597237	11.4250	PPBV		91
21) TRICHLOROFLUOROMETHANE	4.941	101	1007977	11.4535	PPBV		100
22) ISOPROPYL ALCOHOL	5.026	45	602862	10.8116	PPBV		98
23) ACETONE	4.818	58	177842	8.4614	PPBV		89
24) PENTANE	5.228	42	318079	11.4829	PPBV		97
25) IODOMETHANE	5.418	142	940571	12.8113	PPBV		95
26) 1,1-DICHLOROETHYLENE	5.479	96	301140	11.0402	PPBV		100
27) CARBON DISULFIDE	5.846	76	918708	11.6416	PPBV		97
28) ETHANOL	4.451	45	231068	11.3068	PPBV		99
29) BROMOETHENE	4.616	106	443163	11.4161	PPBV		98
30) ACRYLONITRILE	5.197	52	188676	8.6417	PPBV		99
31) METHYLENE CHLORIDE	5.589	84	282870	10.3492	PPBV		99
32) 3-CHLOROPROPENE	5.693	76	151425	12.0146	PPBV		96
33) FREON 113	5.815	151	593594	13.0893	PPBV		84
34) TRANS-1,2-DICHLOROETHY...	6.445	96	309546	10.7391	PPBV		99
35) TERTIARY BUTYL ALCOHOL	5.540	59	588972	11.2285	PPBV		97
36) METHYL TERTIARY BUTYL ...	6.702	73	924243	12.5099	PPBV		98
37) TETRAHYDROFURAN	8.238	72	148865	13.1627	PPBV		98
38) HEXANE	7.700	57	464407	11.3739	PPBV		89
39) VINYL ACETATE	6.800	86	57228	12.2623	PPBV		98
40) 1,1-DICHLOROETHANE	6.647	63	606542	11.3221	PPBV		99
41) METHYL ETHYL KETONE	7.051	72	153117	13.5456	PPBV		91
42) cis-1,2-DICHLOROETHYLENE	7.492	96	334930	11.1983	PPBV		99
43) DIISOPROPYL ETHER	7.712	59	146643	11.8231	PPBV		96
44) ETHYL ACETATE	7.742	61	105256	12.6227	PPBV	#	98
45) METHYL ACRYLATE	7.724	55	594885	11.9845	PPBV		100
46) CHLOROFORM	7.804	83	776162	11.6023	PPBV		98
47) 2,4-DIMETHYLPENTANE	8.654	57	531550	11.9037	PPBV		98
48) 1,1,1-TRICHLOROETHANE	8.868	97	780498	11.4904	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55821.D
Acq On : 23 Dec 2024 11:17 am
Operator : thomash
Sample : bsd Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 24 04:40:56 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
49)	CARBON TETRACHLORIDE	9.559	117	837796	11.6701	PPBV		100
50)	1,2-DICHLOROETHANE	8.599	62	539227	12.3926	PPBV		98
52)	BENZENE	9.394	78	1003786	11.3656	PPBV		99
53)	CYCLOHEXANE	9.694	84	399516	12.0424	PPBV		97
54)	2,3-DIMETHYLPENTANE	9.994	71	210768	11.7671	PPBV		96
55)	TRICHLOROETHYLENE	10.642	95	486023	10.4386	PPBV		96
56)	1,2-DICHLOROPROPANE	10.355	63	386594	10.3128	PPBV		97
57)	DIBROMOMETHANE	10.324	174	618370	13.5673	PPBV		78
58)	ETHYL ACRYLATE	10.404	55	724833	12.2573	PPBV		99
59)	BROMODICHLOROMETHANE	10.599	83	912837	11.2272	PPBV		99
60)	2,2,4-TRIMETHYLPENTANE	10.679	57	1481841	11.0490	PPBV		98
61)	1,4-DIOXANE	10.661	88	230304	11.1977	PPBV	#	69
62)	HEPTANE	11.022	43	571625	12.2028	PPBV		97
63)	METHYL METHACRYLATE	10.930	69	373765	12.7300	PPBV		99
64)	METHYL ISOBUTYL KETONE	11.780	58	300871	12.0549	PPBV		91
65)	cis-1,3-DICHLOROPROPENE	11.725	75	694724	12.1995	PPBV		95
66)	TOLUENE	12.955	92	695165	11.2535	PPBV		99
67)	1,3-DICHLOROPROPANE	12.998	76	626759	11.5328	PPBV	#	99
68)	trans-1,3-DICHLOROPROPENE	12.398	75	629861	12.0167	PPBV		96
69)	1,1,2-TRICHLOROETHANE	12.606	83	408547	10.9481	PPBV		97
71)	2-HEXANONE	13.352	58	433718	12.4841	PPBV		90
72)	ETHYL METHACRYLATE	13.383	69	649699	12.7723	PPBV		97
73)	TETRACHLOROETHYLENE	14.460	164	628041	13.0561	PPBV		80
74)	DIBROMOCHLOROMETHANE	13.505	129	864792	11.0562	PPBV		99
75)	1,2-DIBROMOETHANE	13.817	107	720274	11.1052	PPBV		100
76)	OCTANE	14.319	43	827456	12.7918	PPBV		97
77)	1,1,1,2-TETRACHLOROETHANE	15.383	131	554894	10.2747	PPBV		94
78)	CHLOROBENZENE	15.402	112	957513	10.0996	PPBV		96
79)	ETHYLBENZENE	15.952	91	1595928	11.7541	PPBV		99
80)	m,p-XYLENE	16.228	106	1172853	22.7654	PPBV		98
81)	o-XYLENE	16.895	106	573106	11.4600	PPBV		97
82)	STYRENE	16.742	104	890827	12.4195	PPBV		98
83)	NONANE	17.304	43	870573	12.8964	PPBV		100
84)	BROMOFORM	16.283	173	1256261	15.6980	PPBV		98
86)	1,1,2,2-TETRACHLOROETHANE	16.901	83	1106434	11.0070	PPBV		99
87)	1,2,3-TRICHLOROPROPANE	17.090	75	776868	10.7035	PPBV		96
88)	ISOPROPYLBENZENE	17.806	105	1675508	10.8276	PPBV		98
89)	BROMOBENZENE	17.904	77	921247	10.5407	PPBV		88
90)	2-CHLOROTOLUENE	18.540	126	406945	10.4962	PPBV		99
91)	n-PROPYLBENZENE	18.632	120	439908	11.2136	PPBV		100
92)	4-ETHYLTOLUENE	18.871	105	1717986	12.0291	PPBV		99
93)	1,3,5-TRIMETHYLBENZENE	19.005	105	1441798	11.8126	PPBV		99
94)	ALPHA-METHYLSTYRENE	19.250	118	698121	10.5959	PPBV		99
95)	tert-BUTYLBENZENE	19.605	134	309708	11.6219	PPBV		98
96)	1,2,4-TRIMETHYLBENZENE	19.623	105	1577032	12.3146	PPBV		100
97)	m-DICHLOROBENZENE	19.813	146	1174475	11.6475	PPBV		96
98)	BENZYL CHLORIDE	19.807	91	1538320	11.1916	PPBV		98
99)	p-DICHLOROBENZENE	19.917	146	1146194	12.1751	PPBV		96
100)	sec-BUTYLBENZENE	20.015	134	375367	11.8059	PPBV		100
101)	1,2,3-TRIMETHYLBENZENE	20.229	105	1540403	11.8435	PPBV	#	99
102)	p-ISOPROPYLTOLUENE	20.259	134	438132	11.7248	PPBV		98
103)	o-DICHLOROBENZENE	20.400	146	1074336	11.7368	PPBV		95
104)	n-BUTYLBENZENE	20.847	134	428450	12.4643	PPBV		95
105)	HEXACHLOROETHANE	21.312	117	806422	12.5853	PPBV	#	74
106)	HEXACHLOROBUTADIENE	23.251	225	1781369	20.6856	PPBV		99
107)	1,2,4-TRICHLOROBENZENE	23.116	180	1458721	17.8853	PPBV		96
108)	NAPHTHALENE	22.798	128	2203206	12.3065	PPBV		100
110)	TVHC as equiv Pentane	5.228	TIC	2091566	10.2524	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55821.D
Acq On : 23 Dec 2024 11:17 am
Operator : thomash
Sample : bsd Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 24 04:40:56 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

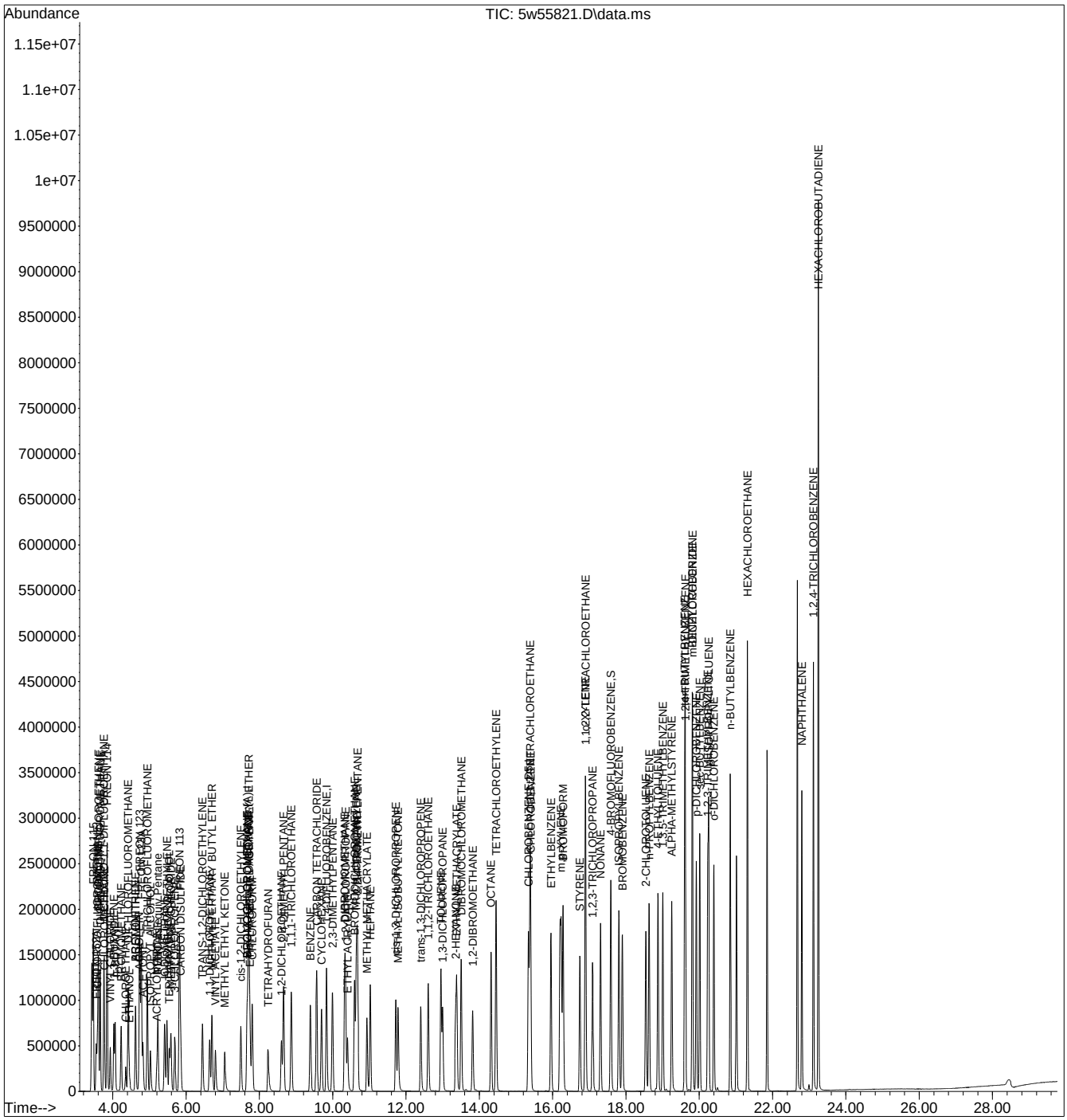
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55821.D
Acq On : 23 Dec 2024 11:17 am
Operator : thomash
Sample : bsd Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 24 04:40:56 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\102824\v7w369\
Data File : 7w09949.d
Acq On : 25 Oct 2024 12:02 pm
Operator : thomash
Sample : bs Inst : MS7W
Misc : MS86212,v7w369,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 28 10:31:50 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.277	128	65800	10.00	PPBV	0.01
52) 1,4-DIFLUOROBENZENE	4.553	114	343299	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.122	117	311820	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.277	128	65800	10.00	PPBV	0.01
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.479	95	217640	9.51	PPBV	0.00
Target Compounds						Qvalue
2) FREON 115	1.621	119	114783	13.6020	PPBV	96
3) FREON 152A	1.653	65	60462	13.2726	PPBV	87
4) CHLORODIFLUOROMETHANE	1.663	67	24145	10.9910	PPBV	97
5) CHLOROTRIFLUOROETHENE	1.676	116	127135	11.9075	PPBV	72
6) DICHLORODIFLUOROMETHANE	1.692	85	262233	9.9386	PPBV	97
7) PROPYLENE	1.673	41	75980	12.0520	PPBV	98
8) 1-CHLORO-1,1-DIFLUOROE...	1.730	65	187778	8.5001	PPBV	96
9) FREON 114	1.766	85	224683	10.0106	PPBV	99
10) CHLOROMETHANE	1.737	52	30285	8.8617	PPBV	96
11) VINYL CHLORIDE	1.801	62	107758	10.2553	PPBV	99
12) 1,3-BUTADIENE	1.840	54	86525	10.1286	PPBV	90
13) N-BUTANE	1.856	43	153593	9.8452	PPBV	99
14) BROMOMETHANE	1.914	94	78132	9.2989	PPBV	99
15) CHLOROETHANE	1.965	64	55039	10.2276	PPBV	97
16) DICHLOROFLUOROMETHANE	1.991	67	202830	9.8619	PPBV	98
17) ACETONITRILE	2.062	41	92711	9.0756	PPBV	99
18) ACROLEIN	2.100	56	50461	9.8392	PPBV	97
19) FREON 123	2.113	83	204960	9.8071	PPBV	97
20) FREON 123A	2.129	117	120423	10.0450	PPBV	96
21) TRICHLOROFLUOROMETHANE	2.197	101	213672	9.0305	PPBV	99
22) ISOPROPYL ALCOHOL	2.219	45	203680	9.1392	PPBV	97
23) ACETONE	2.139	58	57820	9.5199	PPBV	74
24) PENTANE	2.312	42	112570	9.9438	PPBV	94
25) IODOMETHANE	2.373	142	206548	10.1200	PPBV	92
26) 1,1-DICHLOROETHYLENE	2.399	96	84227	9.5661	PPBV	100
27) CARBON DISULFIDE	2.534	76	238450	9.2929	PPBV	93
28) ETHANOL	1.997	45	64962	10.6680	PPBV	98
29) BROMOETHENE	2.068	106	80397	10.0053	PPBV	97
30) ACRYLONITRILE	2.283	52	81981	9.9242	PPBV	99
31) METHYLENE CHLORIDE	2.438	84	77926	8.5993	PPBV	91
32) 3-CHLOROPROPENE	2.476	76	43371	9.3532	PPBV	80
33) FREON 113	2.534	151	123825	8.9363	PPBV	100
34) TRANS-1,2-DICHLOROETHENE	2.763	96	92746	10.8007	PPBV	95
35) TERTIARY BUTYL ALCOHOL	2.422	59	190066	8.8848	PPBV	97
36) METHYL TERTIARY BUTYL ...	2.872	73	250053	11.5903	PPBV	98
37) TETRAHYDROFURAN	3.563	72	49034	11.9277	PPBV	93
38) HEXANE	3.325	57	194887	10.8520	PPBV	90
39) VINYL ACETATE	2.907	86	22243	11.3255	PPBV	82
40) 1,1-DICHLOROETHANE	2.837	63	192904	12.0556	PPBV	99
41) METHYL ETHYL KETONE	3.004	72	52107	11.9067	PPBV	88
42) CIS-1,2-DICHLOROETHENE	3.197	96	99621	10.9393	PPBV	98
43) DIISOPROPYL ETHER	3.332	59	54962	11.7618	PPBV	86
44) ETHYL ACETATE	3.335	61	39348	11.4650	PPBV	78
45) METHYL ACRYLATE	3.322	55	228920	11.6377	PPBV #	26
46) CHLOROFORM	3.348	83	193881	10.5269	PPBV	96
47) 2,4-DIMETHYLPENTANE	3.840	57	225007	11.7128	PPBV	99
48) 1,1,1-TRICHLOROETHANE	3.920	97	188056	11.2167	PPBV	96
49) CARBON TETRACHLORIDE	4.341	117	195413	11.8740	PPBV	99

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\102824\v7w369\
Data File : 7w09949.d
Acq On : 25 Oct 2024 12:02 pm
Operator : thomash
Sample : bs Inst : MS7W
Misc : MS86212,v7w369,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 28 10:31:50 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	3.756	62	143670	10.2855	PPBV		99
51)	BENZENE	4.229	78	310813	11.4671	PPBV		94
53)	CYCLOHEXANE	4.441	84	135978	11.2145	PPBV		99
54)	2,3-DIMETHYLPENTANE	4.692	71	72547	11.6835	PPBV		96
55)	TRICHLOROETHENE	5.126	95	134924	10.2617	PPBV		95
56)	1,2-DICHLOROPROPANE	4.894	63	131565	11.2480	PPBV		94
57)	DIBROMOMETHANE	4.856	174	121426	11.0055	PPBV		90
58)	ETHYL ACRYLATE	5.013	55	273313	10.8847	PPBV		99
59)	BROMODICHLOROMETHANE	5.074	83	214235	10.6176	PPBV		99
60)	2,2,4-TRIMETHYLPENTANE	5.222	57	603049	10.8523	PPBV		99
61)	1,4-DIOXANE	5.152	88	75701	10.5198	PPBV	#	96
62)	HEPTANE	5.537	43	198959	10.1991	PPBV		93
63)	METHYL METHACRYLATE	5.434	69	122024	11.6194	PPBV		87
64)	METHYL ISOBUTYL KETONE	6.174	58	120973	10.0737	PPBV		86
65)	CIS-1,3-DICHLOROPROPENE	6.065	75	181182	12.0868	PPBV		84
66)	TOLUENE	7.267	91	380369	10.4136	PPBV		100
67)	1,3-DICHLOROPROPANE	7.325	76	189873	10.5805	PPBV		99
68)	TRANS-1,3-DICHLOROPROPENE	6.740	75	146904	11.9470	PPBV	#	83
69)	1,1,2-TRICHLOROETHANE	6.894	83	111290	11.1443	PPBV		99
70)	2-HEXANONE	7.849	58	172474	9.4105	PPBV		84
71)	ETHYL METHACRYLATE	7.971	69	200438	11.5413	PPBV		89
72)	TETRACHLOROETHENE	8.994	164	148250	11.3592	PPBV		96
73)	DIBROMOCHLOROMETHANE	7.801	129	212732	11.1201	PPBV		99
74)	1,2-DIBROMOETHANE	8.142	107	201609	11.4600	PPBV		100
75)	OCTANE	9.142	43	276621	9.4268	PPBV		94
77)	1,1,1,2-TETRACHLOROETHANE	10.209	131	155380	11.6187	PPBV		92
78)	CHLOROBENZENE	10.203	112	304938	10.1025	PPBV		100
79)	ETHYLBENZENE	11.081	91	504507	10.1965	PPBV		97
80)	M,P-XYLENE	11.511	91	768351	19.6596	PPBV		99
81)	O-XYLENE	12.444	91	393574	10.0303	PPBV		99
82)	STYRENE	12.228	104	312390	11.0035	PPBV		97
83)	NONANE	13.566	43	289042	9.3143	PPBV		90
84)	BROMOFORM	11.318	173	202178	11.9150	PPBV		98
85)	1,1,2,2-TETRACHLOROETHANE	12.453	83	296494	10.7278	PPBV		98
86)	1,2,3-TRICHLOROPROPANE	12.736	75	226775	10.1605	PPBV		100
88)	ISOPROPYLBENZENE	13.958	120	152285	10.2463	PPBV		92
89)	BROMOBENZENE	13.823	77	277452	9.8677	PPBV		95
90)	2-CHLOROTOLUENE	14.955	126	136599	10.0255	PPBV		99
91)	N-PROPYLBENZENE	15.293	120	160113	10.4623	PPBV		99
92)	4-ETHYLTOLUENE	15.743	105	575949	10.6297	PPBV		99
93)	1,3,5-TRIMETHYLBENZENE	15.994	105	471165	10.3349	PPBV		98
94)	ALPHA-METHYLSTYRENE	16.273	118	245460	10.1327	PPBV		99
95)	TERT-BUTYLBENZENE	16.569	134	115489	10.5898	PPBV		93
96)	1,2,4-TRIMETHYLBENZENE	16.579	105	486847	10.2189	PPBV		99
97)	BENZYL CHLORIDE	16.669	91	282373	20.3678	PPBV		97
98)	M-DICHLOROBENZENE	16.640	146	333300	10.4829	PPBV		97
99)	P-DICHLOROBENZENE	16.730	146	338075	10.7207	PPBV		97
100)	O-DICHLOROBENZENE	17.045	146	317176	10.4168	PPBV		96
101)	SEC-BUTYLBENZENE	16.875	134	144191	10.5052	PPBV		93
102)	1,2,3-TRIMETHYLBENZENE	16.994	105	473761	9.8221	PPBV		98
103)	P-ISOPROPYLTOLUENE	17.064	134	158852	10.3716	PPBV		92
104)	N-BUTYLBENZENE	17.428	134	157279	10.3454	PPBV		90
105)	HEXACHLOROETHANE	17.604	117	177587	12.0364	PPBV		94
106)	HEXACHLOROBUTADIENE	18.662	225	247395	10.8142	PPBV		99
107)	1,2,4-TRICHLOROBENZENE	18.350	180	326953	10.7268	PPBV		99
108)	NAPHTHALENE	18.399	128	750625	9.4261	PPBV		100
110)	TVHC as equiv Pentane	2.312	TIC	532994	9.3326	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\102824\v7w369\
Data File : 7w09949.d
Acq On : 25 Oct 2024 12:02 pm
Operator : thomash
Sample : bs Inst : MS7W
Misc : MS86212,v7w369,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 28 10:31:50 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

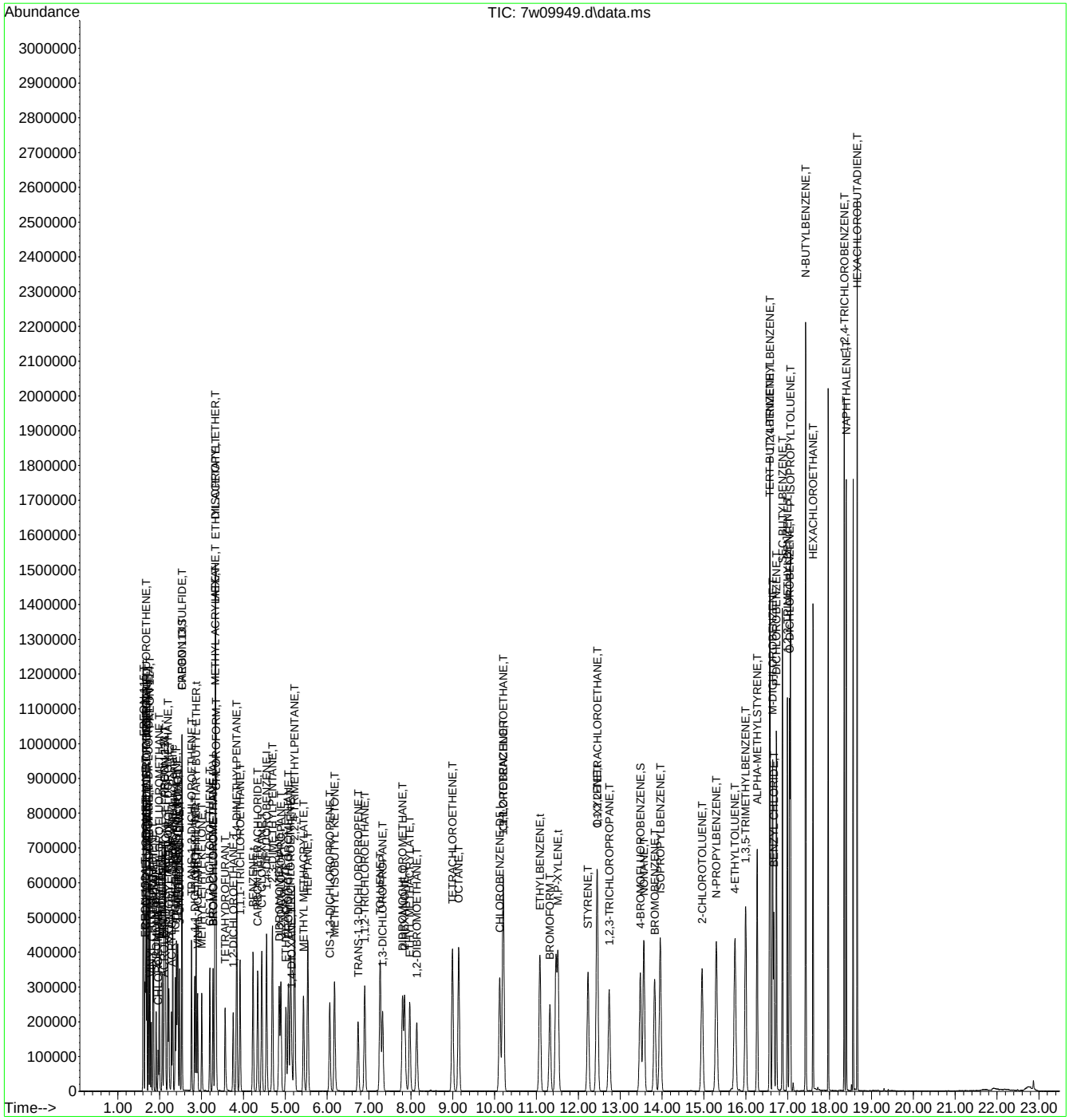
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\102824\v7w369\
Data File : 7w09949.d
Acq On : 25 Oct 2024 12:02 pm
Operator : thomash
Sample : bs Inst : MS7W
Misc : MS86212,v7w369,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 28 10:31:50 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 10/28/24 10:31

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\102824\v7w369\
Data File : 7w09950.d
Acq On : 25 Oct 2024 12:38 pm
Operator : thomash
Sample : bsd Inst : MS7W
Misc : MS86212,v7w369,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 28 10:43:55 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.274	128	64745	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.553	114	327249	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.122	117	301996	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.274	128	64745	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.482	95	213176	9.62	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.621	119	97426	11.7333	PPBV		96
3) FREON 152A	1.650	65	59790	13.3389	PPBV		88
4) CHLORODIFLUOROMETHANE	1.663	67	23476	10.8606	PPBV		98
5) CHLOROTRIFLUOROETHENE	1.676	116	126529	12.0439	PPBV		72
6) DICHLORODIFLUOROMETHANE	1.692	85	258960	9.9745	PPBV		96
7) PROPYLENE	1.672	41	75893	12.2344	PPBV		97
8) 1-CHLORO-1,1-DIFLUOROE...	1.730	65	184886	8.5056	PPBV		95
9) FREON 114	1.766	85	221578	10.0331	PPBV		100
10) CHLOROMETHANE	1.737	52	30186	8.9767	PPBV		97
11) VINYL CHLORIDE	1.798	62	105855	10.2384	PPBV		99
12) 1,3-BUTADIENE	1.836	54	85335	10.1520	PPBV		90
13) N-BUTANE	1.852	43	153209	9.9807	PPBV		99
14) BROMOMETHANE	1.914	94	77236	9.3421	PPBV		99
15) CHLOROETHANE	1.962	64	54263	10.2477	PPBV		98
16) DICHLOROFLUOROMETHANE	1.987	67	198429	9.8051	PPBV		98
17) ACETONITRILE	2.058	41	92641	9.2165	PPBV		99
18) ACROLEIN	2.097	56	49592	9.8273	PPBV		100
19) FREON 123	2.110	83	202981	9.8707	PPBV		98
20) FREON 123A	2.129	117	118906	10.0801	PPBV		95
21) TRICHLOROFLUOROMETHANE	2.193	101	211820	9.0981	PPBV		99
22) ISOPROPYL ALCOHOL	2.216	45	201316	9.1803	PPBV		97
23) ACETONE	2.139	58	55825	9.3412	PPBV		78
24) PENTANE	2.309	42	111606	10.0193	PPBV		93
25) IODOMETHANE	2.370	142	203209	10.1186	PPBV		92
26) 1,1-DICHLOROETHYLENE	2.399	96	83718	9.6633	PPBV		100
27) CARBON DISULFIDE	2.534	76	234578m	9.2910	PPBV		
28) ETHANOL	1.994	45	64484	10.7620	PPBV		98
29) BROMOETHENE	2.065	106	79869	10.1015	PPBV		97
30) ACRYLONITRILE	2.280	52	81557	10.0338	PPBV		97
31) METHYLENE CHLORIDE	2.434	84	76237	8.5500	PPBV		92
32) 3-CHLOROPROPENE	2.476	76	42863	9.3943	PPBV		79
33) FREON 113	2.531	151	124171	9.1073	PPBV		99
34) TRANS-1,2-DICHLOROETHENE	2.759	96	92283	10.9219	PPBV		95
35) TERTIARY BUTYL ALCOHOL	2.422	59	189224	8.9896	PPBV		96
36) METHYL TERTIARY BUTYL ...	2.872	73	249216	11.7397	PPBV		98
37) TETRAHYDROFURAN	3.563	72	48783	12.0600	PPBV		89
38) HEXANE	3.325	57	191667	10.8466	PPBV		89
39) VINYL ACETATE	2.907	86	22469	11.6270	PPBV		80
40) 1,1-DICHLOROETHANE	2.836	63	191560	12.1666	PPBV		99
41) METHYL ETHYL KETONE	3.004	72	51215	11.8936	PPBV		88
42) CIS-1,2-DICHLOROETHENE	3.200	96	101828	11.3639	PPBV		98
43) DIISOPROPYL ETHER	3.331	59	54750	11.9074	PPBV		79
44) ETHYL ACETATE	3.338	61	39550	11.7116	PPBV		70
45) METHYL ACRYLATE	3.322	55	224303	11.5888	PPBV	#	26
46) CHLOROFORM	3.348	83	193223	10.6621	PPBV		94
47) 2,4-DIMETHYLPENTANE	3.840	57	221294	11.7072	PPBV		98
48) 1,1,1-TRICHLOROETHANE	3.920	97	185571	11.2488	PPBV		96
49) CARBON TETRACHLORIDE	4.341	117	191169	11.8054	PPBV		98

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\102824\v7w369\
Data File : 7w09950.d
Acq On : 25 Oct 2024 12:38 pm
Operator : thomash
Sample : bsd Inst : MS7W
Misc : MS86212,v7w369,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 28 10:43:55 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	3.756	62	140693	10.2365	PPBV		99
51)	BENZENE	4.229	78	308862	11.5808	PPBV		94
53)	CYCLOHEXANE	4.438	84	134952	11.6757	PPBV		98
54)	2,3-DIMETHYLPENTANE	4.695	71	72544	12.2560	PPBV		95
55)	TRICHLOROETHENE	5.126	95	134951	10.7671	PPBV		96
56)	1,2-DICHLOROPROPANE	4.894	63	130978	11.7470	PPBV		94
57)	DIBROMOMETHANE	4.856	174	120779	11.4838	PPBV		91
58)	ETHYL ACRYLATE	5.013	55	276042	11.5325	PPBV		98
59)	BROMODICHLOROMETHANE	5.074	83	211808	11.0122	PPBV		99
60)	2,2,4-TRIMETHYLPENTANE	5.222	57	604071	11.4038	PPBV		99
61)	1,4-DIOXANE	5.151	88	75111	10.9497	PPBV	#	96
62)	HEPTANE	5.537	43	197076	10.5981	PPBV		93
63)	METHYL METHACRYLATE	5.438	69	121197	12.1066	PPBV		87
64)	METHYL ISOBUTYL KETONE	6.174	58	121269	10.5936	PPBV		86
65)	CIS-1,3-DICHLOROPROPENE	6.061	75	180973	12.6650	PPBV		84
66)	TOLUENE	7.267	91	378586	10.8731	PPBV		100
67)	1,3-DICHLOROPROPANE	7.325	76	188684	11.0299	PPBV		100
68)	TRANS-1,3-DICHLOROPROPENE	6.740	75	147671	12.5984	PPBV	#	83
69)	1,1,2-TRICHLOROETHANE	6.897	83	109935	11.5485	PPBV		98
70)	2-HEXANONE	7.849	58	171912	9.8398	PPBV		84
71)	ETHYL METHACRYLATE	7.971	69	200253	12.0962	PPBV		89
72)	TETRACHLOROETHENE	8.994	164	144885	11.6459	PPBV		96
73)	DIBROMOCHLOROMETHANE	7.801	129	212503	11.6530	PPBV		100
74)	1,2-DIBROMOETHANE	8.142	107	198757	11.8520	PPBV		99
75)	OCTANE	9.142	43	282112	10.0854	PPBV		96
77)	1,1,1,2-TETRACHLOROETHANE	10.209	131	154932	11.9621	PPBV		92
78)	CHLOROBENZENE	10.196	112	306394	10.4810	PPBV		99
79)	ETHYLBENZENE	11.084	91	503435	10.5058	PPBV		97
80)	M,P-XYLENE	11.511	91	767972	20.2891	PPBV		98
81)	O-XYLENE	12.440	91	392342	10.3242	PPBV		99
82)	STYRENE	12.231	104	311709	11.3367	PPBV		97
83)	NONANE	13.563	43	288035	9.5838	PPBV		90
84)	BROMOFORM	11.322	173	199314	12.1283	PPBV		98
85)	1,1,2,2-TETRACHLOROETHANE	12.457	83	296703	11.0846	PPBV		99
86)	1,2,3-TRICHLOROPROPANE	12.733	75	226203	10.4646	PPBV		100
88)	ISOPROPYLBENZENE	13.955	120	151772	10.5439	PPBV		91
89)	BROMOBENZENE	13.826	77	277922	10.2060	PPBV		94
90)	2-CHLOROTOLUENE	14.958	126	134170	10.1676	PPBV		99
91)	N-PROPYLBENZENE	15.296	120	157281	10.6115	PPBV		99
92)	4-ETHYLTOLUENE	15.743	105	577461	11.0042	PPBV		100
93)	1,3,5-TRIMETHYLBENZENE	15.997	105	473504	10.7240	PPBV		99
94)	ALPHA-METHYLSTYRENE	16.270	118	245694	10.4723	PPBV		99
95)	TERT-BUTYLBENZENE	16.572	134	115027	10.8906	PPBV		94
96)	1,2,4-TRIMETHYLBENZENE	16.579	105	489602	10.6110	PPBV		100
97)	BENZYL CHLORIDE	16.669	91	285686	21.2771	PPBV		97
98)	M-DICHLOROBENZENE	16.640	146	332469	10.7969	PPBV		97
99)	P-DICHLOROBENZENE	16.733	146	337074	11.0367	PPBV		97
100)	O-DICHLOROBENZENE	17.045	146	319125	10.8218	PPBV		97
101)	SEC-BUTYLBENZENE	16.874	134	143736	10.8127	PPBV		94
102)	1,2,3-TRIMETHYLBENZENE	16.990	105	472905	10.1233	PPBV		98
103)	P-ISOPROPYLTOLUENE	17.064	134	158848	10.7088	PPBV		92
104)	N-BUTYLBENZENE	17.424	134	159420	10.8273	PPBV		88
105)	HEXACHLOROETHANE	17.604	117	176425	12.3466	PPBV		94
106)	HEXACHLOROBUTADIENE	18.656	225	261835	11.8177	PPBV		99
107)	1,2,4-TRICHLOROBENZENE	18.347	180	345542	11.7055	PPBV		99
108)	NAPHTHALENE	18.395	128	793408	10.2875	PPBV		100
110)	TVHC as equiv Pentane	2.309	TIC	520758	9.2670	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\102824\v7w369\
Data File : 7w09950.d
Acq On : 25 Oct 2024 12:38 pm
Operator : thomash
Sample : bsd Inst : MS7W
Misc : MS86212,v7w369,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 28 10:43:55 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

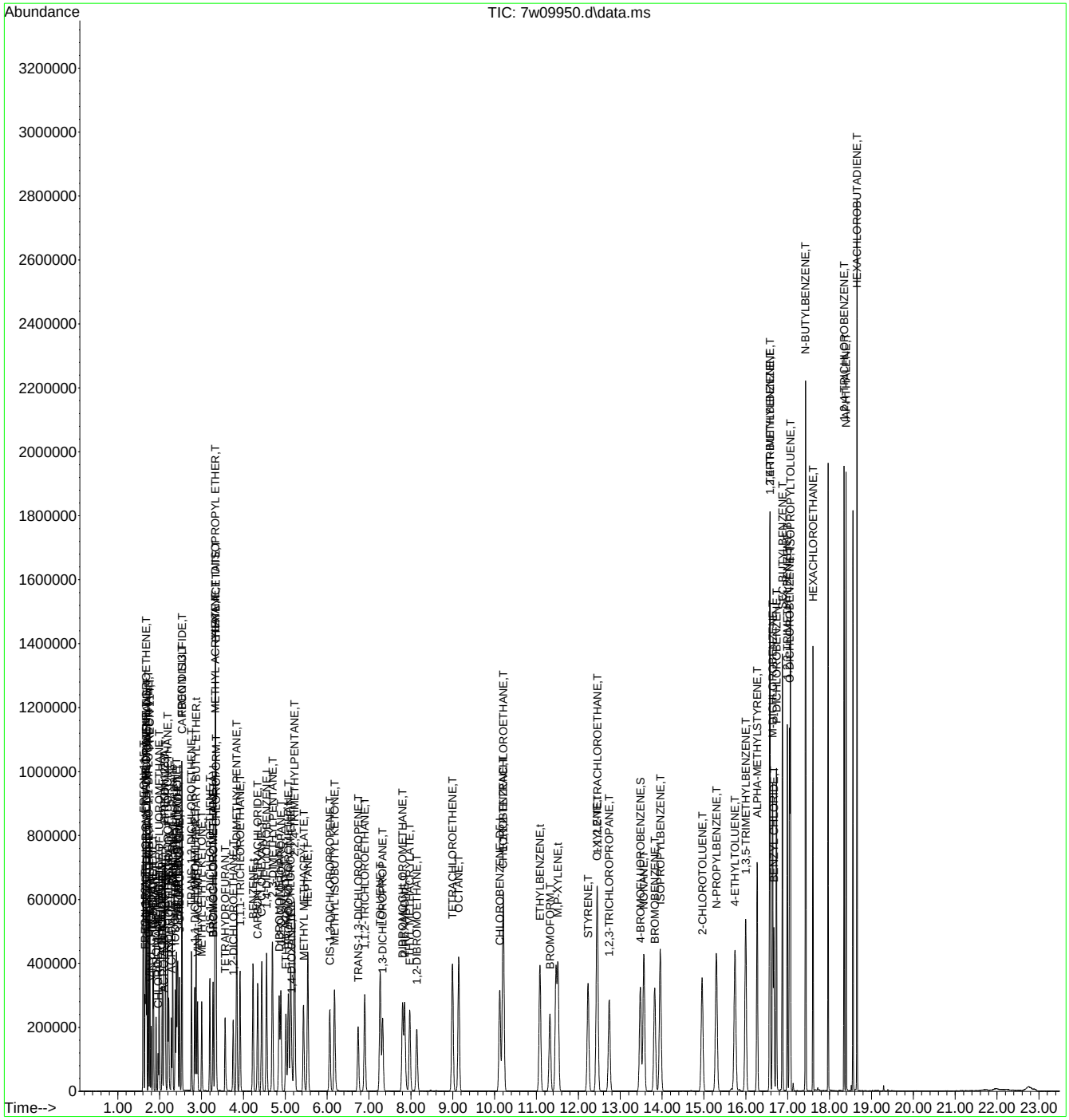
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\102824\v7w369\
Data File : 7w09950.d
Acq On : 25 Oct 2024 12:38 pm
Operator : thomash
Sample : bsd Inst : MS7W
Misc : MS86212,v7w369,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 28 10:43:55 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



M7W305.M Mon Oct 28 13:21:44 2024 Page: 4

Manual Integration Approval Summary

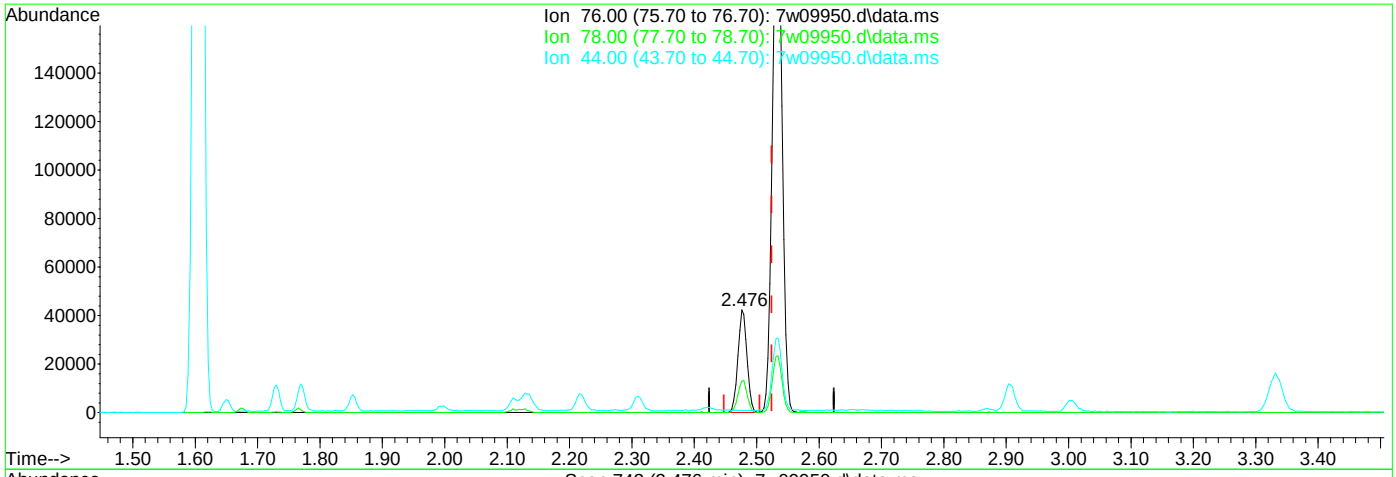
Sample Number: V7W369-BSD
Lab FileID: 7W09950.D
Injection Time: 10/25/24 12:38
Method: TO-15
Analyst approved: 10/28/24 09:30 Kristel Valladolid
Supervisor approved: 10/28/24 10:31 Kanya Veerawat

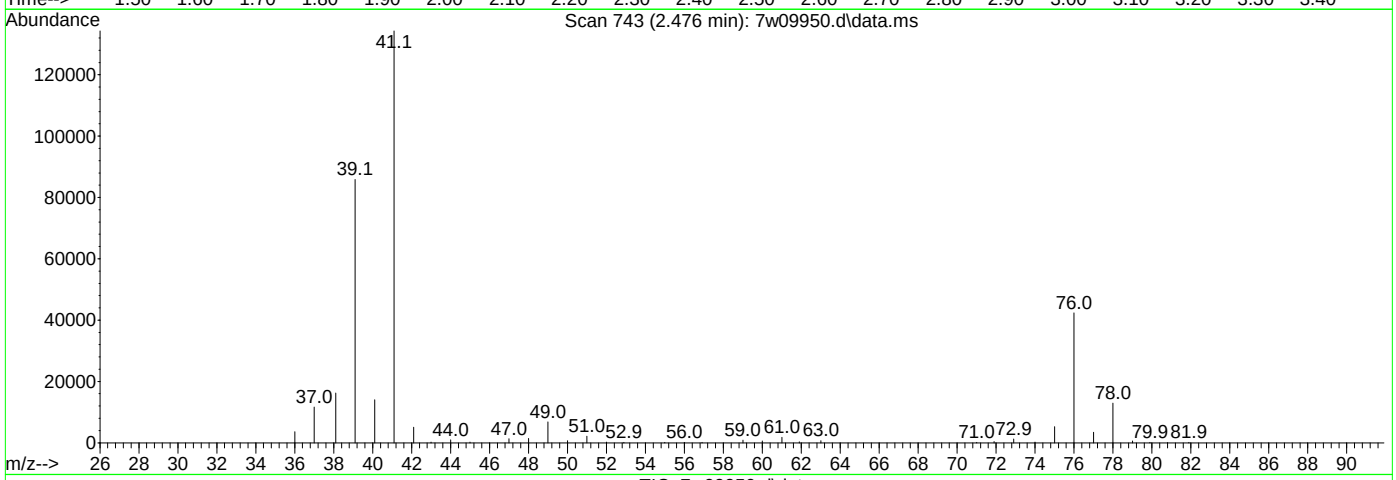
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon disulfide	75-15-0		2.53	Missed peak

Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\kristelv\102824\v7w369\
Data File : 7w09950.d
Acq On : 25 Oct 2024 12:38 pm
Operator : thomash
Sample : bsd Inst : MS7W
Misc : MS86212,v7w369,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 28 10:32:12 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration





TIC: 7w09950.d\data.ms

(27) CARBON DISULFIDE (T)

2.476min (-0.048) 1.70PPBV

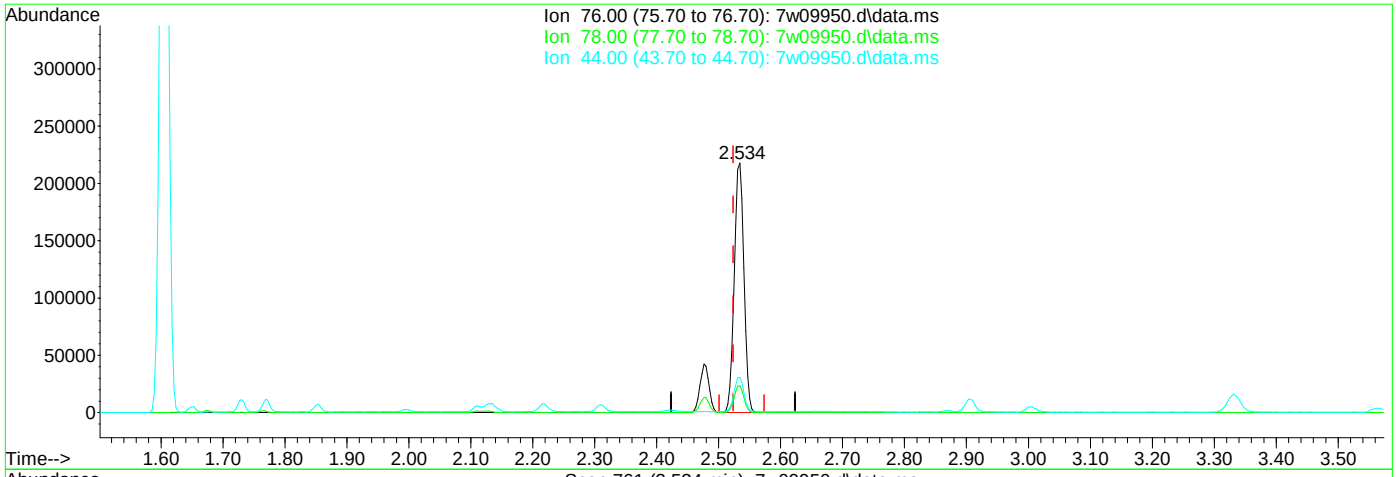
response 42893

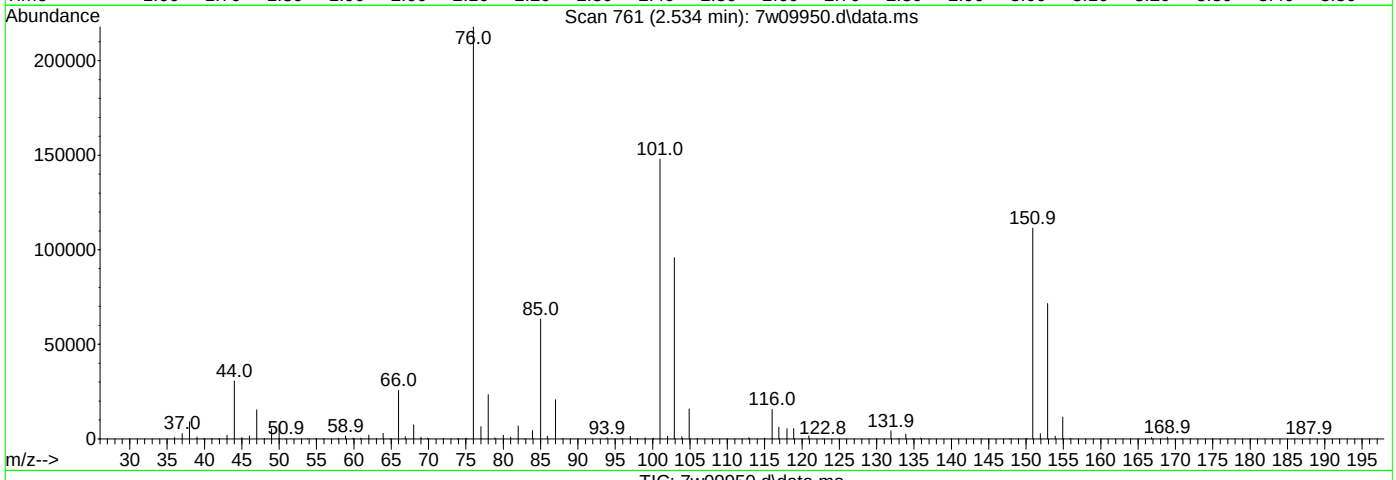
Ion	Exp%	Act%
76.00	100	100
78.00	11.40	32.29#
44.00	19.10	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\kristelv\102824\v7w369\
Data File : 7w09950.d
Acq On : 25 Oct 2024 12:38 pm
Operator : thomash
Sample : bsd Inst : MS7W
Misc : MS86212,v7w369,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 28 10:32:12 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration





TIC: 7w09950.d\data.ms

(27) CARBON DISULFIDE (T)

2.534min (+0.010) 9.29PPBV m

response 234578

Ion	Exp%	Act%
76.00	100	100
78.00	11.40	5.90#
44.00	19.10	0.00#
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 11/19/24 11:36

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10577.D
Acq On : 18 Nov 2024 10:11 am
Operator : bkim
Sample : bs Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:53:13 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
	Internal Standards							
1)	BROMOCHLOROMETHANE	3.274	128	59927	10.00	PPBV		0.00
52)	1,4-DIFLUOROBENZENE	4.554	114	307732	10.00	PPBV		0.00
76)	CHLOROBENZENE-D5	10.123	117	281115	10.00	PPBV		0.00
109)	BROMOCHLOROMETHANE (A)	3.274	128	59927	10.00	PPBV		0.00
	System Monitoring Compounds							
87)	4-BROMOFLUOROBENZENE	13.476	95	190904	9.26	PPBV		0.00
	Target Compounds							Qvalue
2)	FREON 115	1.618	119	110512	14.3793	PPBV		96
3)	FREON 152A	1.650	65	59070	14.2378	PPBV		88
4)	CHLORODIFLUOROMETHANE	1.663	67	22970	11.4809	PPBV		99
5)	CHLOROTRIFLUOROETHENE	1.676	116	122529	12.6008	PPBV		73
6)	DICHLORODIFLUOROMETHANE	1.692	85	255544	10.6343	PPBV		96
7)	PROPYLENE	1.670	41	76743	13.3660	PPBV		97
8)	1-CHLORO-1,1-DIFLUOROE...	1.731	65	172937	8.5955	PPBV		93
9)	FREON 114	1.766	85	217219	10.6265	PPBV		95
10)	CHLOROMETHANE	1.734	52	27200	8.7390	PPBV		94
11)	VINYL CHLORIDE	1.798	62	99503	10.3978	PPBV		99
12)	1,3-BUTADIENE	1.837	54	80190	10.3069	PPBV		85
13)	N-BUTANE	1.853	43	127768	8.9925	PPBV		96
14)	BROMOMETHANE	1.914	94	78281	10.2297	PPBV		99
15)	CHLOROETHANE	1.962	64	51878	10.5850	PPBV		91
16)	DICHLOROFLUOROMETHANE	1.988	67	189308	10.1065	PPBV		97
17)	ACETONITRILE	2.059	41	77908	8.3740	PPBV		98
18)	ACROLEIN	2.097	56	44203	9.4636	PPBV		96
19)	FREON 123	2.113	83	201252	10.5734	PPBV		98
20)	FREON 123A	2.129	117	125238	11.4705	PPBV		91
21)	TRICHLOROFLUOROMETHANE	2.194	101	215086	9.9812	PPBV		98
22)	ISOPROPYL ALCOHOL	2.219	45	177899	8.7647	PPBV		96
23)	ACETONE	2.139	58	53254	9.6274	PPBV		66
24)	PENTANE	2.313	42	90696	8.7967	PPBV		92
25)	IODOMETHANE	2.374	142	225162	12.1131	PPBV		89
26)	1,1-DICHLOROETHYLENE	2.400	96	86229	10.7533	PPBV		85
27)	CARBON DISULFIDE	2.535	76	224756m	9.6177	PPBV		
28)	ETHANOL	1.998	45	49449	8.9163	PPBV		98
29)	BROMOETHENE	2.065	106	83471	11.4058	PPBV	#	97
30)	ACRYLONITRILE	2.281	52	69775	9.2744	PPBV		96
31)	METHYLENE CHLORIDE	2.438	84	75329	9.1274	PPBV		80
32)	3-CHLOROPROPENE	2.480	76	39694	9.3992	PPBV	#	62
33)	FREON 113	2.535	151	140140	11.1049	PPBV		89
34)	TRANS-1,2-DICHLOROETHENE	2.763	96	91287	11.6726	PPBV		99
35)	TERTIARY BUTYL ALCOHOL	2.422	59	176592	9.0639	PPBV		92
36)	METHYL TERTIARY BUTYL ...	2.872	73	239170	12.1723	PPBV		98
37)	TETRAHYDROFURAN	3.563	72	45330	12.1074	PPBV		96
38)	HEXANE	3.329	57	186212	11.3851	PPBV		88
39)	VINYL ACETATE	2.908	86	21657	12.1078	PPBV		77
40)	1,1-DICHLOROETHANE	2.837	63	181698	12.4681	PPBV		99
41)	METHYL ETHYL KETONE	3.004	72	48800	12.2439	PPBV		89
42)	CIS-1,2-DICHLOROETHENE	3.200	96	94849	11.4360	PPBV		100
43)	DIISOPROPYL ETHER	3.335	59	52672	12.3764	PPBV		84
44)	ETHYL ACETATE	3.338	61	36929	11.8146	PPBV		78
45)	METHYL ACRYLATE	3.322	55	215839	12.0480	PPBV	#	26
46)	CHLOROFORM	3.348	83	181569	10.8246	PPBV		95
47)	2,4-DIMETHYLPENTANE	3.843	57	215745	12.3313	PPBV		98
48)	1,1,1-TRICHLOROETHANE	3.920	97	178620	11.6980	PPBV		96
49)	CARBON TETRACHLORIDE	4.342	117	186476	12.4415	PPBV		98

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10577.D
Acq On : 18 Nov 2024 10:11 am
Operator : bkim
Sample : bs Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:53:13 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	3.756	62	135176	10.6258	PPBV		99
51)	BENZENE	4.229	78	285064	11.5478	PPBV		97
53)	CYCLOHEXANE	4.438	84	123825	11.3925	PPBV		93
54)	2,3-DIMETHYLPENTANE	4.695	71	66437	11.9361	PPBV		93
55)	TRICHLOROETHENE	5.129	95	124837	10.5919	PPBV		96
56)	1,2-DICHLOROPROPANE	4.898	63	126622	12.0766	PPBV		94
57)	DIBROMOMETHANE	4.856	174	110137	11.1361	PPBV		91
58)	ETHYL ACRYLATE	5.017	55	267872	11.9010	PPBV		99
59)	BROMODICHLOROMETHANE	5.075	83	198539	10.9770	PPBV		99
60)	2,2,4-TRIMETHYLPENTANE	5.223	57	587587	11.7962	PPBV		98
61)	1,4-DIOXANE	5.155	88	68433	10.6089	PPBV	#	93
62)	HEPTANE	5.541	43	196653	11.2460	PPBV		98
63)	METHYL METHACRYLATE	5.435	69	110695	11.7588	PPBV		93
64)	METHYL ISOBUTYL KETONE	6.174	58	116018	10.7777	PPBV		88
65)	CIS-1,3-DICHLOROPROPENE	6.065	75	167663	12.4777	PPBV		86
66)	TOLUENE	7.268	91	346089	10.5702	PPBV		100
67)	1,3-DICHLOROPROPANE	7.325	76	172835	10.7442	PPBV		100
68)	TRANS-1,3-DICHLOROPROPENE	6.740	75	139504	12.6564	PPBV		85
69)	1,1,2-TRICHLOROETHANE	6.895	83	101053	11.2887	PPBV		98
70)	2-HEXANONE	7.853	58	162743	9.9058	PPBV		86
71)	ETHYL METHACRYLATE	7.972	69	180957	11.6239	PPBV		93
72)	TETRACHLOROETHENE	8.994	164	134599	11.5053	PPBV		97
73)	DIBROMOCHLOROMETHANE	7.801	129	200804	11.7098	PPBV		99
74)	1,2-DIBROMOETHANE	8.142	107	183640	11.6450	PPBV		99
75)	OCTANE	9.142	43	271332	10.3153	PPBV		98
77)	1,1,1,2-TETRACHLOROETHANE	10.210	131	143846	11.9311	PPBV		93
78)	CHLOROBENZENE	10.200	112	278592	10.2378	PPBV		100
79)	ETHYLBENZENE	11.081	91	457220	10.2501	PPBV		97
80)	M,P-XYLENE	11.508	91	703381	19.9630	PPBV		100
81)	O-XYLENE	12.441	91	355250	10.0425	PPBV		99
82)	STYRENE	12.229	104	278357	10.8757	PPBV		97
83)	NONANE	13.563	43	279616	9.9947	PPBV		93
84)	BROMOFORM	11.322	173	187082	12.2296	PPBV		99
85)	1,1,2,2-TETRACHLOROETHANE	12.454	83	261976	10.5142	PPBV		98
86)	1,2,3-TRICHLOROPROPANE	12.737	75	201971	10.0376	PPBV		100
88)	ISOPROPYLBENZENE	13.955	120	136930	10.2194	PPBV		94
89)	BROMOBENZENE	13.823	77	246840	9.7379	PPBV		94
90)	2-CHLOROTOLUENE	14.952	126	122323	9.9584	PPBV		99
91)	N-PROPYLBENZENE	15.293	120	142602	10.3358	PPBV		100
92)	4-ETHYLTOLUENE	15.743	105	514233	10.5272	PPBV		100
93)	1,3,5-TRIMETHYLBENZENE	15.994	105	421583	10.2573	PPBV		99
94)	ALPHA-METHYLSTYRENE	16.270	118	216053	9.8929	PPBV		98
95)	TERT-BUTYLBENZENE	16.569	134	102644	10.4400	PPBV		95
96)	1,2,4-TRIMETHYLBENZENE	16.579	105	435406	10.1374	PPBV		99
97)	BENZYL CHLORIDE	16.669	91	258850	20.7104	PPBV		98
98)	M-DICHLOROBENZENE	16.640	146	294616	10.2783	PPBV		97
99)	P-DICHLOROBENZENE	16.730	146	299214	10.5247	PPBV		97
100)	O-DICHLOROBENZENE	17.042	146	280983	10.2361	PPBV		96
101)	SEC-BUTYLBENZENE	16.872	134	129277	10.4474	PPBV		92
102)	1,2,3-TRIMETHYLBENZENE	16.991	105	420338	9.6664	PPBV		99
103)	P-ISOPROPYLTOLUENE	17.061	134	140956	10.2084	PPBV		93
104)	N-BUTYLBENZENE	17.421	134	141251	10.3059	PPBV		88
105)	HEXACHLOROETHANE	17.598	117	159980	12.0274	PPBV		96
106)	HEXACHLOROBUTADIENE	18.646	225	225111	10.9149	PPBV		99
107)	1,2,4-TRICHLOROBENZENE	18.338	180	276617	10.0666	PPBV		100
108)	NAPHTHALENE	18.386	128	639531	8.9082	PPBV		100
110)	TVHC as equiv Pentane	2.313	TIC	439346	8.4468	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10577.D
Acq On : 18 Nov 2024 10:11 am
Operator : bkim
Sample : bs Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:53:13 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

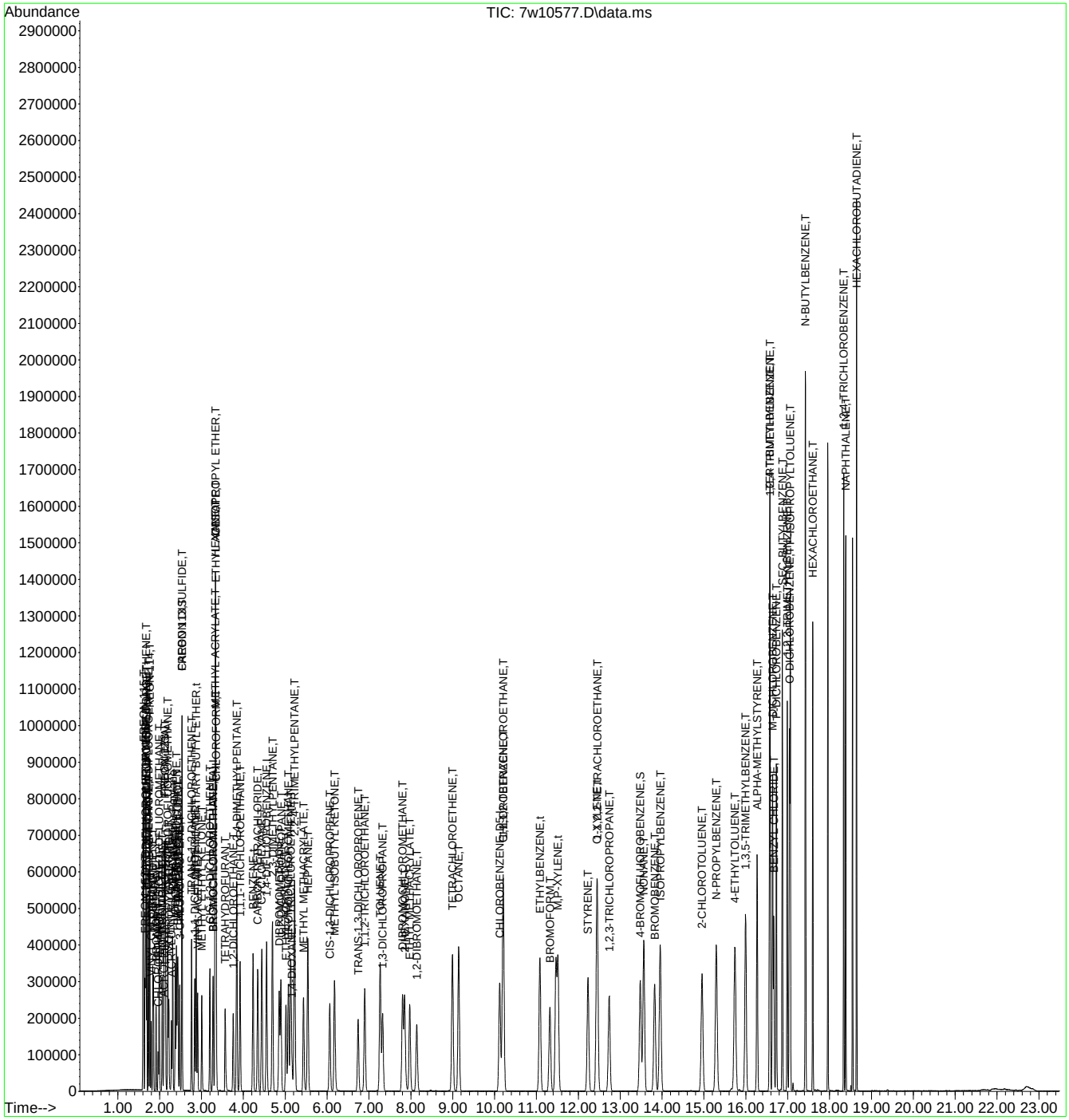
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10577.D
Acq On : 18 Nov 2024 10:11 am
Operator : bkim
Sample : bs Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:53:13 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



Manual Integration Approval Summary

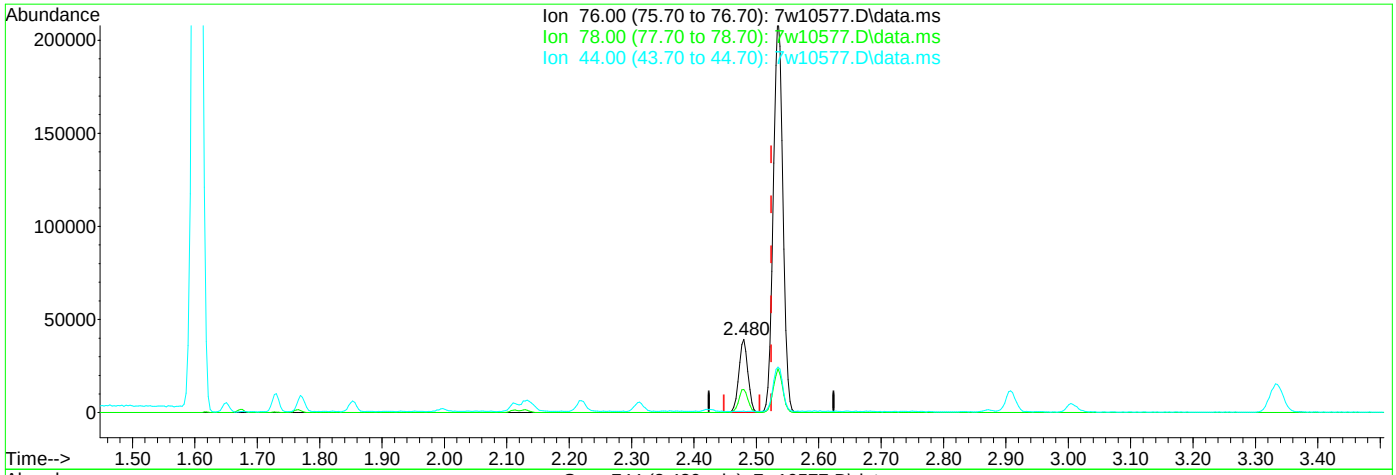
Sample Number: V7W387-BS
Lab FileID: 7W10577.D
Injection Time: 11/18/24 10:11
Method: TO-15
Analyst approved: 11/19/24 00:49 Lucky Carandang
Supervisor approved: 11/19/24 11:36 Kanya Veerawat

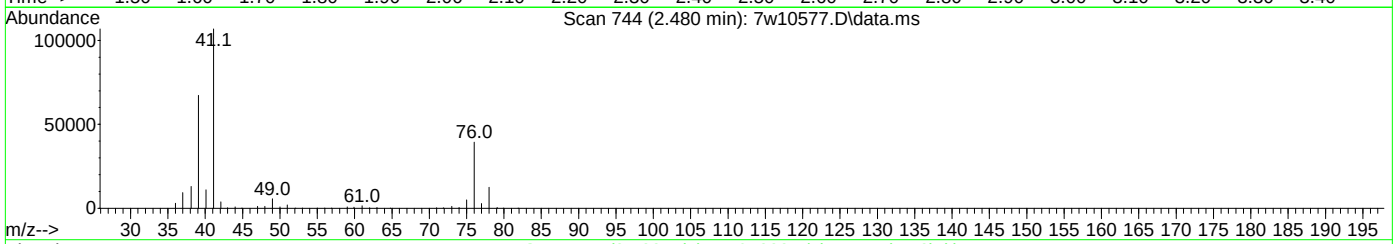
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon disulfide	75-15-0		2.53	Missed peak

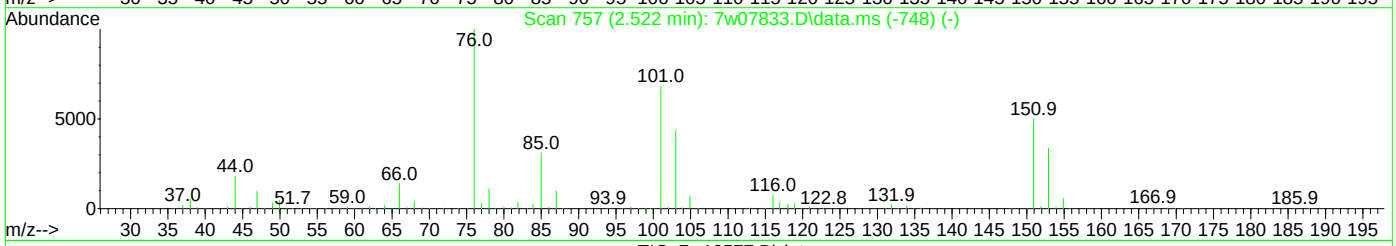
Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10577.D
Acq On : 18 Nov 2024 10:11 am
Operator : bkim
Sample : bs Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:26:01 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration







TIC: 7w10577.D\data.ms

(27) CARBON DISULFIDE (T)

2.480min (-0.044) 1.70PPBV

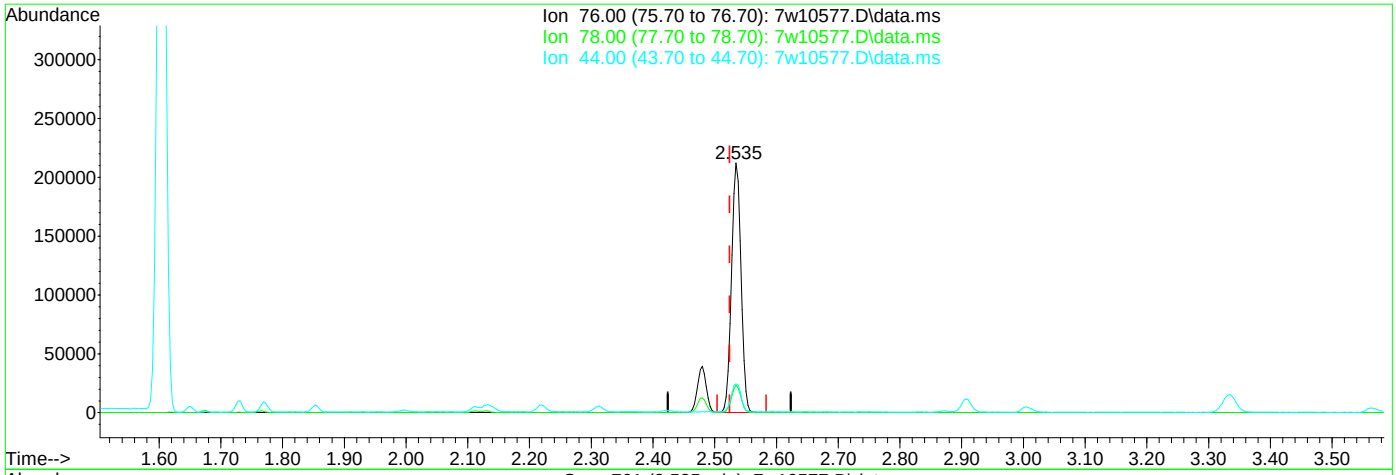
response 39710

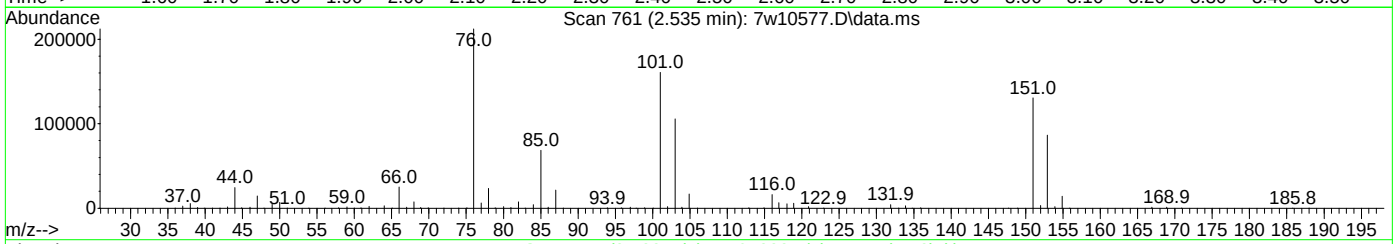
Ion	Exp%	Act%
76.00	100	100
78.00	11.40	32.64#
44.00	19.10	0.64#
0.00	0.00	0.00

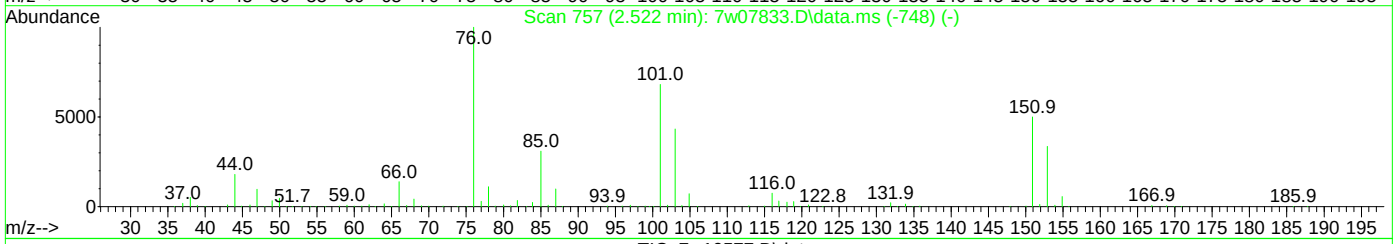
Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10577.D
Acq On : 18 Nov 2024 10:11 am
Operator : bkim
Sample : bs Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:26:01 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration







TIC: 7w10577.D\data.ms

(27) CARBON DISULFIDE (T)

2.535min (+0.011) 9.62PPBV m

response 224756

Ion	Exp%	Act%
76.00	100	100
78.00	11.40	5.77#
44.00	19.10	0.11#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10578.D
Acq On : 18 Nov 2024 10:46 am
Operator : bkim
Sample : bsd Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:26:23 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.277	128	59448	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.553	114	304227	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.122	117	275746	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.277	128	59448	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.479	95	190632	9.42	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.621	119	112227	14.7201	PPBV		97
3) FREON 152A	1.650	65	57446	13.9579	PPBV		84
4) CHLORODIFLUOROMETHANE	1.663	67	21726	10.9466	PPBV		97
5) CHLOROTRIFLUOROETHENE	1.676	116	126112	13.0738	PPBV		69
6) DICHLORODIFLUOROMETHANE	1.692	85	252623	10.5975	PPBV		94
7) PROPYLENE	1.672	41	67225	11.8027	PPBV		97
8) 1-CHLORO-1,1-DIFLUOROE...	1.730	65	168232	8.4290	PPBV		92
9) FREON 114	1.766	85	219573	10.8282	PPBV		94
10) CHLOROMETHANE	1.737	52	24803	8.0331	PPBV		91
11) VINYL CHLORIDE	1.798	62	95931	10.1053	PPBV		99
12) 1,3-BUTADIENE	1.836	54	74674	9.6753	PPBV		84
13) N-BUTANE	1.852	43	121165	8.5965	PPBV		95
14) BROMOMETHANE	1.914	94	78468	10.3368	PPBV		99
15) CHLOROETHANE	1.965	64	52103	10.7165	PPBV		95
16) DICHLOROFLUOROMETHANE	1.991	67	185911	10.0051	PPBV		97
17) ACETONITRILE	2.061	41	76003	8.2350	PPBV		99
18) ACROLEIN	2.100	56	44428	9.5884	PPBV		98
19) FREON 123	2.113	83	200054	10.5952	PPBV		99
20) FREON 123A	2.129	117	123450	11.3978	PPBV		92
21) TRICHLOROFLUOROMETHANE	2.197	101	210804	9.8613	PPBV		100
22) ISOPROPYL ALCOHOL	2.219	45	172563	8.5703	PPBV		96
23) ACETONE	2.139	58	53727	9.7912	PPBV		64
24) PENTANE	2.312	42	92167	9.0114	PPBV		92
25) IODOMETHANE	2.373	142	223797	12.1367	PPBV		89
26) 1,1-DICHLOROETHYLENE	2.402	96	84135	10.5767	PPBV		87
27) CARBON DISULFIDE	2.534	76	221254	9.5441	PPBV	#	90
28) ETHANOL	1.997	45	46856	8.5168	PPBV		98
29) BROMOETHENE	2.068	106	82455	11.3578	PPBV	#	97
30) ACRYLONITRILE	2.283	52	69892	9.3648	PPBV		96
31) METHYLENE CHLORIDE	2.438	84	74697	9.1237	PPBV		80
32) 3-CHLOROPROPENE	2.479	76	40349	9.6313	PPBV	#	59
33) FREON 113	2.534	151	136726	10.9217	PPBV		89
34) TRANS-1,2-DICHLOROETHENE	2.762	96	90883	11.7146	PPBV		99
35) TERTIARY BUTYL ALCOHOL	2.425	59	175438	9.0773	PPBV		91
36) METHYL TERTIARY BUTYL ...	2.872	73	240324	12.3296	PPBV		97
37) TETRAHYDROFURAN	3.563	72	45290	12.1941	PPBV		94
38) HEXANE	3.328	57	184582	11.3764	PPBV		88
39) VINYL ACETATE	2.907	86	21094	11.8881	PPBV		84
40) 1,1-DICHLOROETHANE	2.836	63	180973	12.5184	PPBV		99
41) METHYL ETHYL KETONE	3.007	72	47682	12.0598	PPBV		90
42) CIS-1,2-DICHLOROETHENE	3.200	96	95006	11.5473	PPBV		99
43) DIISOPROPYL ETHER	3.335	59	52095	12.3395	PPBV		83
44) ETHYL ACETATE	3.338	61	36641	11.8170	PPBV		76
45) METHYL ACRYLATE	3.325	55	213749	12.0275	PPBV	#	26
46) CHLOROFORM	3.351	83	181081	10.8825	PPBV		95
47) 2,4-DIMETHYLPENTANE	3.843	57	214369	12.3513	PPBV		99
48) 1,1,1-TRICHLOROETHANE	3.920	97	179286	11.8362	PPBV		95
49) CARBON TETRACHLORIDE	4.344	117	185073	12.4473	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10578.D
Acq On : 18 Nov 2024 10:46 am
Operator : bkim
Sample : bsd Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:26:23 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	3.759	62	133903	10.6105	PPBV		99
51)	BENZENE	4.232	78	285053	11.6404	PPBV		96
53)	CYCLOHEXANE	4.441	84	123486	11.4922	PPBV		93
54)	2,3-DIMETHYLPENTANE	4.695	71	66451	12.0762	PPBV		96
55)	TRICHLOROETHENE	5.126	95	124532	10.6877	PPBV		96
56)	1,2-DICHLOROPROPANE	4.897	63	124852	12.0450	PPBV		95
57)	DIBROMOMETHANE	4.856	174	110196	11.2704	PPBV		91
58)	ETHYL ACRYLATE	5.016	55	264942	11.9064	PPBV		99
59)	BROMODICHLOROMETHANE	5.074	83	197810	11.0627	PPBV		100
60)	2,2,4-TRIMETHYLPENTANE	5.222	57	581722	11.8130	PPBV		98
61)	1,4-DIOXANE	5.151	88	67881	10.6446	PPBV	#	95
62)	HEPTANE	5.540	43	194597	11.2566	PPBV		97
63)	METHYL METHACRYLATE	5.438	69	110949	11.9216	PPBV		92
64)	METHYL ISOBUTYL KETONE	6.174	58	114615	10.7700	PPBV		88
65)	CIS-1,3-DICHLOROPROPENE	6.065	75	167753	12.6282	PPBV		86
66)	TOLUENE	7.267	91	347675	10.7410	PPBV		100
67)	1,3-DICHLOROPROPANE	7.328	76	171884	10.8082	PPBV		100
68)	TRANS-1,3-DICHLOROPROPENE	6.740	75	139337	12.7869	PPBV		85
69)	1,1,2-TRICHLOROETHANE	6.897	83	100397	11.3447	PPBV		99
70)	2-HEXANONE	7.849	58	162687	10.0165	PPBV		86
71)	ETHYL METHACRYLATE	7.974	69	179934	11.6913	PPBV		93
72)	TETRACHLOROETHENE	8.997	164	135676	11.7309	PPBV		96
73)	DIBROMOCHLOROMETHANE	7.801	129	199913	11.7921	PPBV		100
74)	1,2-DIBROMOETHANE	8.145	107	182986	11.7372	PPBV		100
75)	OCTANE	9.142	43	268341	10.3191	PPBV		97
77)	1,1,1,2-TETRACHLOROETHANE	10.209	131	144815	12.2454	PPBV		92
78)	CHLOROBENZENE	10.199	112	279014	10.4529	PPBV		100
79)	ETHYLBENZENE	11.084	91	458943	10.4891	PPBV		96
80)	M,P-XYLENE	11.514	91	712410	20.6129	PPBV		98
81)	O-XYLENE	12.444	91	357163	10.2932	PPBV		98
82)	STYRENE	12.228	104	284416	11.3288	PPBV		96
83)	NONANE	13.563	43	247974	9.0363	PPBV		86
84)	BROMOFORM	11.322	173	196785	13.1143	PPBV		99
85)	1,1,2,2-TETRACHLOROETHANE	12.453	83	261640	10.7052	PPBV		98
86)	1,2,3-TRICHLOROPROPANE	12.736	75	198044	10.0341	PPBV		100
88)	ISOPROPYLBENZENE	13.958	120	142718	10.8588	PPBV		90
89)	BROMOBENZENE	13.820	77	245227	9.8626	PPBV		90
90)	2-CHLOROTOLUENE	14.958	126	126461	10.4957	PPBV		98
91)	N-PROPYLBENZENE	15.289	120	149258	11.0289	PPBV		99
92)	4-ETHYLTOLUENE	15.743	105	524683	10.9503	PPBV		99
93)	1,3,5-TRIMETHYLBENZENE	15.997	105	428738	10.6345	PPBV		98
94)	ALPHA-METHYLSTYRENE	16.270	118	227883	10.6378	PPBV		98
95)	TERT-BUTYLBENZENE	16.569	134	107149	11.1104	PPBV		92
96)	1,2,4-TRIMETHYLBENZENE	16.579	105	444260	10.5449	PPBV		98
97)	BENZYL CHLORIDE	16.669	91	257782	21.0265	PPBV		96
98)	M-DICHLOROBENZENE	16.640	146	311779	11.0889	PPBV		96
99)	P-DICHLOROBENZENE	16.730	146	312888	11.2200	PPBV		96
100)	O-DICHLOROBENZENE	17.042	146	299868	11.1368	PPBV		96
101)	SEC-BUTYLBENZENE	16.871	134	133359	10.9871	PPBV		89
102)	1,2,3-TRIMETHYLBENZENE	16.990	105	431281	10.1111	PPBV		98
103)	P-ISOPROPYLTOLUENE	17.064	134	147019	10.8548	PPBV		91
104)	N-BUTYLBENZENE	17.421	134	143845	10.6995	PPBV		84
105)	HEXACHLOROETHANE	17.598	117	161090	12.3466	PPBV		94
106)	HEXACHLOROBUTADIENE	18.649	225	225577	11.1504	PPBV		99
107)	1,2,4-TRICHLOROBENZENE	18.341	180	279684	10.3764	PPBV		100
108)	NAPHTHALENE	18.386	128	646041	9.1741	PPBV		100
110)	TVHC as equiv Pentane	2.312	TIC	447566	8.6742	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10578.D
Acq On : 18 Nov 2024 10:46 am
Operator : bkim
Sample : bsd Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:26:23 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

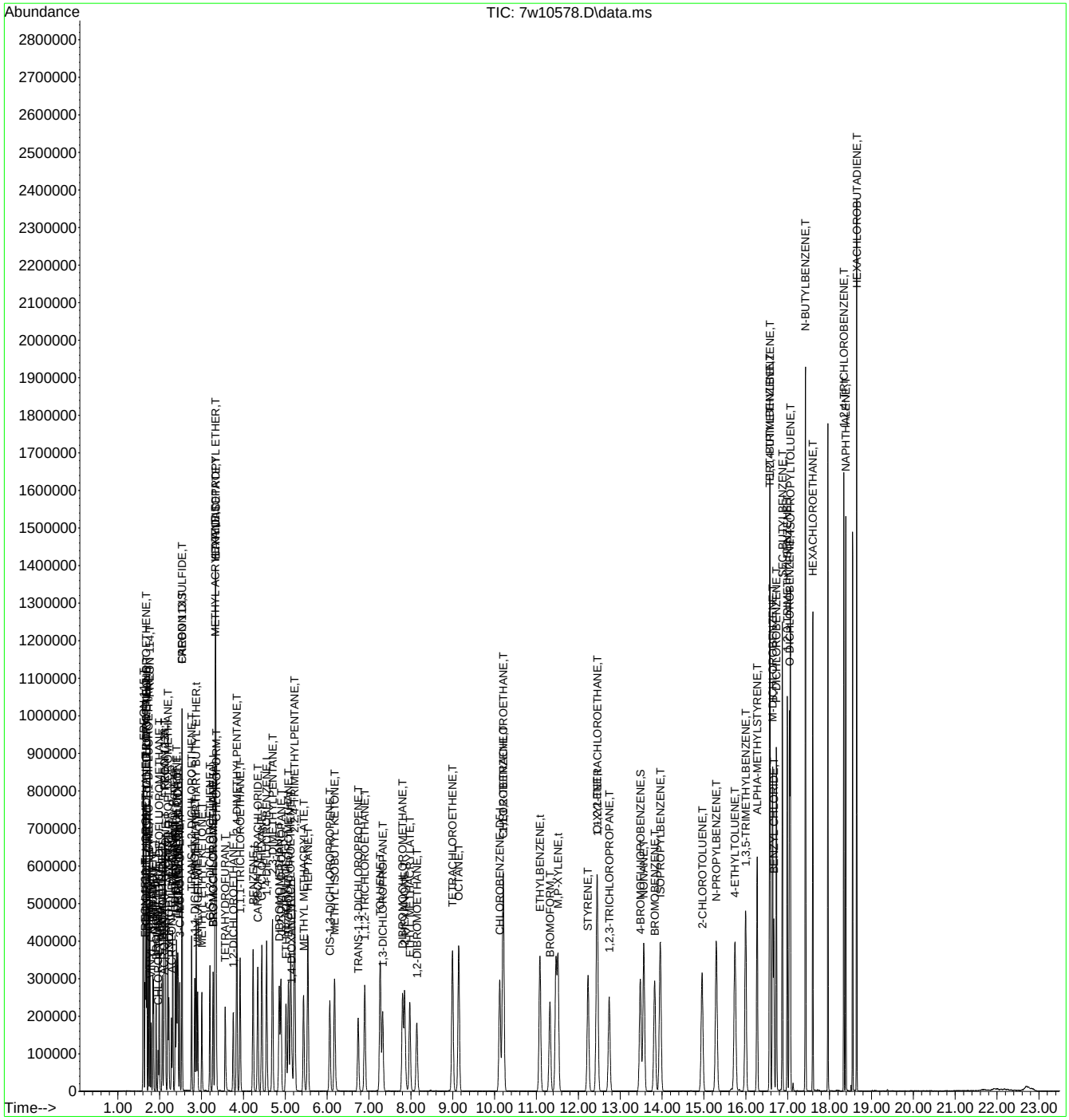
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10578.D
Acq On : 18 Nov 2024 10:46 am
Operator : bkim
Sample : bsd Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:26:23 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V7W392\
Data File : 7w10744.D
Acq On : 25 Nov 2024 9:50 am
Operator : williamc
Sample : bs Inst : MS7W
Misc : MS87372,v7w392,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 20:58:40 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.274	128	72768	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.553	114	382948	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.122	117	316986	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.274	128	72768	10.00	PPBV	0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.479	95	227554	9.79	PPBV	0.00
Target Compounds						Qvalue
2) FREON 115	1.621	119	126184	13.5212	PPBV	96
3) FREON 152A	1.650	65	65524	13.0064	PPBV	93
4) CHLORODIFLUOROMETHANE	1.663	67	28168	11.5945	PPBV	96
5) CHLOROTRIFLUOROETHENE	1.676	116	134871	11.4225	PPBV	86
6) DICHLORODIFLUOROMETHANE	1.692	85	315452	10.8108	PPBV	99
7) PROPYLENE	1.672	41	80877	11.6003	PPBV	99
8) 1-CHLORO-1,1-DIFLUOROE...	1.730	65	265409	10.8638	PPBV	97
9) FREON 114	1.766	85	286696	11.5504	PPBV	97
10) CHLOROMETHANE	1.737	52	39336	10.4080	PPBV	96
11) VINYL CHLORIDE	1.798	62	133813	11.5155	PPBV	100
12) 1,3-BUTADIENE	1.836	54	106307	11.2526	PPBV	94
13) N-BUTANE	1.853	43	187513	10.8686	PPBV	99
14) BROMOMETHANE	1.914	94	98008	10.5475	PPBV	99
15) CHLOROETHANE	1.965	64	66107	11.1080	PPBV	89
16) DICHLOROFLUOROMETHANE	1.988	67	248798	10.9386	PPBV	98
17) ACETONITRILE	2.058	41	104347	9.2366	PPBV	100
18) ACROLEIN	2.097	56	56353	9.9359	PPBV	99
19) FREON 123	2.110	83	246909	10.6830	PPBV	99
20) FREON 123A	2.129	117	139268	10.5046	PPBV	91
21) TRICHLOROFLUOROMETHANE	2.193	101	264243	10.0985	PPBV	99
22) ISOPROPYL ALCOHOL	2.219	45	237293	9.6279	PPBV	99
23) ACETONE	2.139	58	66012	9.8280	PPBV	84
24) PENTANE	2.312	42	126246	10.0840	PPBV	96
25) IODOMETHANE	2.373	142	243976	10.8091	PPBV	96
26) 1,1-DICHLOROETHYLENE	2.399	96	103685	10.6485	PPBV	93
27) CARBON DISULFIDE	2.531	76	312953	11.0286	PPBV	96
28) ETHANOL	1.997	45	68332	10.1469	PPBV	97
29) BROMOETHENE	2.065	106	97120	10.9291	PPBV	98
30) ACRYLONITRILE	2.280	52	90682	9.9263	PPBV	98
31) METHYLENE CHLORIDE	2.435	84	100386	10.0170	PPBV	94
32) 3-CHLOROPROPENE	2.476	76	56068	10.9336	PPBV	88
33) FREON 113	2.531	151	149829	9.7776	PPBV	92
34) TRANS-1,2-DICHLOROETHENE	2.759	96	101879	10.7282	PPBV	96
35) TERTIARY BUTYL ALCOHOL	2.422	59	251712	10.6398	PPBV	98
36) METHYL TERTIARY BUTYL ...	2.869	73	282521	11.8413	PPBV	98
37) TETRAHYDROFURAN	3.560	72	52317	11.5077	PPBV	93
38) HEXANE	3.325	57	212284	10.6888	PPBV	93
39) VINYL ACETATE	2.904	86	25650	11.8096	PPBV	75
40) 1,1-DICHLOROETHANE	2.833	63	218138	12.3272	PPBV	99
41) METHYL ETHYL KETONE	3.004	72	56445	11.6629	PPBV	87
42) CIS-1,2-DICHLOROETHENE	3.197	96	113336	11.2536	PPBV	100
43) DIISOPROPYL ETHER	3.332	59	60997	11.8034	PPBV	81
44) ETHYL ACETATE	3.338	61	43757	11.5288	PPBV	78
45) METHYL ACRYLATE	3.322	55	251871	11.5783	PPBV #	26
46) CHLOROFORM	3.344	83	228066	11.1973	PPBV	97
47) 2,4-DIMETHYLPENTANE	3.840	57	242883	11.4326	PPBV	99
48) 1,1,1-TRICHLOROETHANE	3.920	97	216676	11.6862	PPBV	97
49) CARBON TETRACHLORIDE	4.341	117	217532	11.9524	PPBV	97

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V7W392\
Data File : 7w10744.D
Acq On : 25 Nov 2024 9:50 am
Operator : williamc
Sample : bs Inst : MS7W
Misc : MS87372,v7w392,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 20:58:40 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	3.756	62	169233	10.9554	PPBV		100
51)	BENZENE	4.229	78	331480	11.0585	PPBV		97
53)	CYCLOHEXANE	4.438	84	148223	10.9587	PPBV		99
54)	2,3-DIMETHYLPENTANE	4.692	71	77476	11.1854	PPBV		100
55)	TRICHLOROETHENE	5.126	95	151444	10.3256	PPBV		99
56)	1,2-DICHLOROPROPANE	4.894	63	143500	10.9982	PPBV		96
57)	DIBROMOMETHANE	4.852	174	130402	10.5954	PPBV		95
58)	ETHYL ACRYLATE	5.013	55	303595	10.8388	PPBV		99
59)	BROMODICHLOROMETHANE	5.071	83	247135	10.9801	PPBV		100
60)	2,2,4-TRIMETHYLPENTANE	5.222	57	656851	10.5967	PPBV		98
61)	1,4-DIOXANE	5.148	88	80000	9.9662	PPBV	#	96
62)	HEPTANE	5.537	43	216836	9.9647	PPBV		95
63)	METHYL METHACRYLATE	5.434	69	130131	11.1084	PPBV		93
64)	METHYL ISOBUTYL KETONE	6.174	58	132769	9.9113	PPBV		90
65)	CIS-1,3-DICHLOROPROPENE	6.061	75	200423	11.9861	PPBV		91
66)	TOLUENE	7.264	91	404305	9.9228	PPBV		100
67)	1,3-DICHLOROPROPANE	7.325	76	207925	10.3868	PPBV		100
68)	TRANS-1,3-DICHLOROPROPENE	6.740	75	168558	12.2887	PPBV		90
69)	1,1,2-TRICHLOROETHANE	6.897	83	122608	11.0065	PPBV		98
70)	2-HEXANONE	7.846	58	184199	9.0096	PPBV		91
71)	ETHYL METHACRYLATE	7.971	69	212394	10.9635	PPBV		95
72)	TETRACHLOROETHENE	8.994	164	159732	10.9718	PPBV		97
73)	DIBROMOCHLOROMETHANE	7.798	129	233469	10.9405	PPBV		100
74)	1,2-DIBROMOETHANE	8.138	107	224023	11.4156	PPBV		98
75)	OCTANE	9.138	43	302650	9.2460	PPBV		95
77)	1,1,1,2-TETRACHLOROETHANE	10.212	131	173606	12.7700	PPBV		96
78)	CHLOROBENZENE	10.196	112	332741	10.8440	PPBV		100
79)	ETHYLBENZENE	11.084	91	530999	10.5570	PPBV		96
80)	M,P-XYLENE	11.505	91	818572	20.6032	PPBV		99
81)	O-XYLENE	12.441	91	417664	10.4708	PPBV		98
82)	STYRENE	12.225	104	322768	11.1838	PPBV		98
83)	NONANE	13.563	43	321867	10.2031	PPBV		93
84)	BROMOFORM	11.318	173	204791	11.8723	PPBV		100
85)	1,1,2,2-TETRACHLOROETHANE	12.453	83	325689	11.5921	PPBV		100
86)	1,2,3-TRICHLOROPROPANE	12.740	75	245814	10.8341	PPBV		100
88)	ISOPROPYLBENZENE	13.955	120	164743	10.9038	PPBV		96
89)	BROMOBENZENE	13.820	77	297259	10.3999	PPBV		97
90)	2-CHLOROTOLUENE	14.952	126	147645	10.6596	PPBV		99
91)	N-PROPYLBENZENE	15.296	120	171928	11.0512	PPBV		99
92)	4-ETHYLTOLUENE	15.739	105	606755	11.0157	PPBV		99
93)	1,3,5-TRIMETHYLBENZENE	15.993	105	496783	10.7192	PPBV		97
94)	ALPHA-METHYLSTYRENE	16.270	118	253768	10.3049	PPBV		99
95)	TERT-BUTYLBENZENE	16.569	134	126733	11.4314	PPBV		93
96)	1,2,4-TRIMETHYLBENZENE	16.579	105	525402	10.8484	PPBV		98
97)	BENZYL CHLORIDE	16.669	91	306225	21.7283	PPBV		97
98)	M-DICHLOROBENZENE	16.640	146	349431	10.8111	PPBV		98
99)	P-DICHLOROBENZENE	16.730	146	352985	11.0111	PPBV		98
100)	O-DICHLOROBENZENE	17.045	146	334301	10.8003	PPBV		98
101)	SEC-BUTYLBENZENE	16.874	134	159334	11.4193	PPBV		91
102)	1,2,3-TRIMETHYLBENZENE	16.990	105	507649	10.3532	PPBV		98
103)	P-ISOPROPYLTOLUENE	17.064	134	173553	11.1468	PPBV		93
104)	N-BUTYLBENZENE	17.424	134	175339	11.3453	PPBV		90
105)	HEXACHLOROETHANE	17.604	117	192204	12.8148	PPBV		94
106)	HEXACHLOROBUTADIENE	18.659	225	274155	11.7886	PPBV		99
107)	1,2,4-TRICHLOROBENZENE	18.347	180	340220	10.9802	PPBV		99
108)	NAPHTHALENE	18.395	128	782109	9.6614	PPBV		100
110)	TVHC as equiv Pentane	2.312	TIC	609787	9.6549	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V7W392\
Data File : 7w10744.D
Acq On : 25 Nov 2024 9:50 am
Operator : williamc
Sample : bs Inst : MS7W
Misc : MS87372,v7w392,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 20:58:40 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

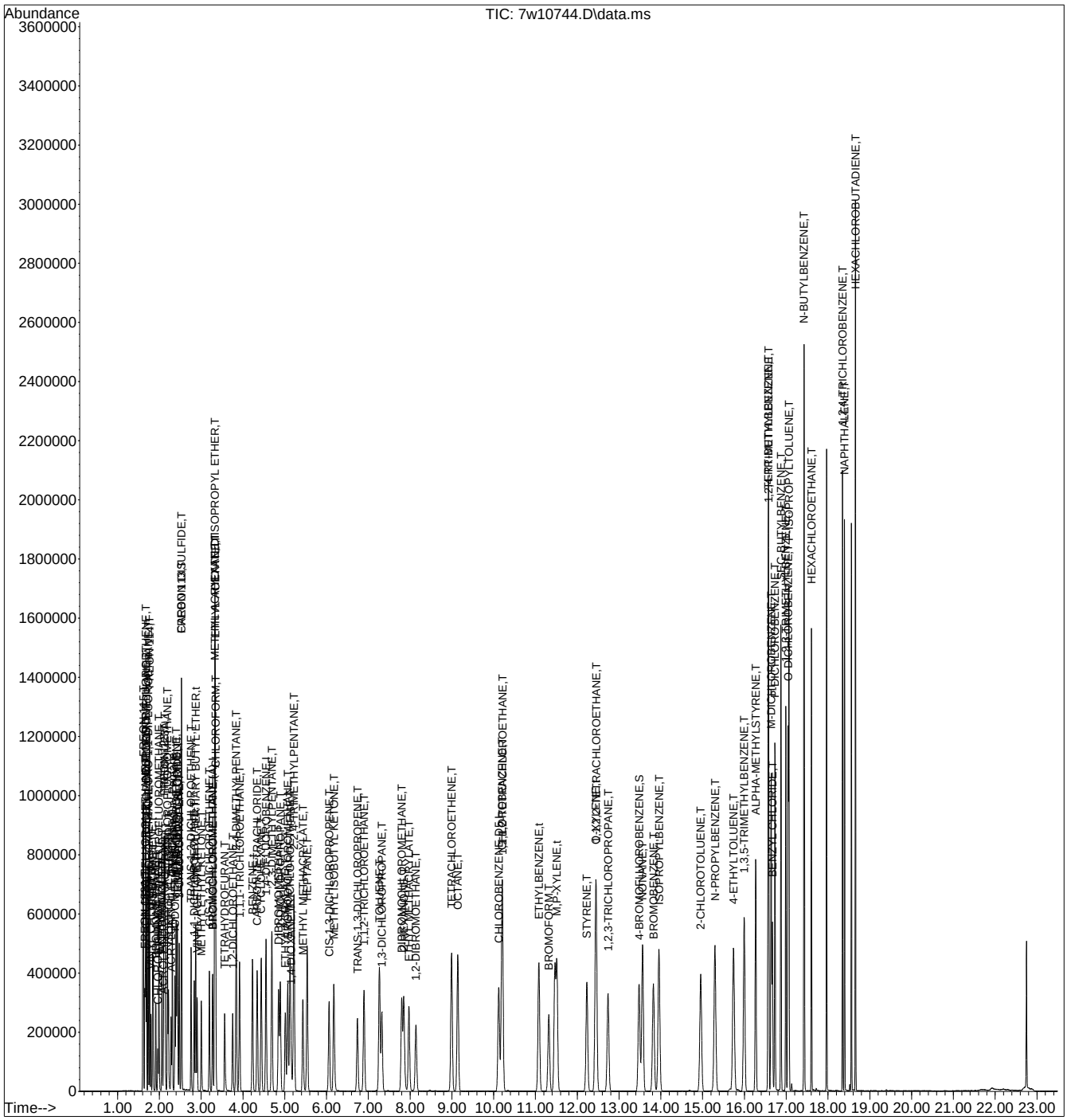
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V7W392\
Data File : 7w10744.D
Acq On : 25 Nov 2024 9:50 am
Operator : williamc
Sample : bs Inst : MS7W
Misc : MS87372,v7w392,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 20:58:40 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 11/25/24 17:07

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V7W392\
Data File : 7w10745.D
Acq On : 25 Nov 2024 10:26 am
Operator : williamc
Sample : bsd Inst : MS7W
Misc : MS87372,v7w392,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 21:30:46 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.274	128	73571	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.553	114	390728	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.122	117	328697	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.274	128	73571	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.476	95	238015	9.87	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.621	119	126767	13.4354	PPBV		97
3) FREON 152A	1.650	65	64072	12.5794	PPBV		94
4) CHLORODIFLUOROMETHANE	1.663	67	27910	11.3629	PPBV		96
5) CHLOROTRIFLUOROETHENE	1.676	116	134953	11.3047	PPBV		85
6) DICHLORODIFLUOROMETHANE	1.692	85	312492	10.5925	PPBV		98
7) PROPYLENE	1.673	41	78101	11.0799	PPBV		99
8) 1-CHLORO-1,1-DIFLUOROE...	1.730	65	261180	10.5740	PPBV		97
9) FREON 114	1.766	85	287471	11.4552	PPBV		97
10) CHLOROMETHANE	1.737	52	37526	9.8207	PPBV		97
11) VINYL CHLORIDE	1.798	62	131592	11.2008	PPBV		99
12) 1,3-BUTADIENE	1.837	54	102140	10.6935	PPBV		95
13) N-BUTANE	1.853	43	182502	10.4627	PPBV		99
14) BROMOMETHANE	1.914	94	96480	10.2698	PPBV		98
15) CHLOROETHANE	1.965	64	64033	10.6421	PPBV		89
16) DICHLOROFLUOROMETHANE	1.988	67	243023	10.5681	PPBV		99
17) ACETONITRILE	2.058	41	102241	8.9514	PPBV		100
18) ACROLEIN	2.097	56	54358	9.4795	PPBV		99
19) FREON 123	2.110	83	246615	10.5538	PPBV		99
20) FREON 123A	2.129	117	140717	10.4980	PPBV		96
21) TRICHLOROFLUOROMETHANE	2.193	101	261134	9.8707	PPBV		100
22) ISOPROPYL ALCOHOL	2.219	45	232396	9.3262	PPBV		99
23) ACETONE	2.139	58	63944	9.4162	PPBV		84
24) PENTANE	2.309	42	121088	9.5664	PPBV		97
25) IODOMETHANE	2.370	142	245857	10.7736	PPBV		96
26) 1,1-DICHLOROETHYLENE	2.399	96	105886	10.7558	PPBV		97
27) CARBON DISULFIDE	2.531	76	305632m	10.6530	PPBV		
28) ETHANOL	1.997	45	64956	9.5403	PPBV		98
29) BROMOETHENE	2.065	106	96391	10.7286	PPBV		98
30) ACRYLONITRILE	2.280	52	88218	9.5512	PPBV		99
31) METHYLENE CHLORIDE	2.435	84	99175	9.7882	PPBV		98
32) 3-CHLOROPROPENE	2.476	76	55651	10.7338	PPBV		90
33) FREON 113	2.531	151	148017	9.5539	PPBV		91
34) TRANS-1,2-DICHLOROETHENE	2.759	96	102117	10.6359	PPBV		96
35) TERTIARY BUTYL ALCOHOL	2.425	59	250941	10.4914	PPBV		98
36) METHYL TERTIARY BUTYL ...	2.872	73	282260	11.7012	PPBV		99
37) TETRAHYDROFURAN	3.563	72	52892	11.5072	PPBV		92
38) HEXANE	3.325	57	213710	10.6432	PPBV		93
39) VINYL ACETATE	2.907	86	24425	11.1229	PPBV		75
40) 1,1-DICHLOROETHANE	2.836	63	214500	11.9893	PPBV		99
41) METHYL ETHYL KETONE	3.004	72	55669	11.3770	PPBV		90
42) CIS-1,2-DICHLOROETHENE	3.197	96	113738	11.1703	PPBV		99
43) DIISOPROPYL ETHER	3.332	59	61300	11.7325	PPBV		83
44) ETHYL ACETATE	3.335	61	43835	11.4233	PPBV		79
45) METHYL ACRYLATE	3.322	55	251911	11.4538	PPBV	#	26
46) CHLOROFORM	3.348	83	225298	10.9406	PPBV		98
47) 2,4-DIMETHYLPENTANE	3.840	57	243275	11.3261	PPBV		99
48) 1,1,1-TRICHLOROETHANE	3.917	97	216349	11.5412	PPBV		97
49) CARBON TETRACHLORIDE	4.341	117	212833	11.5665	PPBV		97

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V7W392\
Data File : 7w10745.D
Acq On : 25 Nov 2024 10:26 am
Operator : williamc
Sample : bsd Inst : MS7W
Misc : MS87372,v7w392,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 21:30:46 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	3.756	62	171263	10.9658	PPBV		99
51)	BENZENE	4.229	78	331521	10.9391	PPBV		97
53)	CYCLOHEXANE	4.438	84	148534	10.7630	PPBV		100
54)	2,3-DIMETHYLPENTANE	4.692	71	78653	11.1293	PPBV		98
55)	TRICHLOROETHENE	5.126	95	150189	10.0361	PPBV		98
56)	1,2-DICHLOROPROPANE	4.894	63	144095	10.8239	PPBV		97
57)	DIBROMOMETHANE	4.852	174	128872	10.2626	PPBV		96
58)	ETHYL ACRYLATE	5.016	55	309191	10.8188	PPBV		99
59)	BROMODICHLOROMETHANE	5.071	83	242598	10.5639	PPBV		100
60)	2,2,4-TRIMETHYLPENTANE	5.219	57	665824	10.5275	PPBV		99
61)	1,4-DIOXANE	5.158	88	85002	10.3785	PPBV	#	94
62)	HEPTANE	5.537	43	220071	9.9119	PPBV		95
63)	METHYL METHACRYLATE	5.438	69	130022	10.8781	PPBV		95
64)	METHYL ISOBUTYL KETONE	6.174	58	133602	9.7749	PPBV		91
65)	CIS-1,3-DICHLOROPROPENE	6.061	75	200690	11.7631	PPBV		91
66)	TOLUENE	7.267	91	403801	9.7131	PPBV		100
67)	1,3-DICHLOROPROPANE	7.325	76	210098	10.2864	PPBV		100
68)	TRANS-1,3-DICHLOROPROPENE	6.740	75	167872	11.9950	PPBV		90
69)	1,1,2-TRICHLOROETHANE	6.897	83	122856	10.8091	PPBV		98
70)	2-HEXANONE	7.849	58	187489	8.9880	PPBV		90
71)	ETHYL METHACRYLATE	7.971	69	216864	10.9714	PPBV		95
72)	TETRACHLOROETHENE	8.991	164	161382	10.8644	PPBV		97
73)	DIBROMOCHLOROMETHANE	7.801	129	232120	10.6607	PPBV		99
74)	1,2-DIBROMOETHANE	8.142	107	224390	11.2066	PPBV		99
75)	OCTANE	9.142	43	305034	9.1333	PPBV		96
77)	1,1,1,2-TETRACHLOROETHANE	10.212	131	173624	12.3163	PPBV		96
78)	CHLOROBENZENE	10.196	112	339775	10.6787	PPBV		100
79)	ETHYLBENZENE	11.081	91	539755	10.3488	PPBV		96
80)	M,P-XYLENE	11.505	91	828409	20.1079	PPBV		99
81)	O-XYLENE	12.441	91	426899	10.3210	PPBV		98
82)	STYRENE	12.232	104	326726	10.9176	PPBV		98
83)	NONANE	13.560	43	327214	10.0030	PPBV		93
84)	BROMOFORM	11.318	173	203920	11.4006	PPBV		100
85)	1,1,2,2-TETRACHLOROETHANE	12.453	83	330684	11.3505	PPBV		100
86)	1,2,3-TRICHLOROPROPANE	12.736	75	247809	10.5329	PPBV		100
88)	ISOPROPYLBENZENE	13.955	120	167761	10.7080	PPBV		96
89)	BROMOBENZENE	13.820	77	300920	10.1529	PPBV		97
90)	2-CHLOROTOLUENE	14.955	126	150937	10.5091	PPBV		100
91)	N-PROPYLBENZENE	15.296	120	175229	10.8621	PPBV		99
92)	4-ETHYLTOLUENE	15.740	105	625538	10.9521	PPBV		99
93)	1,3,5-TRIMETHYLBENZENE	15.997	105	507213	10.5543	PPBV		98
94)	ALPHA-METHYLSTYRENE	16.270	118	260983	10.2203	PPBV		99
95)	TERT-BUTYLBENZENE	16.569	134	127325	11.0757	PPBV		94
96)	1,2,4-TRIMETHYLBENZENE	16.579	105	535071	10.6544	PPBV		98
97)	BENZYL CHLORIDE	16.669	91	309390	21.1707	PPBV		97
98)	M-DICHLOROBENZENE	16.640	146	354409	10.5745	PPBV		98
99)	P-DICHLOROBENZENE	16.733	146	362979	10.9194	PPBV		98
100)	O-DICHLOROBENZENE	17.045	146	338699	10.5525	PPBV		98
101)	SEC-BUTYLBENZENE	16.875	134	162561	11.2355	PPBV		91
102)	1,2,3-TRIMETHYLBENZENE	16.990	105	516830	10.1649	PPBV		98
103)	P-ISOPROPYLTOLUENE	17.064	134	176643	10.9411	PPBV		93
104)	N-BUTYLBENZENE	17.424	134	178412	11.1329	PPBV		91
105)	HEXACHLOROETHANE	17.601	117	196316	12.6226	PPBV		95
106)	HEXACHLOROBUTADIENE	18.656	225	276712	11.4746	PPBV		100
107)	1,2,4-TRICHLOROBENZENE	18.347	180	348894	10.8589	PPBV		99
108)	NAPHTHALENE	18.392	128	804321	9.5818	PPBV		100
110)	TVHC as equiv Pentane	2.312	TIC	591308	9.2601	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V7W392\
Data File : 7w10745.D
Acq On : 25 Nov 2024 10:26 am
Operator : williamc
Sample : bsd Inst : MS7W
Misc : MS87372,v7w392,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 21:30:46 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

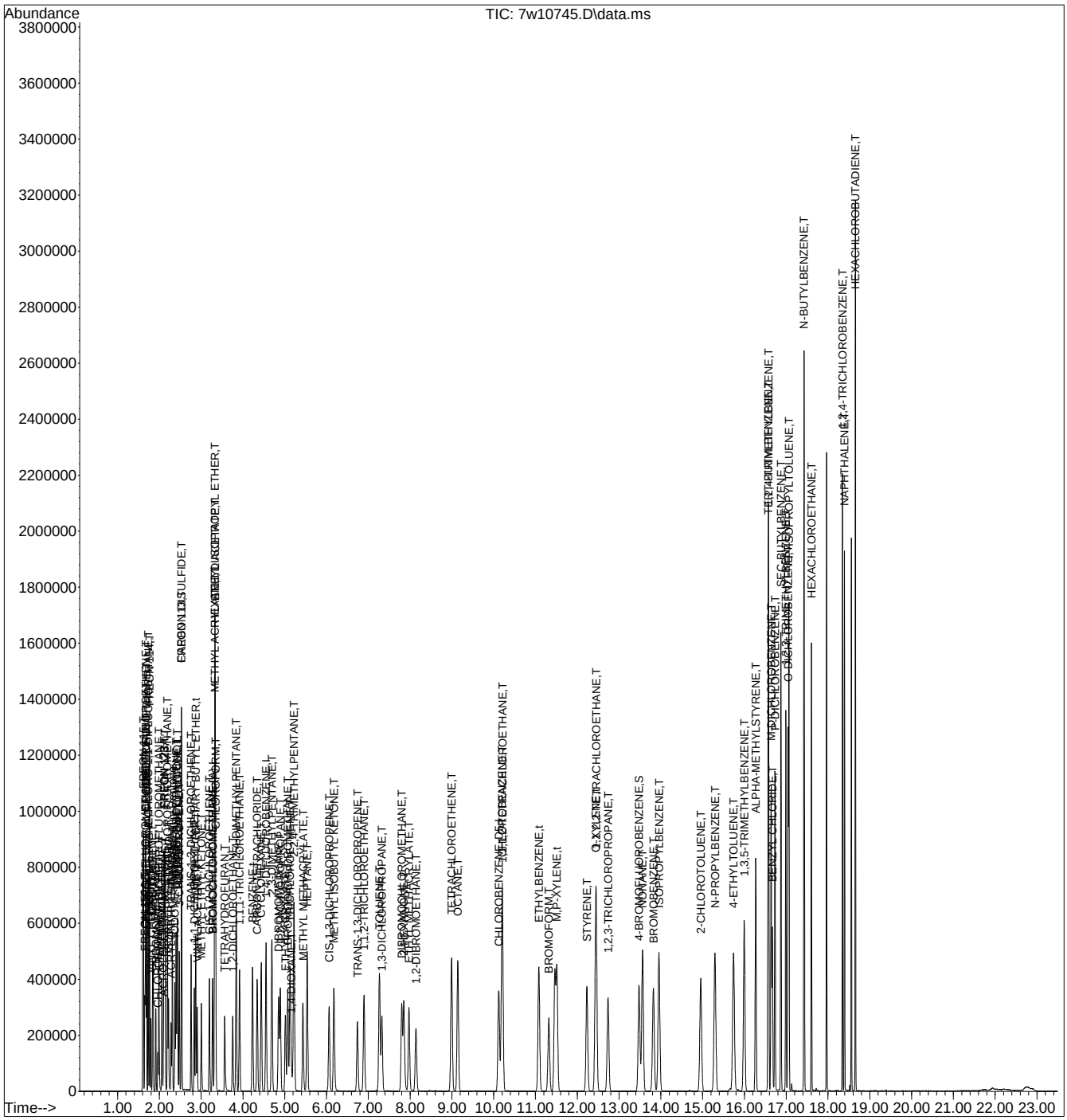
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V7W392\
Data File : 7w10745.D
Acq On : 25 Nov 2024 10:26 am
Operator : williamc
Sample : bsd Inst : MS7W
Misc : MS87372,v7w392,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 21:30:46 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



Manual Integration Approval Summary

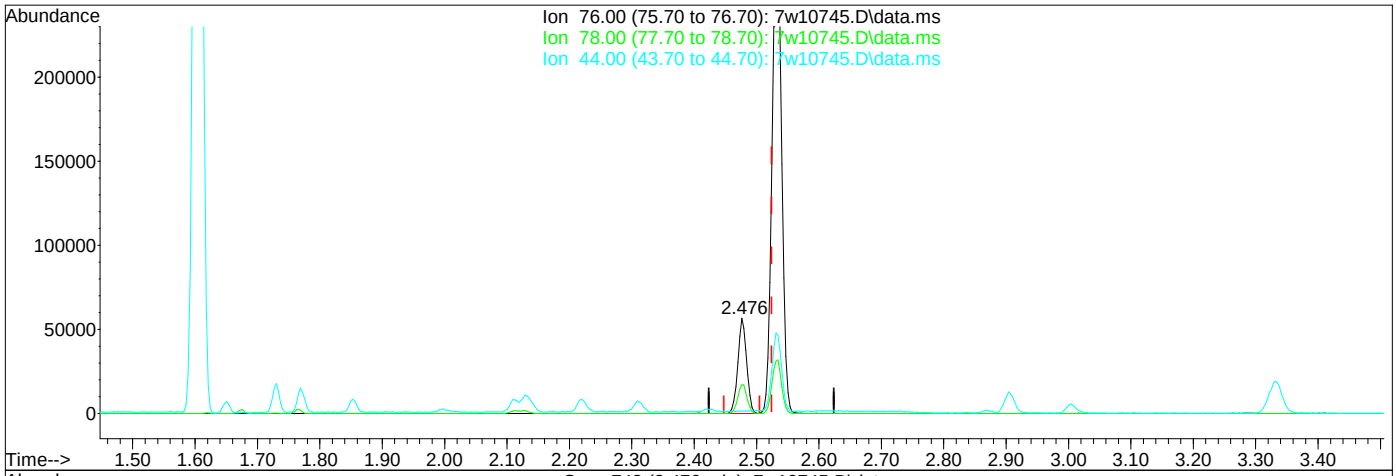
Sample Number: V7W392-BSD
Lab FileID: 7W10745.D
Injection Time: 11/25/24 10:26
Method: TO-15
Analyst approved: 11/25/24 16:53 Geralyn Gomez
Supervisor approved: 11/25/24 17:07 Kanya Veerawat

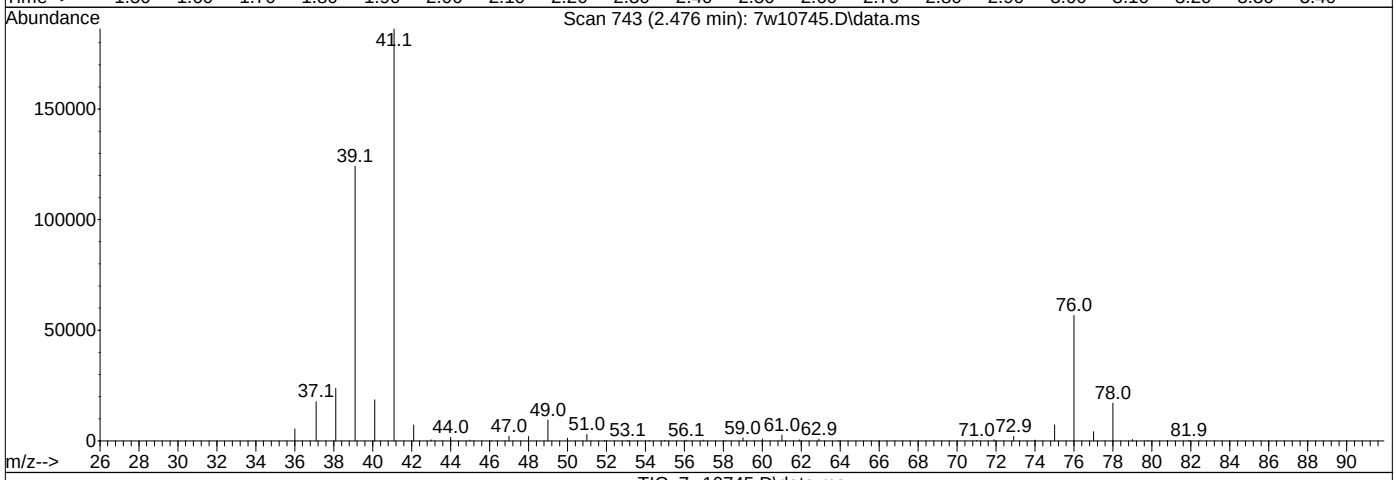
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon disulfide	75-15-0		2.53	Missed peak

Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V7W392\
Data File : 7w10745.D
Acq On : 25 Nov 2024 10:26 am
Operator : williamc
Sample : bsd Inst : MS7W
Misc : MS87372,v7w392,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 20:59:05 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration





TIC: 7w10745.D\data.ms

(27) CARBON DISULFIDE (T)

2.476min (-0.048) 1.94PPBV

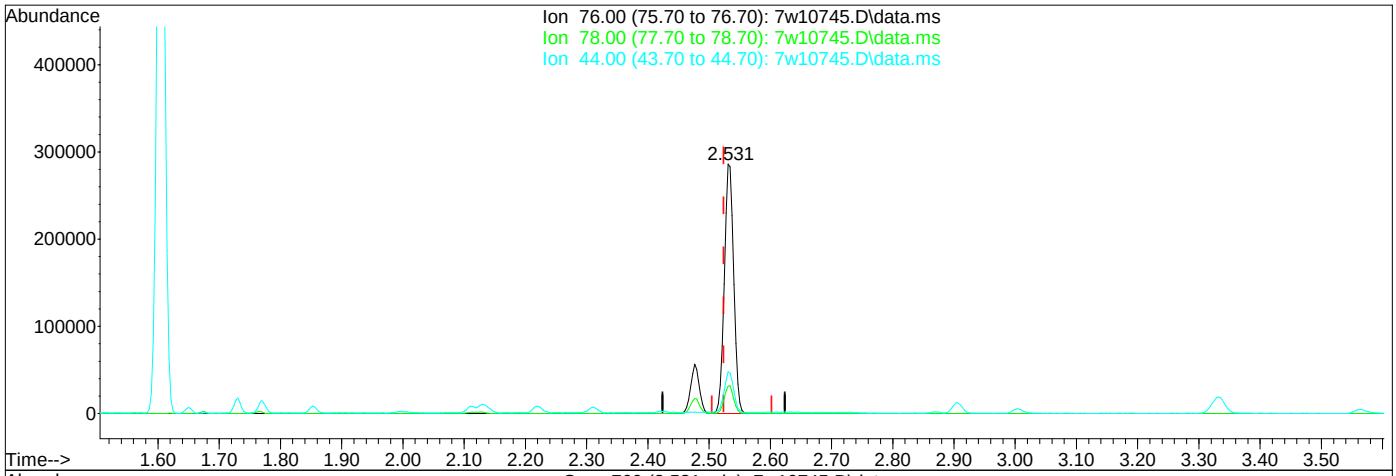
response 55690

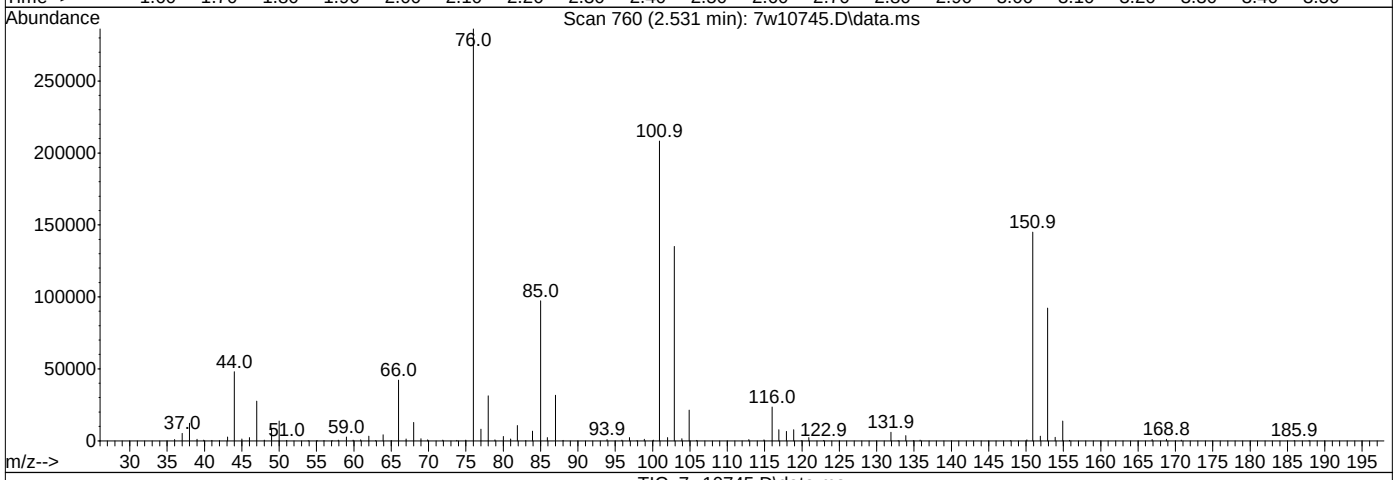
Ion	Exp%	Act%
76.00	100	100
78.00	11.40	32.24#
44.00	19.10	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V7W392\
Data File : 7w10745.D
Acq On : 25 Nov 2024 10:26 am
Operator : williamc
Sample : bsd Inst : MS7W
Misc : MS87372,v7w392,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 20:59:05 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration





TIC: 7w10745.D\data.ms

(27) CARBON DISULFIDE (T)

2.531min (+0.007) 10.65PPBV m

response 305632

Ion	Exp%	Act%
76.00	100	100
78.00	11.40	5.88#
44.00	19.10	0.00#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : R:\MSAIR\Done\2024\December\23 Dec 2024\v5w2136\
Data File : 5w55785.D
Acq On : 20 Dec 2024 7:03 pm
Operator : thomash
Sample : je2665-1dup Inst : GCMS5W
Misc : MS88187,V5W2136,100,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 23 16:07:39 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

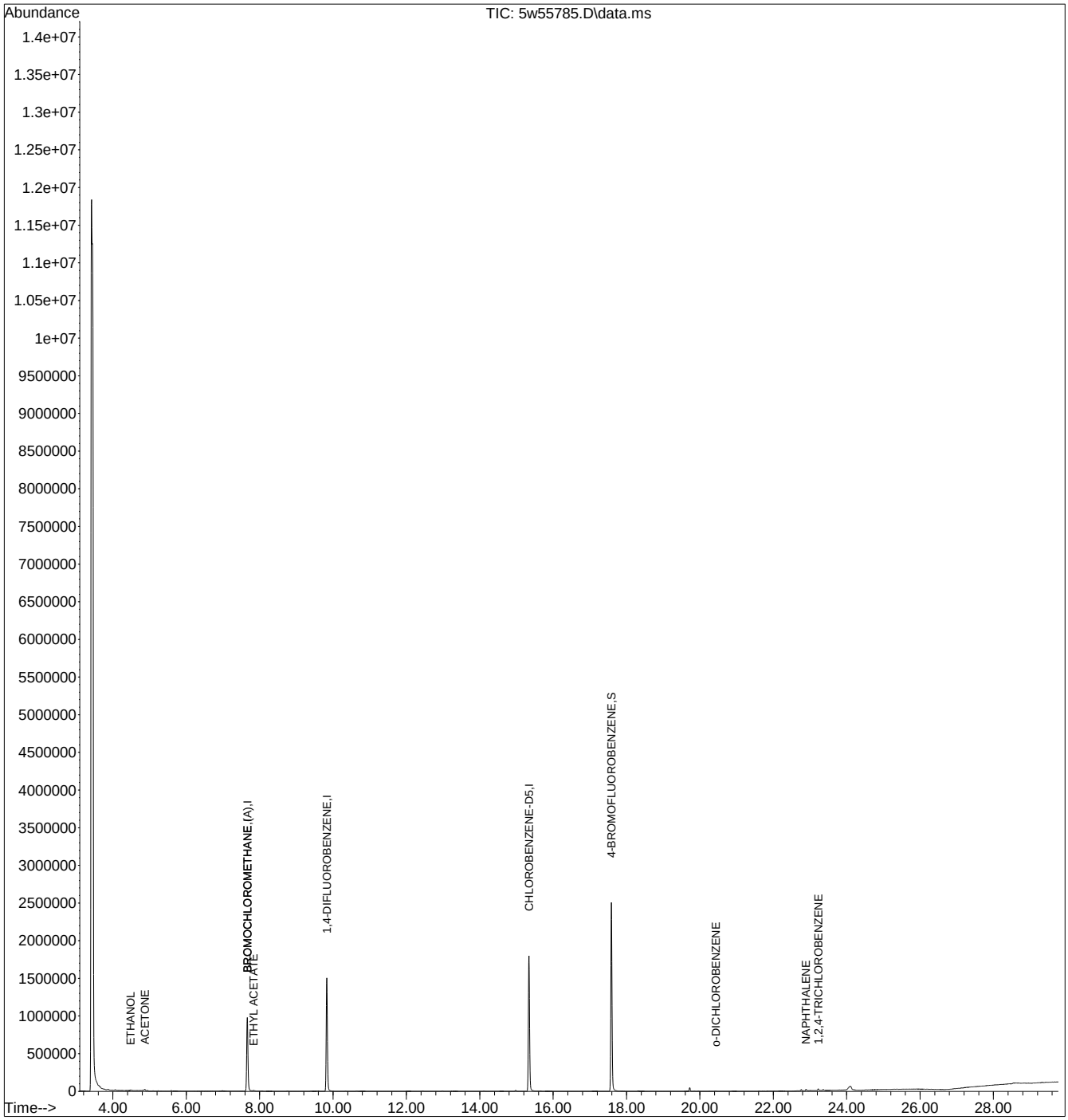
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	7.663	128	276928	10.00	PPBV	0.00
51) 1,4-DIFLUOROBENZENE	9.829	114	1339103	10.00	PPBV	0.00
70) CHLOROBENZENE-D5	15.341	82	728500	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	7.663	128	276928	10.00	PPBV	# 0.00
System Monitoring Compounds						
85) 4-BROMOFLUOROBENZENE	17.586	95	918485	11.27	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 112.70%			
Target Compounds						Qvalue
23) ACETONE	4.867	58	8491	0.3802	PPBV	# 78
28) ETHANOL	4.482	45	11825	0.5445	PPBV	90
44) ETHYL ACETATE	7.834	61	1758	0.1984	PPBV	# 38
103) o-DICHLOROBENZENE	20.430	146	2425	0.0268	PPBV	83
107) 1,2,4-TRICHLOROBENZENE	23.226	180	9413	0.1167	PPBV	92
108) NAPHTHALENE	22.890	128	17643	0.0996	PPBV	95

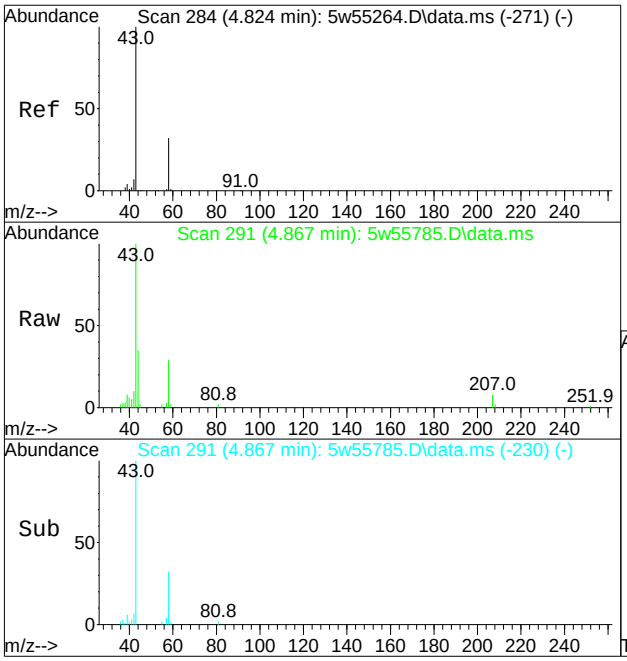
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : R:\MSAIR\Done\2024\December\23 Dec 2024\v5w2136\
Data File : 5w55785.D
Acq On : 20 Dec 2024 7:03 pm
Operator : thomash
Sample : je2665-1dup Inst : GCMS5W
Misc : MS88187,V5W2136,100,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 23 16:07:39 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

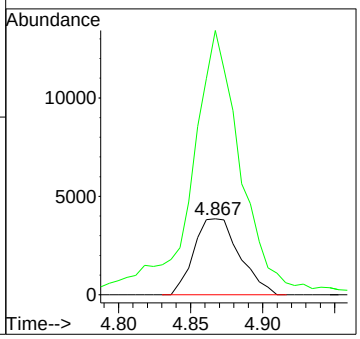


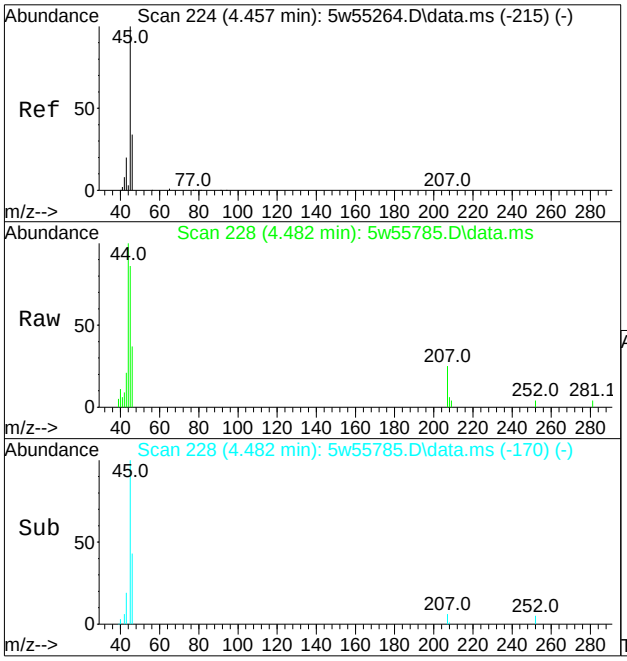


#23
ACETONE
Concen: 0.3802 PPBV
RT: 4.867 min Scan# 291
Delta R.T. 0.043 min
Lab File: 5w55785.D
Acq: 20 Dec 2024 7:03 pm

Tgt Ion: 58 Resp: 8491

Ion	Ratio	Lower	Upper
58	100		
43	389.2	312.3	372.3#

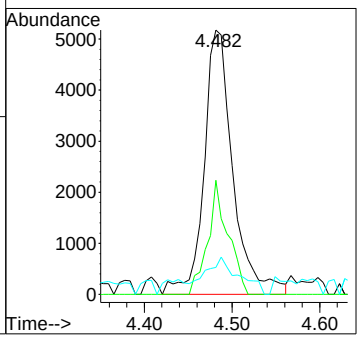


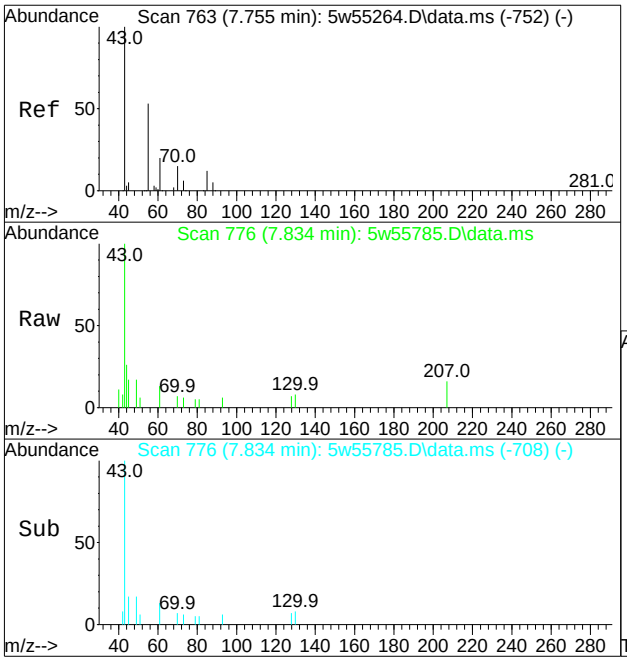


#28
ETHANOL
Concen: 0.5445 PPBV
RT: 4.482 min Scan# 228
Delta R.T. 0.024 min
Lab File: 5w55785.D
Acq: 20 Dec 2024 7:03 pm

Tgt Ion: 45 Resp: 11825

Ion	Ratio	Lower	Upper
45	100		
46	30.2	4.5	64.5
42	16.3	0.0	38.6

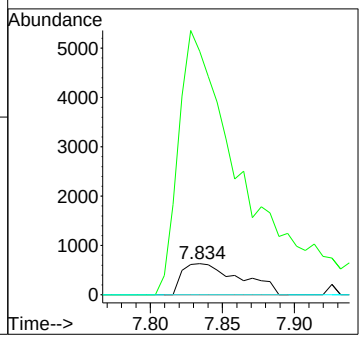


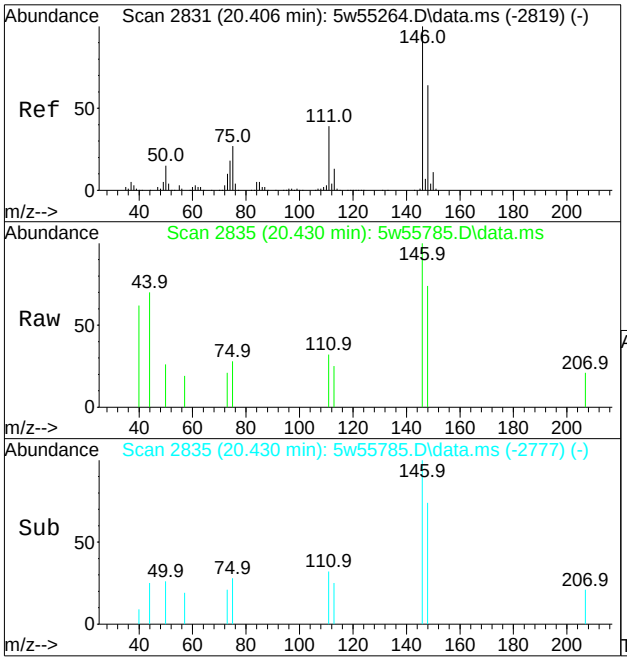


#44
ETHYL ACETATE
Concen: 0.1984 PPBV
RT: 7.834 min Scan# 776
Delta R.T. 0.086 min
Lab File: 5w55785.D
Acq: 20 Dec 2024 7:03 pm

Tgt Ion: 61 Resp: 1758

Ion	Ratio	Lower	Upper
61	100		
43	1032.1	0.0	30.0#
88	0.0	7.3	67.3#

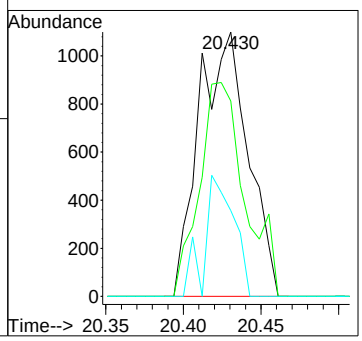


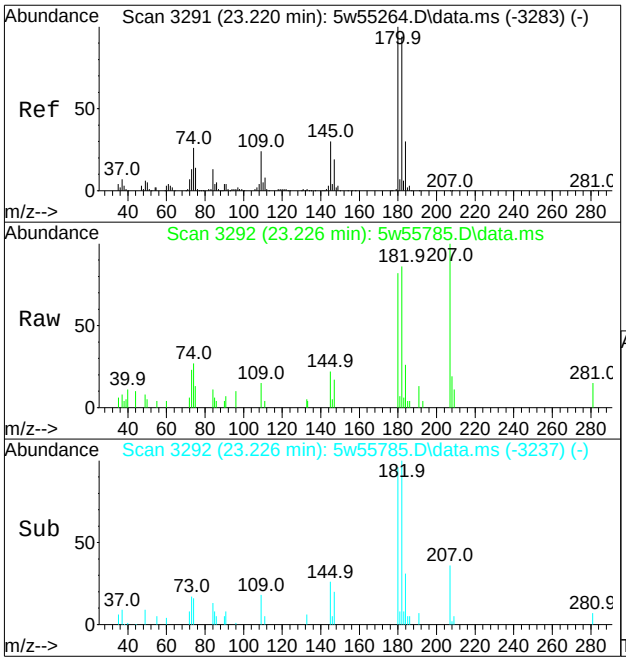


#103
o-DICHLOROBENZENE
Concen: 0.0268 PPBV
RT: 20.430 min Scan# 2835
Delta R.T. 0.024 min
Lab File: 5w55785.D
Acq: 20 Dec 2024 7:03 pm

Tgt Ion:146 Resp: 2425

Ion	Ratio	Lower	Upper
146	100		
148	74.4	33.8	93.8
111	27.3	11.3	71.3

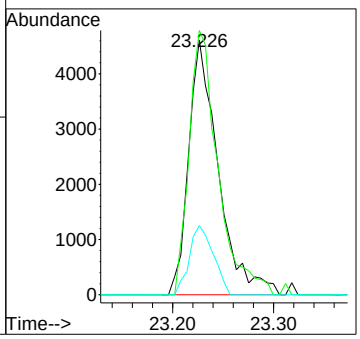


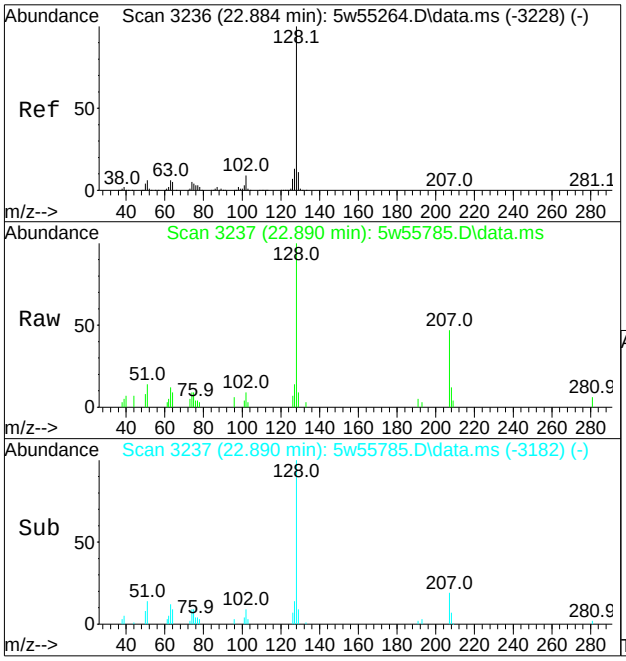


#107
1,2,4-TRICHLOROBENZENE
Concen: 0.1167 PPBV
RT: 23.226 min Scan# 3292
Delta R.T. 0.006 min
Lab File: 5w55785.D
Acq: 20 Dec 2024 7:03 pm

Tgt Ion:180 Resp: 9413

Ion	Ratio	Lower	Upper
180	100		
182	101.6	66.4	126.4
145	22.0	0.2	60.2

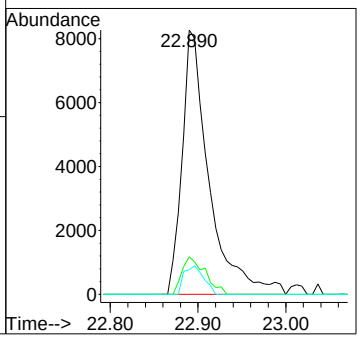




#108
NAPHTHALENE
Concen: 0.0996 PPBV
RT: 22.890 min Scan# 3237
Delta R.T. 0.006 min
Lab File: 5w55785.D
Acq: 20 Dec 2024 7:03 pm

Tgt Ion:128 Resp: 17643

Ion	Ratio	Lower	Upper
128	100		
127	12.2	0.0	43.1
129	7.9	0.0	41.1



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\122424\v5w2138\
Data File : 5w55826.D
Acq On : 23 Dec 2024 4:11 pm
Operator : thomash
Sample : je2315-1dup Inst : GCMS5W
Misc : MS88014,V5W2138,400,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 24 16:52:01 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

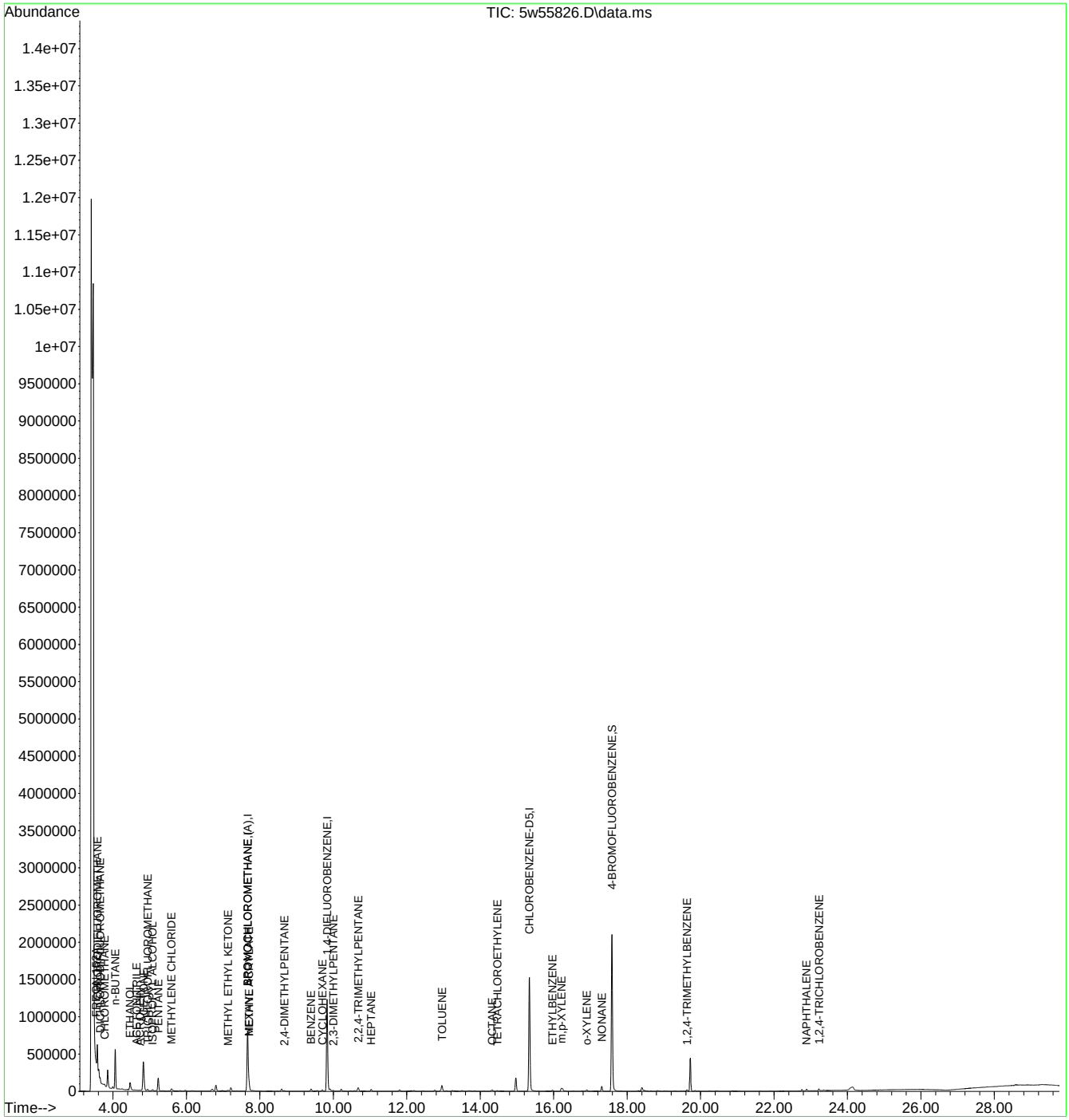
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	7.663	128	217553	10.00	PPBV	0.00
51) 1,4-DIFLUOROBENZENE	9.828	114	1077292	10.00	PPBV	0.00
70) CHLOROBENZENE-D5	15.334	82	621263	10.00	PPBV	-0.01
109) BROMOCHLOROMETHANE (A)	7.663	128	217553	10.00	PPBV	# 0.00
System Monitoring Compounds						
85) 4-BROMOFLUOROBENZENE	17.586	95	760224	10.93	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 109.30%			
Target Compounds						Qvalue
3) FREON 152A	3.539	65	17612	1.0942	PPBV #	43
4) CHLORODIFLUOROMETHANE	3.570	67	70935	8.4993	PPBV	99
6) DICHLORODIFLUOROMETHANE	3.650	85	33315	0.4190	PPBV	99
10) CHLOROMETHANE	3.772	52	4470	0.4360	PPBV #	81
13) n-BUTANE	4.059	43	439213	9.4501	PPBV #	94
17) ACETONITRILE	4.635	41	3723	0.1387	PPBV #	70
18) ACROLEIN	4.732	56	1588	0.1355	PPBV #	50
21) TRICHLOROFLUOROMETHANE	4.940	101	17117	0.2330	PPBV	98
22) ISOPROPYL ALCOHOL	5.075	45	24215	0.5202	PPBV	88
23) ACETONE	4.836	58	63014	3.5913	PPBV #	12
24) PENTANE	5.234	42	77918	3.3694	PPBV	97
28) ETHANOL	4.463	45	128568	7.5359	PPBV	99
31) METHYLENE CHLORIDE	5.589	84	13335	0.5844	PPBV	96
38) HEXANE	7.706	57	46133	1.3534	PPBV	84
41) METHYL ETHYL KETONE	7.124	72	5405	0.5728	PPBV	88
45) METHYL ACRYLATE	7.706	55	5623	0.1357	PPBV #	56
47) 2,4-DIMETHYLPENTANE	8.666	57	3784	0.1015	PPBV	88
52) BENZENE	9.394	78	32183	0.4122	PPBV	99
53) CYCLOHEXANE	9.700	84	7334	0.2500	PPBV	95
54) 2,3-DIMETHYLPENTANE	9.994	71	2176	0.1374	PPBV #	86
60) 2,2,4-TRIMETHYLPENTANE	10.679	57	42861	0.3615	PPBV	85
62) HEPTANE	11.028	43	12558	0.3032	PPBV	91
66) TOLUENE	12.961	92	40482	0.7412	PPBV	99
73) TETRACHLOROETHYLENE	14.472	164	2473	0.0609	PPBV	86
76) OCTANE	14.325	43	19766	0.3622	PPBV #	55
79) ETHYLBENZENE	15.964	91	15737	0.1374	PPBV	92
80) m,p-XYLENE	16.209	106	24925	0.5735	PPBV	98
81) o-XYLENE	16.901	106	6839	0.1621	PPBV	88
83) NONANE	17.310	43	31896	0.5601	PPBV	99
96) 1,2,4-TRIMETHYLBENZENE	19.629	105	11668	0.1080	PPBV #	40
107) 1,2,4-TRICHLOROBENZENE	23.226	180	9822	0.1428	PPBV	95
108) NAPHTHALENE	22.884	128	19361	0.1282	PPBV	97

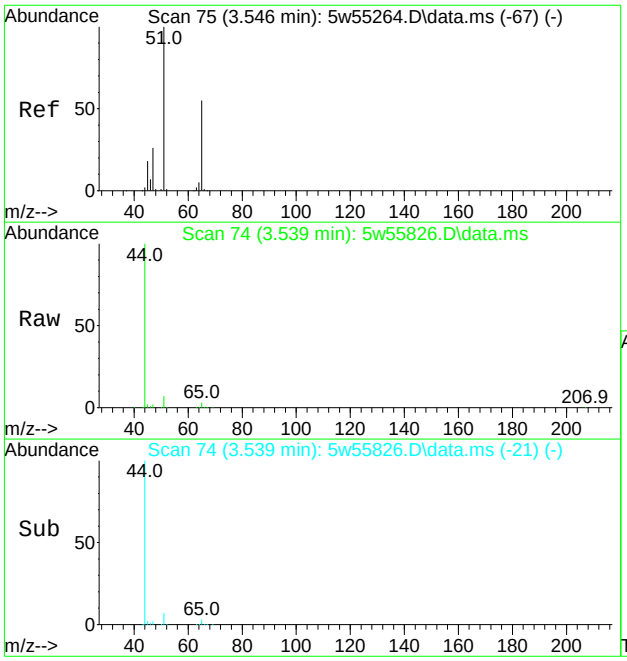
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\122424\v5w2138\
Data File : 5w55826.D
Acq On : 23 Dec 2024 4:11 pm
Operator : thomash
Sample : je2315-1dup Inst : GCMS5W
Misc : MS88014,V5W2138,400,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 24 16:52:01 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

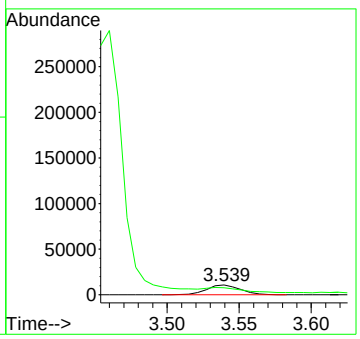


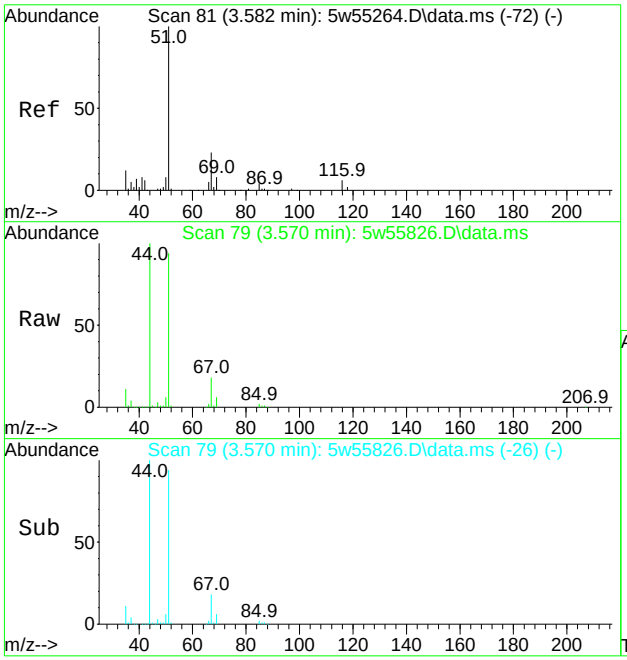


#3
FREON 152A
Concen: 1.0942 PPBV
RT: 3.539 min Scan# 74
Delta R.T. -0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 65 Resp: 17612

Ion	Ratio	Lower	Upper
65	100		
45	0.0	1.8	61.8#

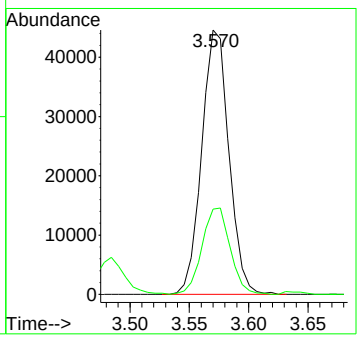


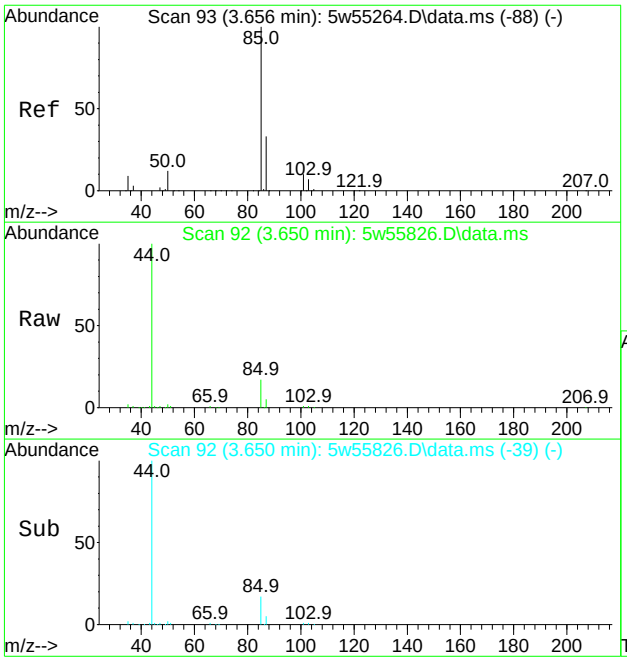


#4
CHLORODIFLUOROMETHANE
Concen: 8.4993 PPBV
RT: 3.570 min Scan# 79
Delta R.T. -0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 67 Resp: 70935

Ion	Ratio	Lower	Upper
67	100		
69	32.3	2.9	62.9

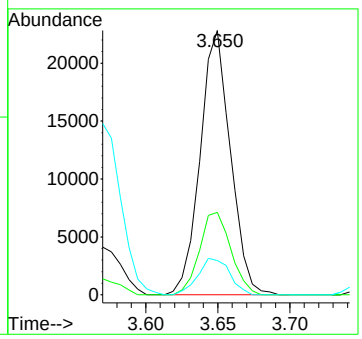


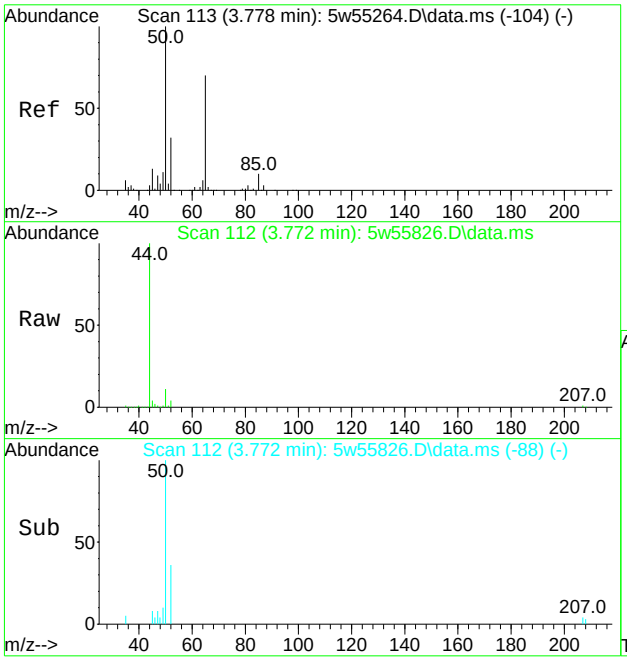


#6
DICHLORODIFLUOROMETHANE
Concen: 0.4190 PPBV
RT: 3.650 min Scan# 92
Delta R.T. -0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 85 Resp: 33315

Ion	Ratio	Lower	Upper
85	100		
87	32.3	2.6	62.6
50	14.5	0.0	43.0

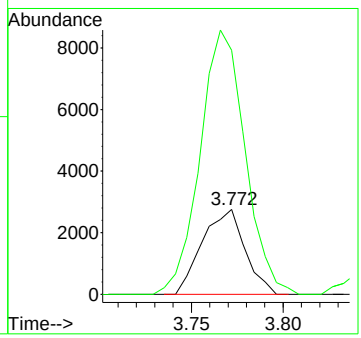


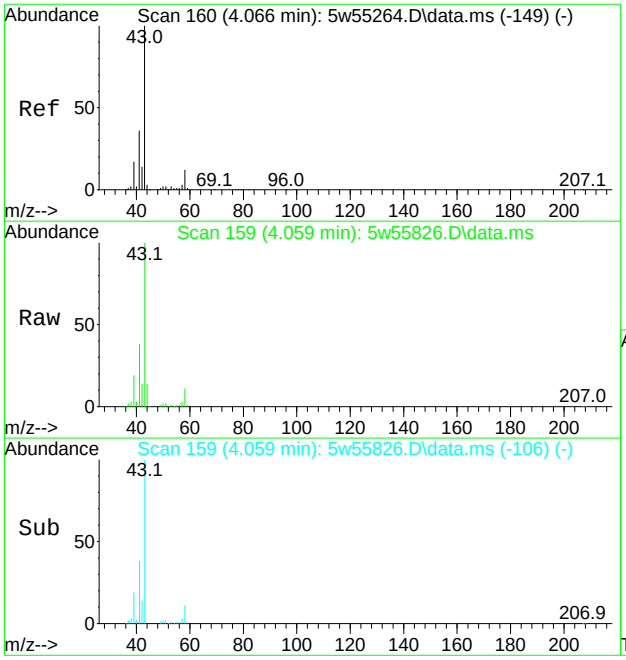


#10
CHLOROMETHANE
Concen: 0.4360 PPBV
RT: 3.772 min Scan# 112
Delta R.T. -0.000 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 52 Resp: 4470

Ion	Ratio	Lower	Upper
52	100		
50	278.9	287.9	347.9#

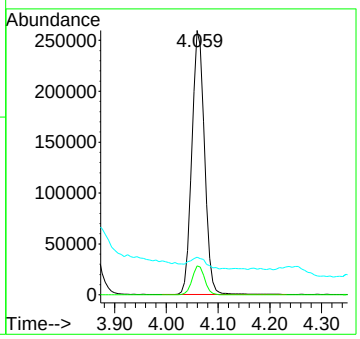


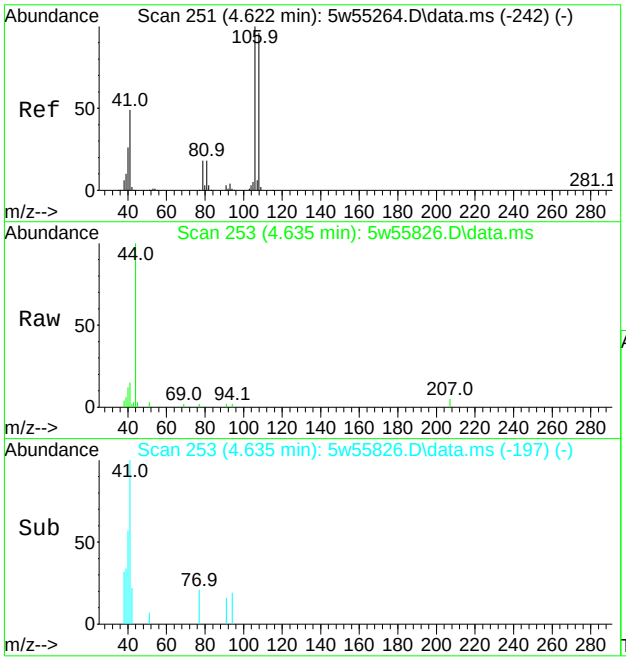


#13
n-BUTANE
Concen: 9.4501 PPBV
RT: 4.059 min Scan# 159
Delta R.T. -0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 43 Resp: 439213

Ion	Ratio	Lower	Upper
43	100		
58	10.8	0.0	41.6
44	0.0	0.0	34.7

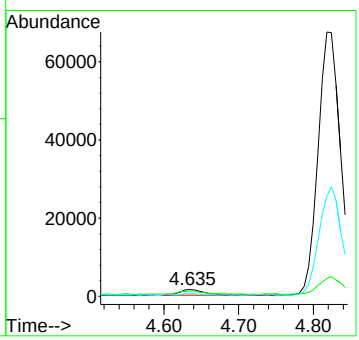


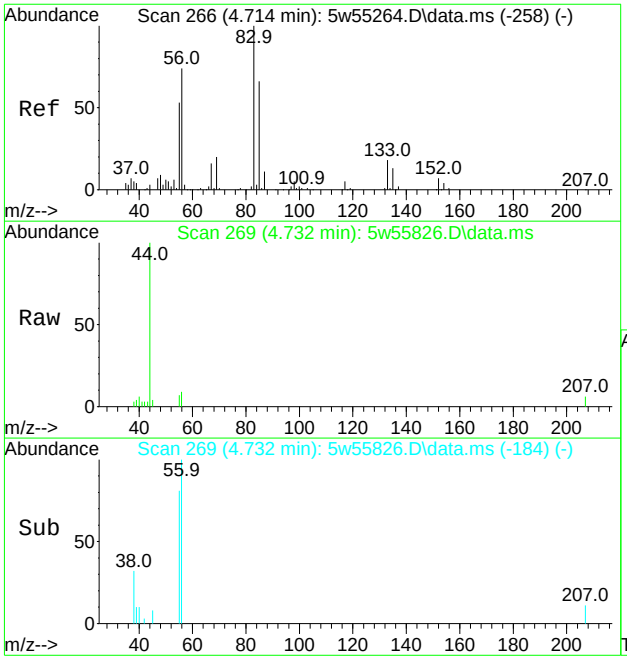


#17
ACETONITRILE
Concen: 0.1387 PPBV
RT: 4.635 min Scan# 253
Delta R.T. 0.012 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 41 Resp: 3723

Ion	Ratio	Lower	Upper
41	100		
40	80.2	38.4	71.4#
39	27.1	13.7	25.5#

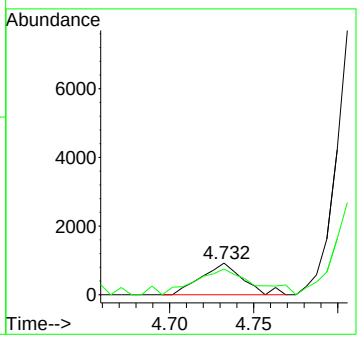


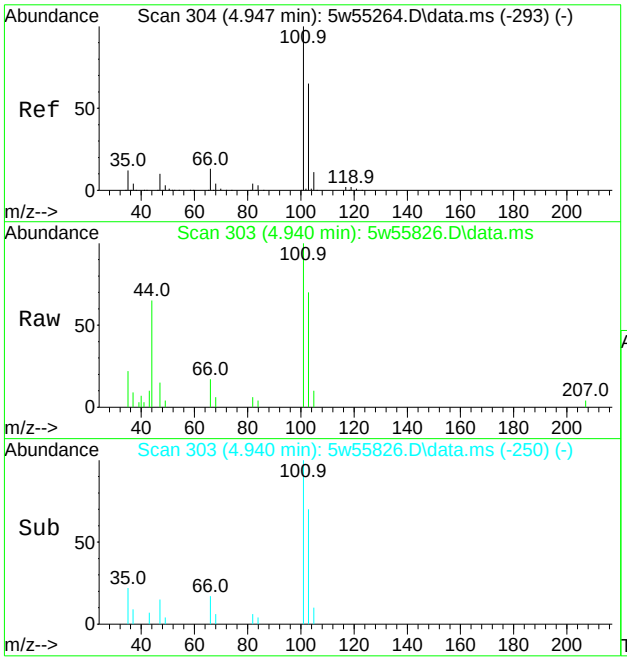


#18
ACROLEIN
Concen: 0.1355 PPBV
RT: 4.732 min Scan# 269
Delta R.T. 0.018 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 56 Resp: 1588

Ion	Ratio	Lower	Upper
56	100		
55	112.4	49.8	92.6#

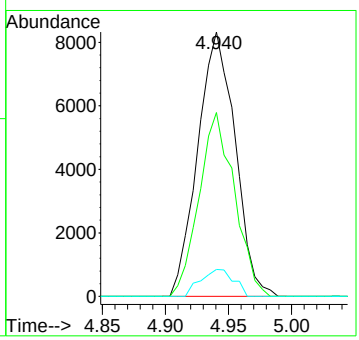


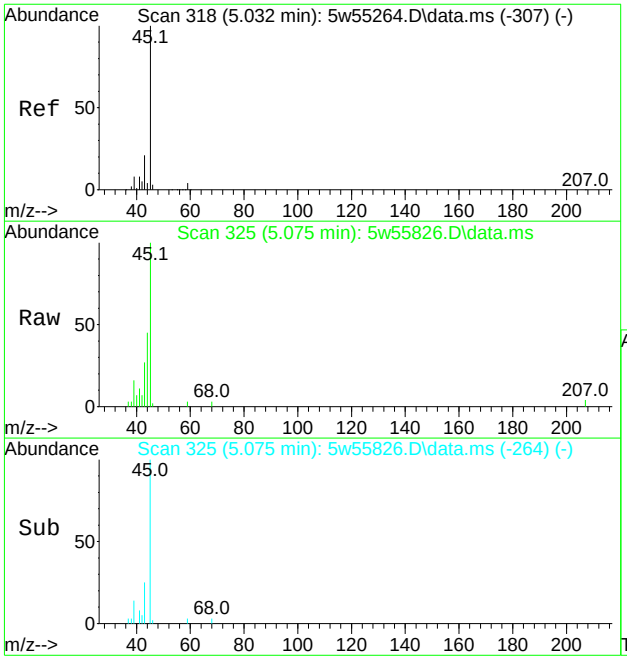


#21
TRICHLOROFLUOROMETHANE
Concen: 0.2330 PPBV
RT: 4.940 min Scan# 303
Delta R.T. -0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion:101 Resp: 17117

Ion	Ratio	Lower	Upper
101	100		
103	65.9	34.7	94.7
105	9.1	0.0	40.5

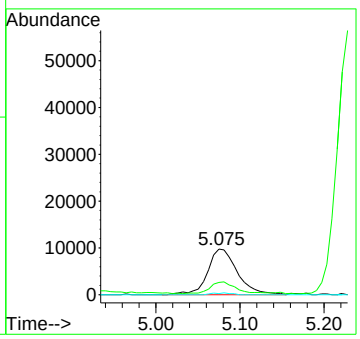


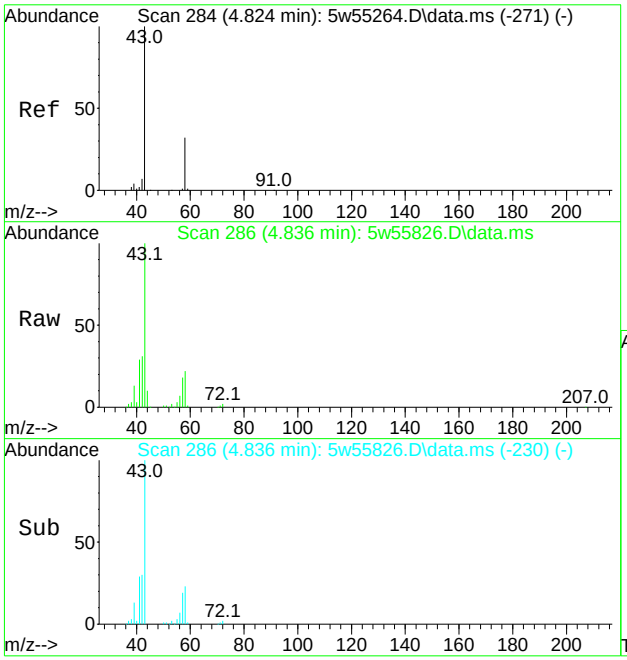


#22
ISOPROPYL ALCOHOL
Concen: 0.5202 PPBV
RT: 5.075 min Scan# 325
Delta R.T. 0.043 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 45 Resp: 24215

Ion	Ratio	Lower	Upper
45	100		
43	27.1	0.0	50.8
59	2.7	0.0	33.8

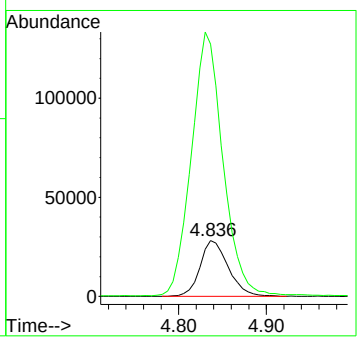


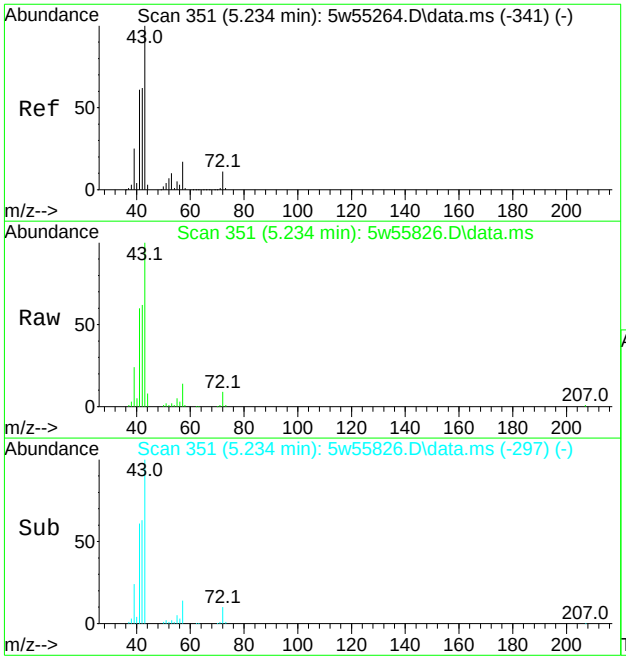


#23
ACETONE
Concen: 3.5913 PPBV
RT: 4.836 min Scan# 286
Delta R.T. 0.012 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 58 Resp: 63014

Ion	Ratio	Lower	Upper
58	100		
43	530.6	312.3	372.3#

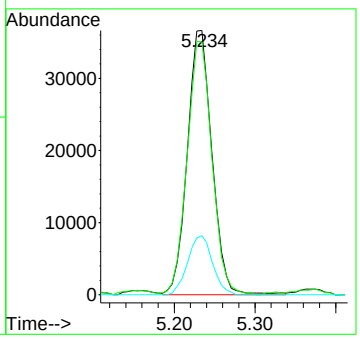


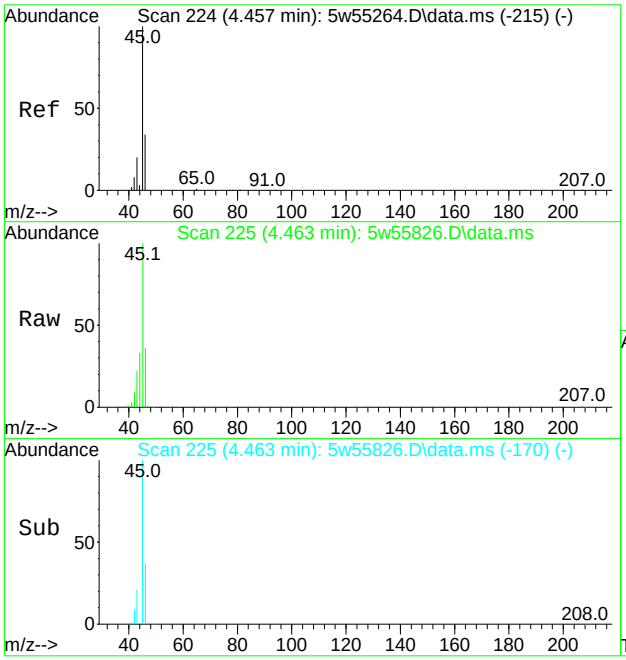


#24
PENTANE
Concen: 3.3694 PPBV
RT: 5.234 min Scan# 351
Delta R.T. -0.000 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 42 Resp: 77918

Ion	Ratio	Lower	Upper
42	100		
41	96.8	64.4	124.4
57	22.4	0.0	55.0

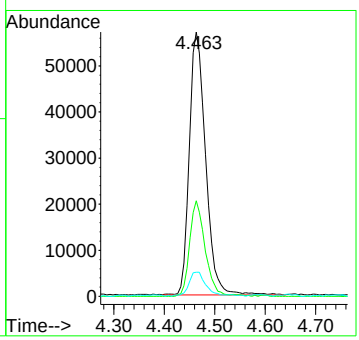


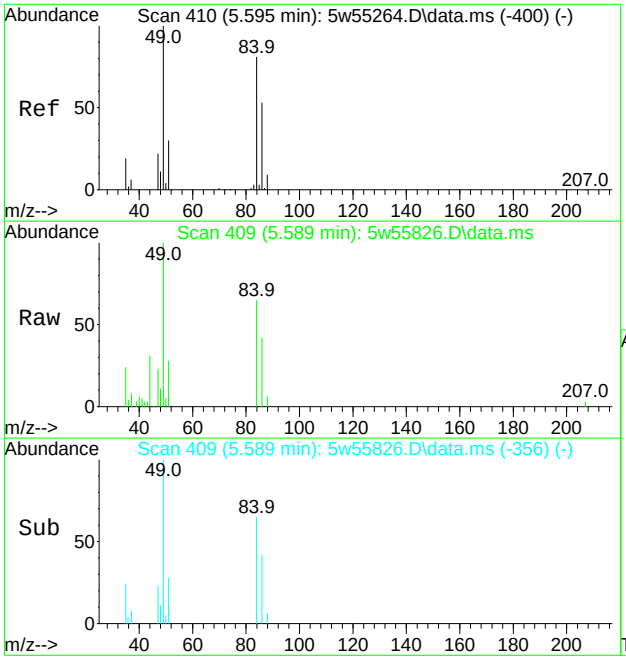


#28
ETHANOL
Concen: 7.5359 PPBV
RT: 4.463 min Scan# 225
Delta R.T. 0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 45 Resp: 128568

Ion	Ratio	Lower	Upper
45	100		
46	34.7	4.5	64.5
42	10.1	0.0	38.6

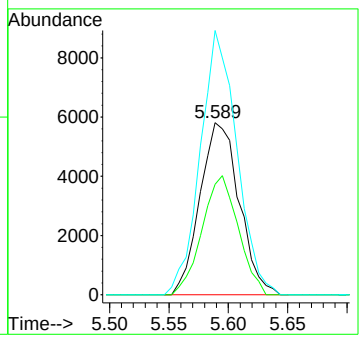


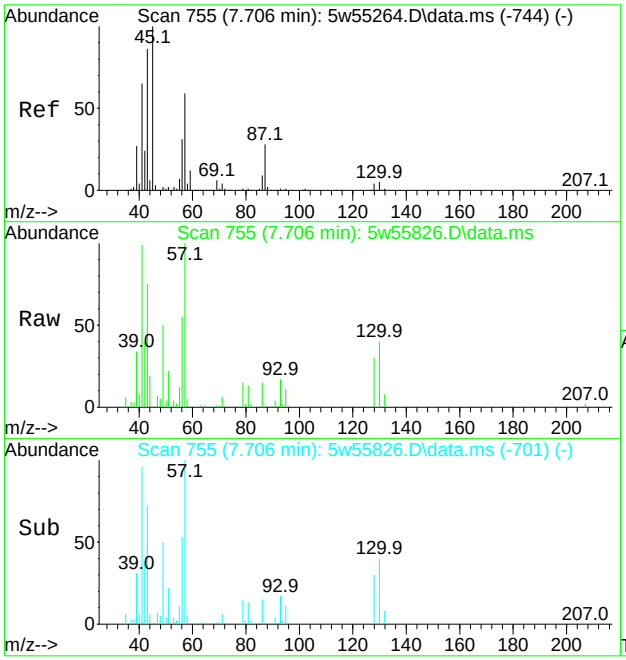


#31
METHYLENE CHLORIDE
Concen: 0.5844 PPBV
RT: 5.589 min Scan# 409
Delta R.T. -0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 84 Resp: 13335

Ion	Ratio	Lower	Upper
84	100		
86	63.7	34.0	94.0
49	143.0	105.8	165.8

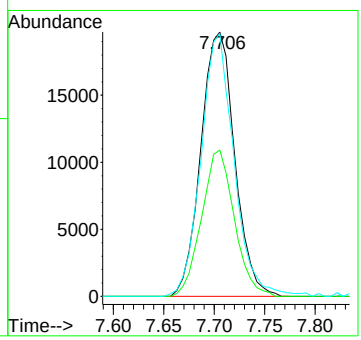


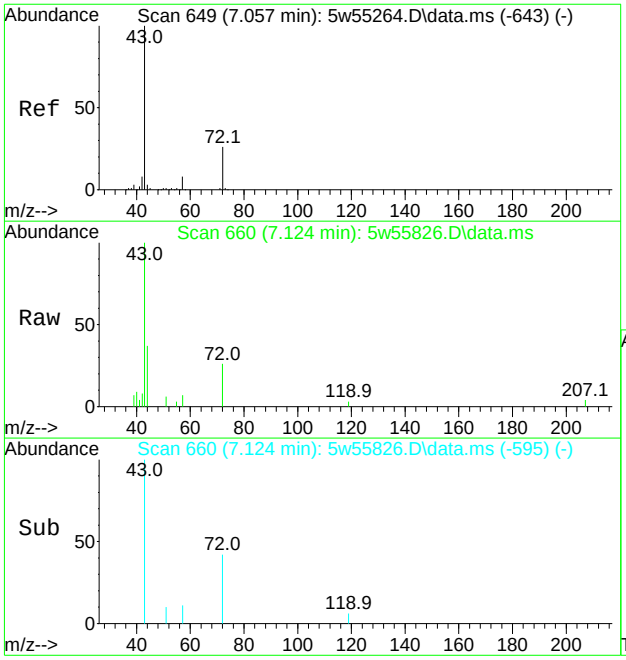


#38
HEXANE
Concen: 1.3534 PPBV
RT: 7.706 min Scan# 755
Delta R.T. -0.000 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 57 Resp: 46133

Ion	Ratio	Lower	Upper
57	100		
56	53.4	24.2	84.2
41	97.1	92.1	152.1

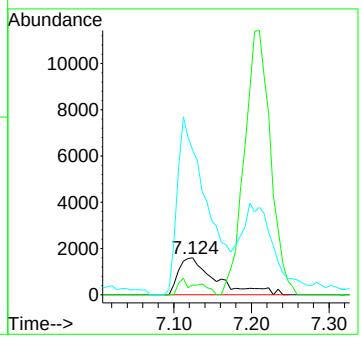


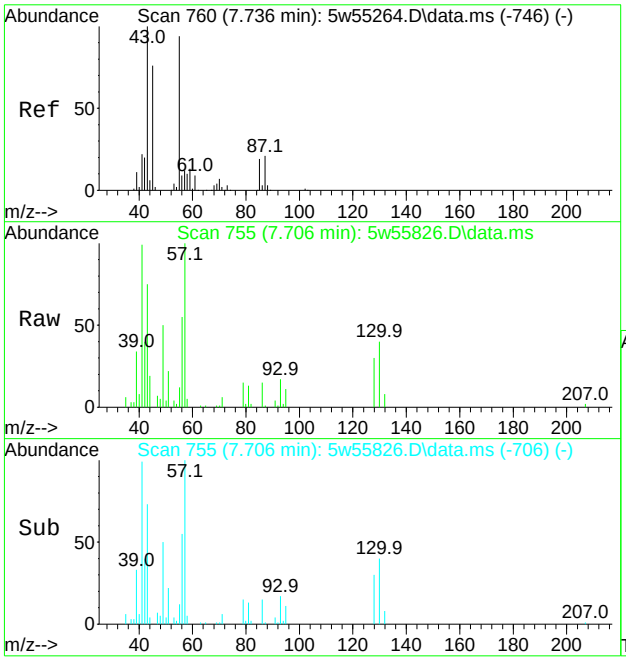


#41
METHYL ETHYL KETONE
Concen: 0.5728 PPBV
RT: 7.124 min Scan# 660
Delta R.T. 0.067 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 72 Resp: 5405

Ion	Ratio	Lower	Upper
72	100		
57	26.9	1.1	61.1
43	390.7	390.6	450.6

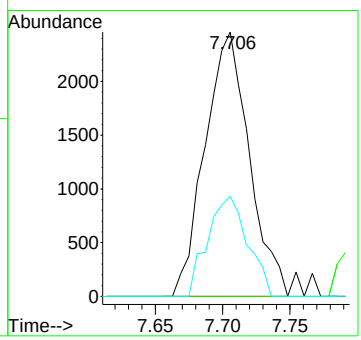


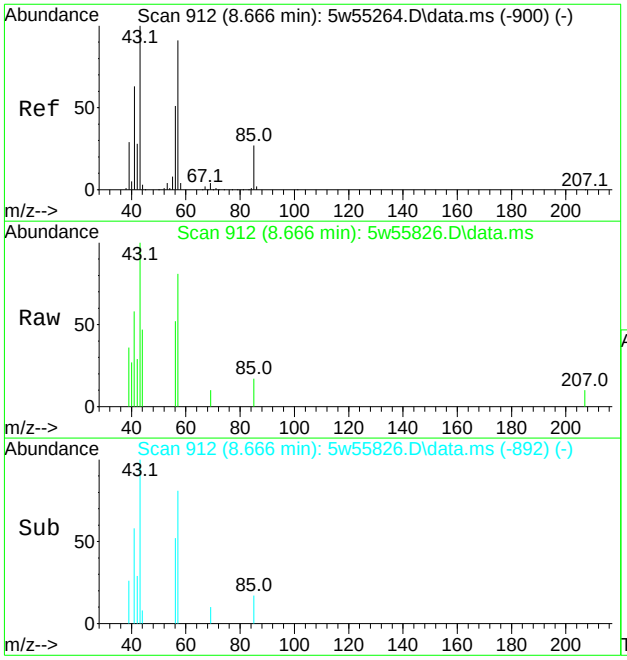


#45
METHYL ACRYLATE
Concen: 0.1357 PPBV
RT: 7.706 min Scan# 755
Delta R.T. -0.031 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 55 Resp: 5623

Ion	Ratio	Lower	Upper
55	100		
85	0.0	11.4	21.2#
58	34.2	9.7	17.9#

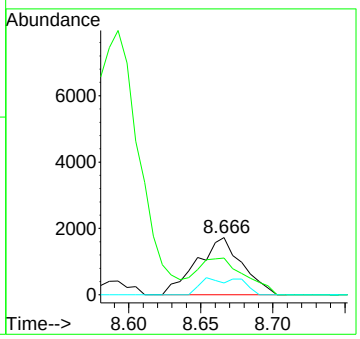


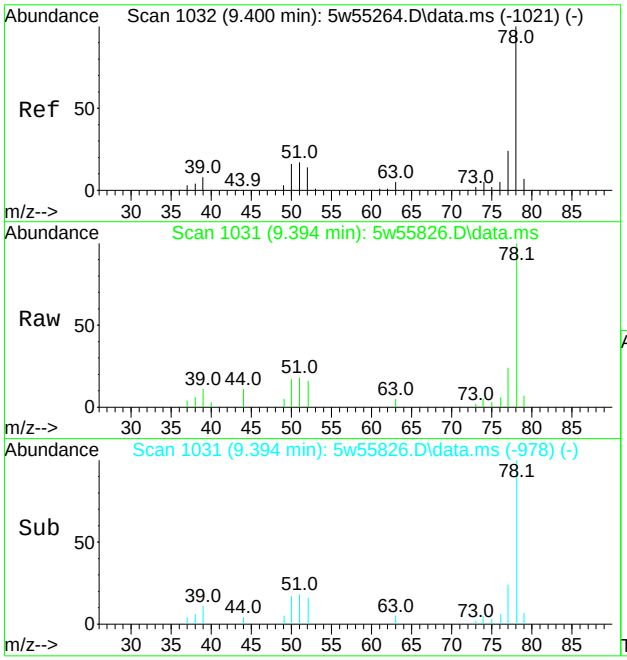


#47
2,4-DIMETHYLPENTANE
Concen: 0.1015 PPBV
RT: 8.666 min Scan# 912
Delta R.T. -0.000 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 57 Resp: 3784

Ion	Ratio	Lower	Upper
57	100		
56	69.1	26.4	86.4
85	26.3	0.0	56.0

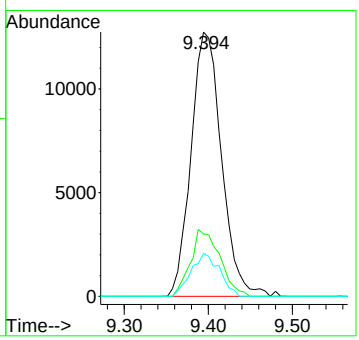


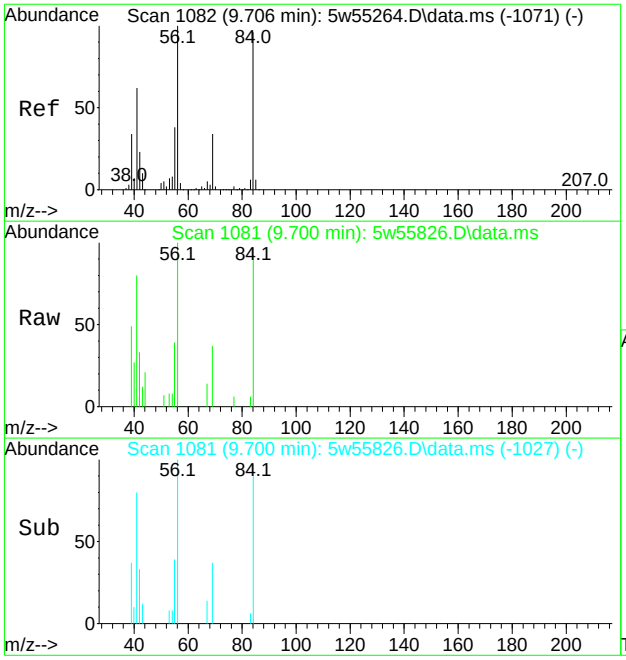


#52
BENZENE
Concen: 0.4122 PPBV
RT: 9.394 min Scan# 1031
Delta R.T. -0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 78 Resp: 32183

Ion	Ratio	Lower	Upper
78	100		
77	24.3	0.0	54.0
52	15.2	0.0	45.6

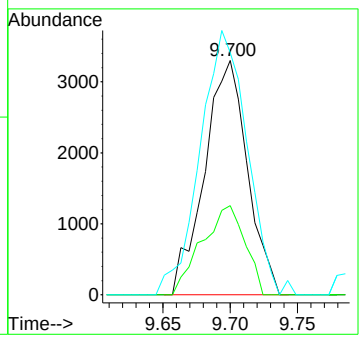


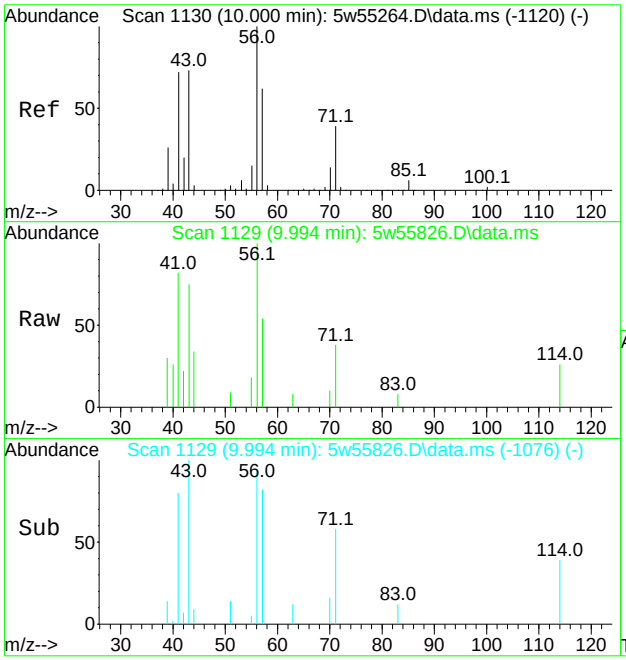


#53
CYCLOHEXANE
Concen: 0.2500 PPBV
RT: 9.700 min Scan# 1081
Delta R.T. -0.000 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 84 Resp: 7334

Ion	Ratio	Lower	Upper
84	100		
69	38.0	7.0	67.0
56	123.5	86.5	146.5

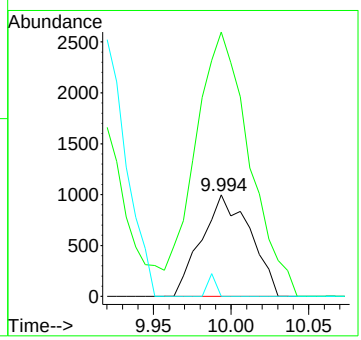


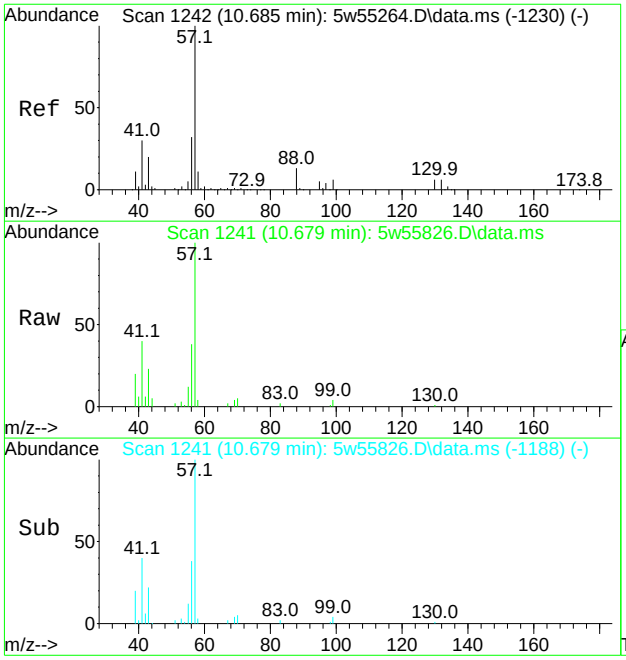


#54
2,3-DIMETHYLPENTANE
Concen: 0.1374 PPBV
RT: 9.994 min Scan# 1129
Delta R.T. -0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 71 Resp: 2176

Ion	Ratio	Lower	Upper
71	100		
56	289.2	235.4	295.4
85	0.0	0.0	45.3

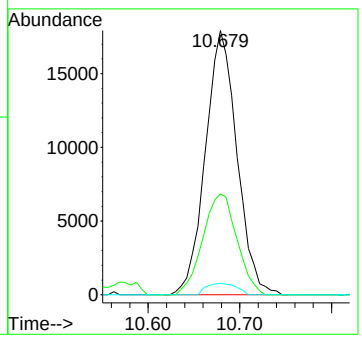


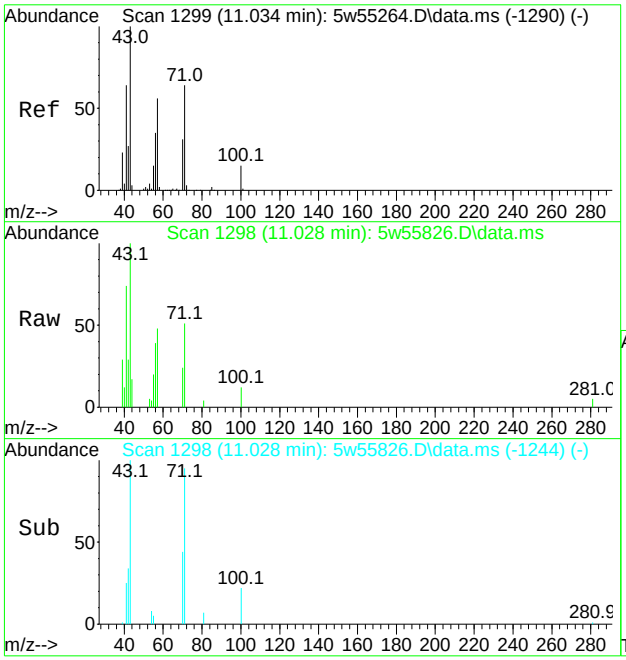


#60
2,2,4-TRIMETHYLPENTANE
Concen: 0.3615 PPBV
RT: 10.679 min Scan# 1241
Delta R.T. -0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 57 Resp: 42861

Ion	Ratio	Lower	Upper
57	100		
56	41.2	2.2	62.2
99	4.1	0.0	37.6

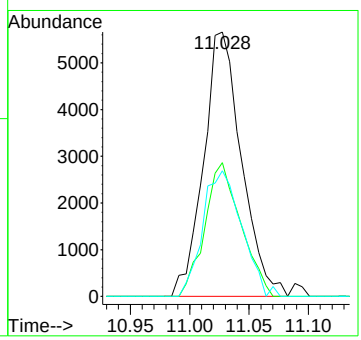


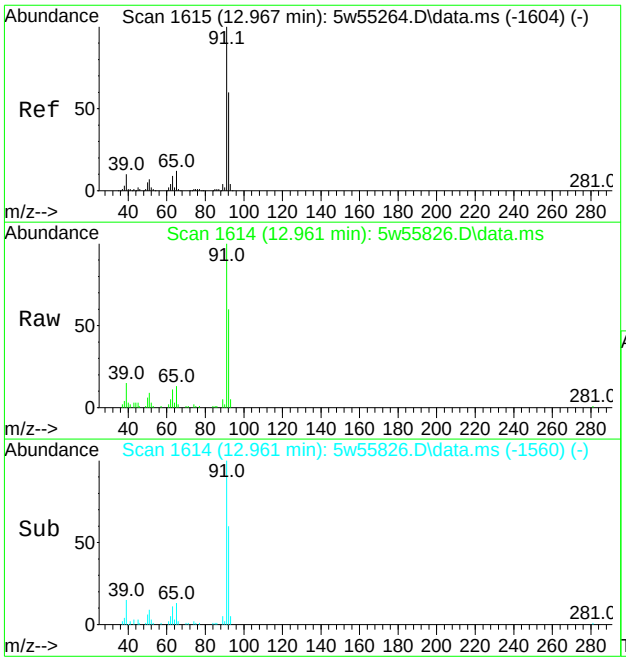


#62
HEPTANE
Concen: 0.3032 PPBV
RT: 11.028 min Scan# 1298
Delta R.T. -0.000 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 43 Resp: 12558

Ion	Ratio	Lower	Upper
43	100		
71	48.0	27.2	87.2
57	48.7	22.5	82.5

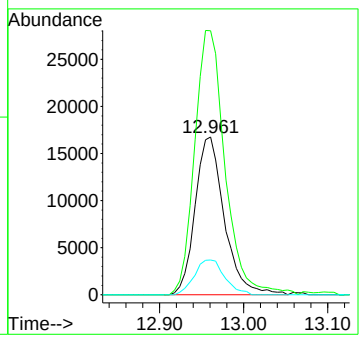


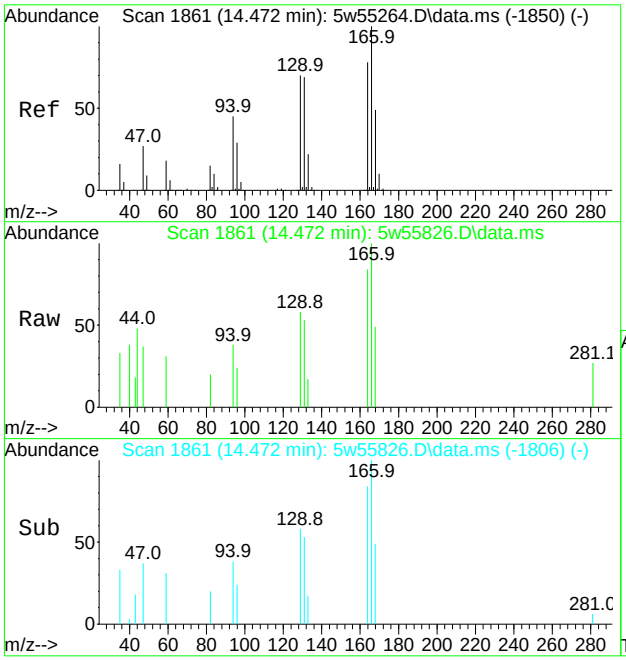


#66
TOLUENE
Concen: 0.7412 PPBV
RT: 12.961 min Scan# 1614
Delta R.T. -0.000 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 92 Resp: 40482

Ion	Ratio	Lower	Upper
92	100		
91	174.0	143.4	203.4
65	22.9	0.0	53.8

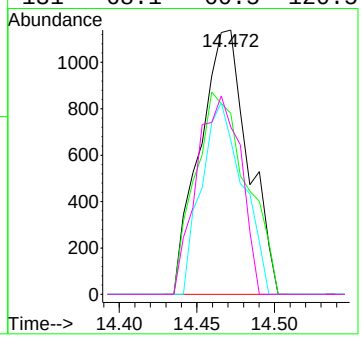


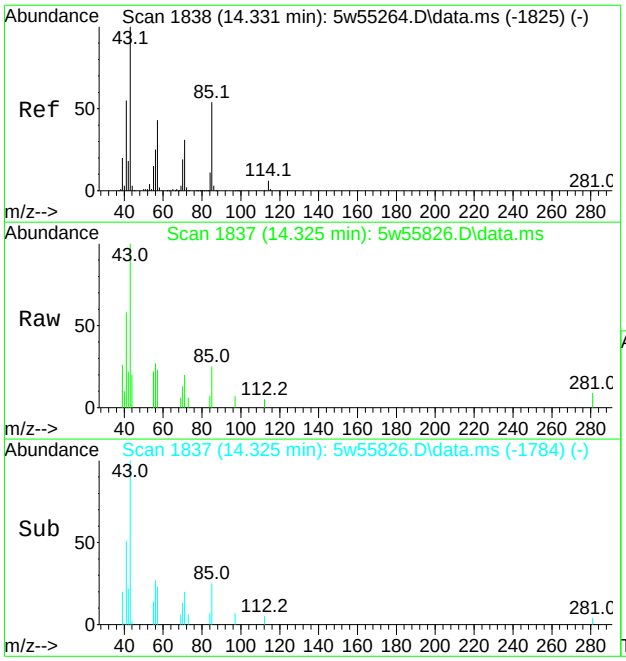


#73
TETRACHLOROETHYLENE
Concen: 0.0609 PPBV
RT: 14.472 min Scan# 1861
Delta R.T. 0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion:164 Resp: 2473

Ion	Ratio	Lower	Upper
164	100		
129	81.1	64.4	124.4
168	62.3	31.2	91.2
131	68.1	60.5	120.5

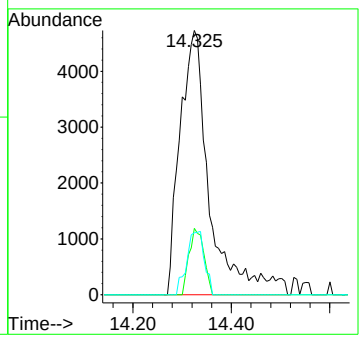


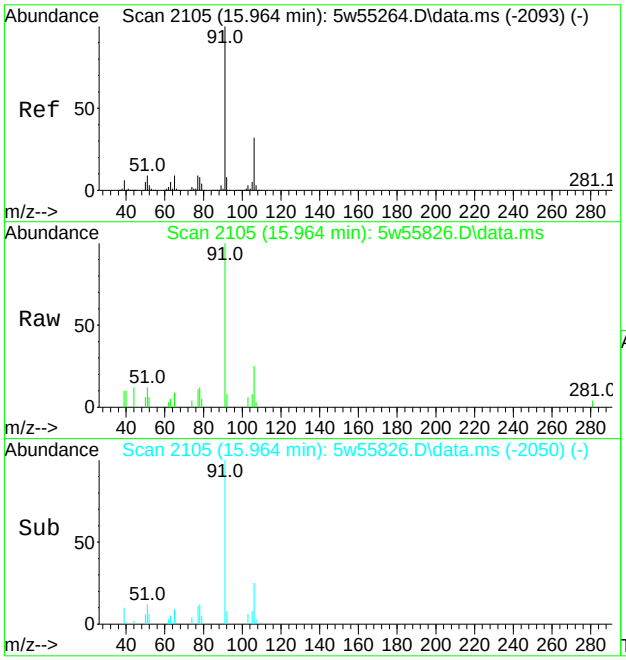


#76
OCTANE
Concen: 0.3622 PPBV
RT: 14.325 min Scan# 1837
Delta R.T. -0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 43 Resp: 19766

Ion	Ratio	Lower	Upper
43	100		
85	12.6	13.7	73.7#
57	14.3	9.9	69.9

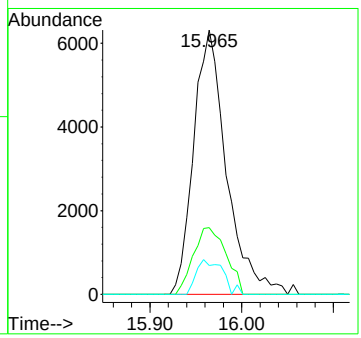


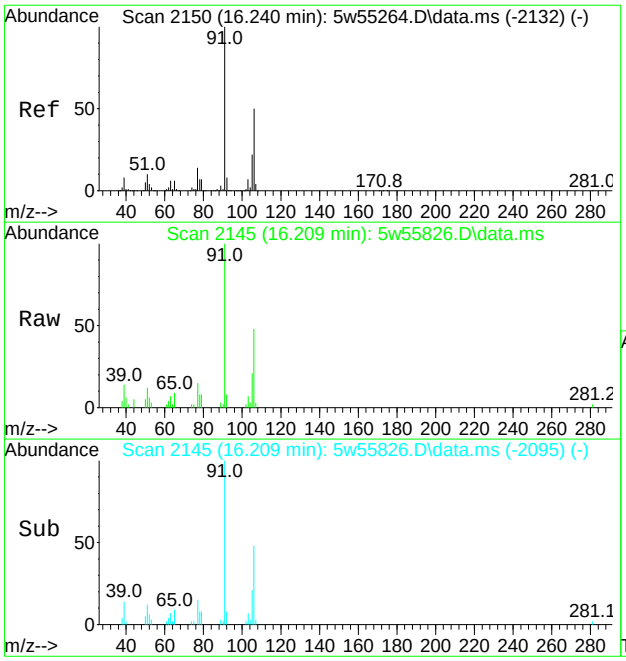


#79
ETHYLBENZENE
Concen: 0.1374 PPBV
RT: 15.964 min Scan# 2105
Delta R.T. 0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 91 Resp: 15737

Ion	Ratio	Lower	Upper
91	100		
106	25.2	0.0	59.9
77	10.5	0.0	39.1

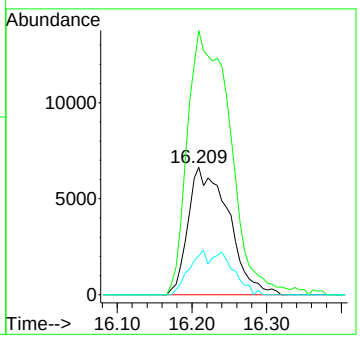


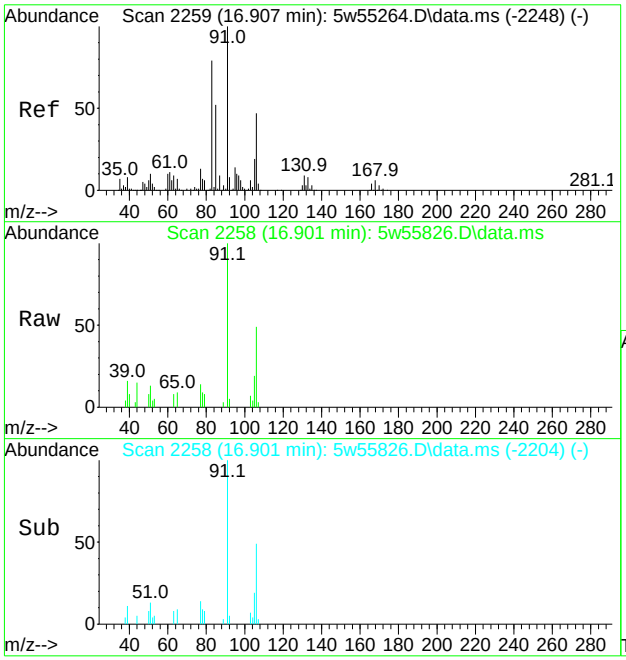


#80
m,p-XYLENE
Concen: 0.5735 PPBV
RT: 16.209 min Scan# 2145
Delta R.T. -0.025 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion:106 Resp: 24925

Ion	Ratio	Lower	Upper
106	100		
91	207.1	181.2	241.2
77	30.6	0.1	60.1

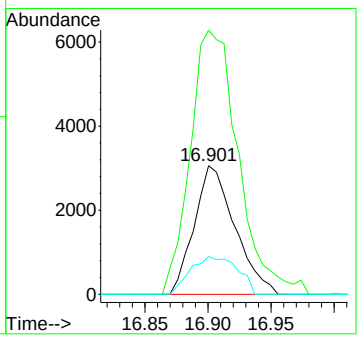


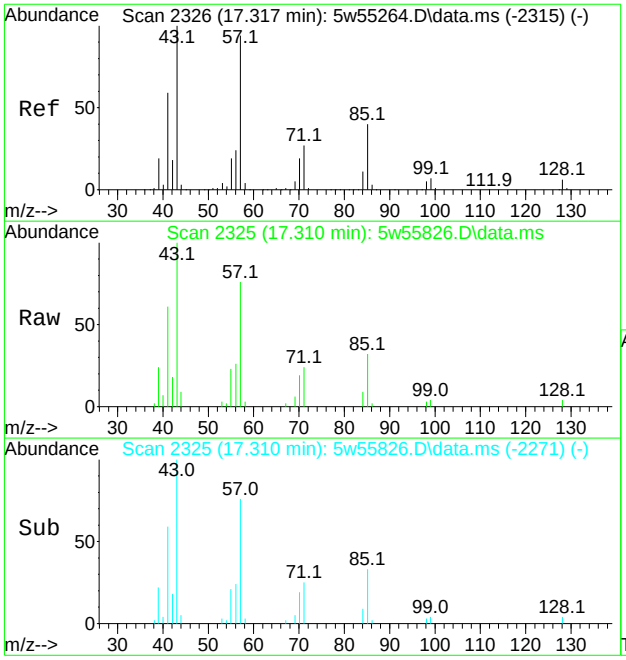


#81
o-XYLENE
Concen: 0.1621 PPBV
RT: 16.901 min Scan# 2258
Delta R.T. -0.000 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion:106 Resp: 6839

Ion	Ratio	Lower	Upper
106	100		
91	243.0	193.4	253.4
77	34.1	0.0	59.8

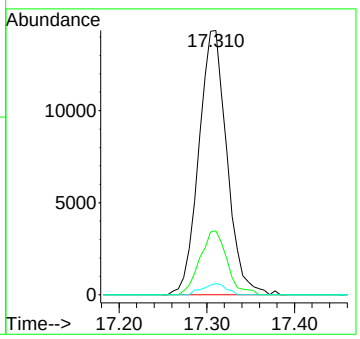


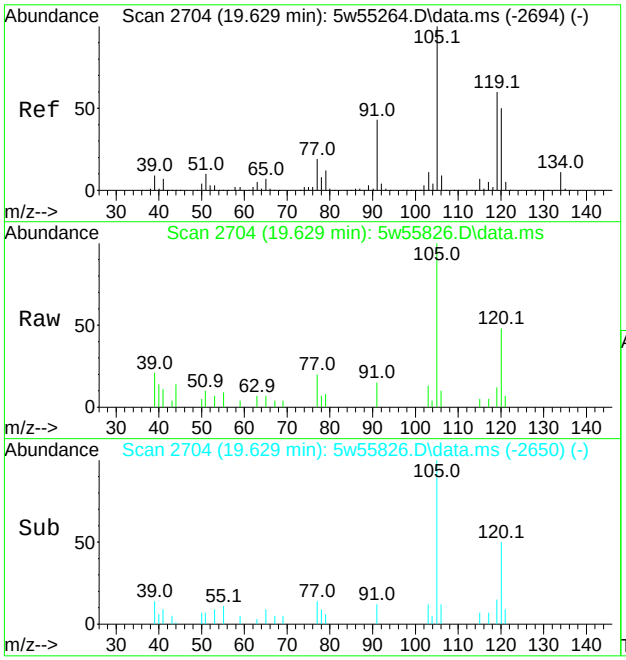


#83
NONANE
Concen: 0.5601 PPBV
RT: 17.310 min Scan# 2325
Delta R.T. -0.000 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 43 Resp: 31896

Ion	Ratio	Lower	Upper
43	100		
71	23.4	0.0	53.8
128	3.6	0.0	34.3

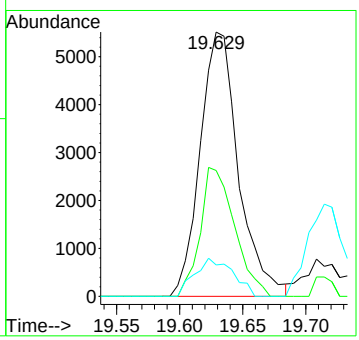


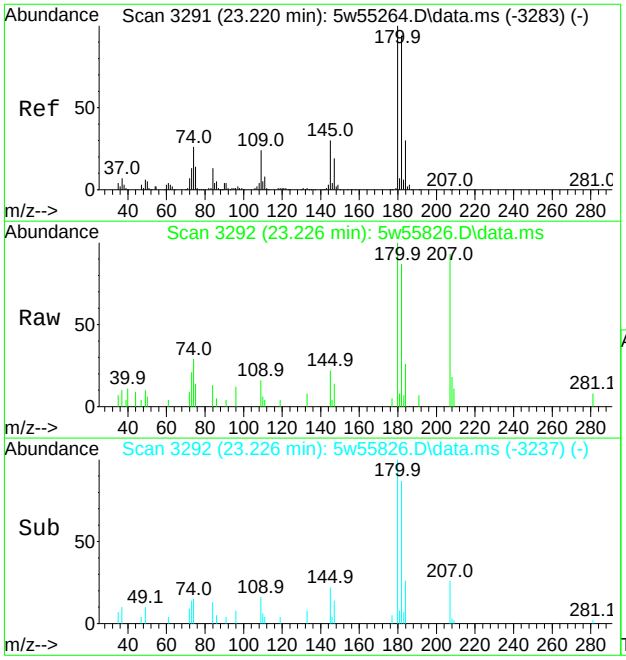


#96
1,2,4-TRIMETHYLBENZENE
Concen: 0.1080 PPBV
RT: 19.629 min Scan# 2704
Delta R.T. -0.000 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion:105 Resp: 11668

Ion	Ratio	Lower	Upper
105	100		
120	43.6	22.6	82.6
119	14.3	69.7	129.7#

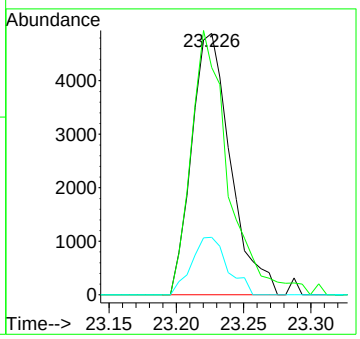


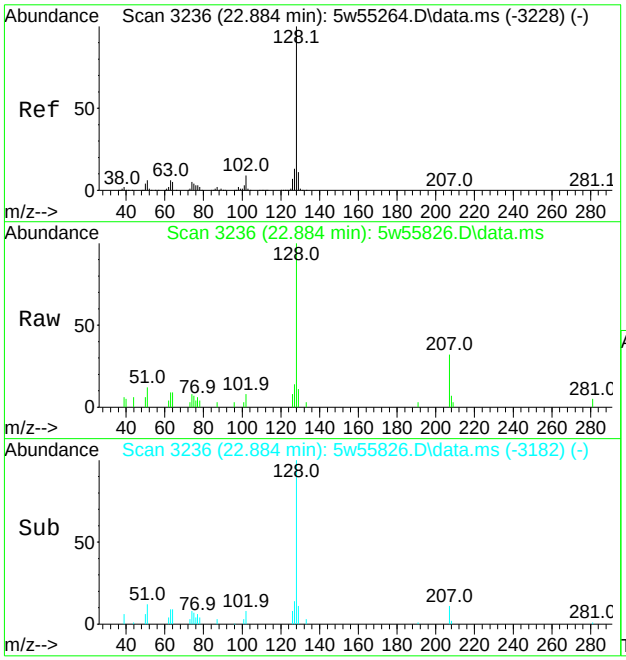


#107
1,2,4-TRICHLOROBENZENE
Concen: 0.1428 PPBV
RT: 23.226 min Scan# 3292
Delta R.T. 0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion:180 Resp: 9822

Ion	Ratio	Lower	Upper
180	100		
182	97.5	66.4	126.4
145	20.4	0.2	60.2

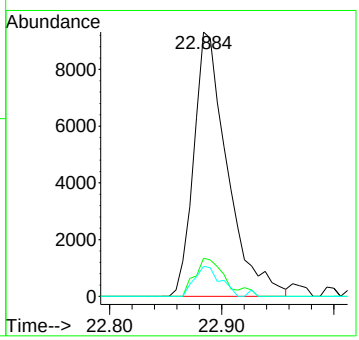




#108
NAPHTHALENE
Concen: 0.1282 PPBV
RT: 22.884 min Scan# 3236
Delta R.T. -0.000 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion:128 Resp: 19361

Ion	Ratio	Lower	Upper
128	100		
127	13.0	0.0	43.1
129	8.7	0.0	41.1



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\102824\v7w369\
Data File : 7w09977.d
Acq On : 26 Oct 2024 7:22 am
Operator : thomash
Sample : scc(m139),cp12902 Inst : MS7W
Misc : MS86212,v7w369,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 28 13:18:12 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

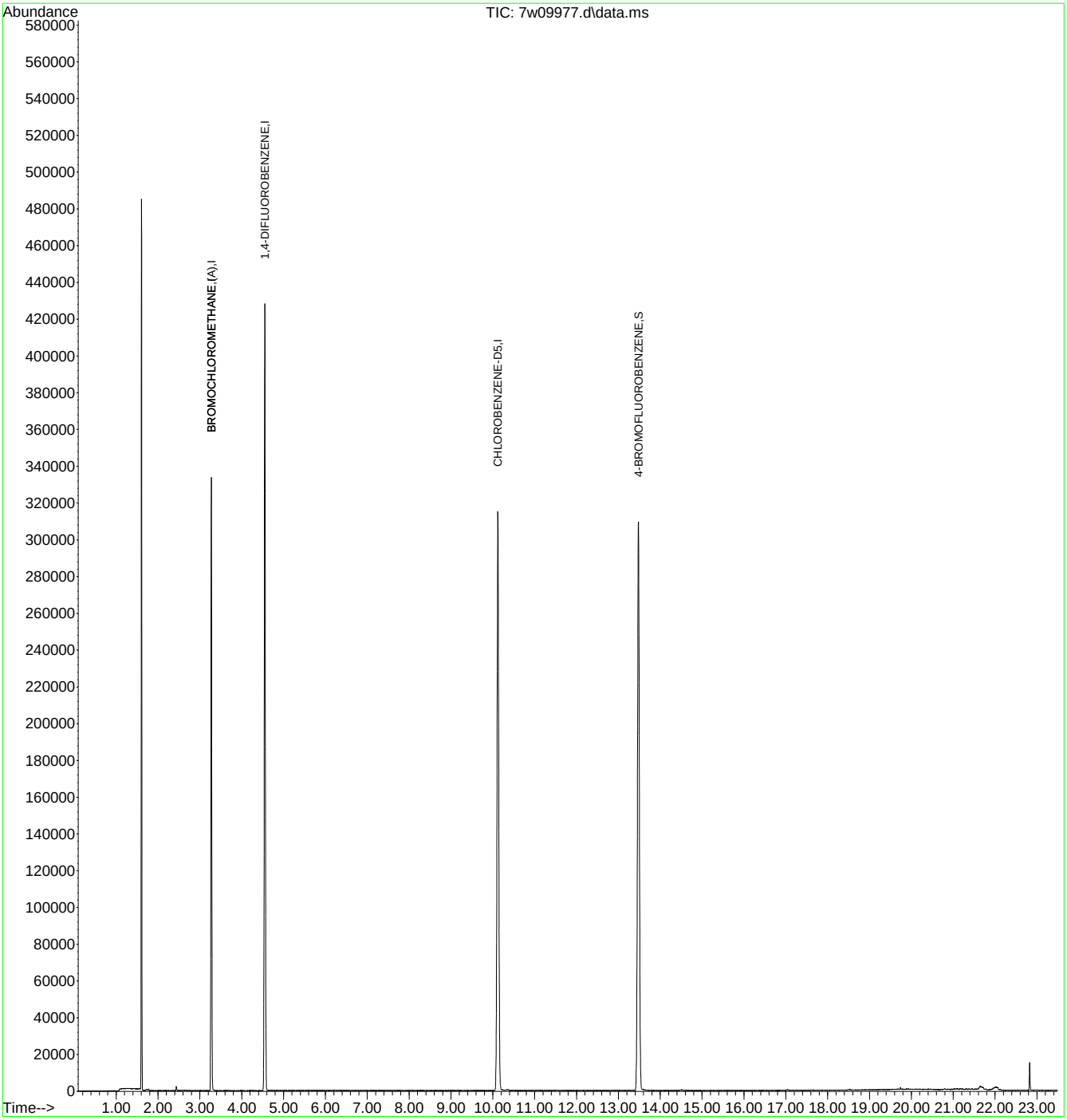
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.274	128	64486	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.553	114	325680	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.119	117	292755	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.274	128	64486	10.00	PPBV	0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.479	95	201366	9.38	PPBV	0.00
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\102824\v7w369\
Data File : 7w09977.d
Acq On : 26 Oct 2024 7:22 am
Operator : thomash
Sample : scc(m139),cp12902 Inst : MS7W
Misc : MS86212,v7w369,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 28 13:18:12 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w10605.D
Acq On : 19 Nov 2024 4:48 am
Operator : thomash
Sample : scc(a779),cp12922
Misc : MS86930,v7w387,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 19 11:41:48 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

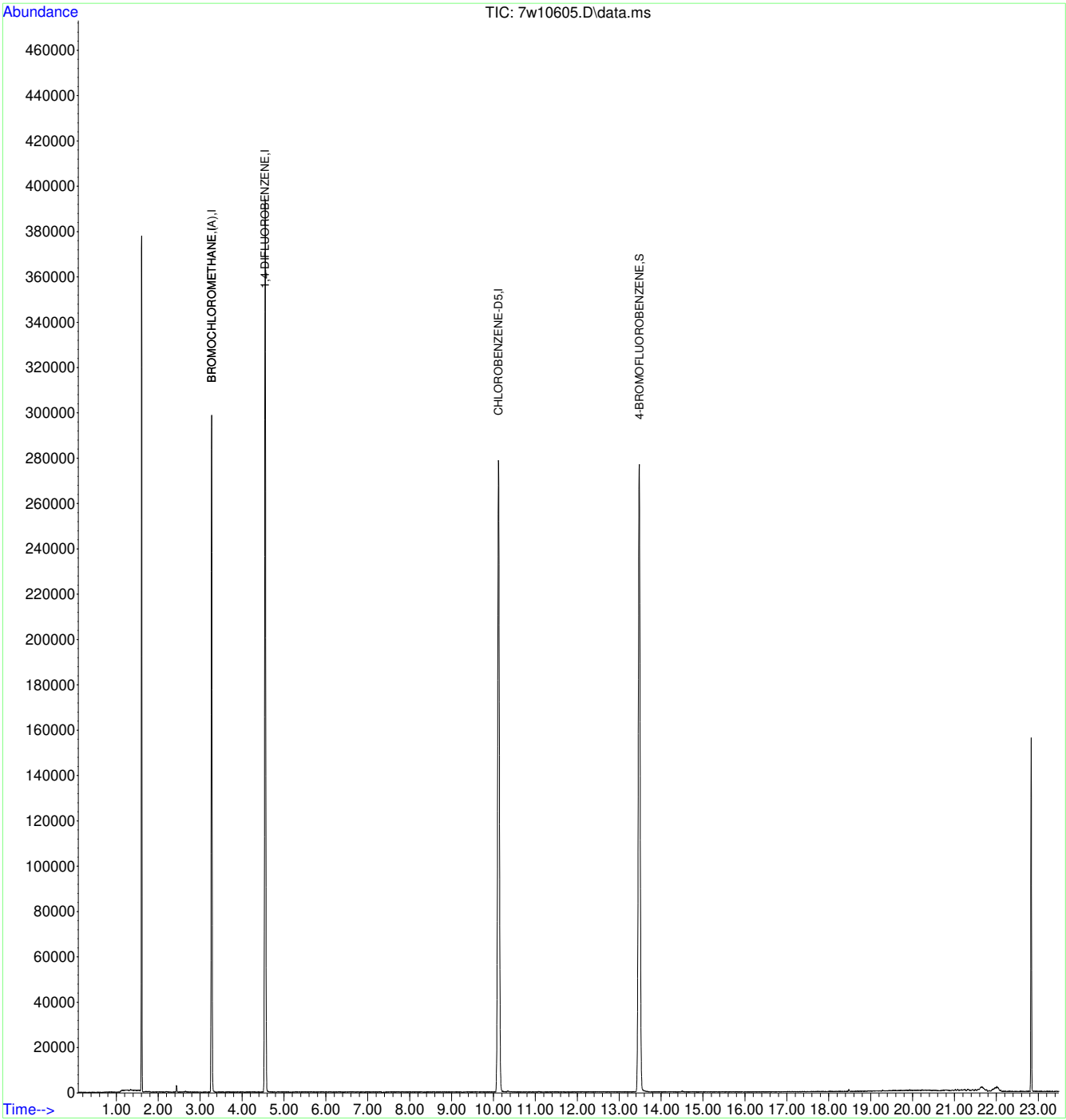
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.277	128	61555	10.00	PPBV	# 0.00
52) 1,4-DIFLUOROBENZENE	4.550	114	303415	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.119	117	282366	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.277	128	61555	10.00	PPBV	# 0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.479	95	175288	8.46	PPBV	0.00
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w10605.D
Acq On : 19 Nov 2024 4:48 am
Operator : thomash
Sample : scc(a779),cp12922
Misc : MS86930,v7w387,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 19 11:41:48 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\11-26-2024\V7W392\
Data File : 7w10777.D
Acq On : 26 Nov 2024 6:47 am
Operator : williamc
Sample : scc(a1858),cp12926 Inst : MS7W
Misc : MS87406,v7w392,,,,,1
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Nov 26 14:46:34 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

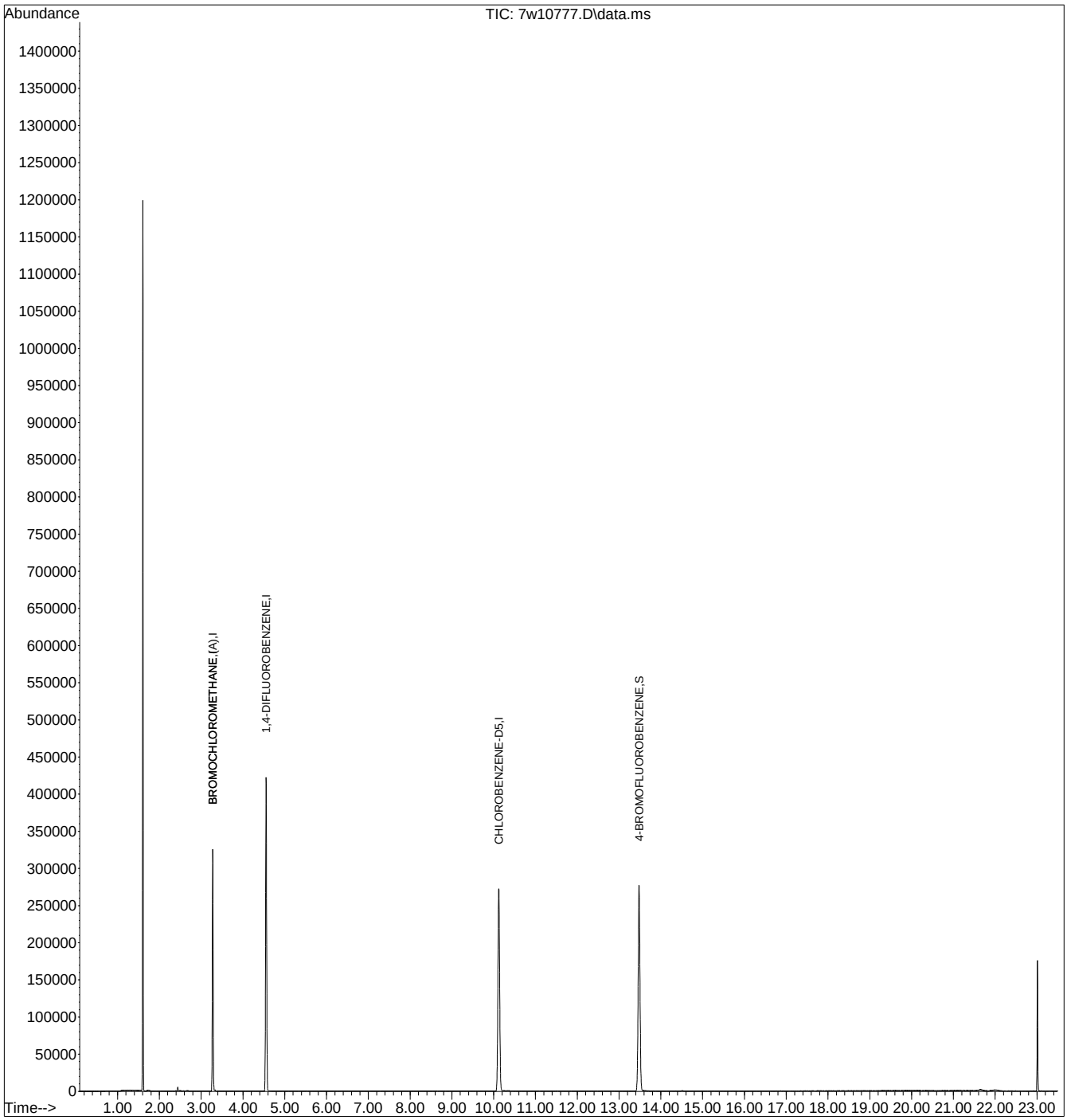
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.277	128	55670	10.00	PPBV	# 0.00
52) 1,4-DIFLUOROBENZENE	4.553	114	294531	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.122	117	228023	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.277	128	55670	10.00	PPBV	# 0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.479	95	166608	9.96	PPBV	0.00
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\11-26-2024\V7W392\
Data File : 7w10777.D
Acq On : 26 Nov 2024 6:47 am
Operator : williamc
Sample : scc(a1858),cp12926 Inst : MS7W
Misc : MS87406,v7w392,,,,,1
ALS Vial : 29 Sample Multiplier: 1

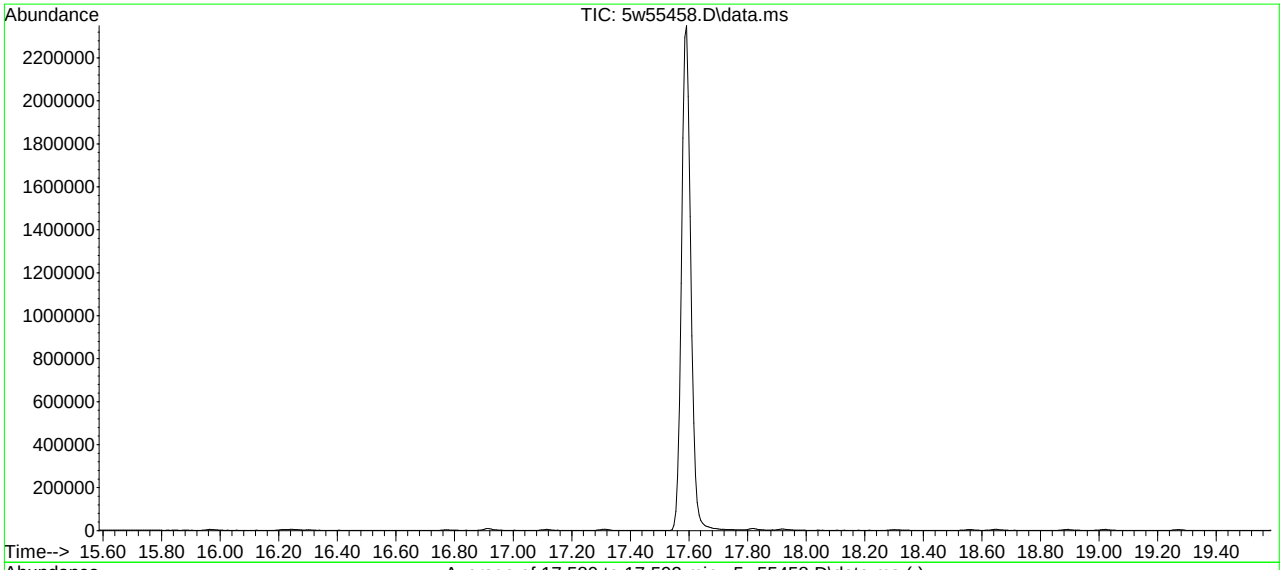
Quant Time: Nov 26 14:46:34 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

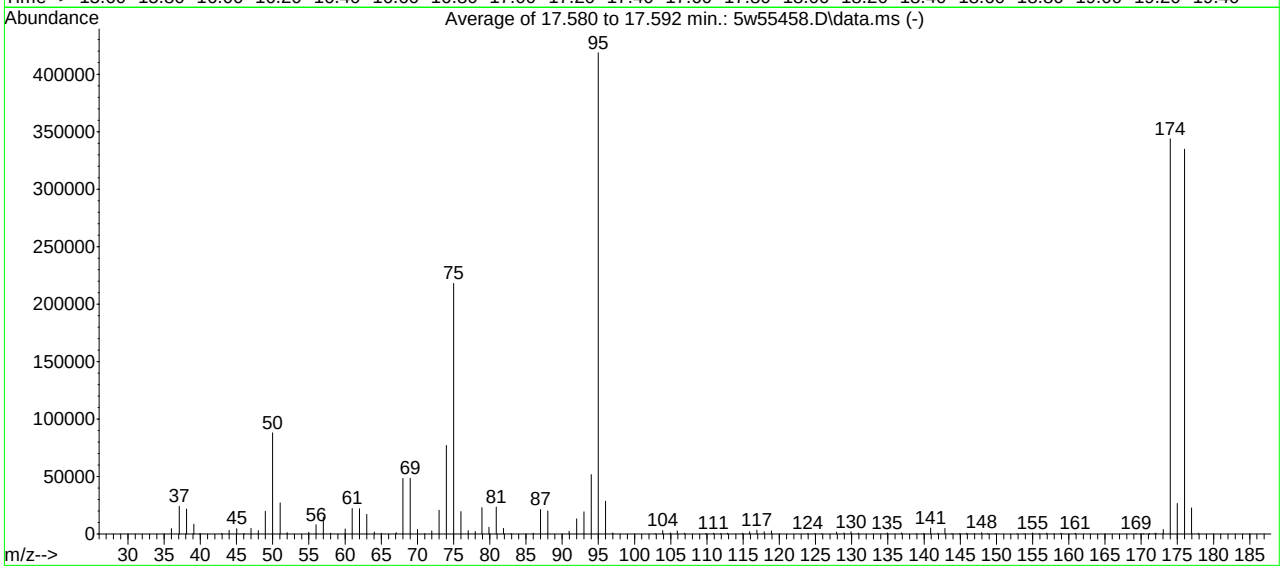


BFB

Data File : C:\msdchem\1\DATA\5w55458.D Vial: 3
Acq On : 9 Dec 2024 3:34 am Operator: benk
Sample : bfb Inst : GCMS5W
Misc : MS74484,V5W2125,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P

Method : Z:\Dayton\MSAIR_Methods\M5w2125.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um





AutoFind: Scans 2369, 2370, 2371; Background Corrected with Scan 2360

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	21.0	87907	PASS
75	95	30	66	52.1	218027	PASS
95	95	100	100	100.0	418581	PASS
96	95	5	9	6.8	28349	PASS
173	174	0.00	2	1.1	3695	PASS
174	95	50	120	82.1	343765	PASS
175	174	4	9	7.7	26424	PASS
176	174	93	101	97.4	334720	PASS
177	176	5	9	6.7	22512	PASS

5w55458.D M5w2125.M Mon Dec 09 16:30:13 2024

Average of 17.580 to 17.592 min.: 5w55458.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	4407	49.00	19752	63.00	17050	75.00	218027
37.10	24149	50.00	87907	64.05	1657	76.00	19280
38.10	21723	51.05	26971	65.00	509	77.00	2866
39.10	8398	52.00	1164	67.05	1085	78.00	2061
39.95	461	55.00	1419	68.00	48216	78.90	22733
42.95	285	56.00	7959	69.00	48400	79.90	5787
44.00	3174	57.00	14433	70.00	3854	80.90	23309
45.05	4430	58.00	691	71.00	83	81.90	4746
46.05	362	60.00	4331	72.00	2495	82.95	482
47.00	4807	61.00	22131	73.00	20691	86.00	549
48.00	2719	62.00	21965	74.00	77016	87.00	21008

Average of 17.580 to 17.592 min.: 5w55458.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
88.00	20003	105.90	2548	123.95	315	140.90	5011
90.95	2215	106.90	509	124.90	140	141.90	497
92.00	13106	109.85	391	125.85	219	142.90	4891
93.00	19059	110.90	592	127.90	1613	143.85	348
94.00	51672	111.90	484	128.95	795	144.95	461
95.00	418581	112.85	566	129.90	1786	145.90	568
96.00	28349	114.90	530	130.90	598	146.95	297
97.00	848	115.90	1936	134.90	880	147.95	1090
102.85	239	116.90	3369	136.90	963	148.80	258
103.90	2733	117.90	1949	138.90	79	149.95	436
104.95	754	118.90	2572	139.95	354	152.85	248

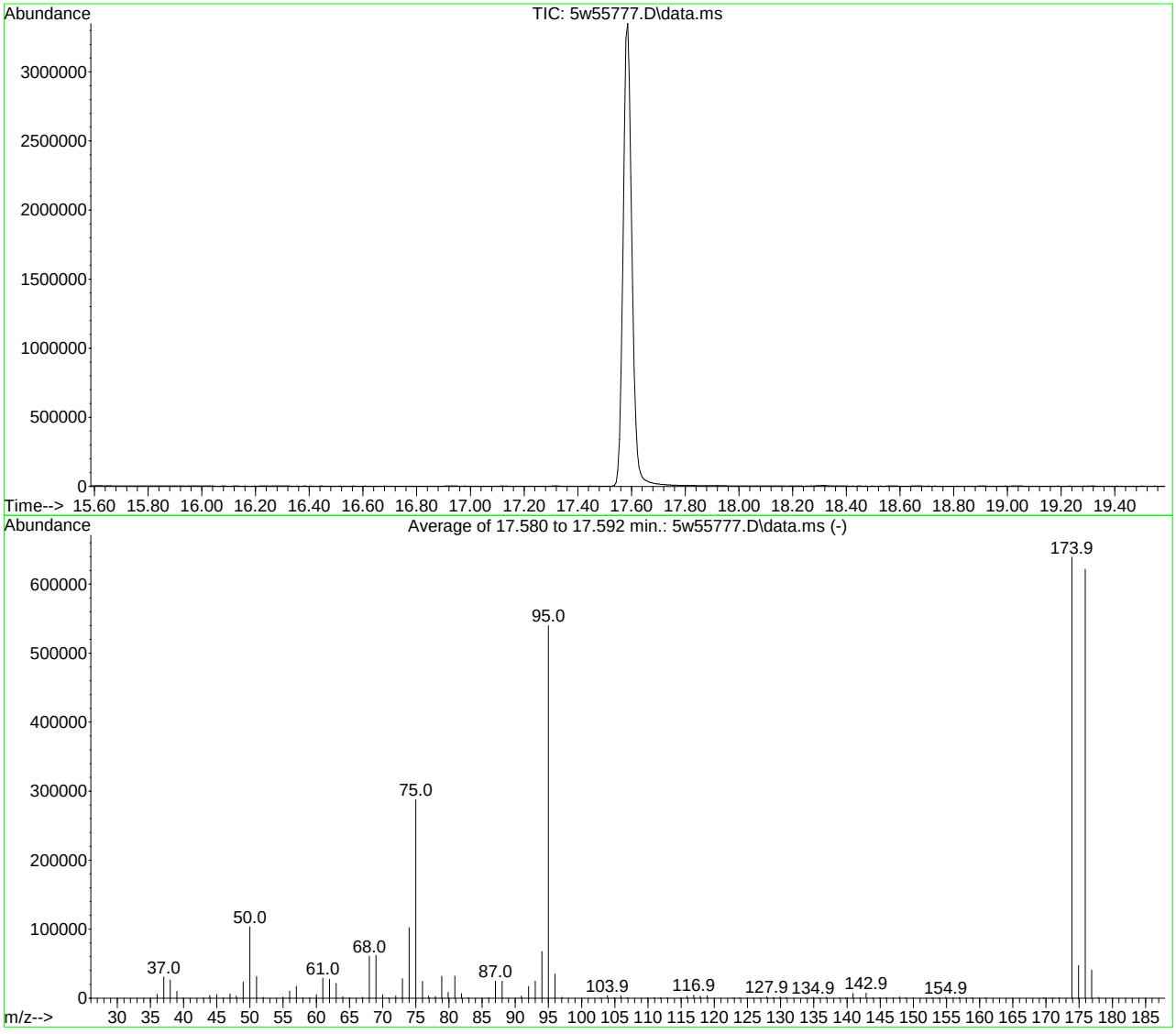
Average of 17.580 to 17.592 min.: 5w55458.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
153.80	101	171.90	416				
155.00	926	172.05	748				
155.90	138	173.05	3695				
156.95	736	174.00	343765				
157.95	174	175.00	26424				
158.90	535	176.00	334720				
160.90	542	176.95	22512				
169.30	75	177.90	590				
170.00	113						
170.35	183						
171.15	260						

BFB

Data File : X:\Dayton VOA GCMS\l...024\v5w2136\5w55777.D Vial: 2
Acq On : 20 Dec 2024 12:26 pm Operator: thomash
Sample : bfb Inst : GCMS5W
Misc : MS88104,V5W2136,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P

Method : C:\msdchem\1\methods\M5w2125.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um



AutoFind: Scans 2369, 2370, 2371; Background Corrected with Scan 2358

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	19.2	103472	PASS
75	95	30	66	53.3	287701	PASS
95	95	100	100	100.0	539797	PASS
96	95	5	9	6.5	34869	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	118.4	639147	PASS
175	174	4	9	7.4	46992	PASS
176	174	93	101	97.3	621632	PASS
177	176	5	9	6.6	40723	PASS

5w55777.D M5w2125.M Mon Dec 23 07:13:21 2024

Average of 17.580 to 17.592 min.: 5w55777.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	5375	49.00	23344	62.00	27269	74.00	102227
37.00	30787	50.00	103472	63.00	21483	75.00	287701
38.00	26269	51.00	31461	64.00	1926	76.00	24525
39.00	10012	52.00	1300	65.05	376	76.95	3316
39.95	230	55.00	1505	66.95	1457	77.95	2608
42.95	322	56.00	10283	68.00	60795	78.90	31819
43.95	3977	57.00	17350	69.00	61941	79.90	8424
45.00	4992	57.95	691	70.00	5194	80.90	32005
45.95	566	59.00	67	70.90	105	81.90	6577
47.00	6174	60.00	5052	72.00	3099	82.85	741
47.95	3300	61.00	28747	73.00	28032	86.00	703

Average of 17.580 to 17.592 min.: 5w55777.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
87.00	24803	104.90	1134	118.90	3395	133.80	69
88.00	24416	105.90	3409	122.80	78	134.90	1274
90.90	3221	106.90	750	123.00	76	135.85	266
92.00	16939	109.90	519	123.75	421	136.90	1228
93.00	24885	110.90	732	124.90	81	138.85	295
94.00	67773	111.85	689	125.90	285	139.80	345
95.00	539797	112.90	839	126.90	161	140.00	144
96.00	34869	114.90	592	127.90	2190	140.90	6895
97.05	1187	115.90	2671	128.90	1022	141.95	801
102.80	370	116.90	4487	129.90	2123	142.90	7174
103.90	3707	117.85	2899	130.85	871	143.90	467

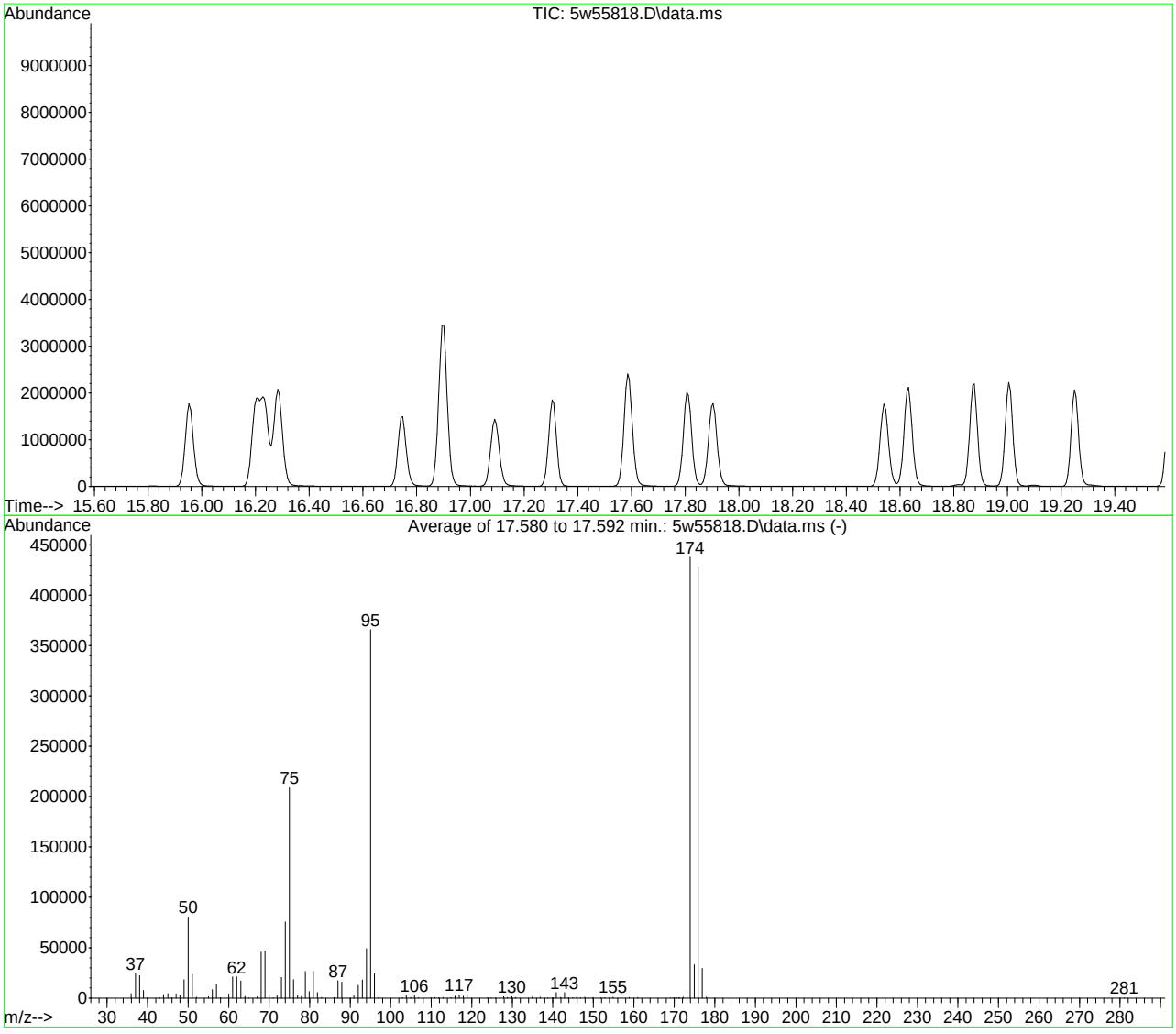
Average of 17.580 to 17.592 min.: 5w55777.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
144.95	579	156.90	1101	175.90	621632		
145.90	919	158.00	67	176.90	40723		
146.95	427	158.85	850	177.90	1217		
147.90	1717	160.85	732				
148.85	431	169.60	71				
149.95	611	169.80	90				
151.90	370	170.80	212				
152.85	427	171.25	394				
153.85	384	171.95	1039				
154.90	1423	173.90	639147				
156.00	67	174.90	46992				

BFB

Data File : C:\msdchem\1\DATA\5w55818.D Vial: 1
Acq On : 23 Dec 2024 8:13 am Operator: thomash
Sample : bfb Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P

Method : Z:\Dayton\MSAIR_Methods\M5w2125.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um



AutoFind: Scans 2369, 2370, 2371; Background Corrected with Scan 2359

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	22.0	80464	PASS
75	95	30	66	57.0	208725	PASS
95	95	100	100	100.0	365867	PASS
96	95	5	9	6.6	24203	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	119.7	437760	PASS
175	174	4	9	7.5	33048	PASS
176	174	93	101	97.7	427712	PASS
177	176	5	9	6.9	29384	PASS

5w55818.D M5w2125.M Mon Dec 23 13:39:03 2024

Average of 17.580 to 17.592 min.: 5w55818.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.95	4503	49.00	18299	63.00	17013	75.00	208725
37.00	24683	50.00	80464	64.00	1589	76.00	18344
38.00	22280	51.00	23667	65.00	201	77.00	2501
39.00	7634	52.05	908	67.00	1153	77.95	1660
39.90	331	55.00	1431	68.00	45832	78.90	26499
43.00	451	56.00	8261	69.00	46893	79.90	6497
43.95	3418	57.00	13481	70.00	3816	80.90	26827
45.00	4352	58.00	494	71.00	83	81.90	5505
46.00	443	60.00	4301	71.95	2456	82.90	690
47.00	4319	61.00	21013	73.00	20453	86.00	467
48.00	2550	62.00	21091	74.00	75576	87.00	17270

Average of 17.580 to 17.592 min.: 5w55818.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
87.95	15974	105.90	2767	123.95	276	139.85	222
90.90	2419	106.90	525	124.80	68	140.10	125
92.00	12633	109.90	511	125.90	67	140.90	5477
93.00	17995	110.90	660	126.90	79	141.95	763
94.00	49232	111.85	484	127.85	1357	142.90	5567
95.00	365867	112.90	696	128.85	675	143.85	317
96.00	24203	114.90	483	129.90	1540	144.90	420
97.00	677	115.90	1917	130.85	536	145.85	584
102.90	310	116.90	3074	134.90	997	146.85	313
103.85	2628	117.90	1957	136.90	827	147.90	1036
104.90	735	118.90	2598	138.80	80	148.80	270

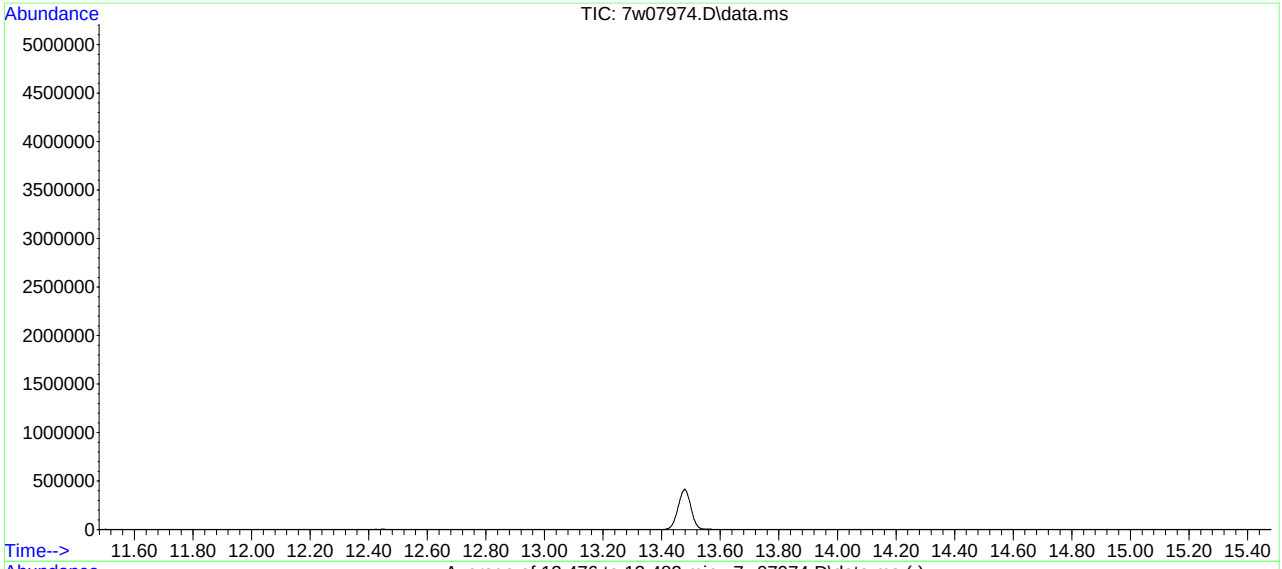
Average of 17.580 to 17.592 min.: 5w55818.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
149.85	533	170.40	317				
151.85	150	170.60	208				
152.85	293	171.10	283				
153.95	255	171.40	234				
154.90	1037	172.20	838				
156.85	732	173.90	437760				
158.90	596	174.95	33048				
160.95	599	175.90	427712				
169.00	240	176.90	29384				
169.65	206	177.90	828				
170.00	99	281.05	180				

BFB

Data File : C:\msdchem\1\data\7w\7w07974.D Vial: 1
Acq On : 18 Aug 2024 9:06 pm Operator: benk
Sample : bfb Inst : MS7W
Misc : MS74014,v7w305,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7Wbfb.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um



AutoFind: Scans 4164, 4165, 4166; Background Corrected with Scan 4136

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	24.4	20443	PASS
75	95	30	66	51.7	43320	PASS
95	95	100	100	100.0	83736	PASS
96	95	5	9	7.1	5915	PASS
173	174	0.00	2	1.0	627	PASS
174	95	50	120	73.5	61525	PASS
175	174	4	9	7.4	4526	PASS
176	174	93	101	95.5	58768	PASS
177	176	5	9	6.6	3856	PASS

7w07974.D M7Wbfb.M Mon Aug 19 09:00:03 2024

Average of 13.476 to 13.482 min.: 7w07974.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	954	50.00	20443	64.00	287	77.90	308
37.00	5028	51.00	6530	67.05	196	78.90	2955
38.00	4273	52.00	277	68.00	8935	79.90	767
39.05	1813	55.05	302	69.00	9076	80.90	3037
43.00	64	55.95	1451	70.00	861	81.85	668
44.00	709	57.00	2901	71.85	499	82.80	43
45.00	966	58.05	156	73.00	3880	83.10	21
46.15	74	60.00	997	74.00	15013	85.90	103
46.95	1367	61.00	4528	75.00	43320	86.95	3242
47.95	630	62.00	4774	76.00	3458	87.95	2880
49.00	4424	63.00	3558	77.00	539	90.85	322

Average of 13.476 to 13.482 min.: 7w07974.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
92.00	2543	110.70	18	127.80	278	142.90	820
93.00	3598	111.05	100	128.70	51	144.00	19
94.00	10531	111.85	87	128.85	135	145.10	22
95.00	83736	112.80	110	129.85	322	145.90	187
96.00	5915	114.85	70	130.85	96	146.70	18
96.95	196	115.85	319	134.75	134	147.90	227
103.90	411	116.85	545	136.90	163	148.70	25
104.80	147	117.85	347	139.70	38	149.85	79
105.85	388	118.85	467	139.90	58	151.90	22
106.90	91	123.80	42	140.90	764	154.80	150
109.80	78	126.90	18	141.85	63	156.90	122

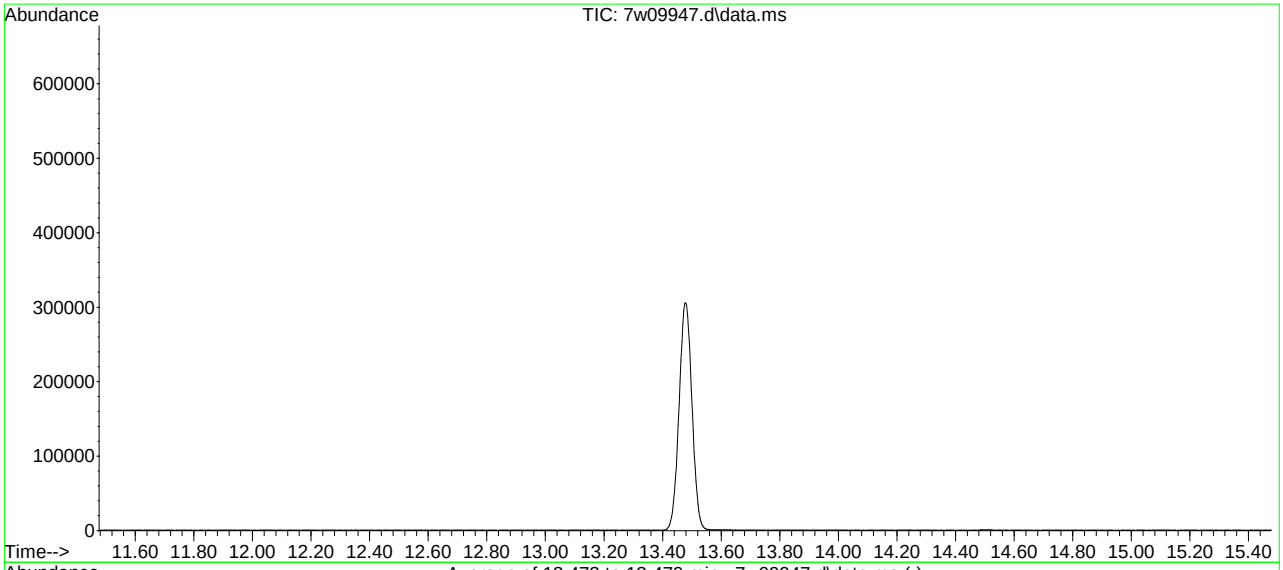
Average of 13.476 to 13.482 min.: 7w07974.D\data.ms
bfb
Modified:subtracted

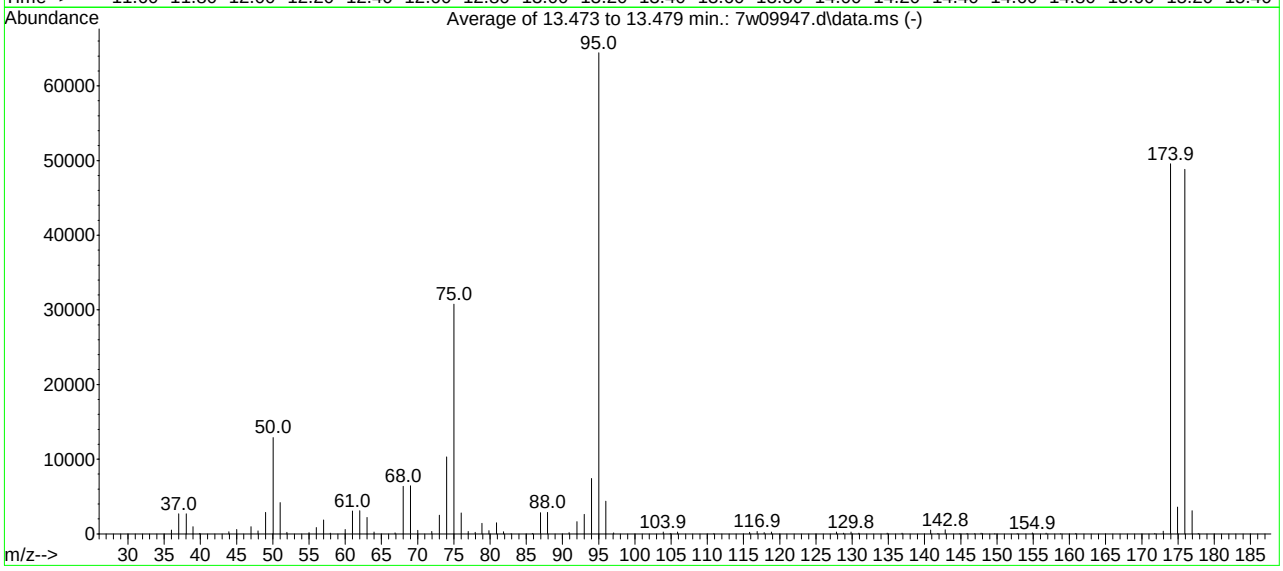
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
158.70	34						
158.85	62						
160.80	94						
171.90	37						
173.05	627						
173.90	61525						
174.90	4526						
175.90	58768						
176.90	3856						
177.85	99						

BFB

Data File : X:\Dayton VOA GCMS\k...2824\v7w369\7w09947.d Vial: 1
Acq On : 25 Oct 2024 10:24 am Operator: thomash
Sample : bfb Inst : MS7W
Misc : MS86212,v7w369,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7W305.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um





AutoFind: Scans 4163, 4164, 4165; Background Corrected with Scan 4138

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	20.0	12909	PASS
75	95	30	66	47.8	30776	PASS
95	95	100	100	100.0	64424	PASS
96	95	5	9	6.8	4359	PASS
173	174	0.00	2	0.7	343	PASS
174	95	50	120	76.9	49555	PASS
175	174	4	9	7.2	3587	PASS
176	174	93	101	98.5	48805	PASS
177	176	5	9	6.4	3104	PASS

7w09947.d M7W305.M Mon Oct 28 10:40:12 2024

Average of 13.473 to 13.479 min.: 7w09947.d\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	527	51.00	4185	66.90	150	78.90	1417
37.00	2696	51.95	199	68.00	6380	79.85	422
38.05	2682	55.00	174	69.00	6453	80.90	1478
39.00	965	56.00	861	70.00	484	81.85	276
39.90	55	57.00	1859	71.95	310	82.90	17
43.95	282	57.95	100	73.00	2496	85.85	56
45.00	570	60.00	569	74.00	10323	86.95	2853
47.00	944	61.00	3056	75.00	30776	87.95	2862
47.95	385	62.00	3104	76.00	2789	90.90	168
49.00	2862	63.00	2180	77.00	321	92.00	1620
50.05	12909	64.00	245	77.95	198	93.00	2606

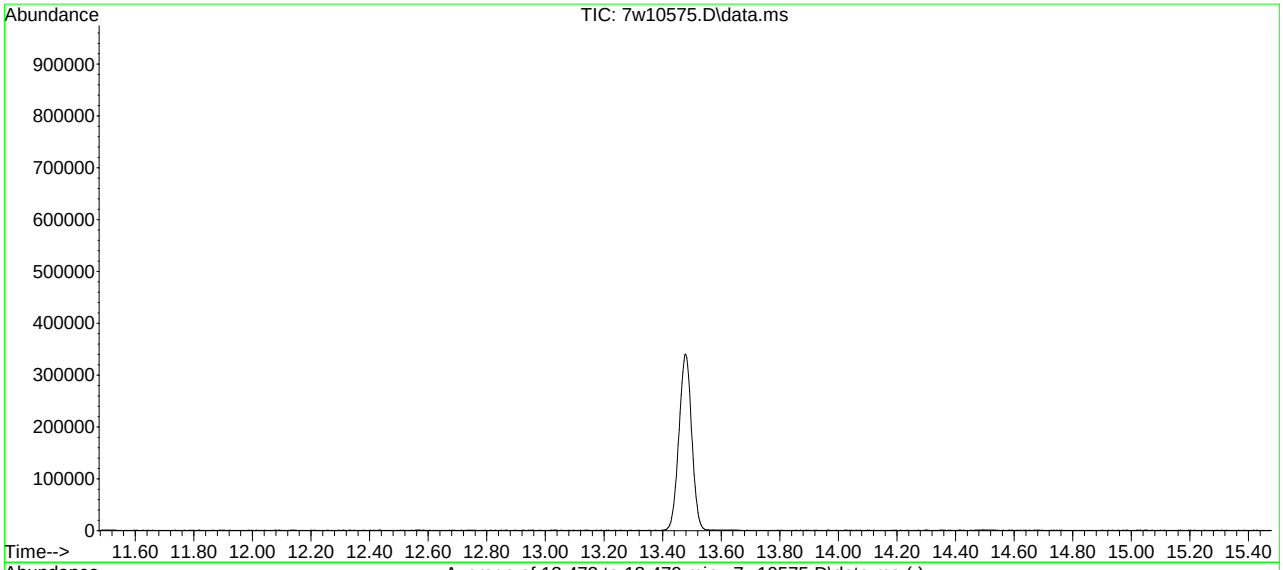
Average of 13.473 to 13.479 min.: 7w09947.d\data.ms
bfb
Modified:subtracted

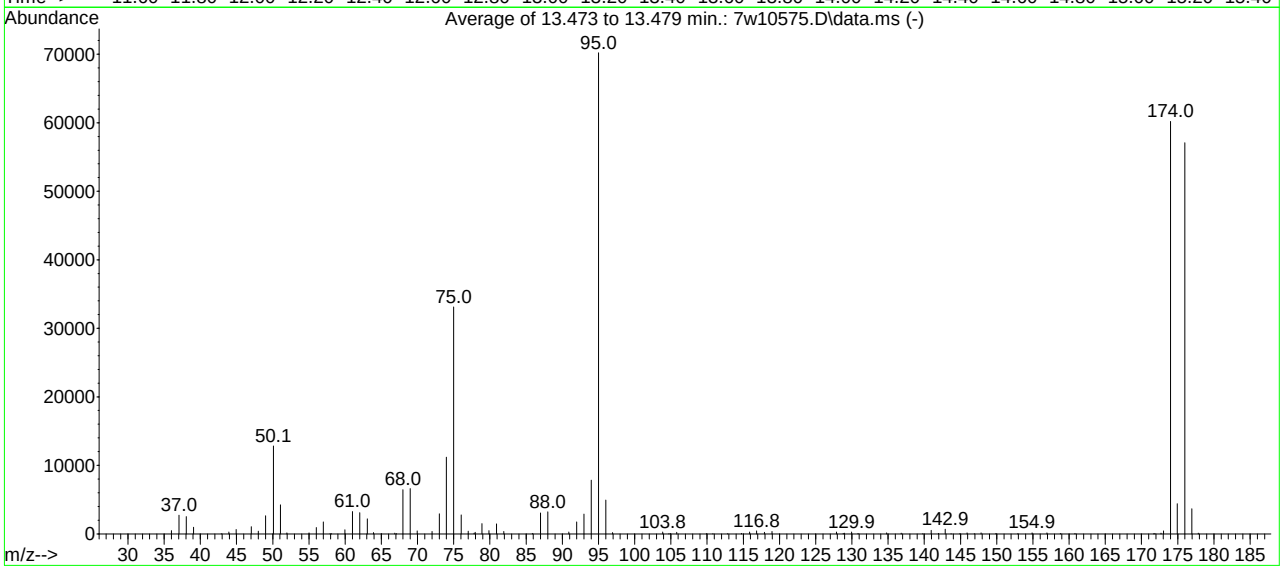
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
94.00	7400	118.85	253	145.85	67	172.95	343
95.00	64424	127.85	238	146.90	28	173.95	49555
96.00	4359	128.80	89	147.80	103	174.95	3587
97.05	125	129.85	257	148.00	34	175.95	48805
103.90	250	130.95	104	149.70	24	176.95	3104
104.90	49	134.85	98	152.80	19	177.80	62
105.90	249	136.90	83	154.90	134		
110.90	38	140.85	497	156.80	107		
115.85	207	141.85	77	158.80	20		
116.90	335	142.85	558	160.90	72		
117.85	183	144.85	39	171.80	67		

BFB

Data File : X:\Dayton VOA GCMS\l...2024\v7w387\7w10575.D Vial: 1
Acq On : 18 Nov 2024 8:59 am Operator: bkim
Sample : bfb Inst : MS7W
Misc : MS87131,v7w387,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7W305.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um





AutoFind: Scans 4163, 4164, 4165; Background Corrected with Scan 4136

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	18.3	12830	PASS
75	95	30	66	47.2	33101	PASS
95	95	100	100	100.0	70203	PASS
96	95	5	9	7.0	4918	PASS
173	174	0.00	2	0.7	423	PASS
174	95	50	120	85.7	60187	PASS
175	174	4	9	7.3	4410	PASS
176	174	93	101	94.8	57075	PASS
177	176	5	9	6.4	3652	PASS

7w10575.D M7W305.M Tue Nov 19 04:46:34 2024

Average of 13.473 to 13.479 min.: 7w10575.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	475	51.05	4235	63.90	177	76.05	2751
37.05	2709	51.95	158	65.00	37	77.00	389
38.05	2533	55.00	140	66.85	109	77.80	90
39.05	947	56.00	916	67.10	37	77.95	221
42.90	23	57.00	1757	68.00	6431	78.90	1509
43.95	261	57.90	27	69.00	6603	79.85	467
44.95	636	58.10	20	69.95	418	80.90	1455
47.05	1056	59.95	592	72.00	348	81.90	341
48.00	407	61.00	3253	73.00	2933	85.85	76
49.00	2644	62.00	3100	74.00	11184	87.00	3069
50.10	12830	63.05	2183	75.00	33101	88.00	3197

Average of 13.473 to 13.479 min.: 7w10575.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
90.90	255	109.90	18	129.95	257	146.90	19
92.00	1740	110.80	17	130.85	68	147.85	138
93.00	2896	112.80	29	134.80	126	149.90	44
94.00	7840	114.75	68	136.80	115	152.90	28
95.00	70203	115.85	259	139.80	18	154.90	165
96.00	4918	116.85	426	140.95	528	156.95	137
96.95	169	117.90	226	141.95	63	158.80	72
103.85	284	118.95	352	142.90	664	160.80	50
104.70	19	127.85	254	143.70	17	171.70	27
104.90	64	128.80	58	144.90	40	171.85	79
105.80	241	128.95	102	145.90	126	172.70	98

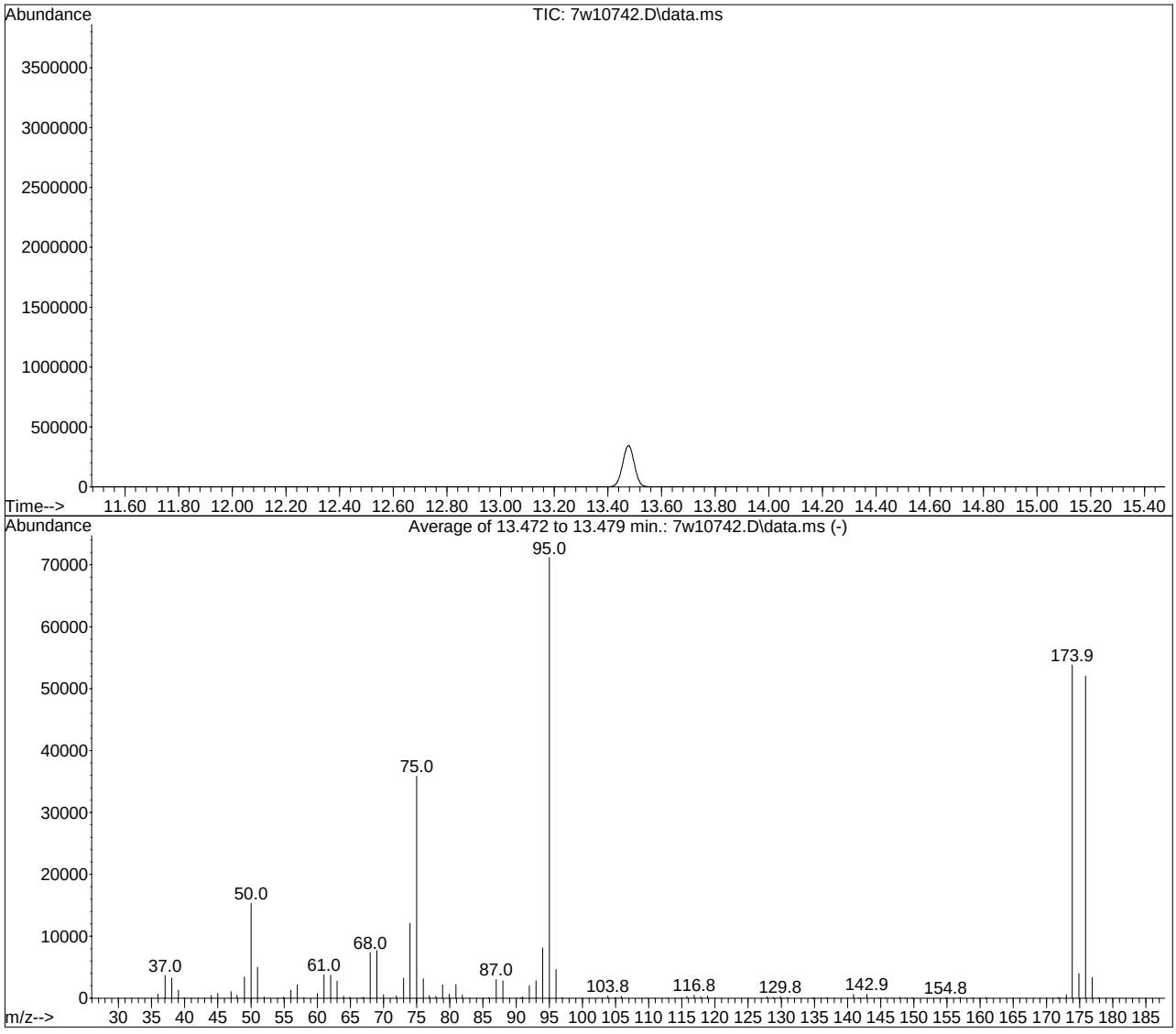
Average of 13.473 to 13.479 min.: 7w10575.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
173.05	423						
174.00	60187						
174.95	4410						
176.00	57075						
176.95	3652						
177.85	105						

BFB

Data File : X:\Dayton VOA GCMS\g...2024\V7W392\7w10742.D Vial: 1
Acq On : 25 Nov 2024 8:36 am Operator: williamc
Sample : bfb Inst : MS7W
Misc : MS87372,v7w392,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7W305.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um



AutoFind: Scans 4163, 4164, 4165; Background Corrected with Scan 4136

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	21.5	15330	PASS
75	95	30	66	50.4	35867	PASS
95	95	100	100	100.0	71168	PASS
96	95	5	9	6.5	4636	PASS
173	174	0.00	2	1.0	555	PASS
174	95	50	120	75.6	53835	PASS
175	174	4	9	7.4	3970	PASS
176	174	93	101	96.7	52037	PASS
177	176	5	9	6.4	3340	PASS

7w10742.D M7W305.M Mon Nov 25 21:29:15 2024

Average of 13.472 to 13.479 min.: 7w10742.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.95	641	51.00	4982	64.90	144	76.90	403
37.05	3658	52.00	195	66.70	51	77.90	308
38.05	3278	54.95	198	66.95	138	78.90	2163
39.05	1292	56.00	1308	68.00	7370	79.90	654
39.90	49	57.00	2150	69.00	7690	80.90	2160
44.00	441	57.95	73	70.00	553	81.90	543
45.00	753	60.00	718	71.95	405	85.85	78
47.00	1071	61.00	3758	73.00	3211	87.00	3023
47.90	460	62.00	3712	74.00	12109	88.00	2797
49.00	3430	63.00	2770	75.00	35867	90.70	58
50.00	15330	63.95	296	76.00	3130	91.00	223

Average of 13.472 to 13.479 min.: 7w10742.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
92.00	2017	112.75	43	134.90	74	148.70	17
93.00	2791	114.80	24	136.80	86	149.80	54
94.00	8088	115.75	264	137.00	34	154.80	124
95.00	71168	116.85	460	139.95	38	155.00	65
96.00	4636	117.85	217	140.90	597	156.95	107
96.95	121	118.85	364	141.75	57	158.85	86
103.85	357	127.85	236	142.90	649	160.85	120
104.95	92	128.85	136	144.90	53	171.80	108
105.85	320	129.85	257	145.75	98	172.00	45
109.70	17	130.85	98	146.70	18	173.00	555
110.85	39	134.70	35	147.85	128	173.90	53835

Average of 13.472 to 13.479 min.: 7w10742.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
174.90	3970						
175.90	52037						
176.90	3340						
177.85	124						

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55459.D
Acq On : 9 Dec 2024 4:14 am
Operator : benk
Sample : ic2125-0.04
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 14:26:47 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.663	128	339655	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.835	114	1562017	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	15.347	82	815644	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.663	128	339655	10.00	PPBV	#	0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	17.592	95	987267	10.65	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 106.50%				
Target Compounds							Qvalue
2) FREON 115	3.466	119	2172	0.04	PPBV		97
3) FREON 152A	3.546	65	1042	0.04	PPBV		94
4) CHLORODIFLUOROMETHANE	3.576	67	402	0.03	PPBV	#	42
5) CHLOROTRIFLUOROETHENE	3.613	116	2393	0.04	PPBV		98
6) DICHLORODIFLUOROMETHANE	3.656	85	5059	0.04	PPBV		99
7) PROPYLENE	3.601	41	1813	0.06	PPBV	#	71
8) 1-CHLORO-1,1-DIFLUOROE...	3.760	65	5772	0.05	PPBV		93
9) FREON 114	3.839	85	6871	0.04	PPBV		95
10) CHLOROMETHANE	3.778	52	563	0.04	PPBV	#	19
11) VINYL CHLORIDE	3.931	62	2457	0.04	PPBV	#	88
12) 1,3-BUTADIENE	4.035	54	2084	0.06	PPBV	#	65
15) CHLOROETHANE	4.365	64	1195	0.05	PPBV		73
16) DICHLOROFLUOROMETHANE	4.421	67	6506	0.05	PPBV	#	97
19) FREON 123	4.739	83	6283	0.05	PPBV	#	69
20) FREON 123A	4.782	117	3192	0.05	PPBV	#	67
21) TRICHLOROFLUOROMETHANE	4.947	101	4659	0.04	PPBV		93
24) PENTANE	5.234	42	1715	0.05	PPBV		85
25) IODOMETHANE	5.424	142	3839	0.04	PPBV		98
26) 1,1-DICHLOROETHYLENE	5.491	96	1503	0.04	PPBV		85
27) CARBON DISULFIDE	5.846	76	3987	0.04	PPBV	#	71
29) BROMOETHENE	4.629	106	2097	0.04	PPBV	#	72
31) METHYLENE CHLORIDE	5.595	84	1675	0.05	PPBV		87
32) 3-CHLOROPROPENE	5.693	76	558	0.03	PPBV	#	1
33) FREON 113	5.822	151	2213	0.04	PPBV		85
34) TRANS-1,2-DICHLOROETHY...	6.452	96	1478	0.04	PPBV		87
35) TERTIARY BUTYL ALCOHOL	5.662	59	2332	0.03	PPBV	#	69
36) METHYL TERTIARY BUTYL ...	6.806	73	3795	0.04	PPBV		88
38) HEXANE	7.706	57	1901	0.03	PPBV	#	76
40) 1,1-DICHLOROETHANE	6.647	63	2879	0.04	PPBV		87
42) cis-1,2-DICHLOROETHYLENE	7.492	96	1626	0.04	PPBV		83
46) CHLOROFORM	7.810	83	3517	0.04	PPBV		96
47) 2,4-DIMETHYLPENTANE	8.666	57	2035	0.03	PPBV		84
48) 1,1,1-TRICHLOROETHANE	8.874	97	3477	0.04	PPBV		94
49) CARBON TETRACHLORIDE	9.572	117	3442	0.04	PPBV		88
50) 1,2-DICHLOROETHANE	8.611	62	2033	0.03	PPBV	#	91
52) BENZENE	9.400	78	4500	0.04	PPBV		98
53) CYCLOHEXANE	9.694	84	1364	0.03	PPBV		88
54) 2,3-DIMETHYLPENTANE	10.000	71	683	0.03	PPBV	#	38
55) TRICHLOROETHYLENE	10.655	95	2173	0.04	PPBV		93
56) 1,2-DICHLOROPROPANE	10.373	63	1879	0.04	PPBV		67
57) DIBROMOMETHANE	10.349	174	2796	0.05	PPBV		95
59) BROMODICHLOROMETHANE	10.606	83	3467	0.03	PPBV		99
60) 2,2,4-TRIMETHYLPENTANE	10.691	57	6036	0.03	PPBV	#	91
62) HEPTANE	11.040	43	2264	0.03	PPBV		83
65) cis-1,3-DICHLOROPROPENE	11.756	75	2163	0.03	PPBV		73
66) TOLUENE	12.979	92	2538	0.03	PPBV		95
67) 1,3-DICHLOROPROPANE	13.028	76	2245	0.03	PPBV	#	80

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55459.D
Acq On : 9 Dec 2024 4:14 am
Operator : benk
Sample : ic2125-0.04
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 14:26:47 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

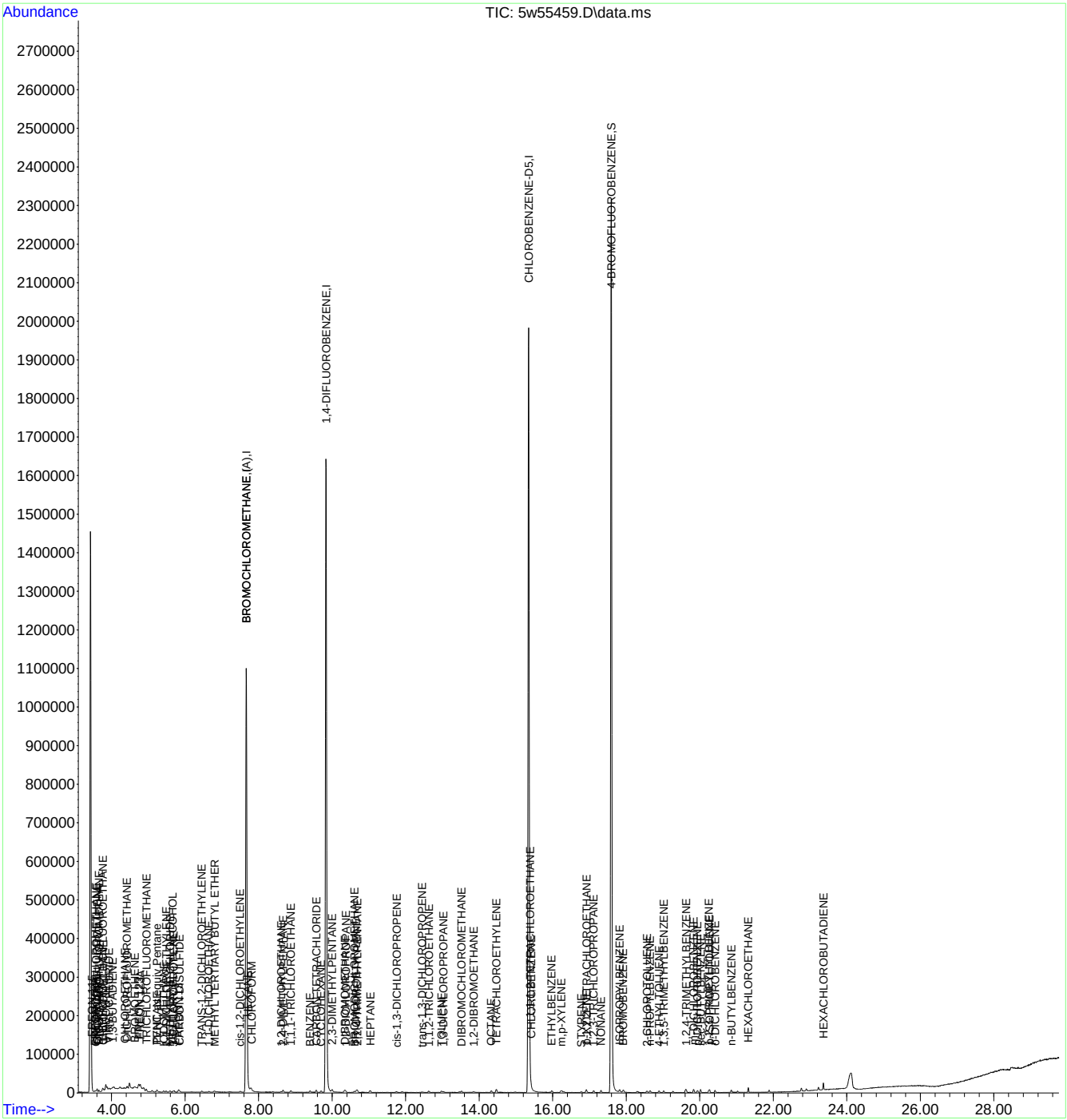
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
68)	trans-1,3-DICHLOROPROPENE	12.441	75	1621	0.02	PPBV	#	72
69)	1,1,2-TRICHLOROETHANE	12.631	83	1711	0.03	PPBV		91
73)	TETRACHLOROETHYLENE	14.466	164	2289	0.04	PPBV		96
74)	DIBROMOCHLOROMETHANE	13.518	129	2451	0.02	PPBV		92
75)	1,2-DIBROMOETHANE	13.848	107	2444	0.03	PPBV	#	99
76)	OCTANE	14.325	43	2490	0.03	PPBV		88
77)	1,1,1,2-TETRACHLOROETHANE	15.390	131	2034	0.03	PPBV		90
78)	CHLOROBENZENE	15.414	112	4300	0.04	PPBV	#	48
79)	ETHYLBENZENE	15.971	91	5680	0.03	PPBV		91
80)	m,p-XYLENE	16.234	106	3582	0.05	PPBV	#	78
81)	o-XYLENE	16.913	106	1696	0.03	PPBV		91
82)	STYRENE	16.778	104	2235	0.02	PPBV		85
83)	NONANE	17.311	43	2668	0.03	PPBV	#	83
86)	1,1,2,2-TETRACHLOROETHANE	16.925	83	4487	0.04	PPBV	#	92
87)	1,2,3-TRICHLOROPROPANE	17.109	75	3082	0.04	PPBV		85
88)	ISOPROPYLBENZENE	17.818	105	6235	0.03	PPBV		95
89)	BROMOBENZENE	17.916	77	3942	0.04	PPBV		88
90)	2-CHLOROTOLUENE	18.565	126	1257	0.03	PPBV		59
91)	n-PROPYLBENZENE	18.644	120	1200	0.02	PPBV	#	61
92)	4-ETHYLTOLUENE	18.889	105	4926	0.03	PPBV	#	97
93)	1,3,5-TRIMETHYLBENZENE	19.017	105	4056	0.03	PPBV		94
96)	1,2,4-TRIMETHYLBENZENE	19.635	105	4381	0.03	PPBV		95
97)	m-DICHLOROBENZENE	19.831	146	3796	0.03	PPBV		91
99)	p-DICHLOROBENZENE	19.935	146	3500	0.03	PPBV		96
100)	sec-BUTYLBENZENE	20.027	134	1089	0.03	PPBV	#	90
101)	1,2,3-TRIMETHYLBENZENE	20.241	105	4328	0.03	PPBV	#	95
102)	p-ISOPROPYLTOLUENE	20.265	134	1184	0.02	PPBV		94
103)	o-DICHLOROBENZENE	20.418	146	3642	0.03	PPBV		99
104)	n-BUTYLBENZENE	20.865	134	927	0.02	PPBV	#	53
105)	HEXACHLOROETHANE	21.318	117	2307	0.03	PPBV		94
106)	HEXACHLOROBUTADIENE	23.367	225	3647	0.03	PPBV		91
110)	TVHC as equiv Pentane	5.234	TIC	13331	0.06	PPBV		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55459.D
Acq On : 9 Dec 2024 4:14 am
Operator : benk
Sample : ic2125-0.04
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 14:26:47 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55460.D
Acq On : 9 Dec 2024 4:54 am
Operator : benk
Sample : ic2125-0.1
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 14:26:58 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.669	128	333430	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.835	114	1533309	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	15.347	82	804190	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.669	128	333430	10.00	PPBV	#	0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	17.592	95	985635	10.78	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 107.80%				
Target Compounds							Qvalue
2) FREON 115	3.472	119	5523	0.10	PPBV		97
3) FREON 152A	3.552	65	2440	0.10	PPBV		99
4) CHLORODIFLUOROMETHANE	3.588	67	1205	0.09	PPBV		74
5) CHLOROTRIFLUOROETHENE	3.613	116	5398	0.09	PPBV		95
6) DICHLORODIFLUOROMETHANE	3.656	85	12499	0.10	PPBV		99
7) PROPYLENE	3.607	41	3754	0.13	PPBV		84
8) 1-CHLORO-1,1-DIFLUOROE...	3.760	65	13615	0.11	PPBV		97
9) FREON 114	3.845	85	17687	0.12	PPBV		99
10) CHLOROMETHANE	3.784	52	1884	0.12	PPBV	#	78
11) VINYL CHLORIDE	3.931	62	5930	0.11	PPBV		94
12) 1,3-BUTADIENE	4.035	54	4083	0.11	PPBV	#	72
13) n-BUTANE	4.072	43	9842	0.15	PPBV	#	95
14) BROMOMETHANE	4.231	94	8281	0.15	PPBV		91
15) CHLOROETHANE	4.365	64	2881	0.12	PPBV		85
16) DICHLOROFLUOROMETHANE	4.427	67	14568	0.12	PPBV		97
17) ACETONITRILE	4.647	41	4678	0.12	PPBV	#	65
18) ACROLEIN	4.739	56	2049	0.11	PPBV	#	1
19) FREON 123	4.739	83	14828	0.12	PPBV		96
20) FREON 123A	4.788	117	7831	0.12	PPBV		84
21) TRICHLOROFLUOROMETHANE	4.947	101	11923	0.11	PPBV		98
22) ISOPROPYL ALCOHOL	5.093	45	9920	0.14	PPBV		92
24) PENTANE	5.240	42	3946	0.11	PPBV		98
25) IODOMETHANE	5.424	142	9585	0.10	PPBV		96
26) 1,1-DICHLOROETHYLENE	5.485	96	3785	0.11	PPBV		88
27) CARBON DISULFIDE	5.858	76	10145	0.10	PPBV		92
29) BROMOETHENE	4.622	106	5236	0.10	PPBV		91
31) METHYLENE CHLORIDE	5.601	84	3905	0.11	PPBV		95
32) 3-CHLOROPROPENE	5.705	76	1660	0.10	PPBV	#	52
33) FREON 113	5.828	151	6007	0.10	PPBV		98
34) TRANS-1,2-DICHLOROETHY...	6.458	96	4040	0.11	PPBV		81
35) TERTIARY BUTYL ALCOHOL	5.650	59	6051	0.08	PPBV		93
36) METHYL TERTIARY BUTYL ...	6.794	73	8939	0.09	PPBV		95
37) TETRAHYDROFURAN	8.366	72	939	0.06	PPBV	#	61
38) HEXANE	7.712	57	4501	0.08	PPBV		85
40) 1,1-DICHLOROETHANE	6.647	63	7146	0.10	PPBV		98
41) METHYL ETHYL KETONE	7.155	72	815	0.05	PPBV	#	82
42) cis-1,2-DICHLOROETHYLENE	7.498	96	4154	0.10	PPBV		84
43) DIISOPROPYL ETHER	7.779	59	1194	0.07	PPBV	#	60
44) ETHYL ACETATE	7.834	61	535	0.04	PPBV	#	38
46) CHLOROFORM	7.810	83	8944	0.10	PPBV		91
47) 2,4-DIMETHYLPENTANE	8.666	57	5058	0.08	PPBV		87
48) 1,1,1-TRICHLOROETHANE	8.874	97	9054	0.10	PPBV		96
49) CARBON TETRACHLORIDE	9.572	117	8961	0.09	PPBV		97
50) 1,2-DICHLOROETHANE	8.611	62	5541	0.09	PPBV		96
52) BENZENE	9.400	78	10879	0.09	PPBV		98
53) CYCLOHEXANE	9.706	84	3668	0.08	PPBV		94
54) 2,3-DIMETHYLPENTANE	10.000	71	1964	0.08	PPBV	#	73

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55460.D
Acq On : 9 Dec 2024 4:54 am
Operator : benk
Sample : ic2125-0.1
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 14:26:58 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

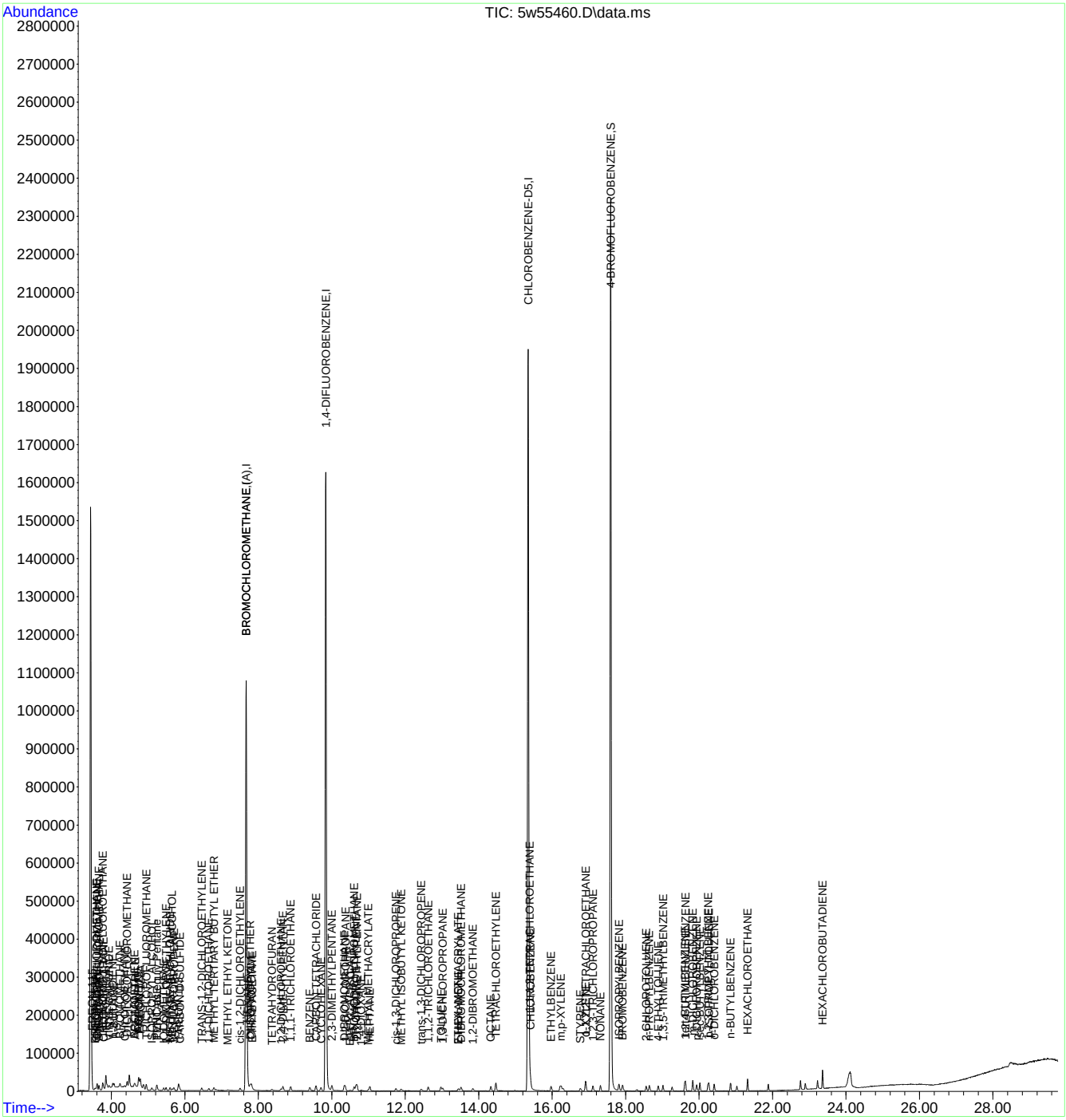
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
55)	TRICHLOROETHYLENE	10.654	95	5207	0.09	PPBV		94
56)	1,2-DICHLOROPROPANE	10.373	63	4453	0.09	PPBV		93
57)	DIBROMOMETHANE	10.342	174	5531	0.10	PPBV		90
58)	ETHYL ACRYLATE	10.495	55	4814	0.06	PPBV	#	73
59)	BROMODICHLOROMETHANE	10.605	83	8911	0.08	PPBV		99
60)	2,2,4-TRIMETHYLPENTANE	10.685	57	14978	0.08	PPBV		94
61)	1,4-DIOXANE	10.801	88	2000	0.07	PPBV	#	1
62)	HEPTANE	11.034	43	5175	0.08	PPBV		98
63)	METHYL METHACRYLATE	10.991	69	2482	0.06	PPBV	#	65
64)	METHYL ISOBUTYL KETONE	11.890	58	1969	0.06	PPBV	#	71
65)	cis-1,3-DICHLOROPROPENE	11.743	75	5623	0.07	PPBV		92
66)	TOLUENE	12.973	92	6560	0.08	PPBV		97
67)	1,3-DICHLOROPROPANE	13.022	76	6020	0.08	PPBV	#	91
68)	trans-1,3-DICHLOROPROPENE	12.429	75	4364	0.06	PPBV		84
69)	1,1,2-TRICHLOROETHANE	12.624	83	4269	0.09	PPBV		96
71)	2-HEXANONE	13.450	58	1982	0.04	PPBV	#	42
72)	ETHYL METHACRYLATE	13.432	69	3502	0.05	PPBV	#	90
73)	TETRACHLOROETHYLENE	14.472	164	5984	0.11	PPBV		99
74)	DIBROMOCHLOROMETHANE	13.517	129	7109	0.07	PPBV		95
75)	1,2-DIBROMOETHANE	13.836	107	7065	0.09	PPBV	#	99
76)	OCTANE	14.325	43	6427	0.08	PPBV		92
77)	1,1,1,2-TETRACHLOROETHANE	15.390	131	6008	0.10	PPBV		94
78)	CHLOROBENZENE	15.408	112	11162	0.10	PPBV	#	48
79)	ETHYLBENZENE	15.965	91	14102	0.08	PPBV		95
80)	m,p-XYLENE	16.234	106	9481	0.14	PPBV		99
81)	o-XYLENE	16.907	106	4760	0.07	PPBV		90
82)	STYRENE	16.766	104	6206	0.06	PPBV		94
83)	NONANE	17.310	43	6297	0.07	PPBV	#	91
86)	1,1,2,2-TETRACHLOROETHANE	16.913	83	11296	0.09	PPBV		99
87)	1,2,3-TRICHLOROPROPANE	17.109	75	8353	0.10	PPBV		99
88)	ISOPROPYLBENZENE	17.818	105	15817	0.08	PPBV		98
89)	BROMOBENZENE	17.916	77	9455	0.09	PPBV		95
90)	2-CHLOROTOLUENE	18.552	126	3541	0.07	PPBV		88
91)	n-PROPYLBENZENE	18.638	120	3339	0.07	PPBV		94
92)	4-ETHYLTOLUENE	18.883	105	13159	0.07	PPBV		99
93)	1,3,5-TRIMETHYLBENZENE	19.017	105	11418	0.07	PPBV		95
95)	tert-BUTYLBENZENE	19.617	134	2169	0.06	PPBV	#	89
96)	1,2,4-TRIMETHYLBENZENE	19.635	105	10880	0.06	PPBV		95
97)	m-DICHLOROBENZENE	19.825	146	9479	0.08	PPBV		98
99)	p-DICHLOROBENZENE	19.935	146	9928	0.09	PPBV		98
100)	sec-BUTYLBENZENE	20.021	134	2915	0.07	PPBV		92
101)	1,2,3-TRIMETHYLBENZENE	20.241	105	11857	0.07	PPBV	#	97
102)	p-ISOPROPYLTOLUENE	20.265	134	3311	0.07	PPBV		97
103)	o-DICHLOROBENZENE	20.412	146	9802	0.09	PPBV		99
104)	n-BUTYLBENZENE	20.853	134	2781	0.06	PPBV	#	75
105)	HEXACHLOROETHANE	21.318	117	6060	0.07	PPBV		96
106)	HEXACHLOROBUTADIENE	23.361	225	8613	0.08	PPBV		98
110)	TVHC as equiv Pentane	5.234	TIC	32564	0.14	PPBV		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55460.D
Acq On : 9 Dec 2024 4:54 am
Operator : benk
Sample : ic2125-0.1
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 14:26:58 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55461.D
Acq On : 9 Dec 2024 5:35 am
Operator : benk
Sample : ic2125-0.2
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 09:59:51 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.663	128	334972	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.829	114	1532765	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	15.347	82	812540	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.663	128	334972	10.00	PPBV	#	0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	17.592	95	990143	10.72	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 107.20%				
Target Compounds							Qvalue
2) FREON 115	3.460	119	9311	0.17	PPBV		97
3) FREON 152A	3.546	65	5104	0.20	PPBV		99
4) CHLORODIFLUOROMETHANE	3.576	67	2636	0.19	PPBV		89
5) CHLOROTRIFLUOROETHENE	3.607	116	11548	0.20	PPBV		99
6) DICHLORODIFLUOROMETHANE	3.656	85	25208	0.20	PPBV		98
7) PROPYLENE	3.601	41	6295	0.22	PPBV		91
8) 1-CHLORO-1,1-DIFLUOROE...	3.754	65	27839	0.22	PPBV		97
9) FREON 114	3.845	85	35981	0.24	PPBV		96
10) CHLOROMETHANE	3.772	52	3787	0.24	PPBV	#	76
11) VINYL CHLORIDE	3.931	62	12507	0.23	PPBV		99
12) 1,3-BUTADIENE	4.029	54	8476	0.24	PPBV		90
13) n-BUTANE	4.066	43	17914	0.27	PPBV	#	95
14) BROMOMETHANE	4.231	94	13070	0.24	PPBV		94
15) CHLOROETHANE	4.359	64	5838	0.24	PPBV		92
16) DICHLOROFLUOROMETHANE	4.420	67	28789	0.24	PPBV		99
17) ACETONITRILE	4.641	41	10098	0.26	PPBV	#	79
18) ACROLEIN	4.732	56	3711	0.20	PPBV	#	16
19) FREON 123	4.739	83	29093	0.24	PPBV		99
20) FREON 123A	4.781	117	16016	0.24	PPBV		91
21) TRICHLOROFLUOROMETHANE	4.940	101	24059	0.21	PPBV		99
22) ISOPROPYL ALCOHOL	5.087	45	17230	0.24	PPBV		79
23) ACETONE	4.861	58	9631	0.44	PPBV		93
24) PENTANE	5.234	42	7781	0.22	PPBV		98
25) IODOMETHANE	5.418	142	19206	0.19	PPBV		98
26) 1,1-DICHLOROETHYLENE	5.485	96	7466	0.21	PPBV		91
27) CARBON DISULFIDE	5.852	76	21129	0.20	PPBV		96
29) BROMOETHENE	4.616	106	11097	0.22	PPBV		97
30) ACRYLONITRILE	5.222	52	13028	0.58	PPBV		95
31) METHYLENE CHLORIDE	5.595	84	7591	0.22	PPBV		95
32) 3-CHLOROPROPENE	5.699	76	3438	0.20	PPBV	#	65
33) FREON 113	5.821	151	11480	0.19	PPBV		92
34) TRANS-1,2-DICHLOROETHY...	6.458	96	7568	0.20	PPBV		94
35) TERTIARY BUTYL ALCOHOL	5.638	59	12091	0.16	PPBV		94
36) METHYL TERTIARY BUTYL ...	6.776	73	17880	0.17	PPBV		92
37) TETRAHYDROFURAN	8.342	72	2081	0.12	PPBV	#	61
38) HEXANE	7.706	57	9519	0.17	PPBV	#	79
39) VINYL ACETATE	6.843	86	448	0.07	PPBV	#	1
40) 1,1-DICHLOROETHANE	6.653	63	14588	0.20	PPBV		98
41) METHYL ETHYL KETONE	7.137	72	2221	0.13	PPBV		100
42) cis-1,2-DICHLOROETHYLENE	7.498	96	7416	0.19	PPBV		99
43) DIISOPROPYL ETHER	7.767	59	2706	0.16	PPBV	#	82
44) ETHYL ACETATE	7.810	61	1722	0.14	PPBV	#	38
45) METHYL ACRYLATE	7.797	55	9313m	0.13	PPBV		
46) CHLOROFORM	7.804	83	18397	0.21	PPBV		92
47) 2,4-DIMETHYLPENTANE	8.666	57	11164	0.17	PPBV		90
48) 1,1,1-TRICHLOROETHANE	8.874	97	17633	0.20	PPBV		96
49) CARBON TETRACHLORIDE	9.565	117	18453	0.19	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55461.D
Acq On : 9 Dec 2024 5:35 am
Operator : benk
Sample : ic2125-0.2
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 09:59:51 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	8.611	62	12009	0.20	PPBV		98
52)	BENZENE	9.394	78	21730	0.19	PPBV		99
53)	CYCLOHEXANE	9.700	84	7528	0.16	PPBV		94
54)	2,3-DIMETHYLPENTANE	10.000	71	4203	0.17	PPBV	#	84
55)	TRICHLOROETHYLENE	10.648	95	10750	0.18	PPBV		98
56)	1,2-DICHLOROPROPANE	10.367	63	9173	0.19	PPBV		94
57)	DIBROMOMETHANE	10.336	174	11081	0.21	PPBV		96
58)	ETHYL ACRYLATE	10.477	55	10722	0.12	PPBV	#	89
59)	BROMODICHLOROMETHANE	10.605	83	18157	0.17	PPBV		98
60)	2,2,4-TRIMETHYLPENTANE	10.685	57	30352	0.16	PPBV		96
61)	1,4-DIOXANE	10.777	88	4553	0.16	PPBV	#	1
62)	HEPTANE	11.034	43	10843	0.17	PPBV		98
63)	METHYL METHACRYLATE	10.985	69	5874	0.14	PPBV		88
64)	METHYL ISOBUTYL KETONE	11.872	58	4610	0.13	PPBV	#	75
65)	cis-1,3-DICHLOROPROPENE	11.737	75	12276	0.15	PPBV		93
66)	TOLUENE	12.967	92	13467	0.16	PPBV		98
67)	1,3-DICHLOROPROPANE	13.022	76	12399	0.17	PPBV	#	99
68)	trans-1,3-DICHLOROPROPENE	12.429	75	10502	0.14	PPBV		92
69)	1,1,2-TRICHLOROETHANE	12.618	83	9074	0.19	PPBV		98
71)	2-HEXANONE	13.426	58	5591	0.12	PPBV	#	68
72)	ETHYL METHACRYLATE	13.426	69	7979	0.12	PPBV		92
73)	TETRACHLOROETHYLENE	14.466	164	11793	0.22	PPBV		98
74)	DIBROMOCHLOROMETHANE	13.511	129	14897	0.15	PPBV		98
75)	1,2-DIBROMOETHANE	13.836	107	14712	0.18	PPBV	#	97
76)	OCTANE	14.331	43	13225	0.16	PPBV		96
77)	1,1,1,2-TETRACHLOROETHANE	15.396	131	12320	0.19	PPBV		95
78)	CHLOROBENZENE	15.408	112	22541	0.21	PPBV		97
79)	ETHYLBENZENE	15.965	91	29130	0.17	PPBV		98
80)	m,p-XYLENE	16.240	106	19915	0.30	PPBV		97
81)	o-XYLENE	16.907	106	9697	0.15	PPBV		95
82)	STYRENE	16.760	104	13243	0.14	PPBV		97
83)	NONANE	17.310	43	13708	0.16	PPBV		97
84)	BROMOFORM	16.295	173	8706	0.09	PPBV		96
86)	1,1,2,2-TETRACHLOROETHANE	16.913	83	24040	0.20	PPBV		99
87)	1,2,3-TRICHLOROPROPANE	17.102	75	17778	0.21	PPBV		96
88)	ISOPROPYLBENZENE	17.818	105	32811	0.17	PPBV		99
89)	BROMOBENZENE	17.910	77	19537	0.19	PPBV		95
90)	2-CHLOROTOLUENE	18.552	126	7829	0.16	PPBV		94
91)	n-PROPYLBENZENE	18.638	120	7841	0.15	PPBV		100
92)	4-ETHYLTOLUENE	18.883	105	27822	0.15	PPBV		99
93)	1,3,5-TRIMETHYLBENZENE	19.017	105	24334	0.15	PPBV		100
94)	ALPHA-METHYLSTYRENE	19.262	118	9644	0.12	PPBV		97
95)	tert-BUTYLBENZENE	19.611	134	4755	0.14	PPBV		90
96)	1,2,4-TRIMETHYLBENZENE	19.629	105	25504	0.15	PPBV		99
97)	m-DICHLOROBENZENE	19.825	146	21451	0.17	PPBV		99
98)	BENZYL CHLORIDE	19.819	91	23238	0.13	PPBV		96
99)	p-DICHLOROBENZENE	19.929	146	21116	0.18	PPBV		99
100)	sec-BUTYLBENZENE	20.014	134	6501	0.16	PPBV	#	89
101)	1,2,3-TRIMETHYLBENZENE	20.235	105	25578	0.15	PPBV	#	100
102)	p-ISOPROPYLTOLUENE	20.265	134	7256	0.15	PPBV		94
103)	o-DICHLOROBENZENE	20.406	146	20937	0.19	PPBV		97
104)	n-BUTYLBENZENE	20.859	134	6435	0.14	PPBV	#	88
105)	HEXACHLOROETHANE	21.318	117	12703	0.15	PPBV		95
106)	HEXACHLOROBUTADIENE	23.361	225	17057	0.16	PPBV		97
107)	1,2,4-TRICHLOROBENZENE	23.220	180	16218	0.16	PPBV		98
108)	NAPHTHALENE	22.890	128	33921	0.14	PPBV		97
110)	TVHC as equiv Pentane	5.228	TIC	75387	0.32	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55461.D
Acq On : 9 Dec 2024 5:35 am
Operator : benk
Sample : ic2125-0.2
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 09:59:51 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

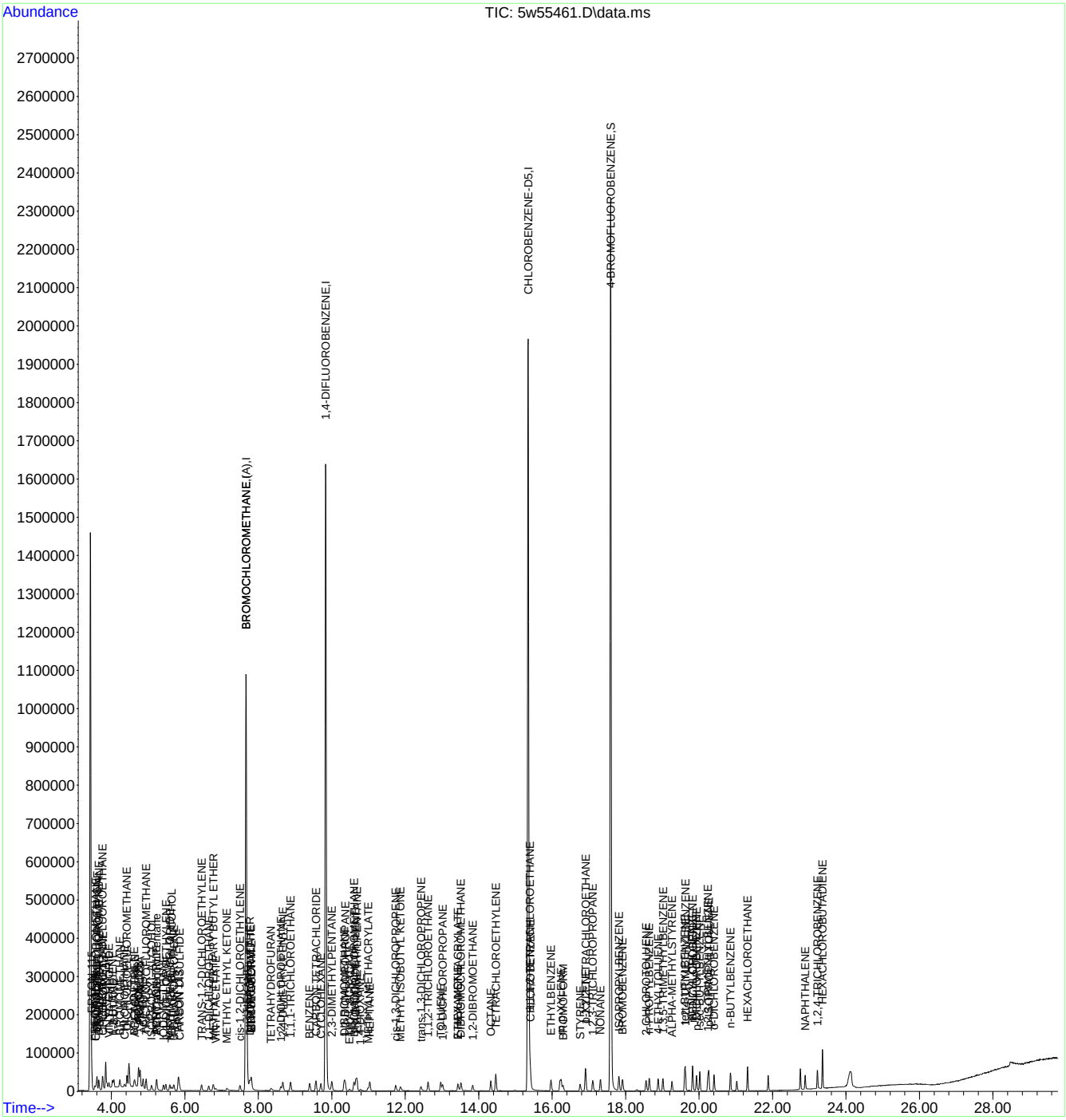
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55461.D
Acq On : 9 Dec 2024 5:35 am
Operator : benk
Sample : ic2125-0.2
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

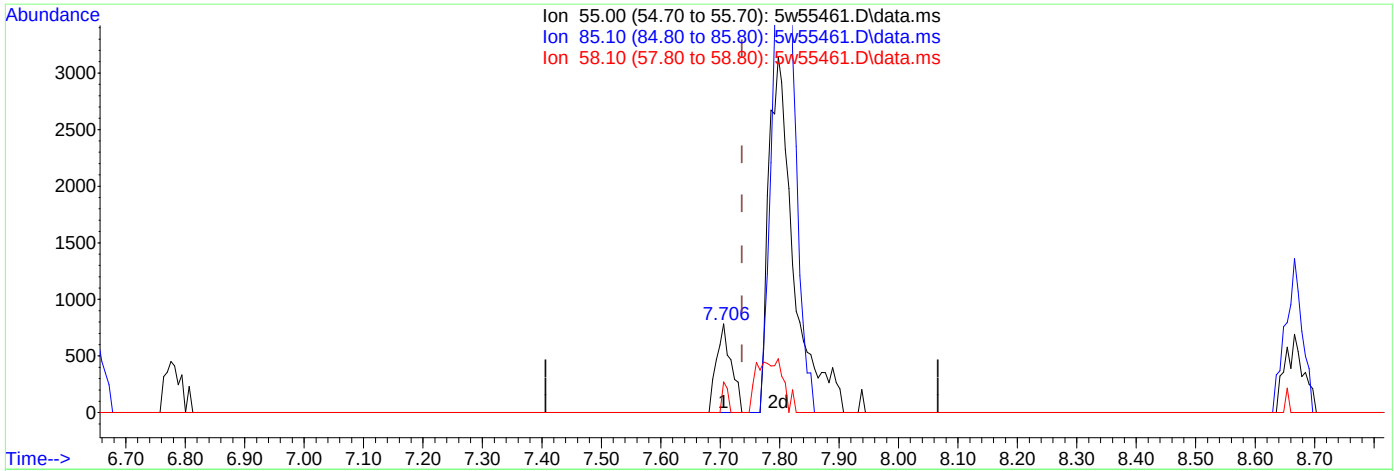
Quant Time: Dec 09 09:59:51 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

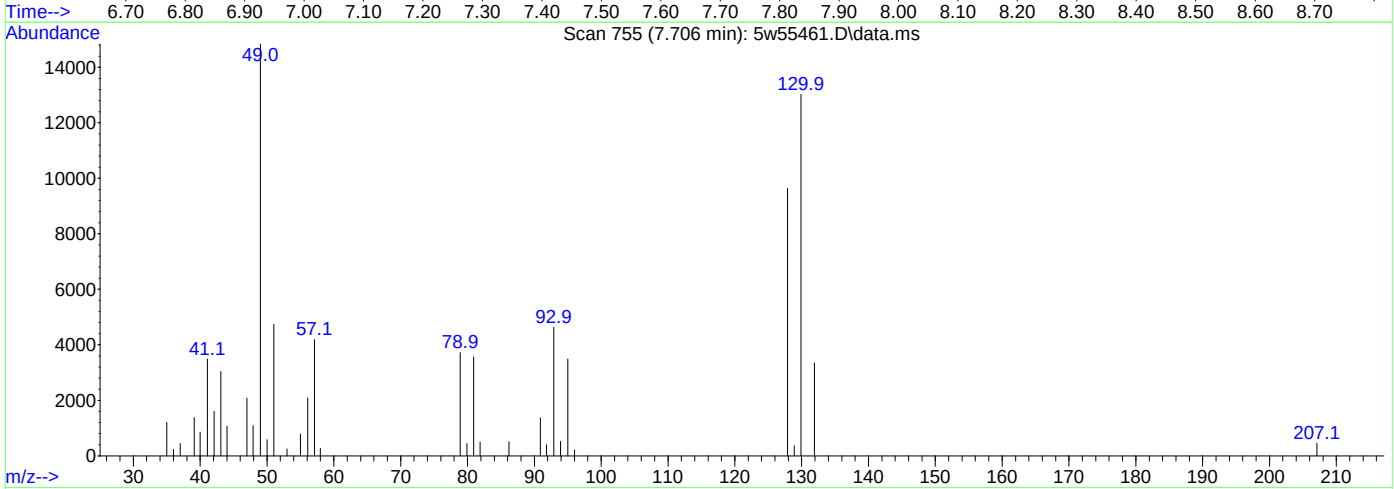


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 5w55461.D
Acq On : 9 Dec 2024 5:35 am
Operator : benk
Sample : ic2125-0.2
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 09:56:14 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration





TIC: 5w55461.D\data.ms

(45) METHYL ACRYLATE

7.706min (-0.031) 0.02PPBV

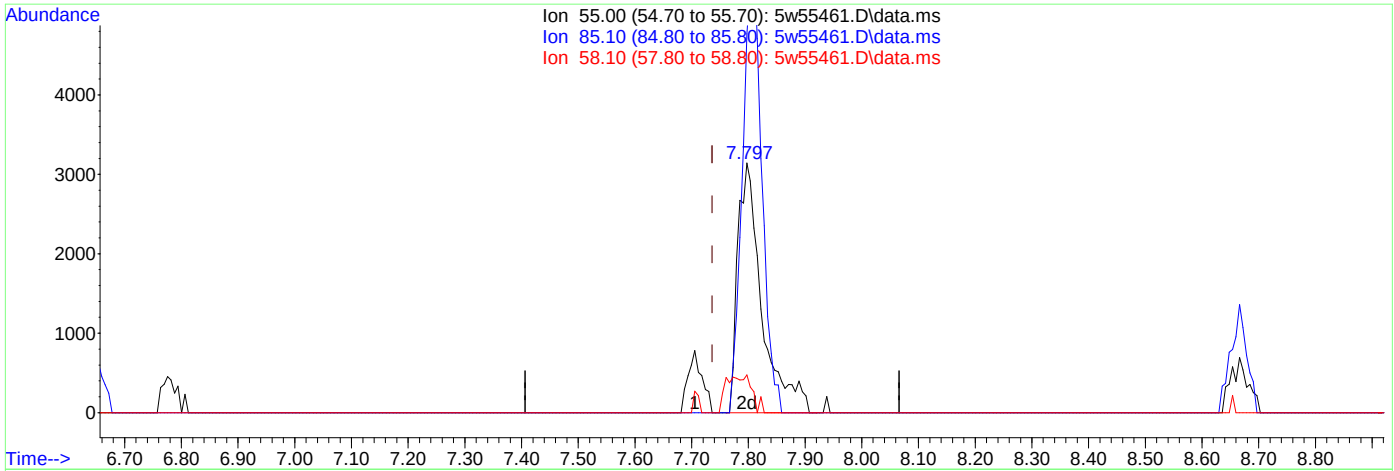
response 1349

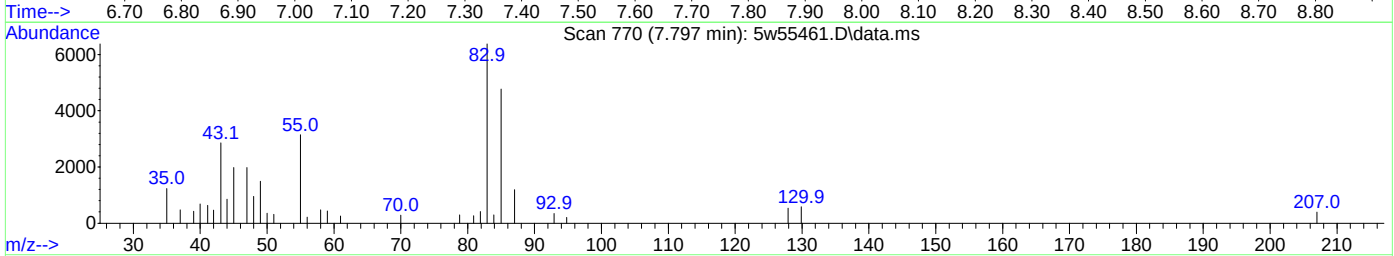
Ion	Exp%	Act%
55.00	100	100
85.10	16.30	0.00#
58.10	13.80	13.19
0.00	0.00	0.00

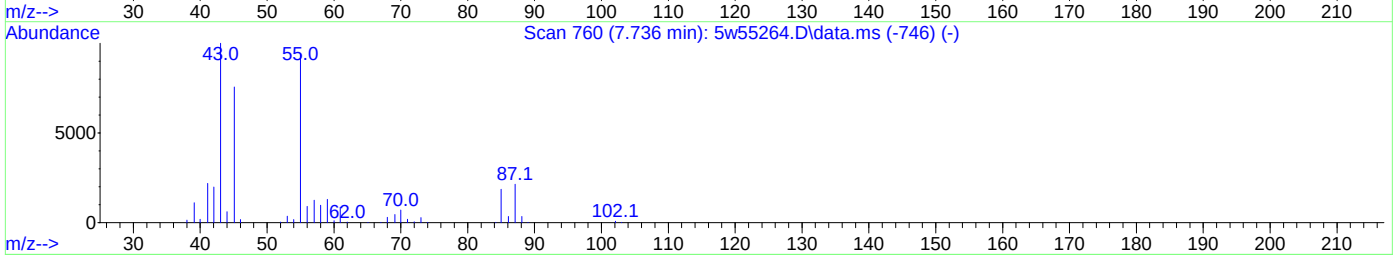
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 5w55461.D
Acq On : 9 Dec 2024 5:35 am
Operator : benk
Sample : ic2125-0.2
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 09:56:14 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration







TIC: 5w55461.D\data.ms

(45) METHYL ACRYLATE

7.797min (+0.061) 0.13PPBV m

response 9313

Ion	Exp%	Act%
55.00	100	100
85.10	16.30	0.00#
58.10	13.80	1.91#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55463.D
Acq On : 9 Dec 2024 6:59 am
Operator : benk
Sample : ic2125-0.5
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 09 10:05:07 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.663	128	330769	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.835	114	1512302	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	15.347	82	803446	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.663	128	330769	10.00	PPBV	#	0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	17.592	95	985952	10.80	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 108.00%				
Target Compounds							Qvalue
2) FREON 115	3.466	119	29319	0.53	PPBV		99
3) FREON 152A	3.546	65	13383	0.53	PPBV		99
4) CHLORODIFLUOROMETHANE	3.576	67	6908	0.51	PPBV		99
5) CHLOROTRIFLUOROETHENE	3.607	116	29810	0.52	PPBV		98
6) DICHLORODIFLUOROMETHANE	3.656	85	67318	0.54	PPBV		100
7) PROPYLENE	3.601	41	16353	0.57	PPBV		97
8) 1-CHLORO-1,1-DIFLUOROE...	3.754	65	72198	0.58	PPBV		99
9) FREON 114	3.839	85	94289	0.63	PPBV		96
10) CHLOROMETHANE	3.772	52	9386	0.61	PPBV		96
11) VINYL CHLORIDE	3.931	62	32272	0.60	PPBV		97
12) 1,3-BUTADIENE	4.029	54	22258	0.63	PPBV		92
13) n-BUTANE	4.066	43	46066	0.70	PPBV	#	95
14) BROMOMETHANE	4.231	94	34352	0.64	PPBV		99
15) CHLOROETHANE	4.359	64	15312	0.64	PPBV		97
16) DICHLOROFLUOROMETHANE	4.421	67	75373	0.64	PPBV		99
17) ACETONITRILE	4.635	41	25964	0.67	PPBV	#	91
18) ACROLEIN	4.733	56	11639	0.65	PPBV	#	70
19) FREON 123	4.733	83	77441	0.64	PPBV		99
20) FREON 123A	4.781	117	41439	0.64	PPBV		88
21) TRICHLOROFLUOROMETHANE	4.941	101	65623	0.59	PPBV		100
22) ISOPROPYL ALCOHOL	5.075	45	39268	0.56	PPBV		91
23) ACETONE	4.855	58	15107	0.70	PPBV		95
24) PENTANE	5.234	42	20184	0.57	PPBV		98
25) IODOMETHANE	5.418	142	52352	0.54	PPBV		99
26) 1,1-DICHLOROETHYLENE	5.479	96	19140	0.54	PPBV		99
27) CARBON DISULFIDE	5.852	76	57576	0.55	PPBV		94
28) ETHANOL	4.476	45	20172	0.78	PPBV		95
29) BROMOETHENE	4.622	106	29626	0.59	PPBV		94
30) ACRYLONITRILE	5.216	52	13527	0.61	PPBV		98
31) METHYLENE CHLORIDE	5.589	84	20169	0.60	PPBV		99
32) 3-CHLOROPROPENE	5.693	76	8647	0.50	PPBV		89
33) FREON 113	5.821	151	32099	0.55	PPBV		99
34) TRANS-1,2-DICHLOROETHY...	6.458	96	20028	0.53	PPBV		97
35) TERTIARY BUTYL ALCOHOL	5.620	59	35107	0.47	PPBV		94
36) METHYL TERTIARY BUTYL ...	6.757	73	52017	0.51	PPBV		94
37) TETRAHYDROFURAN	8.311	72	7703	0.46	PPBV		95
38) HEXANE	7.706	57	28766	0.51	PPBV		94
39) VINYL ACETATE	6.831	86	2531	0.38	PPBV	#	75
40) 1,1-DICHLOROETHANE	6.647	63	39839	0.56	PPBV		100
41) METHYL ETHYL KETONE	7.112	72	7562	0.44	PPBV		93
42) cis-1,2-DICHLOROETHYLENE	7.498	96	20793	0.53	PPBV		98
43) DIISOPROPYL ETHER	7.755	59	8150	0.47	PPBV	#	89
44) ETHYL ACETATE	7.791	61	5941	0.48	PPBV	#	72
45) METHYL ACRYLATE	7.773	55	30367m	0.44	PPBV		
46) CHLOROFORM	7.804	83	51722	0.59	PPBV		93
47) 2,4-DIMETHYLPENTANE	8.666	57	31054	0.49	PPBV		91
48) 1,1,1-TRICHLOROETHANE	8.874	97	49711	0.56	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55463.D
Acq On : 9 Dec 2024 6:59 am
Operator : benk
Sample : ic2125-0.5
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 09 10:05:07 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
49) CARBON TETRACHLORIDE	9.566	117	51155	0.54	PPBV		99
50) 1,2-DICHLOROETHANE	8.605	62	32790	0.56	PPBV		100
52) BENZENE	9.400	78	61342	0.54	PPBV		99
53) CYCLOHEXANE	9.700	84	22074	0.49	PPBV		99
54) 2,3-DIMETHYLPENTANE	10.000	71	12638	0.53	PPBV		99
55) TRICHLOROETHYLENE	10.648	95	29925	0.51	PPBV		99
56) 1,2-DICHLOROPROPANE	10.361	63	24473	0.52	PPBV		99
57) DIBROMOMETHANE	10.336	174	25731	0.49	PPBV		94
58) ETHYL ACRYLATE	10.459	55	34390	0.41	PPBV		97
59) BROMODICHLOROMETHANE	10.606	83	54534	0.51	PPBV		98
60) 2,2,4-TRIMETHYLPENTANE	10.685	57	91844	0.50	PPBV		99
61) 1,4-DIOXANE	10.752	88	11768	0.42	PPBV	#	1
62) HEPTANE	11.028	43	32330	0.51	PPBV		98
63) METHYL METHACRYLATE	10.966	69	18848	0.46	PPBV		83
64) METHYL ISOBUTYL KETONE	11.847	58	14953	0.43	PPBV		90
65) cis-1,3-DICHLOROPROPENE	11.737	75	36246	0.46	PPBV		98
66) TOLUENE	12.967	92	37107	0.44	PPBV		94
67) 1,3-DICHLOROPROPANE	13.016	76	36900	0.51	PPBV	#	99
68) trans-1,3-DICHLOROPROPENE	12.422	75	30719	0.41	PPBV		98
69) 1,1,2-TRICHLOROETHANE	12.618	83	25850	0.54	PPBV		96
71) 2-HEXANONE	13.414	58	18867	0.40	PPBV		81
72) ETHYL METHACRYLATE	13.420	69	27662	0.41	PPBV		96
73) TETRACHLOROETHYLENE	14.466	164	29587	0.56	PPBV		97
74) DIBROMOCHLOROMETHANE	13.511	129	49591	0.50	PPBV		99
75) 1,2-DIBROMOETHANE	13.830	107	43159	0.55	PPBV		100
76) OCTANE	14.331	43	39430	0.47	PPBV		98
77) 1,1,1,2-TETRACHLOROETHANE	15.390	131	33689	0.53	PPBV		99
78) CHLOROBENZENE	15.408	112	61057	0.57	PPBV		99
79) ETHYLBENZENE	15.965	91	85402	0.50	PPBV		100
80) m,p-XYLENE	16.234	106	62887	0.96	PPBV		97
81) o-XYLENE	16.901	106	31745	0.50	PPBV		99
82) STYRENE	16.754	104	41244	0.43	PPBV		99
83) NONANE	17.311	43	44116	0.51	PPBV		99
84) BROMOFORM	16.289	173	46583	0.47	PPBV		98
86) 1,1,2,2-TETRACHLOROETHANE	16.907	83	65656	0.55	PPBV		100
87) 1,2,3-TRICHLOROPROPANE	17.103	75	47874	0.57	PPBV		99
88) ISOPROPYLBENZENE	17.812	105	96512	0.51	PPBV		99
89) BROMOBENZENE	17.910	77	54823	0.55	PPBV		97
90) 2-CHLOROTOLUENE	18.552	126	22897	0.47	PPBV		98
91) n-PROPYLBENZENE	18.644	120	24216	0.48	PPBV		99
92) 4-ETHYLTOLUENE	18.883	105	90895	0.48	PPBV		98
93) 1,3,5-TRIMETHYLBENZENE	19.011	105	80703	0.51	PPBV		98
94) ALPHA-METHYLSTYRENE	19.256	118	33242	0.41	PPBV		98
95) tert-BUTYLBENZENE	19.611	134	15702	0.47	PPBV		96
96) 1,2,4-TRIMETHYLBENZENE	19.629	105	84521	0.49	PPBV		98
97) m-DICHLOROBENZENE	19.819	146	62123	0.50	PPBV		99
98) BENZYL CHLORIDE	19.813	91	70482	0.40	PPBV		99
99) p-DICHLOROBENZENE	19.923	146	63407	0.55	PPBV		99
100) sec-BUTYLBENZENE	20.015	134	20901	0.52	PPBV		93
101) 1,2,3-TRIMETHYLBENZENE	20.235	105	81958	0.48	PPBV	#	99
102) p-ISOPROPYLTOLUENE	20.265	134	24822	0.52	PPBV		99
103) o-DICHLOROBENZENE	20.406	146	59304	0.54	PPBV		100
104) n-BUTYLBENZENE	20.853	134	20380	0.44	PPBV	#	85
105) HEXACHLOROETHANE	21.318	117	42179	0.51	PPBV		98
106) HEXACHLOROBUTADIENE	23.361	225	47455	0.44	PPBV		98
107) 1,2,4-TRICHLOROBENZENE	23.220	180	41162	0.42	PPBV		100
108) NAPHTHALENE	22.890	128	92472	0.40	PPBV		98
110) TVHC as equiv Pentane	5.234	TIC	140261	0.60	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55463.D
Acq On : 9 Dec 2024 6:59 am
Operator : benk
Sample : ic2125-0.5
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 09 10:05:07 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

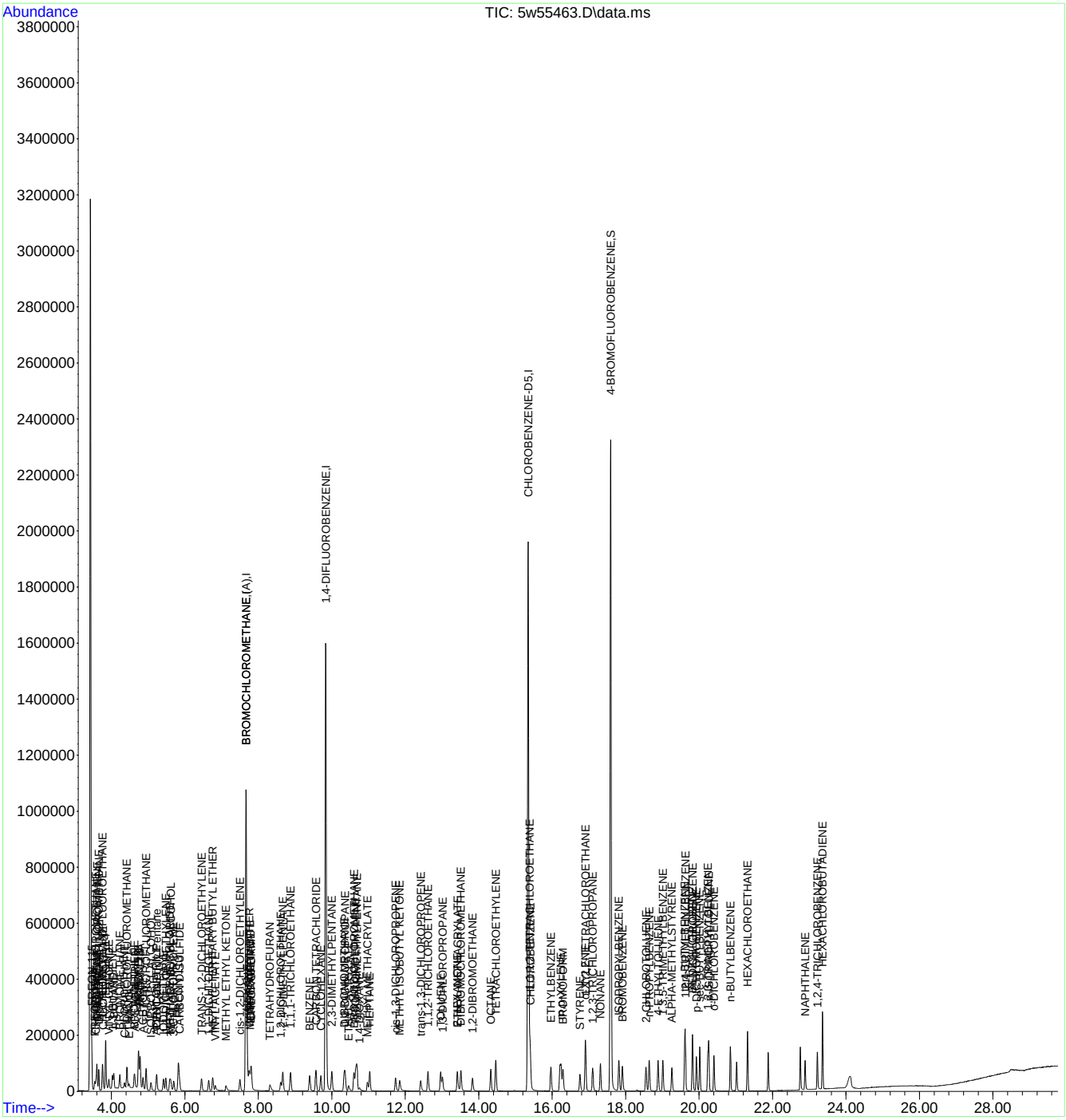
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55463.D
Acq On : 9 Dec 2024 6:59 am
Operator : benk
Sample : ic2125-0.5
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 6 Sample Multiplier: 1

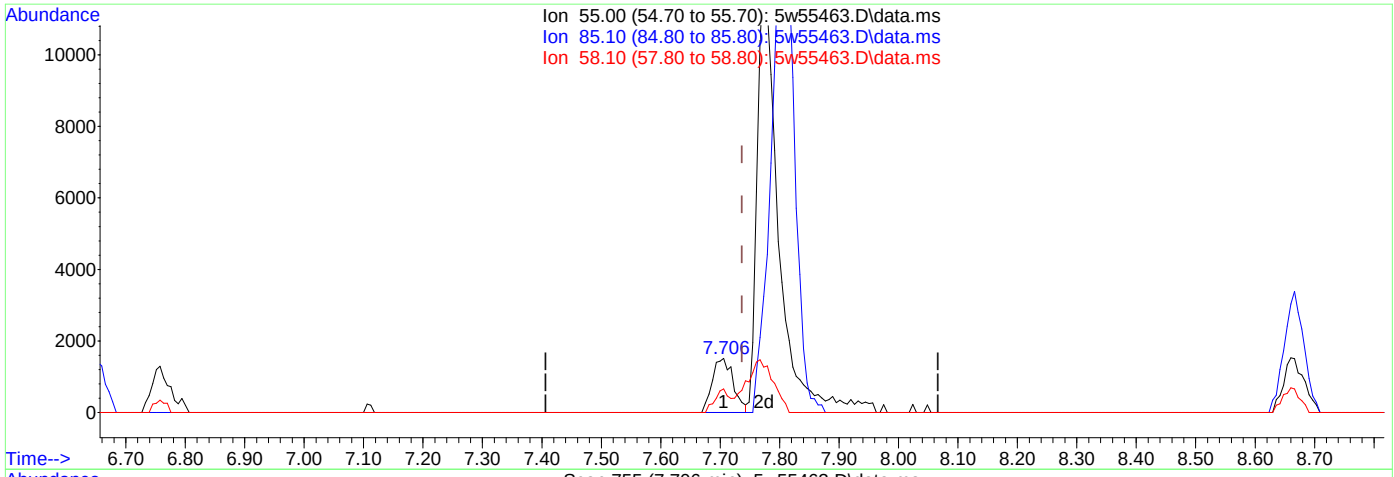
Quant Time: Dec 09 10:05:07 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

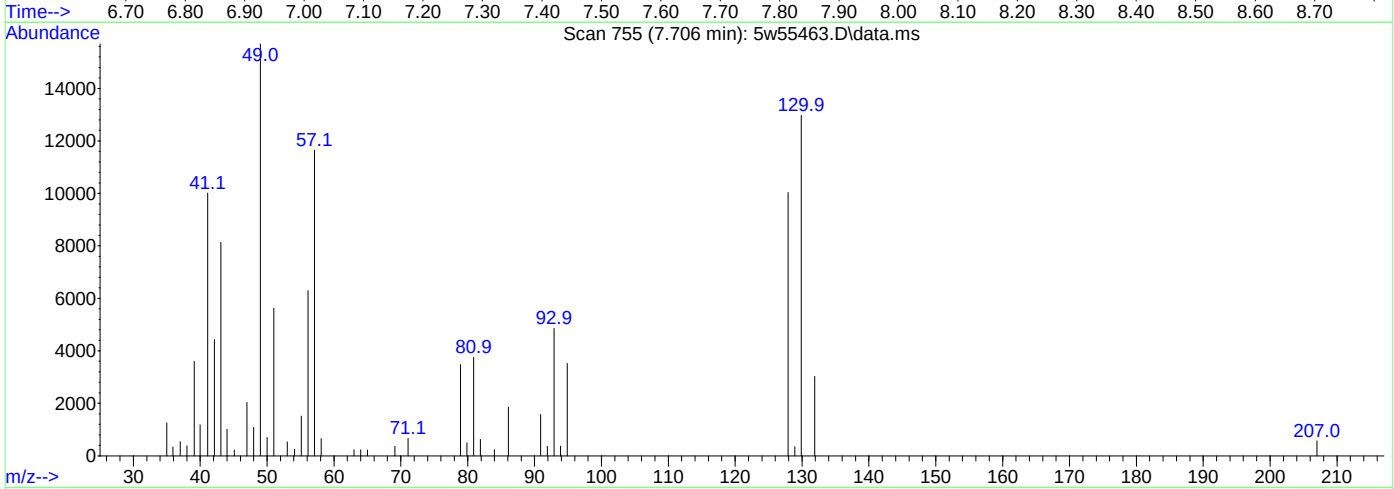


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 5w55463.D
Acq On : 9 Dec 2024 6:59 am
Operator : benk
Sample : ic2125-0.5
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 09 10:04:00 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration





TIC: 5w55463.D\data.ms

(45) METHYL ACRYLATE

7.706min (-0.031) 0.05PPBV

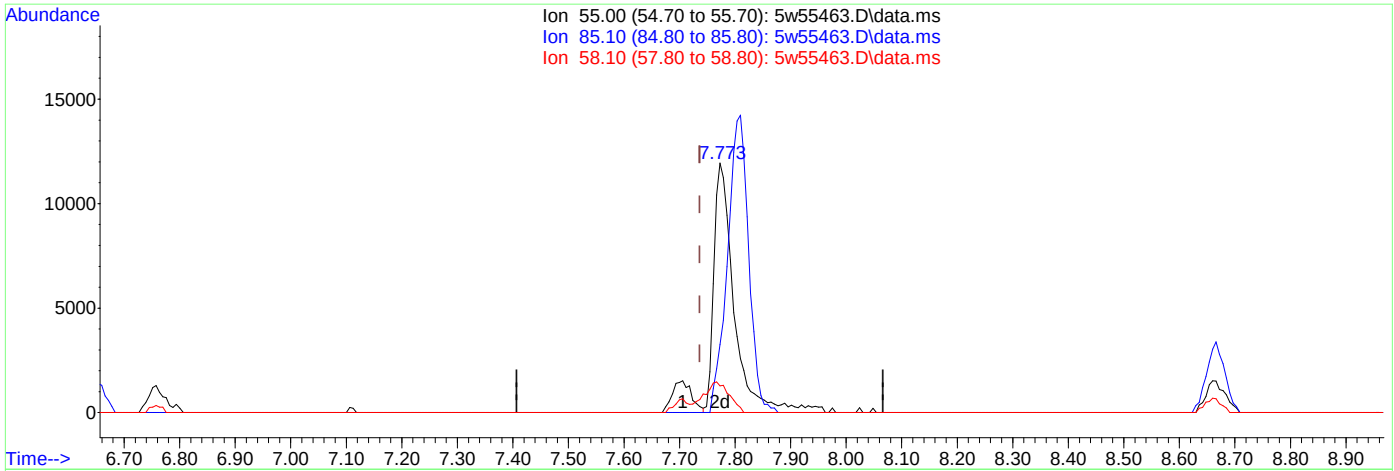
response 3694

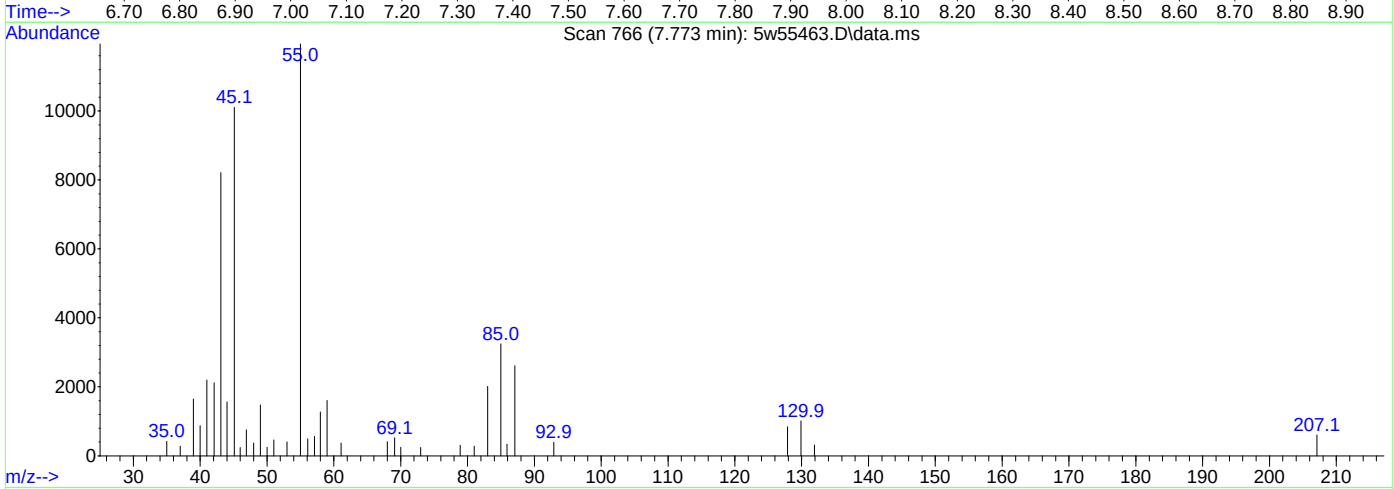
Ion	Exp%	Act%
55.00	100	100
85.10	16.30	0.00#
58.10	13.80	33.73#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 5w55463.D
Acq On : 9 Dec 2024 6:59 am
Operator : benk
Sample : ic2125-0.5
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 09 10:05:07 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration





TIC: 5w55463.D\data.ms

(45) METHYL ACRYLATE

7.773min (+0.037) 0.44PPBV m

response 30367

Ion	Exp%	Act%
55.00	100	100
85.10	16.30	0.00#
58.10	13.80	4.10#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55464.D
Acq On : 9 Dec 2024 7:45 am
Operator : benk
Sample : ic2125-5
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 09 10:08:17 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.669	128	327920	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.835	114	1483978	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	15.347	82	823417	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.669	128	327920	10.00	PPBV	#	0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	17.592	95	995950	10.64	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 106.40%				
Target Compounds							Qvalue
2) FREON 115	3.460	119	112593	2.06	PPBV		98
3) FREON 152A	3.546	65	138374	5.57	PPBV		99
4) CHLORODIFLUOROMETHANE	3.576	67	71231	5.35	PPBV		100
5) CHLOROTRIFLUOROETHENE	3.607	116	305049	5.34	PPBV		99
6) DICHLORODIFLUOROMETHANE	3.650	85	679721	5.49	PPBV		100
7) PROPYLENE	3.601	41	160514	5.68	PPBV		99
8) 1-CHLORO-1,1-DIFLUOROE...	3.754	65	719596	5.85	PPBV		99
9) FREON 114	3.839	85	918552	6.22	PPBV		97
10) CHLOROMETHANE	3.772	52	89496	5.90	PPBV	#	71
11) VINYL CHLORIDE	3.931	62	318611	5.93	PPBV		100
12) 1,3-BUTADIENE	4.029	54	216237	6.19	PPBV		98
13) n-BUTANE	4.066	43	413584	6.32	PPBV		98
14) BROMOMETHANE	4.231	94	319635	5.98	PPBV		98
15) CHLOROETHANE	4.353	64	140980	5.93	PPBV		99
16) DICHLOROFLUOROMETHANE	4.421	67	720353	6.14	PPBV		100
17) ACETONITRILE	4.622	41	231715	6.04	PPBV		100
18) ACROLEIN	4.714	56	103691	5.80	PPBV		99
19) FREON 123	4.733	83	730677	6.12	PPBV		99
20) FREON 123A	4.775	117	396421	6.14	PPBV		94
21) TRICHLOROFLUOROMETHANE	4.941	101	629552	5.66	PPBV		100
22) ISOPROPYL ALCOHOL	5.038	45	341979	4.90	PPBV		96
23) ACETONE	4.830	58	136235	6.39	PPBV		97
24) PENTANE	5.228	42	201069	5.72	PPBV		100
25) IODOMETHANE	5.418	142	526543	5.43	PPBV		100
26) 1,1-DICHLOROETHYLENE	5.479	96	189977	5.42	PPBV		100
27) CARBON DISULFIDE	5.852	76	580467	5.55	PPBV		99
28) ETHANOL	4.457	45	137349	5.34	PPBV		98
29) BROMOETHENE	4.616	106	289326	5.82	PPBV		99
30) ACRYLONITRILE	5.204	52	145480	6.60	PPBV		99
31) METHYLENE CHLORIDE	5.589	84	187716	5.61	PPBV		98
32) 3-CHLOROPROPENE	5.693	76	89978	5.26	PPBV		97
33) FREON 113	5.822	151	310417	5.35	PPBV		98
34) TRANS-1,2-DICHLOROETHY...	6.452	96	194904	5.24	PPBV		99
35) TERTIARY BUTYL ALCOHOL	5.558	59	337505	4.54	PPBV		98
36) METHYL TERTIARY BUTYL ...	6.715	73	543685	5.34	PPBV		99
37) TETRAHYDROFURAN	8.256	72	86439	5.17	PPBV		98
38) HEXANE	7.706	57	308459	5.52	PPBV		100
39) VINYL ACETATE	6.806	86	34745	5.27	PPBV	#	93
40) 1,1-DICHLOROETHANE	6.647	63	386526	5.53	PPBV		99
41) METHYL ETHYL KETONE	7.063	72	91801	5.38	PPBV		94
42) cis-1,2-DICHLOROETHYLENE	7.498	96	208218	5.31	PPBV		99
43) DIISOPROPYL ETHER	7.718	59	92706	5.43	PPBV		97
44) ETHYL ACETATE	7.761	61	65000	5.24	PPBV	#	38
45) METHYL ACRYLATE	7.736	55	368255	5.42	PPBV		98
46) CHLOROFORM	7.810	83	482374	5.58	PPBV		100
47) 2,4-DIMETHYLPENTANE	8.660	57	341067	5.46	PPBV		99
48) 1,1,1-TRICHLOROETHANE	8.874	97	479650	5.48	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55464.D
Acq On : 9 Dec 2024 7:45 am
Operator : benk
Sample : ic2125-5
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 09 10:08:17 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
49)	CARBON TETRACHLORIDE	9.566	117	513289	5.43	PPBV		100
50)	1,2-DICHLOROETHANE	8.605	62	319305	5.50	PPBV		99
52)	BENZENE	9.400	78	616501	5.51	PPBV		100
53)	CYCLOHEXANE	9.700	84	238638	5.36	PPBV		99
54)	2,3-DIMETHYLPENTANE	10.000	71	125899	5.37	PPBV		97
55)	TRICHLOROETHYLENE	10.648	95	298892	5.18	PPBV		99
56)	1,2-DICHLOROPROPANE	10.361	63	245875	5.34	PPBV		99
57)	DIBROMOMETHANE	10.336	174	261552	5.04	PPBV		97
58)	ETHYL ACRYLATE	10.416	55	425993	5.12	PPBV		99
59)	BROMODICHLOROMETHANE	10.606	83	540223	5.18	PPBV		100
60)	2,2,4-TRIMETHYLPENTANE	10.685	57	973540	5.44	PPBV		99
61)	1,4-DIOXANE	10.685	88	122741	4.50	PPBV	#	1
62)	HEPTANE	11.028	43	344774	5.60	PPBV		99
63)	METHYL METHACRYLATE	10.942	69	214720	5.32	PPBV		98
64)	METHYL ISOBUTYL KETONE	11.799	58	181412	5.28	PPBV		100
65)	cis-1,3-DICHLOROPROPENE	11.731	75	402547	5.22	PPBV		99
66)	TOLUENE	12.961	92	422478	5.15	PPBV		99
67)	1,3-DICHLOROPROPANE	13.004	76	379761	5.34	PPBV	#	99
68)	trans-1,3-DICHLOROPROPENE	12.410	75	358104	4.84	PPBV		100
69)	1,1,2-TRICHLOROETHANE	12.612	83	249437	5.34	PPBV		99
71)	2-HEXANONE	13.371	58	255379	5.25	PPBV		99
72)	ETHYL METHACRYLATE	13.389	69	365412	5.22	PPBV		99
73)	TETRACHLOROETHYLENE	14.466	164	302043	5.57	PPBV		99
74)	DIBROMOCHLOROMETHANE	13.511	129	540159	5.27	PPBV		100
75)	1,2-DIBROMOETHANE	13.823	107	450832	5.58	PPBV		100
76)	OCTANE	14.325	43	480408	5.59	PPBV		99
77)	1,1,1,2-TETRACHLOROETHANE	15.390	131	351959	5.45	PPBV		99
78)	CHLOROBENZENE	15.408	112	608780	5.52	PPBV		99
79)	ETHYLBENZENE	15.959	91	974334	5.59	PPBV		100
80)	m,p-XYLENE	16.234	106	735362	10.95	PPBV		98
81)	o-XYLENE	16.901	106	369565	5.63	PPBV		99
82)	STYRENE	16.748	104	552274	5.56	PPBV		99
83)	NONANE	17.311	43	513330	5.74	PPBV		100
84)	BROMOFORM	16.289	173	529096	5.17	PPBV		100
86)	1,1,2,2-TETRACHLOROETHANE	16.907	83	682433	5.57	PPBV		100
87)	1,2,3-TRICHLOROPROPANE	17.096	75	482523	5.57	PPBV		99
88)	ISOPROPYLBENZENE	17.812	105	1073018	5.53	PPBV		100
89)	BROMOBENZENE	17.904	77	566636	5.50	PPBV		98
90)	2-CHLOROTOLUENE	18.546	126	264838	5.36	PPBV		100
91)	n-PROPYLBENZENE	18.638	120	284766	5.48	PPBV		100
92)	4-ETHYLTOLUENE	18.877	105	1089019	5.65	PPBV		100
93)	1,3,5-TRIMETHYLBENZENE	19.011	105	921119	5.67	PPBV		100
94)	ALPHA-METHYLSTYRENE	19.256	118	437586	5.24	PPBV		99
95)	tert-BUTYLBENZENE	19.611	134	191242	5.58	PPBV		99
96)	1,2,4-TRIMETHYLBENZENE	19.623	105	990160	5.65	PPBV		99
97)	m-DICHLOROBENZENE	19.819	146	668502	5.25	PPBV		100
98)	BENZYL CHLORIDE	19.813	91	906932	5.04	PPBV		100
99)	p-DICHLOROBENZENE	19.923	146	664978	5.67	PPBV		100
100)	sec-BUTYLBENZENE	20.015	134	236216	5.70	PPBV		96
101)	1,2,3-TRIMETHYLBENZENE	20.235	105	964327	5.56	PPBV	#	100
102)	p-ISOPROPYLTOLUENE	20.259	134	276086	5.66	PPBV		100
103)	o-DICHLOROBENZENE	20.406	146	622668	5.58	PPBV		100
104)	n-BUTYLBENZENE	20.853	134	258808	5.51	PPBV		98
105)	HEXACHLOROETHANE	21.318	117	467063	5.52	PPBV		99
106)	HEXACHLOROBUTADIENE	23.367	225	522385	4.72	PPBV		100
107)	1,2,4-TRICHLOROBENZENE	23.220	180	465755	4.65	PPBV		99
108)	NAPHTHALENE	22.884	128	1115447	4.69	PPBV		99
110)	TVHC as equiv Pentane	5.228	TIC	1399979	6.08	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55464.D
Acq On : 9 Dec 2024 7:45 am
Operator : benk
Sample : ic2125-5
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 09 10:08:17 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

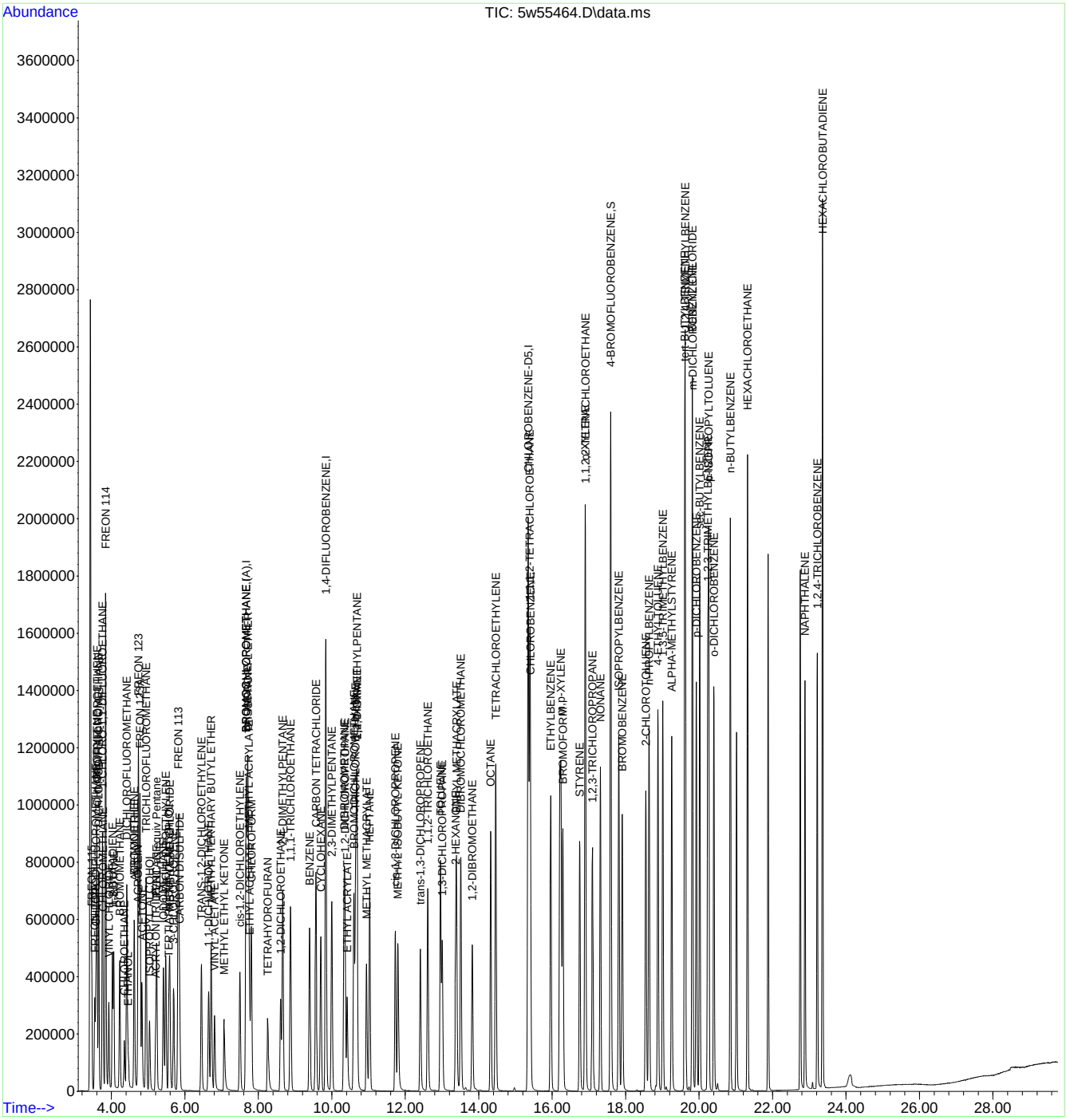
7.7.5

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55464.D
Acq On : 9 Dec 2024 7:45 am
Operator : benk
Sample : ic2125-5
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 09 10:08:17 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55466.D
Acq On : 9 Dec 2024 9:03 am
Operator : benk
Sample : icc2125-10
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 09:37:50 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.669	128	339202	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.835	114	1511260	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	15.347	82	875250	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.669	128	339202	10.00	PPBV	#	0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	17.592	95	994958	10.00	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 100.00%				
Target Compounds							Qvalue
2) FREON 115	3.466	119	605693	10.70	PPBV		100
3) FREON 152A	3.546	65	275104	10.70	PPBV		100
4) CHLORODIFLUOROMETHANE	3.576	67	146118	10.60	PPBV		100
5) CHLOROTRIFLUOROETHENE	3.607	116	620588	10.50	PPBV		100
6) DICHLORODIFLUOROMETHANE	3.656	85	1357955	10.60	PPBV		100
7) PROPYLENE	3.601	41	318393	10.90	PPBV		100
8) 1-CHLORO-1,1-DIFLUOROE...	3.754	65	1349681	10.60	PPBV		100
9) FREON 114	3.839	85	1681548	11.00	PPBV		100
10) CHLOROMETHANE	3.772	52	163220	10.40	PPBV		100
11) VINYL CHLORIDE	3.931	62	572748	10.30	PPBV		100
12) 1,3-BUTADIENE	4.029	54	390556	10.80	PPBV		100
13) n-BUTANE	4.066	43	731849	10.81	PPBV		100
14) BROMOMETHANE	4.231	94	580880	10.50	PPBV		100
15) CHLOROETHANE	4.353	64	255610	10.40	PPBV		100
16) DICHLOROFLUOROMETHANE	4.421	67	1285896	10.60	PPBV		100
17) ACETONITRILE	4.622	41	400956	10.10	PPBV		100
18) ACROLEIN	4.714	56	194255	10.50	PPBV		100
19) FREON 123	4.733	83	1310076	10.60	PPBV		100
20) FREON 123A	4.775	117	734746	11.00	PPBV		100
21) TRICHLOROFLUOROMETHANE	4.947	101	1219357	10.60	PPBV		100
22) ISOPROPYL ALCOHOL	5.032	45	764798	10.60	PPBV		100
23) ACETONE	4.824	58	227018	10.30	PPBV		100
24) PENTANE	5.234	42	396405	10.90	PPBV		100
25) IODOMETHANE	5.418	142	1102700	11.00	PPBV		100
26) 1,1-DICHLOROETHYLENE	5.485	96	387658	10.70	PPBV		100
27) CARBON DISULFIDE	5.852	76	1147721	10.60	PPBV		100
28) ETHANOL	4.457	45	271251	10.20	PPBV		100
29) BROMOETHENE	4.622	106	544999	10.60	PPBV		100
30) ACRYLONITRILE	5.204	52	251010	11.01	PPBV		100
31) METHYLENE CHLORIDE	5.595	84	363117	10.50	PPBV		100
32) 3-CHLOROPROPENE	5.693	76	185861	10.50	PPBV		100
33) FREON 113	5.822	151	636251	10.60	PPBV		100
34) TRANS-1,2-DICHLOROETHY...	6.452	96	404191	10.50	PPBV		100
35) TERTIARY BUTYL ALCOHOL	5.546	59	761817	9.90	PPBV		100
36) METHYL TERTIARY BUTYL ...	6.715	73	1138359	10.80	PPBV		100
37) TETRAHYDROFURAN	8.244	72	181760	10.50	PPBV		100
38) HEXANE	7.706	57	624158	10.80	PPBV		100
39) VINYL ACETATE	6.806	86	70963	10.40	PPBV		100
40) 1,1-DICHLOROETHANE	6.647	63	773941	10.70	PPBV		100
41) METHYL ETHYL KETONE	7.057	72	190475	10.80	PPBV		100
42) cis-1,2-DICHLOROETHYLENE	7.498	96	434152	10.70	PPBV		100
43) DIISOPROPYL ETHER	7.718	59	190722	10.80	PPBV		100
44) ETHYL ACETATE	7.749	61	138469	10.80	PPBV	#	100
45) METHYL ACRYLATE	7.736	55	759561	10.81	PPBV		100
46) CHLOROFORM	7.810	83	965951	10.80	PPBV		100
47) 2,4-DIMETHYLPENTANE	8.666	57	697723	10.80	PPBV		100
48) 1,1,1-TRICHLOROETHANE	8.874	97	978590	10.80	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55466.D
Acq On : 9 Dec 2024 9:03 am
Operator : benk
Sample : icc2125-10
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 09:37:50 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
49) CARBON TETRACHLORIDE	9.566	117	1055955	10.80	PPBV		100
50) 1,2-DICHLOROETHANE	8.605	62	654982	10.90	PPBV		100
52) BENZENE	9.400	78	1252492	11.00	PPBV		100
53) CYCLOHEXANE	9.700	84	494054	10.90	PPBV		100
54) 2,3-DIMETHYLPENTANE	10.000	71	257829	10.80	PPBV		100
55) TRICHLOROETHYLENE	10.655	95	617097	10.50	PPBV		100
56) 1,2-DICHLOROPROPANE	10.361	63	491975	10.50	PPBV		100
57) DIBROMOMETHANE	10.336	174	554921	10.50	PPBV		100
58) ETHYL ACRYLATE	10.416	55	906659	10.70	PPBV		100
59) BROMODICHLOROMETHANE	10.606	83	1114691	10.50	PPBV		100
60) 2,2,4-TRIMETHYLPENTANE	10.685	57	1969454	10.80	PPBV		100
61) 1,4-DIOXANE	10.673	88	291854	10.50	PPBV		100
62) HEPTANE	11.028	43	690296	11.00	PPBV		100
63) METHYL METHACRYLATE	10.936	69	448158	10.90	PPBV		100
64) METHYL ISOBUTYL KETONE	11.792	58	377985	10.80	PPBV		100
65) cis-1,3-DICHLOROPROPENE	11.731	75	840076	10.70	PPBV		100
66) TOLUENE	12.961	92	885739	10.60	PPBV		100
67) 1,3-DICHLOROPROPANE	13.010	76	767017	10.60	PPBV	#	100
68) trans-1,3-DICHLOROPROPENE	12.410	75	768015	10.20	PPBV		100
69) 1,1,2-TRICHLOROETHANE	12.612	83	509433	10.70	PPBV		100
71) 2-HEXANONE	13.365	58	548403	10.60	PPBV		100
72) ETHYL METHACRYLATE	13.389	69	781201	10.50	PPBV		100
73) TETRACHLOROETHYLENE	14.466	164	628078	10.90	PPBV		100
74) DIBROMOCHLOROMETHANE	13.511	129	1144713	10.50	PPBV		100
75) 1,2-DIBROMOETHANE	13.823	107	943815	11.00	PPBV		100
76) OCTANE	14.331	43	995955	10.90	PPBV		100
77) 1,1,1,2-TETRACHLOROETHANE	15.390	131	741767	10.80	PPBV		100
78) CHLOROBENZENE	15.408	112	1266085	10.80	PPBV		100
79) ETHYLBENZENE	15.959	91	2039775	11.00	PPBV		100
80) m,p-XYLENE	16.234	106	1527990	21.40	PPBV		100
81) o-XYLENE	16.901	106	760103	10.90	PPBV		100
82) STYRENE	16.754	104	1162167	11.00	PPBV		100
83) NONANE	17.311	43	1035723	10.90	PPBV		100
84) BROMOFORM	16.289	173	1163343	10.70	PPBV		100
86) 1,1,2,2-TETRACHLOROETHANE	16.907	83	1418746	10.90	PPBV		100
87) 1,2,3-TRICHLOROPROPANE	17.096	75	975518	10.60	PPBV		100
88) ISOPROPYLBENZENE	17.812	105	2187498	10.60	PPBV		100
89) BROMOBENZENE	17.910	77	1139573	10.40	PPBV		100
90) 2-CHLOROTOLUENE	18.546	126	541116	10.30	PPBV		100
91) n-PROPYLBENZENE	18.638	120	585017	10.60	PPBV		100
92) 4-ETHYLTOLUENE	18.883	105	2232548	10.90	PPBV		100
93) 1,3,5-TRIMETHYLBENZENE	19.011	105	1882828	10.90	PPBV		100
94) ALPHA-METHYLSTYRENE	19.256	118	922485	10.40	PPBV		100
95) tert-BUTYLBENZENE	19.611	134	400422	11.00	PPBV		100
96) 1,2,4-TRIMETHYLBENZENE	19.629	105	2047810	11.00	PPBV		100
97) m-DICHLOROBENZENE	19.819	146	1407750	10.40	PPBV		100
98) BENZYL CHLORIDE	19.813	91	1990839	10.40	PPBV		100
99) p-DICHLOROBENZENE	19.923	146	1359653	10.90	PPBV		100
100) sec-BUTYLBENZENE	20.015	134	479738	10.90	PPBV		100
101) 1,2,3-TRIMETHYLBENZENE	20.235	105	1974262	10.70	PPBV	#	100
102) p-ISOPROPYLTOLUENE	20.265	134	559789	10.80	PPBV		100
103) o-DICHLOROBENZENE	20.406	146	1269083	10.70	PPBV		100
104) n-BUTYLBENZENE	20.853	134	539061	10.80	PPBV		100
105) HEXACHLOROETHANE	21.318	117	988753	11.00	PPBV		100
106) HEXACHLOROBUTADIENE	23.367	225	1271645	10.80	PPBV		100
107) 1,2,4-TRICHLOROBENZENE	23.220	180	1160909	10.90	PPBV		100
108) NAPHTHALENE	22.884	128	2753803	10.90	PPBV		100
110) TVHC as equiv Pentane	5.234	TIC	2596090	10.90	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55466.D
Acq On : 9 Dec 2024 9:03 am
Operator : benk
Sample : icc2125-10
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 09:37:50 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

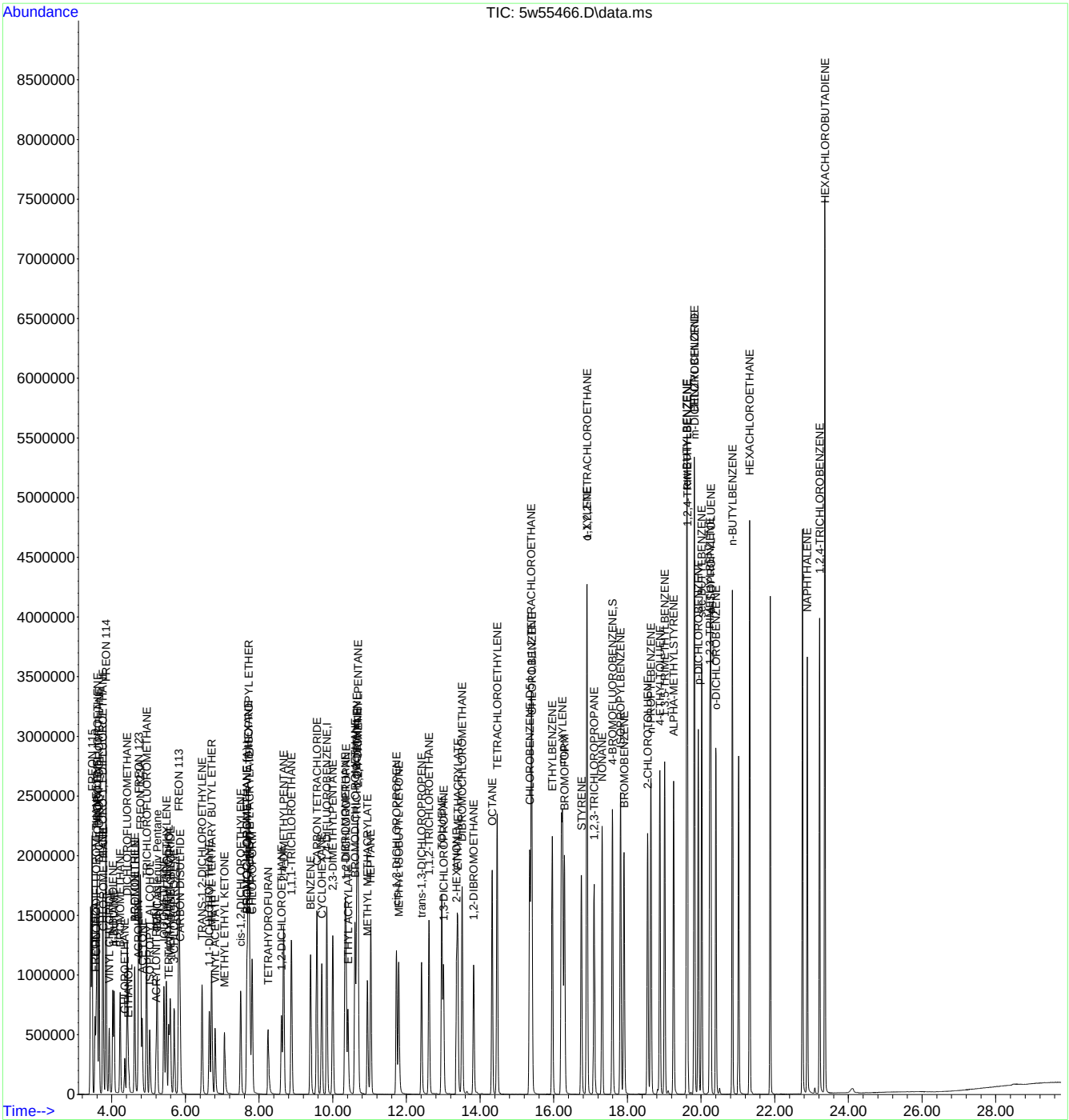
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55466.D
Acq On : 9 Dec 2024 9:03 am
Operator : benk
Sample : icc2125-10
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 09:37:50 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55467.D
Acq On : 9 Dec 2024 9:45 am
Operator : benk
Sample : ic2125-20
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 10:15:13 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 10:14:37 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	7.675	128	342882	10.00	PPBV	0.00
51) 1,4-DIFLUOROBENZENE	9.841	114	1466721	10.00	PPBV	0.00
70) CHLOROBENZENE-D5	15.347	82	922805	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	7.675	128	342882	10.00	PPBV	# 0.00
System Monitoring Compounds						
85) 4-BROMOFLUOROBENZENE	17.592	95	962216	8.66	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 86.60%			
Target Compounds						Qvalue
2) FREON 115	3.466	119	934470	19.68	PPBV	98
3) FREON 152A	3.546	65	555724	22.02	PPBV	100
4) CHLORODIFLUOROMETHANE	3.576	67	300670	23.90	PPBV	100
5) CHLOROTRIFLUOROETHENE	3.607	116	1281526	22.22	PPBV	100
6) DICHLORODIFLUOROMETHANE	3.656	85	2693197	21.30	PPBV	100
7) PROPYLENE	3.601	41	643425	19.46	PPBV	98
8) 1-CHLORO-1,1-DIFLUOROE...	3.754	65	2571204	18.91	PPBV	100
9) FREON 114	3.839	85	3131351	18.84	PPBV	98
10) CHLOROMETHANE	3.772	52	310103	17.98	PPBV	96
11) VINYL CHLORIDE	3.931	62	1066972	17.42	PPBV	99
12) 1,3-BUTADIENE	4.029	54	737734	17.78	PPBV	99
13) n-BUTANE	4.066	43	1358072	16.34	PPBV	99
14) BROMOMETHANE	4.231	94	1092994	16.45	PPBV	99
15) CHLOROETHANE	4.353	64	475231	16.78	PPBV	100
16) DICHLOROFLUOROMETHANE	4.421	67	2390761	16.93	PPBV	100
17) ACETONITRILE	4.622	41	742883	15.46	PPBV	99
18) ACROLEIN	4.714	56	362625	18.04	PPBV	100
19) FREON 123	4.733	83	2426147	17.04	PPBV	99
20) FREON 123A	4.782	117	1384065	18.79	PPBV	97
21) TRICHLOROFLUOROMETHANE	4.947	101	2407405	20.30	PPBV	99
22) ISOPROPYL ALCOHOL	5.026	45	1487631	18.75	PPBV	100
23) ACETONE	4.818	58	409828	12.79	PPBV	100
24) PENTANE	5.234	42	771291	20.37	PPBV	99
25) IODOMETHANE	5.418	142	2200301	23.28	PPBV	99
26) 1,1-DICHLOROETHYLENE	5.485	96	762107	20.94	PPBV	100
27) CARBON DISULFIDE	5.852	76	2235145	21.22	PPBV	99
28) ETHANOL	4.457	45	502201	15.69	PPBV	100
29) BROMOETHENE	4.622	106	1034552	19.32	PPBV	100
30) ACRYLONITRILE	5.204	52	489577	14.31	PPBV	99
31) METHYLENE CHLORIDE	5.595	84	698189	18.40	PPBV	100
32) 3-CHLOROPROPENE	5.699	76	362658	21.91	PPBV	99
33) FREON 113	5.822	151	1282144	21.91	PPBV	99
34) TRANS-1,2-DICHLOROETHY...	6.452	96	795699	20.82	PPBV	99
35) TERTIARY BUTYL ALCOHOL	5.540	59	1504766	22.16	PPBV	99
36) METHYL TERTIARY BUTYL ...	6.709	73	2261702	23.80	PPBV	100
37) TETRAHYDROFURAN	8.232	72	361477	26.09	PPBV	98
38) HEXANE	7.706	57	1299772	25.51	PPBV	98
39) VINYL ACETATE	6.807	86	150354	28.46	PPBV	# 94
40) 1,1-DICHLOROETHANE	6.654	63	1502107	20.85	PPBV	100
41) METHYL ETHYL KETONE	7.051	72	374963	27.41	PPBV	97
42) cis-1,2-DICHLOROETHYLENE	7.504	96	852592	21.70	PPBV	99
43) DIISOPROPYL ETHER	7.718	59	397171	26.25	PPBV	96
44) ETHYL ACETATE	7.749	61	275669	27.45	PPBV	# 99
45) METHYL ACRYLATE	7.736	55	1562708	25.53	PPBV	99
46) CHLOROFORM	7.816	83	1887887	21.07	PPBV	99
47) 2,4-DIMETHYLPENTANE	8.666	57	1404201	24.81	PPBV	99
48) 1,1,1-TRICHLOROETHANE	8.880	97	1974201	22.31	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55467.D
Acq On : 9 Dec 2024 9:45 am
Operator : benk
Sample : ic2125-20
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 10:15:13 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 10:14:37 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
49)	CARBON TETRACHLORIDE	9.572	117	2157722	23.55	PPBV		100
50)	1,2-DICHLOROETHANE	8.605	62	1304364	23.01	PPBV		100
52)	BENZENE	9.400	78	2480296	24.21	PPBV		100
53)	CYCLOHEXANE	9.700	84	977006	26.51	PPBV		100
54)	2,3-DIMETHYLPENTANE	10.000	71	518636	25.98	PPBV		100
55)	TRICHLOROETHYLENE	10.655	95	1261399	24.13	PPBV		99
56)	1,2-DICHLOROPROPANE	10.361	63	995547	22.86	PPBV		99
57)	DIBROMOMETHANE	10.336	174	1159519	22.34	PPBV		99
58)	ETHYL ACRYLATE	10.410	55	1809029	28.78	PPBV		100
59)	BROMODICHLOROMETHANE	10.606	83	2255590	24.75	PPBV		100
60)	2,2,4-TRIMETHYLPENTANE	10.691	57	3898314	25.47	PPBV		100
61)	1,4-DIOXANE	10.667	88	596545	26.92	PPBV	#	34
62)	HEPTANE	11.034	43	1372329	25.70	PPBV		99
63)	METHYL METHACRYLATE	10.936	69	886208	27.70	PPBV		99
64)	METHYL ISOBUTYL KETONE	11.786	58	763728	28.95	PPBV		99
65)	cis-1,3-DICHLOROPROPENE	11.731	75	1712055	27.85	PPBV		99
66)	TOLUENE	12.961	92	1782618	26.48	PPBV		99
67)	1,3-DICHLOROPROPANE	13.010	76	1520252	24.75	PPBV	#	100
68)	trans-1,3-DICHLOROPROPENE	12.410	75	1566263	28.62	PPBV		100
69)	1,1,2-TRICHLOROETHANE	12.612	83	1021706	24.00	PPBV		100
71)	2-HEXANONE	13.359	58	1123497	27.97	PPBV		99
72)	ETHYL METHACRYLATE	13.389	69	1592458	26.68	PPBV		100
73)	TETRACHLOROETHYLENE	14.466	164	1295487	21.06	PPBV		100
74)	DIBROMOCHLOROMETHANE	13.512	129	2360665	25.16	PPBV		100
75)	1,2-DIBROMOETHANE	13.830	107	1912584	23.66	PPBV		100
76)	OCTANE	14.331	43	2007056	25.12	PPBV		99
77)	1,1,1,2-TETRACHLOROETHANE	15.396	131	1557559	23.42	PPBV		100
78)	CHLOROBENZENE	15.408	112	2596682	21.36	PPBV		99
79)	ETHYLBENZENE	15.959	91	4106023	24.25	PPBV		99
80)	m,p-XYLENE	16.240	106	3148620	50.94	PPBV		98
81)	o-XYLENE	16.907	106	1571210	26.11	PPBV		99
82)	STYRENE	16.754	104	2380882	28.53	PPBV		100
83)	NONANE	17.317	43	2075321	24.63	PPBV		100
84)	BROMOFORM	16.295	173	2439049	29.26	PPBV		100
86)	1,1,2,2-TETRACHLOROETHANE	16.907	83	2867748	22.16	PPBV		99
87)	1,2,3-TRICHLOROPROPANE	17.096	75	1910251	20.08	PPBV		100
88)	ISOPROPYLBENZENE	17.818	105	4416866	22.71	PPBV		99
89)	BROMOBENZENE	17.910	77	2298802	20.38	PPBV		100
90)	2-CHLOROTOLUENE	18.546	126	1104210	23.56	PPBV		100
91)	n-PROPYLBENZENE	18.638	120	1183858	25.27	PPBV		100
92)	4-ETHYLTOLUENE	18.883	105	4498304	25.88	PPBV		99
93)	1,3,5-TRIMETHYLBENZENE	19.011	105	3785845	25.41	PPBV		100
94)	ALPHA-METHYLSTYRENE	19.256	118	1903435	28.19	PPBV		99
95)	tert-BUTYLBENZENE	19.617	134	838658	31.61	PPBV		98
96)	1,2,4-TRIMETHYLBENZENE	19.629	105	4186232	26.94	PPBV		99
97)	m-DICHLOROBENZENE	19.819	146	2890142	23.15	PPBV		100
98)	BENZYL CHLORIDE	19.813	91	4095162	27.40	PPBV		99
99)	p-DICHLOROBENZENE	19.923	146	2725460	23.12	PPBV		99
100)	sec-BUTYLBENZENE	20.021	134	963244	24.93	PPBV		97
101)	1,2,3-TRIMETHYLBENZENE	20.241	105	4017952	25.38	PPBV	#	99
102)	p-ISOPROPYLTOLUENE	20.265	134	1146159	25.56	PPBV		96
103)	o-DICHLOROBENZENE	20.406	146	2526786	21.80	PPBV		99
104)	n-BUTYLBENZENE	20.853	134	1115820	28.21	PPBV		96
105)	HEXACHLOROETHANE	21.318	117	2036046	26.21	PPBV		99
106)	HEXACHLOROBUTADIENE	23.367	225	2757653	27.12	PPBV		99
107)	1,2,4-TRICHLOROBENZENE	23.220	180	2474878	27.79	PPBV		99
108)	NAPHTHALENE	22.884	128	5516380	27.68	PPBV		99
110)	TVHC as equiv Pentane	5.234	TIC	5095960	17.51	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55467.D
Acq On : 9 Dec 2024 9:45 am
Operator : benk
Sample : ic2125-20
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 10:15:13 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 10:14:37 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

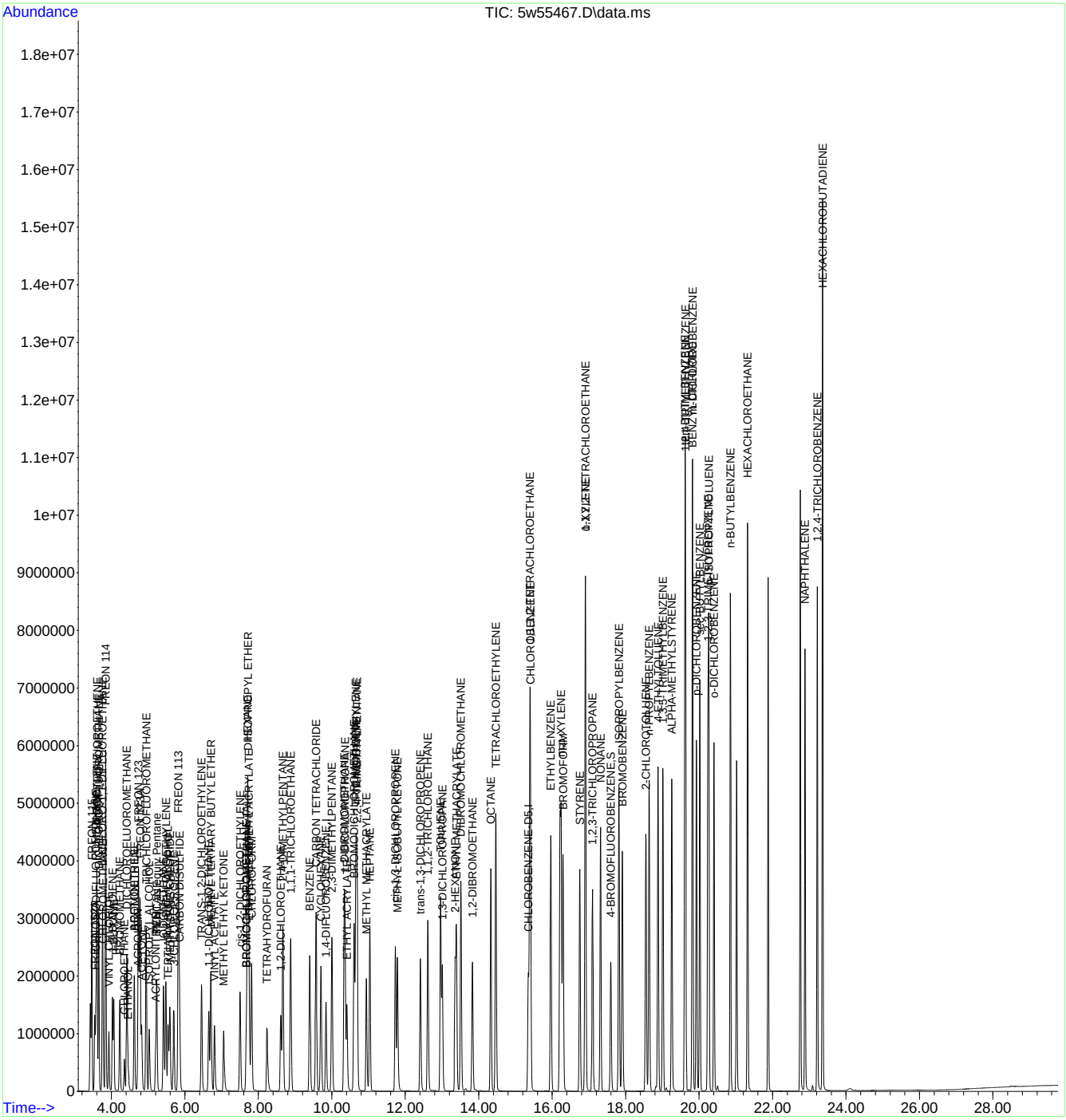
7.2.7

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55467.D
Acq On : 9 Dec 2024 9:45 am
Operator : benk
Sample : ic2125-20
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 10:15:13 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 10:14:37 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55468.D
Acq On : 9 Dec 2024 10:29 am
Operator : benk
Sample : ic2125-40
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 12:17:33 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 10:16:29 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	7.675	128	341329	10.00	PPBV	0.00
51) 1,4-DIFLUOROBENZENE	9.841	114	1382725	10.00	PPBV	0.00
70) CHLOROBENZENE-D5	15.353	82	1000073	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	7.675	128	341329	10.00	PPBV	# 0.00
System Monitoring Compounds						
85) 4-BROMOFLUOROBENZENE	17.598	95	916347	7.75	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 77.50%			
Target Compounds						Qvalue
3) FREON 152A	3.540	65	1110003	44.01	PPBV	100
4) CHLORODIFLUOROMETHANE	3.570	67	618926	48.54	PPBV	99
5) CHLOROTRIFLUOROETHENE	3.601	116	2675087	46.21	PPBV	99
6) DICHLORODIFLUOROMETHANE	3.650	85	5267335	41.82	PPBV	98
7) PROPYLENE	3.589	41	1264054	39.00	PPBV	99
8) 1-CHLORO-1,1-DIFLUOROE...	3.754	65	4841129	36.33	PPBV	99
9) FREON 114	3.839	85	5644224	34.83	PPBV	94
10) CHLOROMETHANE	3.766	52	586442	34.83	PPBV	95
11) VINYL CHLORIDE	3.925	62	1976978	33.16	PPBV	99
12) 1,3-BUTADIENE	4.023	54	1352676	33.60	PPBV	98
13) n-BUTANE	4.060	43	2400545	30.24	PPBV	99
14) BROMOMETHANE	4.225	94	2043818	32.06	PPBV	100
15) CHLOROETHANE	4.353	64	871035	31.77	PPBV	100
16) DICHLOROFLUOROMETHANE	4.414	67	4291710	31.43	PPBV	99
17) ACETONITRILE	4.622	41	1277797	27.81	PPBV	99
18) ACROLEIN	4.714	56	645615	33.04	PPBV	100
19) FREON 123	4.733	83	4240053	30.77	PPBV	98
20) FREON 123A	4.775	117	2547507	35.48	PPBV	89
21) TRICHLOROFLUOROMETHANE	4.941	101	4713026	40.16	PPBV	99
22) ISOPROPYL ALCOHOL	5.026	45	2716413	35.07	PPBV	100
23) ACETONE	4.818	58	731236	24.80	PPBV	98
24) PENTANE	5.228	42	1485676	39.79	PPBV	99
25) IODOMETHANE	5.418	142	4451630	46.92	PPBV	100
26) 1,1-DICHLOROETHYLENE	5.479	96	1496349	41.43	PPBV	98
27) CARBON DISULFIDE	5.852	76	4309243	41.09	PPBV	99
28) ETHANOL	4.457	45	853574	28.43	PPBV	100
29) BROMOETHENE	4.616	106	1928359	36.64	PPBV	99
30) ACRYLONITRILE	5.204	52	958150	30.25	PPBV	100
31) METHYLENE CHLORIDE	5.595	84	1342564	36.18	PPBV	98
32) 3-CHLOROPROPENE	5.693	76	697695	42.08	PPBV	99
33) FREON 113	5.822	151	2636699	45.05	PPBV	97
34) TRANS-1,2-DICHLOROETHY...	6.452	96	1572877	41.40	PPBV	99
35) TERTIARY BUTYL ALCOHOL	5.540	59	2859765	41.60	PPBV	98
36) METHYL TERTIARY BUTYL ...	6.702	73	4395819	45.80	PPBV	99
37) TETRAHYDROFURAN	8.226	72	698114	48.66	PPBV	96
38) HEXANE	7.706	57	2611399	50.18	PPBV	95
39) VINYL ACETATE	6.806	86	306105	54.21	PPBV	# 87
40) 1,1-DICHLOROETHANE	6.654	63	2896622	40.54	PPBV	99
41) METHYL ETHYL KETONE	7.051	72	729314	51.25	PPBV	97
42) cis-1,2-DICHLOROETHYLENE	7.504	96	1696626	43.29	PPBV	99
43) DIISOPROPYL ETHER	7.712	59	811232	52.00	PPBV	# 88
44) ETHYL ACETATE	7.749	61	550445	52.69	PPBV	# 97
45) METHYL ACRYLATE	7.736	55	3113267	49.30	PPBV	98
46) CHLOROFORM	7.816	83	3681330	41.42	PPBV	100
47) 2,4-DIMETHYLPENTANE	8.666	57	2767046	48.09	PPBV	99
48) 1,1,1-TRICHLOROETHANE	8.880	97	3966870	44.82	PPBV	99
49) CARBON TETRACHLORIDE	9.572	117	4344419	47.03	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55468.D
Acq On : 9 Dec 2024 10:29 am
Operator : benk
Sample : ic2125-40
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 12:17:33 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 10:16:29 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	8.611	62	2563201	45.07	PPBV		100
52)	BENZENE	9.400	78	4805887	49.06	PPBV		99
53)	CYCLOHEXANE	9.700	84	1932753	53.96	PPBV		98
54)	2,3-DIMETHYLPENTANE	10.006	71	1034868	53.44	PPBV		97
55)	TRICHLOROETHYLENE	10.654	95	2594903	51.56	PPBV		99
56)	1,2-DICHLOROPROPANE	10.361	63	1968777	47.35	PPBV		98
57)	DIBROMOMETHANE	10.342	174	2452377	49.66	PPBV		96
58)	ETHYL ACRYLATE	10.410	55	3514442	56.09	PPBV		99
59)	BROMODICHLOROMETHANE	10.612	83	4532566	51.44	PPBV		99
60)	2,2,4-TRIMETHYLPENTANE	10.691	57	7451774	50.35	PPBV		98
61)	1,4-DIOXANE	10.661	88	1171033	53.54	PPBV	#	1
62)	HEPTANE	11.034	43	2670311	51.81	PPBV		98
63)	METHYL METHACRYLATE	10.936	69	1706636	54.15	PPBV		97
64)	METHYL ISOBUTYL KETONE	11.786	58	1514817	57.65	PPBV		96
65)	cis-1,3-DICHLOROPROPENE	11.731	75	3416380	56.51	PPBV		98
66)	TOLUENE	12.967	92	3622228	55.11	PPBV		98
67)	1,3-DICHLOROPROPANE	13.010	76	2997850	50.56	PPBV	#	100
68)	trans-1,3-DICHLOROPROPENE	12.410	75	3139635	57.54	PPBV		99
69)	1,1,2-TRICHLOROETHANE	12.618	83	2047204	50.14	PPBV		99
71)	2-HEXANONE	13.359	58	2249832	49.07	PPBV		96
72)	ETHYL METHACRYLATE	13.395	69	3192358	47.23	PPBV		98
73)	TETRACHLOROETHYLENE	14.472	164	2700260	40.71	PPBV		99
74)	DIBROMOCHLOROMETHANE	13.518	129	4797242	45.88	PPBV		99
75)	1,2-DIBROMOETHANE	13.836	107	3887570	43.91	PPBV		100
76)	OCTANE	14.337	43	3923196	44.34	PPBV		96
77)	1,1,1,2-TETRACHLOROETHANE	15.396	131	3275763	44.91	PPBV		100
78)	CHLOROBENZENE	15.414	112	5271880	40.07	PPBV		99
79)	ETHYLBENZENE	15.965	91	8126299	43.65	PPBV		97
80)	m,p-XYLENE	16.246	106	6467969	94.01	PPBV		92
81)	o-XYLENE	16.907	106	3188562	47.55	PPBV		95
82)	STYRENE	16.754	104	4879514	51.77	PPBV		99
83)	NONANE	17.317	43	3987420	42.86	PPBV		97
84)	BROMOFORM	16.301	173	5078215	52.97	PPBV		99
86)	1,1,2,2-TETRACHLOROETHANE	16.913	83	5613840	39.93	PPBV		99
87)	1,2,3-TRICHLOROPROPANE	17.103	75	3751035	36.66	PPBV		97
88)	ISOPROPYLBENZENE	17.824	105	8798069	41.32	PPBV		97
89)	BROMOBENZENE	17.916	77	4625514	37.94	PPBV		97
90)	2-CHLOROTOLUENE	18.552	126	2317722	44.71	PPBV		99
91)	n-PROPYLBENZENE	18.644	120	2469115	47.34	PPBV		100
92)	4-ETHYLTOLUENE	18.883	105	8909475	46.07	PPBV		96
93)	1,3,5-TRIMETHYLBENZENE	19.017	105	7582950	45.88	PPBV		97
94)	ALPHA-METHYLSTYRENE	19.262	118	3974554	51.70	PPBV		99
95)	tert-BUTYLBENZENE	19.623	134	1750552	57.31	PPBV	#	88
96)	1,2,4-TRIMETHYLBENZENE	19.635	105	8073536	46.45	PPBV		96
97)	m-DICHLOROBENZENE	19.825	146	5812290	42.28	PPBV		98
98)	BENZYL CHLORIDE	19.819	91	7865415	46.45	PPBV		97
99)	p-DICHLOROBENZENE	19.929	146	5572136	43.25	PPBV		98
100)	sec-BUTYLBENZENE	20.021	134	1985344	46.46	PPBV	#	80
101)	1,2,3-TRIMETHYLBENZENE	20.241	105	7982379	45.32	PPBV	#	96
102)	p-ISOPROPYLTOLUENE	20.272	134	2391446	47.95	PPBV	#	84
103)	o-DICHLOROBENZENE	20.412	146	5204091	41.33	PPBV		98
104)	n-BUTYLBENZENE	20.859	134	2355801	52.65	PPBV	#	78
105)	HEXACHLOROETHANE	21.324	117	4095368	47.35	PPBV		94
106)	HEXACHLOROBUTADIENE	23.367	225	5758391	50.41	PPBV		98
107)	1,2,4-TRICHLOROBENZENE	23.226	180	5399109	53.83	PPBV		99
108)	NAPHTHALENE	22.890	128	10659068	47.52	PPBV		95
110)	TVHC as equiv Pentane	5.228	TIC	9863883	35.04	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55468.D
Acq On : 9 Dec 2024 10:29 am
Operator : benk
Sample : ic2125-40
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 12:17:33 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 10:16:29 2024
Response via : Initial Calibration

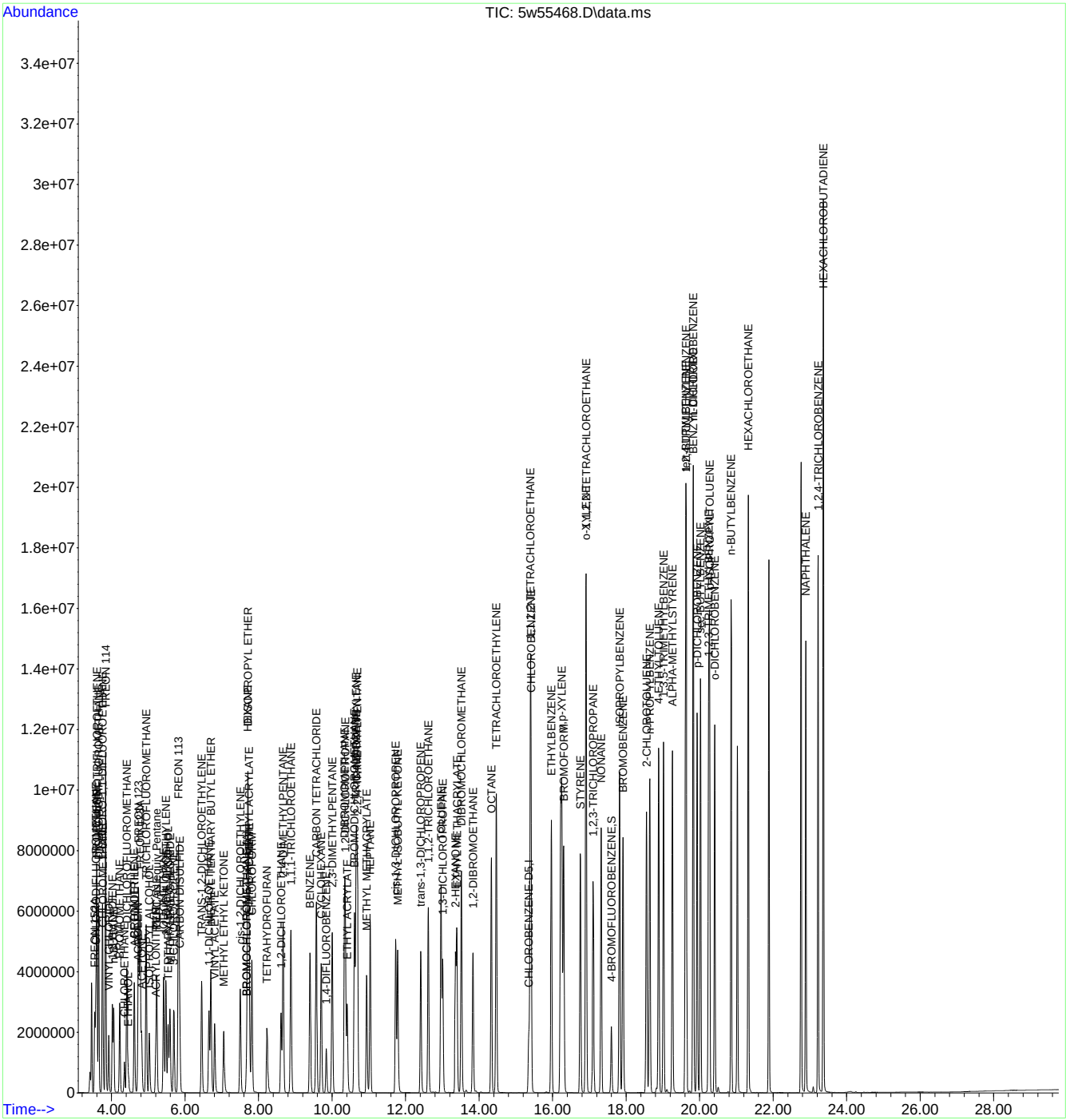
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55468.D
Acq On : 9 Dec 2024 10:29 am
Operator : benk
Sample : ic2125-40
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 12:17:33 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 10:16:29 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55469.D
Acq On : 9 Dec 2024 11:14 am
Operator : benk
Sample : ic2125-50
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 14:36:15 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 11:06:14 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.681	128	363096	10.00	PPBV		0.01
51) 1,4-DIFLUOROBENZENE	9.847	114	1435494	10.00	PPBV		0.01
70) CHLOROBENZENE-D5	15.353	82	1087902	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.681	128	363096	10.00	PPBV	#	0.01
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	17.598	95	962842	7.71	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 77.10%				
Target Compounds							Qvalue
3) FREON 152A	3.546	65	1409928	52.36	PPBV		100
4) CHLORODIFLUOROMETHANE	3.576	67	788640	57.10	PPBV		99
5) CHLOROTRIFLUOROETHENE	3.607	116	3518696	56.43	PPBV		99
6) DICHLORODIFLUOROMETHANE	3.656	85	6578479	49.18	PPBV		97
7) PROPYLENE	3.601	41	1558841	45.82	PPBV		98
8) 1-CHLORO-1,1-DIFLUOROE...	3.754	65	5783866	41.54	PPBV		98
9) FREON 114	3.839	85	6688154	39.83	PPBV		92
10) CHLOROMETHANE	3.772	52	708046	40.35	PPBV		93
11) VINYL CHLORIDE	3.931	62	2437569	39.40	PPBV		99
12) 1,3-BUTADIENE	4.029	54	1667571	40.06	PPBV		97
13) n-BUTANE	4.066	43	2956319	36.57	PPBV		98
14) BROMOMETHANE	4.231	94	2585698	39.46	PPBV		100
15) CHLOROETHANE	4.353	64	1112344	39.30	PPBV		100
16) DICHLOROFLUOROMETHANE	4.421	67	5325853	37.89	PPBV		99
17) ACETONITRILE	4.622	41	1590540	34.05	PPBV		99
18) ACROLEIN	4.714	56	812347	40.31	PPBV		100
19) FREON 123	4.739	83	5322727	37.60	PPBV		97
20) FREON 123A	4.782	117	3262064	43.77	PPBV		86
21) TRICHLOROFLUOROMETHANE	4.947	101	5912238	47.68	PPBV		99
22) ISOPROPYL ALCOHOL	5.032	45	3130594	38.96	PPBV		100
24) PENTANE	5.234	42	1801214	45.85	PPBV		98
25) IODOMETHANE	5.424	142	5859104	57.57	PPBV		100
26) 1,1-DICHLOROETHYLENE	5.485	96	1920392	50.18	PPBV		94
27) CARBON DISULFIDE	5.852	76	5333899	48.00	PPBV		98
28) ETHANOL	4.457	45	1061688	35.38	PPBV		100
29) BROMOETHENE	4.622	106	2463970	44.77	PPBV		99
30) ACRYLONITRILE	5.210	52	1172261	36.70	PPBV		100
31) METHYLENE CHLORIDE	5.595	84	1703220	43.91	PPBV		96
32) 3-CHLOROPROPENE	5.699	76	888181	50.35	PPBV		93
33) FREON 113	5.822	151	3534845	56.33	PPBV		93
34) TRANS-1,2-DICHLOROETHY...	6.458	96	2032870	50.39	PPBV		96
35) TERTIARY BUTYL ALCOHOL	5.546	59	3417331	46.44	PPBV		98
36) METHYL TERTIARY BUTYL ...	6.709	73	5589862	54.34	PPBV		98
37) TETRAHYDROFURAN	8.232	72	882416	56.54	PPBV		93
38) HEXANE	7.712	57	3251354	57.57	PPBV		93
39) VINYL ACETATE	6.813	86	398132	63.09	PPBV	#	74
40) 1,1-DICHLOROETHANE	6.654	63	3625488	48.02	PPBV		98
41) METHYL ETHYL KETONE	7.051	72	929876	59.84	PPBV		93
42) cis-1,2-DICHLOROETHYLENE	7.504	96	2196558	52.61	PPBV		96
43) DIISOPROPYL ETHER	7.718	59	1010128	59.15	PPBV	#	83
44) ETHYL ACETATE	7.749	61	686502	59.89	PPBV	#	94
45) METHYL ACRYLATE	7.736	55	3866289	56.23	PPBV		97
46) CHLOROFORM	7.822	83	4663315	49.57	PPBV		99
47) 2,4-DIMETHYLPENTANE	8.672	57	3422747	55.14	PPBV		98
48) 1,1,1-TRICHLOROETHANE	8.880	97	5135690	54.30	PPBV		98
49) CARBON TETRACHLORIDE	9.572	117	5694246	57.32	PPBV		99
50) 1,2-DICHLOROETHANE	8.611	62	3247346	53.45	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55469.D
Acq On : 9 Dec 2024 11:14 am
Operator : benk
Sample : ic2125-50
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 14:36:15 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 11:06:14 2024
Response via : Initial Calibration

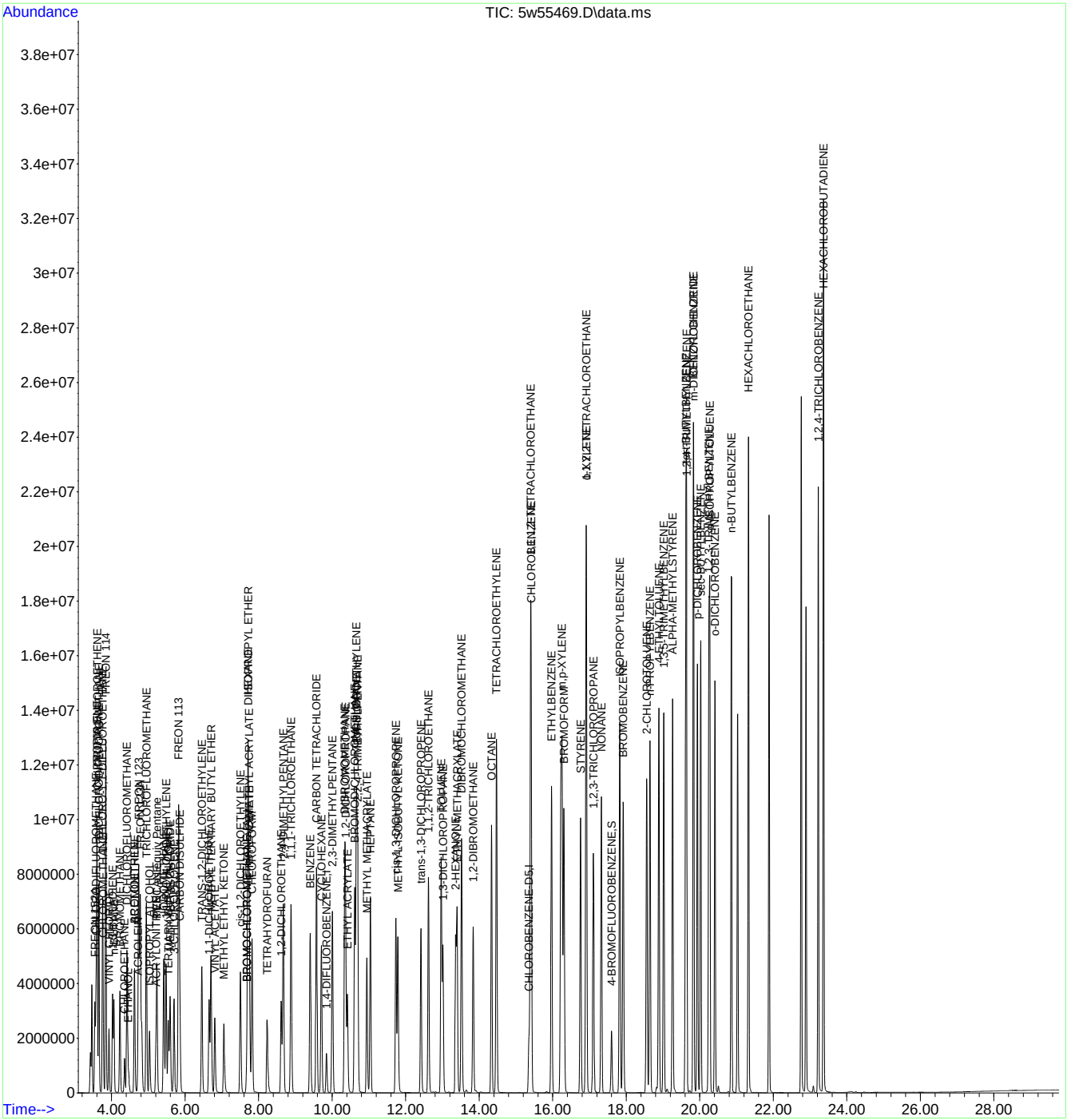
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
52)	BENZENE	9.406	78	6113532	59.26	PPBV		99
53)	CYCLOHEXANE	9.706	84	2475588	64.65	PPBV		96
54)	2,3-DIMETHYLPENTANE	10.006	71	1313485	63.46	PPBV		94
55)	TRICHLOROETHYLENE	10.661	95	3350858	62.36	PPBV		96
56)	1,2-DICHLOROPROPANE	10.367	63	2447772	55.81	PPBV		97
57)	DIBROMOMETHANE	10.342	174	3348127	63.85	PPBV		91
58)	ETHYL ACRYLATE	10.416	55	4375473	64.41	PPBV		99
59)	BROMODICHLOROMETHANE	10.618	83	5756859	61.21	PPBV		98
60)	2,2,4-TRIMETHYLPENTANE	10.697	57	9040011	57.64	PPBV		98
61)	1,4-DIOXANE	10.667	88	1504708	63.77	PPBV	#	1
62)	HEPTANE	11.040	43	3250063	59.42	PPBV		96
63)	METHYL METHACRYLATE	10.942	69	2166506	64.00	PPBV		99
64)	METHYL ISOBUTYL KETONE	11.792	58	1897421	66.38	PPBV		93
65)	cis-1,3-DICHLOROPROPENE	11.737	75	4365639	66.88	PPBV		98
66)	TOLUENE	12.967	92	4696538	66.34	PPBV		96
67)	1,3-DICHLOROPROPANE	13.016	76	3810935	60.45	PPBV	#	99
68)	trans-1,3-DICHLOROPROPENE	12.416	75	4045609	64.37	PPBV		97
69)	1,1,2-TRICHLOROETHANE	12.618	83	2637082	60.91	PPBV		98
71)	2-HEXANONE	13.359	58	2840400	51.38	PPBV		93
72)	ETHYL METHACRYLATE	13.395	69	4057750	54.22	PPBV		95
73)	TETRACHLOROETHYLENE	14.472	164	3652923	51.05	PPBV		98
74)	DIBROMOCHLOROMETHANE	13.518	129	6267031	54.46	PPBV		99
75)	1,2-DIBROMOETHANE	13.836	107	5059319	52.54	PPBV		100
76)	OCTANE	14.337	43	4818681	49.96	PPBV		93
77)	1,1,1,2-TETRACHLOROETHANE	15.402	131	4326992	54.27	PPBV		98
78)	CHLOROBENZENE	15.414	112	6799424	47.95	PPBV		97
79)	ETHYLBENZENE	15.965	91	10258201	50.70	PPBV		95
80)	m,p-XYLENE	16.246	106	8436000	111.35	PPBV		88
81)	o-XYLENE	16.913	106	4070628	55.18	PPBV		92
82)	STYRENE	16.760	104	6336380	60.46	PPBV		99
83)	NONANE	17.323	43	4885695	48.38	PPBV		95
84)	BROMOFORM	16.301	173	6736389	57.61	PPBV		98
86)	1,1,2,2-TETRACHLOROETHANE	16.913	83	6857413	45.32	PPBV		98
87)	1,2,3-TRICHLOROPROPANE	17.109	75	4752860	43.44	PPBV		95
88)	ISOPROPYLBENZENE	17.824	105	11140531	48.25	PPBV		96
89)	BROMOBENZENE	17.916	77	5858269	44.66	PPBV		92
90)	2-CHLOROTOLUENE	18.552	126	3066170	53.80	PPBV		99
91)	n-PROPYLBENZENE	18.644	120	3235225	56.20	PPBV		100
92)	4-ETHYLTOLUENE	18.889	105	11113673	52.46	PPBV		94
93)	1,3,5-TRIMETHYLBENZENE	19.024	105	9540125	52.72	PPBV		95
94)	ALPHA-METHYLSTYRENE	19.262	118	5169037	56.23	PPBV		99
95)	tert-BUTYLBENZENE	19.623	134	2268727	58.03	PPBV	#	82
96)	1,2,4-TRIMETHYLBENZENE	19.641	105	9871747	51.85	PPBV		93
97)	m-DICHLOROBENZENE	19.831	146	7376020	49.22	PPBV		98
98)	BENZYL CHLORIDE	19.825	91	9467573	50.66	PPBV		95
99)	p-DICHLOROBENZENE	19.935	146	7163876	51.16	PPBV		97
100)	sec-BUTYLBENZENE	20.027	134	2603292	55.55	PPBV	#	67
101)	1,2,3-TRIMETHYLBENZENE	20.247	105	9909252	51.34	PPBV	#	93
102)	p-ISOPROPYLTOLUENE	20.272	134	3067541	55.77	PPBV	#	77
103)	o-DICHLOROBENZENE	20.412	146	6729808	49.34	PPBV		98
104)	n-BUTYLBENZENE	20.865	134	3076474	61.52	PPBV	#	67
105)	HEXACHLOROETHANE	21.324	117	5060035	53.27	PPBV		91
106)	HEXACHLOROBUTADIENE	23.367	225	7021325	55.35	PPBV		97
107)	1,2,4-TRICHLOROBENZENE	23.226	180	6957395	61.95	PPBV		99
110)	TVHC as equiv Pentane	5.234	TIC	12050439	41.25	PPBV		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55469.D
Acq On : 9 Dec 2024 11:14 am
Operator : benk
Sample : ic2125-50
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 14:36:15 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 11:06:14 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55473.D
Acq On : 9 Dec 2024 1:55 pm
Operator : benk
Sample : icv2125-10
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 09 14:26:11 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.669	128	367475	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.835	114	1638649	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	15.347	82	911415	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.669	128	367475	10.00	PPBV	#	0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	17.592	95	1063310	10.42	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 104.20%				
Target Compounds							Qvalue
2) FREON 115	3.460	119	609290	12.11	PPBV		96
3) FREON 152A	3.546	65	260396	9.58	PPBV		100
4) CHLORODIFLUOROMETHANE	3.576	67	146420	10.39	PPBV		99
5) CHLOROTRIFLUOROETHENE	3.607	116	632936	9.95	PPBV		99
6) DICHLORODIFLUOROMETHANE	3.650	85	1344712	10.01	PPBV		100
7) PROPYLENE	3.601	41	286338	8.47	PPBV		98
8) 1-CHLORO-1,1-DIFLUOROE...	3.754	65	1363042	9.91	PPBV		99
9) FREON 114	3.839	85	1731966	10.51	PPBV		98
10) CHLOROMETHANE	3.772	52	156442	9.03	PPBV	#	84
11) VINYL CHLORIDE	3.931	62	572576	9.39	PPBV		100
12) 1,3-BUTADIENE	4.029	54	394416	9.64	PPBV		98
13) n-BUTANE	4.066	43	729754	9.30	PPBV		99
14) BROMOMETHANE	4.231	94	601870	9.37	PPBV		99
15) CHLOROETHANE	4.353	64	259712	9.32	PPBV		99
16) DICHLOROFLUOROMETHANE	4.421	67	1337017	9.71	PPBV		100
17) ACETONITRILE	4.616	41	408916	9.02	PPBV		99
18) ACROLEIN	4.714	56	206598	10.43	PPBV		100
19) FREON 123	4.733	83	1322073	9.54	PPBV		98
20) FREON 123A	4.775	117	716793	9.72	PPBV		95
21) TRICHLOROFLUOROMETHANE	4.941	101	1280625	10.32	PPBV		100
22) ISOPROPYL ALCOHOL	5.026	45	746766	9.50	PPBV		99
23) ACETONE	4.824	58	228297	7.70	PPBV		98
24) PENTANE	5.234	42	361550	9.26	PPBV		98
25) IODOMETHANE	5.418	142	1165392	11.26	PPBV		100
26) 1,1-DICHLOROETHYLENE	5.479	96	397014	10.32	PPBV		94
27) CARBON DISULFIDE	5.852	76	1188347	10.68	PPBV		100
28) ETHANOL	4.457	45	231689	8.04	PPBV		99
29) BROMOETHENE	4.616	106	574006	10.49	PPBV		100
30) ACRYLONITRILE	5.204	52	234694	7.62	PPBV		100
31) METHYLENE CHLORIDE	5.589	84	367561	9.54	PPBV		97
32) 3-CHLOROPROPENE	5.693	76	183296	10.31	PPBV		94
33) FREON 113	5.822	151	692675	10.83	PPBV		96
34) TRANS-1,2-DICHLOROETHY...	6.452	96	415687	10.23	PPBV		96
35) TERTIARY BUTYL ALCOHOL	5.546	59	838007	11.33	PPBV		98
36) METHYL TERTIARY BUTYL ...	6.709	73	1138293	10.93	PPBV		98
37) TETRAHYDROFURAN	8.244	72	182808	11.46	PPBV		94
38) HEXANE	7.706	57	580332	10.08	PPBV		98
39) VINYL ACETATE	6.806	86	76162	11.57	PPBV	#	78
40) 1,1-DICHLOROETHANE	6.647	63	737374	9.76	PPBV		99
41) METHYL ETHYL KETONE	7.057	72	183994	11.54	PPBV		93
42) cis-1,2-DICHLOROETHYLENE	7.498	96	438839	10.40	PPBV		97
43) DIISOPROPYL ETHER	7.718	59	182011	10.41	PPBV		94
44) ETHYL ACETATE	7.749	61	132720	11.29	PPBV	#	98
45) METHYL ACRYLATE	7.730	55	734957	10.50	PPBV		99
46) CHLOROFORM	7.810	83	994491	10.54	PPBV		100
47) 2,4-DIMETHYLPENTANE	8.666	57	665821	10.57	PPBV		99
48) 1,1,1-TRICHLOROETHANE	8.874	97	1027293	10.72	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55473.D
Acq On : 9 Dec 2024 1:55 pm
Operator : benk
Sample : icv2125-10
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 09 14:26:11 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
49) CARBON TETRACHLORIDE	9.566	117	1117143	11.04	PPBV		100
50) 1,2-DICHLOROETHANE	8.605	62	644626	10.51	PPBV		100
52) BENZENE	9.400	78	1241071	10.45	PPBV		99
53) CYCLOHEXANE	9.700	84	497434	11.15	PPBV		96
54) 2,3-DIMETHYLPENTANE	10.000	71	255937	10.63	PPBV		95
55) TRICHLOROETHYLENE	10.655	95	628915	10.04	PPBV		96
56) 1,2-DICHLOROPROPANE	10.361	63	480413	9.53	PPBV		98
57) DIBROMOMETHANE	10.336	174	607456	9.91	PPBV		96
58) ETHYL ACRYLATE	10.416	55	889260	11.18	PPBV		99
59) BROMODICHLOROMETHANE	10.606	83	1129142	10.33	PPBV		99
60) 2,2,4-TRIMETHYLPENTANE	10.685	57	1875164	10.40	PPBV		100
61) 1,4-DIOXANE	10.673	88	305770	11.05	PPBV	#	88
62) HEPTANE	11.034	43	644985	10.24	PPBV		98
63) METHYL METHACRYLATE	10.936	69	440067	11.15	PPBV		97
64) METHYL ISOBUTYL KETONE	11.792	58	365625	10.89	PPBV		96
65) cis-1,3-DICHLOROPROPENE	11.731	75	791718	10.34	PPBV		99
66) TOLUENE	12.961	92	897196	10.80	PPBV		99
67) 1,3-DICHLOROPROPANE	13.010	76	768595	10.52	PPBV	#	100
68) trans-1,3-DICHLOROPROPENE	12.410	75	763107	10.83	PPBV		100
69) 1,1,2-TRICHLOROETHANE	12.612	83	511400	10.19	PPBV		98
71) 2-HEXANONE	13.365	58	533643	12.41	PPBV		98
72) ETHYL METHACRYLATE	13.389	69	797333	12.67	PPBV		97
73) TETRACHLOROETHYLENE	14.466	164	678237	11.39	PPBV		99
74) DIBROMOCHLOROMETHANE	13.511	129	1221557	12.62	PPBV		100
75) 1,2-DIBROMOETHANE	13.823	107	968537	12.07	PPBV		100
76) OCTANE	14.331	43	928927	11.60	PPBV		96
77) 1,1,1,2-TETRACHLOROETHANE	15.390	131	789303	11.81	PPBV		99
78) CHLOROBENZENE	15.408	112	1302463	11.10	PPBV		98
79) ETHYLBENZENE	15.959	91	2069237	12.31	PPBV		99
80) m,p-XYLENE	16.234	106	1576639	24.73	PPBV		98
81) o-XYLENE	16.901	106	773169	12.49	PPBV		97
82) STYRENE	16.754	104	1182327	13.32	PPBV		99
83) NONANE	17.311	43	964575	11.55	PPBV		97
84) BROMOFORM	16.289	173	1229686	12.42	PPBV		100
86) 1,1,2,2-TETRACHLOROETHANE	16.907	83	1398226	11.24	PPBV		99
87) 1,2,3-TRICHLOROPROPANE	17.096	75	977028	10.88	PPBV		98
88) ISOPROPYLBENZENE	17.812	105	2272900	11.87	PPBV		99
89) BROMOBENZENE	17.910	77	1152759	10.66	PPBV		95
90) 2-CHLOROTOLUENE	18.546	126	580224	12.09	PPBV		100
91) n-PROPYLBENZENE	18.638	120	614508	12.66	PPBV		99
92) 4-ETHYLTOLUENE	18.877	105	2276515	12.88	PPBV		99
93) 1,3,5-TRIMETHYLBENZENE	19.011	105	1926471	12.75	PPBV		99
94) ALPHA-METHYLSTYRENE	19.256	118	964352	11.83	PPBV		99
95) tert-BUTYLBENZENE	19.611	134	426733	12.94	PPBV		97
96) 1,2,4-TRIMETHYLBENZENE	19.629	105	2101835	13.26	PPBV		98
97) m-DICHLOROBENZENE	19.819	146	1483124	11.88	PPBV		100
98) BENZYL CHLORIDE	19.813	91	2086019	12.26	PPBV		99
99) p-DICHLOROBENZENE	19.923	146	1425940	12.24	PPBV		99
100) sec-BUTYLBENZENE	20.021	134	510021	12.96	PPBV		95
101) 1,2,3-TRIMETHYLBENZENE	20.235	105	2045983	12.71	PPBV	#	98
102) p-ISOPROPYLTOLUENE	20.259	134	605096	13.08	PPBV		97
103) o-DICHLOROBENZENE	20.406	146	1345461	11.88	PPBV		99
104) n-BUTYLBENZENE	20.853	134	568438	13.36	PPBV		92
105) HEXACHLOROETHANE	21.318	117	980805	12.37	PPBV		98
106) HEXACHLOROBUTADIENE	23.367	225	1360841	12.77	PPBV		100
107) 1,2,4-TRICHLOROBENZENE	23.220	180	1285426	12.74	PPBV		100
108) NAPHTHALENE	22.884	128	3116488	14.07	PPBV		100
110) TVHC as equiv Pentane	5.228	TIC	2415970	8.40	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55473.D
Acq On : 9 Dec 2024 1:55 pm
Operator : benk
Sample : icv2125-10
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 09 14:26:11 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

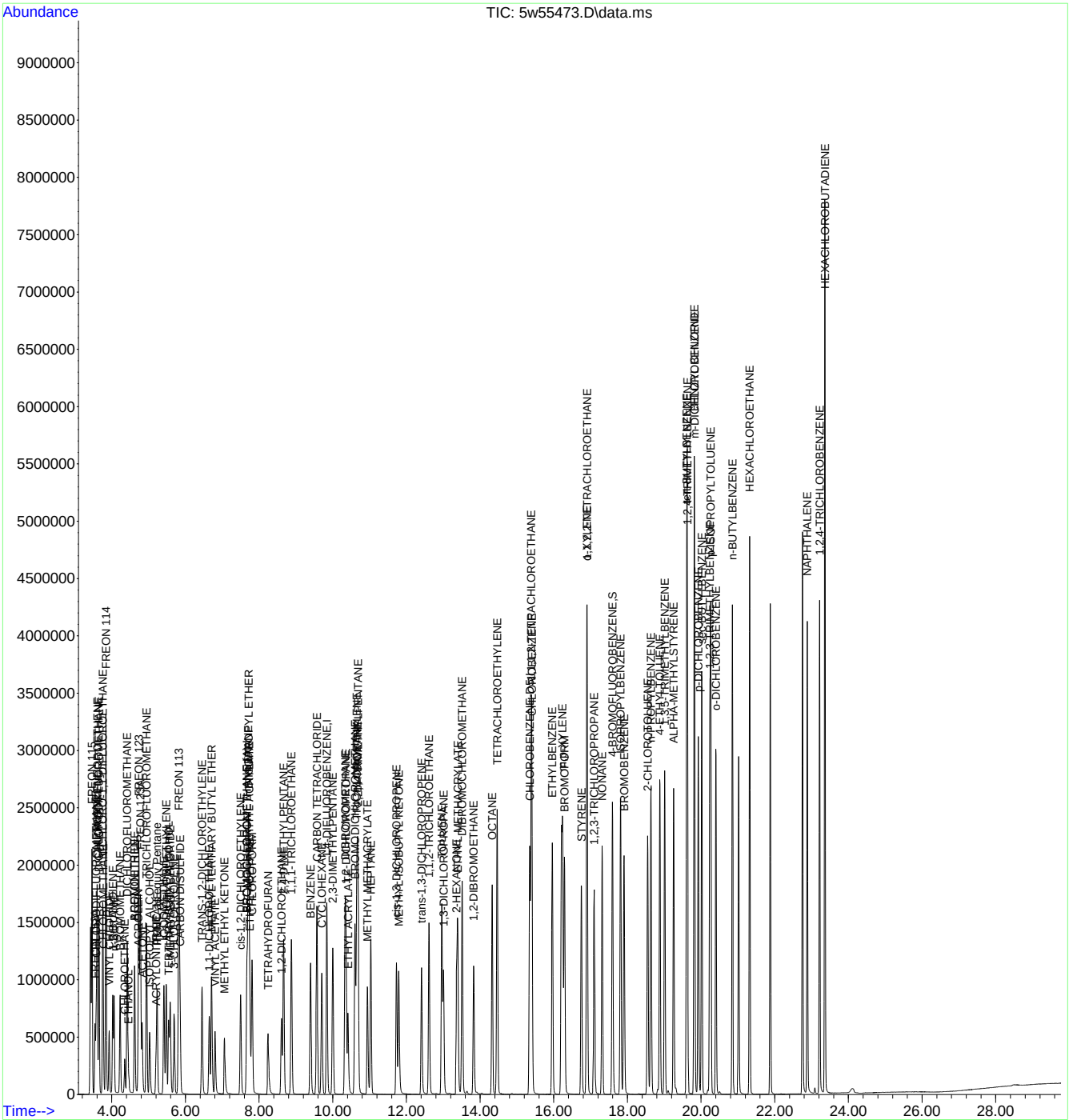
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55473.D
Acq On : 9 Dec 2024 1:55 pm
Operator : benk
Sample : icv2125-10
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 09 14:26:11 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55778.D
Acq On : 20 Dec 2024 1:06 pm
Operator : thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2136,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 23 07:06:08 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	7.669	128	318888	10.00	PPBV	0.00
51) 1,4-DIFLUOROBENZENE	9.835	114	1469982	10.00	PPBV	0.00
70) CHLOROBENZENE-D5	15.341	82	896125	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	7.669	128	318888	10.00	PPBV	# 0.00
System Monitoring Compounds						
85) 4-BROMOFLUOROBENZENE	17.586	95	1008742	10.06	PPBV	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 100.60%			
Target Compounds						Qvalue
2) FREON 115	3.466	119	624218	14.3002	PPBV	95
3) FREON 152A	3.546	65	317951	13.4765	PPBV	98
4) CHLORODIFLUOROMETHANE	3.576	67	161801	13.2261	PPBV	97
5) CHLOROTRIFLUOROETHENE	3.607	116	653547	11.8362	PPBV	99
6) DICHLORODIFLUOROMETHANE	3.656	85	1475918	12.6650	PPBV	100
7) PROPYLENE	3.601	41	381974	13.0143	PPBV	99
8) 1-CHLORO-1,1-DIFLUOROE...	3.754	65	1211334	10.1505	PPBV	99
9) FREON 114	3.845	85	1411506	9.8745	PPBV	96
10) CHLOROMETHANE	3.772	52	128319	8.5387	PPBV	88
11) VINYL CHLORIDE	3.931	62	458589	8.6659	PPBV	99
12) 1,3-BUTADIENE	4.029	54	298397	8.4024	PPBV	83
13) n-BUTANE	4.066	43	602522	8.8442	PPBV	98
14) BROMOMETHANE	4.231	94	477772	8.5680	PPBV	100
15) CHLOROETHANE	4.353	64	205540	8.4996	PPBV	97
16) DICHLOROFLUOROMETHANE	4.420	67	1085746	9.0832	PPBV	98
17) ACETONITRILE	4.622	41	339144	8.6184	PPBV	98
18) ACROLEIN	4.714	56	158132	9.2025	PPBV	99
19) FREON 123	4.732	83	1139561	9.4723	PPBV	99
20) FREON 123A	4.775	117	620886	9.7062	PPBV	97
21) TRICHLOROFLUOROMETHANE	4.947	101	1263194	11.7297	PPBV	99
22) ISOPROPYL ALCOHOL	5.026	45	803523	11.7760	PPBV	98
23) ACETONE	4.824	58	180153	7.0045	PPBV #	81
24) PENTANE	5.234	42	429102	12.6592	PPBV	99
25) IODOMETHANE	5.418	142	1191766	13.2654	PPBV	96
26) 1,1-DICHLOROETHYLENE	5.479	96	398323	11.9336	PPBV	97
27) CARBON DISULFIDE	5.852	76	1235064	12.7895	PPBV	99
28) ETHANOL	4.457	45	207634	8.3028	PPBV	99
29) BROMOETHENE	4.622	106	460244	9.6888	PPBV	97
30) ACRYLONITRILE	5.204	52	256089	9.5852	PPBV	99
31) METHYLENE CHLORIDE	5.589	84	375160	11.2167	PPBV	99
32) 3-CHLOROPROPENE	5.693	76	201866	13.0889	PPBV	96
33) FREON 113	5.821	151	732704	13.2034	PPBV	90
34) TRANS-1,2-DICHLOROETHY...	6.452	96	419403	11.8906	PPBV	98
35) TERTIARY BUTYL ALCOHOL	5.546	59	775362	12.0798	PPBV	97
36) METHYL TERTIARY BUTYL ...	6.708	73	1228936	13.5933	PPBV	98
37) TETRAHYDROFURAN	8.238	72	197620	14.2794	PPBV	98
38) HEXANE	7.700	57	627757	12.5641	PPBV	94
39) VINYL ACETATE	6.806	86	75731	13.2606	PPBV #	93
40) 1,1-DICHLOROETHANE	6.647	63	811475	12.3786	PPBV	98
41) METHYL ETHYL KETONE	7.057	72	202233	14.6202	PPBV #	87
42) cis-1,2-DICHLOROETHYLENE	7.498	96	442713	12.0962	PPBV	96
43) DIISOPROPYL ETHER	7.712	59	190748	12.5678	PPBV #	88
44) ETHYL ACETATE	7.748	61	145181	14.2280	PPBV #	38
45) METHYL ACRYLATE	7.730	55	800096	13.1722	PPBV	99
46) CHLOROFORM	7.810	83	1039127	12.6937	PPBV	100
47) 2,4-DIMETHYLPENTANE	8.660	57	723012	13.2316	PPBV	99
48) 1,1,1-TRICHLOROETHANE	8.874	97	1035484	12.4576	PPBV	98

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55778.D
Acq On : 20 Dec 2024 1:06 pm
Operator : thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2136,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 23 07:06:08 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
49)	CARBON TETRACHLORIDE	9.565	117	1102538	12.5504	PPBV		100
50)	1,2-DICHLOROETHANE	8.605	62	708904	13.3139	PPBV		99
52)	BENZENE	9.394	78	1342299	12.5982	PPBV		100
53)	CYCLOHEXANE	9.694	84	516137	12.8959	PPBV		99
54)	2,3-DIMETHYLPENTANE	10.000	71	282810	13.0878	PPBV		96
55)	TRICHLOROETHYLENE	10.648	95	633242	11.2736	PPBV		95
56)	1,2-DICHLOROPROPANE	10.361	63	510553	11.2893	PPBV		97
57)	DIBROMOMETHANE	10.330	174	755528	13.7405	PPBV		81
58)	ETHYL ACRYLATE	10.410	55	981600	13.7593	PPBV		99
59)	BROMODICHLOROMETHANE	10.599	83	1206214	12.2973	PPBV		100
60)	2,2,4-TRIMETHYLPENTANE	10.679	57	1990028	12.2995	PPBV		98
61)	1,4-DIOXANE	10.667	88	299962	12.0893	PPBV	#	81
62)	HEPTANE	11.028	43	752488	13.3154	PPBV		96
63)	METHYL METHACRYLATE	10.936	69	481560	13.5953	PPBV		97
64)	METHYL ISOBUTYL KETONE	11.786	58	388890	12.9157	PPBV		87
65)	cis-1,3-DICHLOROPROPENE	11.725	75	908137	13.2187	PPBV		97
66)	TOLUENE	12.961	92	887710	11.9118	PPBV		99
67)	1,3-DICHLOROPROPANE	13.004	76	820517	12.5149	PPBV	#	99
68)	trans-1,3-DICHLOROPROPENE	12.404	75	828355	13.0998	PPBV		98
69)	1,1,2-TRICHLOROETHANE	12.612	83	537644	11.9426	PPBV		97
71)	2-HEXANONE	13.358	58	560900	13.2683	PPBV		87
72)	ETHYL METHACRYLATE	13.389	69	835523	13.4987	PPBV		97
73)	TETRACHLOROETHYLENE	14.466	164	747063	12.7632	PPBV		84
74)	DIBROMOCHLOROMETHANE	13.505	129	1097540	11.5317	PPBV		99
75)	1,2-DIBROMOETHANE	13.823	107	940751	11.9201	PPBV		100
76)	OCTANE	14.325	43	1084120	13.7735	PPBV		95
77)	1,1,1,2-TETRACHLOROETHANE	15.383	131	720856	10.9694	PPBV		94
78)	CHLOROBENZENE	15.402	112	1232114	10.6804	PPBV		95
79)	ETHYLBENZENE	15.958	91	2076562	12.5690	PPBV		98
80)	m,p-XYLENE	16.228	106	1471828	23.4783	PPBV		95
81)	o-XYLENE	16.901	106	720486	11.8401	PPBV		95
82)	STYRENE	16.748	104	1142420	13.0892	PPBV		97
83)	NONANE	17.310	43	1130936	13.7682	PPBV		99
84)	BROMOFORM	16.289	173	1519883	15.6082	PPBV		99
86)	1,1,2,2-TETRACHLOROETHANE	16.901	83	1428324	11.6774	PPBV		99
87)	1,2,3-TRICHLOROPROPANE	17.090	75	1030429	11.6674	PPBV		96
88)	ISOPROPYLBENZENE	17.812	105	2152989	11.4342	PPBV		98
89)	BROMOBENZENE	17.904	77	1211657	11.3933	PPBV		93
90)	2-CHLOROTOLUENE	18.546	126	534316	11.3259	PPBV		99
91)	n-PROPYLBENZENE	18.632	120	567338	11.8851	PPBV		99
92)	4-ETHYLTOLUENE	18.877	105	2199724	12.6578	PPBV		99
93)	1,3,5-TRIMETHYLBENZENE	19.005	105	1831439	12.3314	PPBV		99
94)	ALPHA-METHYLSTYRENE	19.256	118	879694	10.9728	PPBV		97
95)	tert-BUTYLBENZENE	19.611	134	380904	11.7468	PPBV		99
96)	1,2,4-TRIMETHYLBENZENE	19.623	105	1961577	12.5882	PPBV		100
97)	m-DICHLOROBENZENE	19.813	146	1422500	11.5936	PPBV		96
98)	BENZYL CHLORIDE	19.806	91	1933734	11.5617	PPBV		98
99)	p-DICHLOROBENZENE	19.923	146	1409874	12.3075	PPBV		96
100)	sec-BUTYLBENZENE	20.014	134	455920	11.7845	PPBV		94
101)	1,2,3-TRIMETHYLBENZENE	20.235	105	1931074	12.2018	PPBV	#	99
102)	p-ISOPROPYLTOLUENE	20.259	134	529338	11.6416	PPBV		98
103)	o-DICHLOROBENZENE	20.400	146	1318774	11.8402	PPBV		96
104)	n-BUTYLBENZENE	20.853	134	525567	12.5653	PPBV		91
105)	HEXACHLOROETHANE	21.311	117	1006137	12.9044	PPBV	#	78
106)	HEXACHLOROBUTADIENE	23.251	225	2010215	19.1838	PPBV		99
107)	1,2,4-TRICHLOROBENZENE	23.116	180	1700363	17.1334	PPBV		95
108)	NAPHTHALENE	22.798	128	2718914	12.4811	PPBV		100
110)	TVHC as equiv Pentane	5.234	TIC	2774316	11.1132	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55778.D
Acq On : 20 Dec 2024 1:06 pm
Operator : thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2136,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 23 07:06:08 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

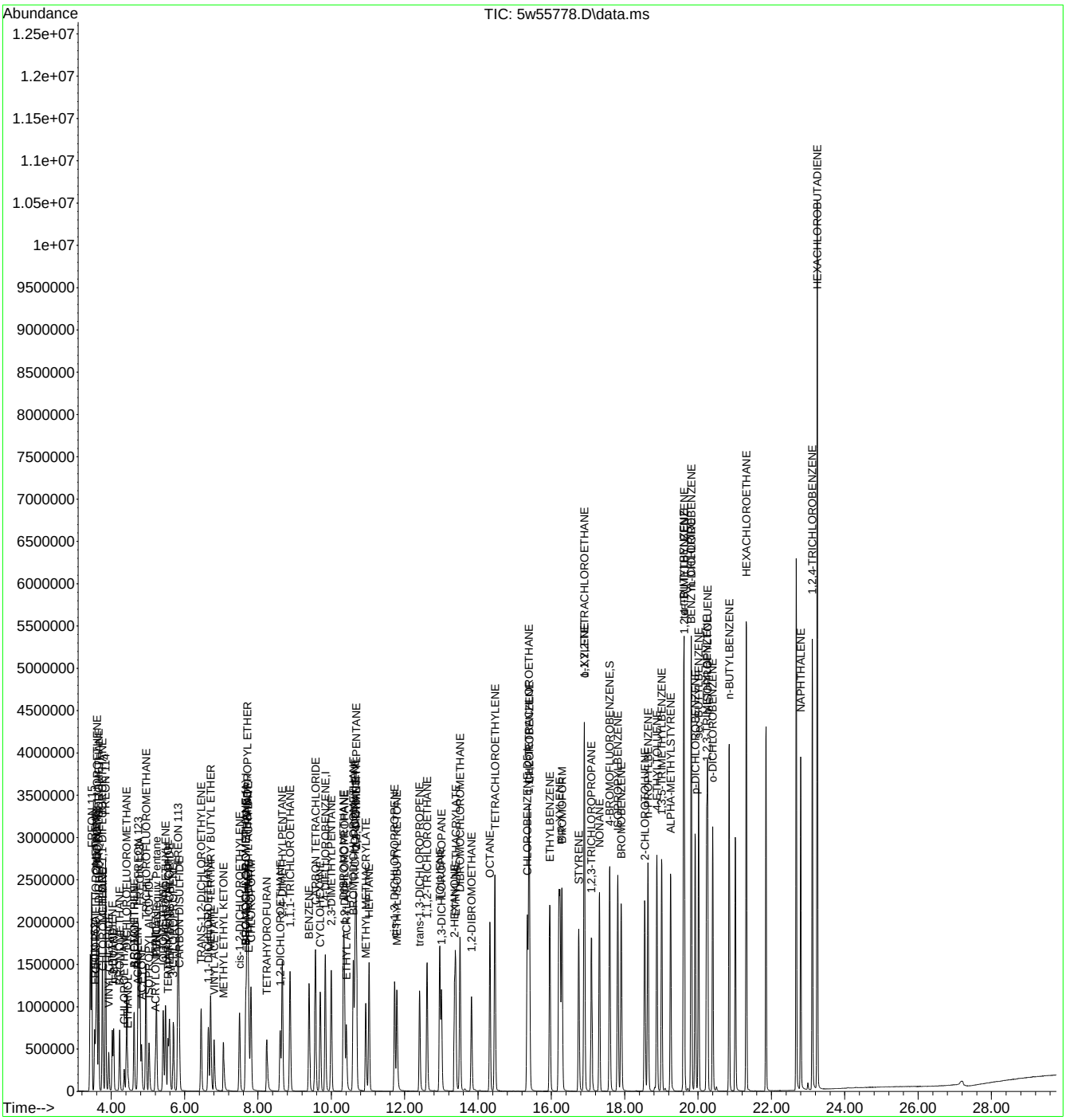
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55778.D
Acq On : 20 Dec 2024 1:06 pm
Operator : thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2136,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 23 07:06:08 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55819.D
Acq On : 23 Dec 2024 9:11 am
Operator : thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 24 04:40:07 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	7.669	128	263070	10.00	PPBV		0.00
51) 1,4-DIFLUOROBENZENE	9.829	114	1217301	10.00	PPBV		0.00
70) CHLOROBENZENE-D5	15.341	82	738303	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	7.669	128	263070	10.00	PPBV	#	0.00
System Monitoring Compounds							
85) 4-BROMOFLUOROBENZENE	17.586	95	828145	10.02	PPBV		0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 100.20%				
Target Compounds							Qvalue
2) FREON 115	3.466	119	443684	12.3210	PPBV		93
3) FREON 152A	3.546	65	212489	10.9174	PPBV		97
4) CHLORODIFLUOROMETHANE	3.576	67	118141	11.7063	PPBV		98
5) CHLOROTRIFLUOROETHENE	3.607	116	455636	10.0028	PPBV		98
6) DICHLORODIFLUOROMETHANE	3.656	85	1073218	11.1634	PPBV		99
7) PROPYLENE	3.601	41	257735	10.6445	PPBV		98
8) 1-CHLORO-1,1-DIFLUOROE...	3.754	65	1120022	11.3767	PPBV		99
9) FREON 114	3.839	85	1412169	11.9753	PPBV		96
10) CHLOROMETHANE	3.772	52	124915	10.0759	PPBV	#	78
11) VINYL CHLORIDE	3.931	62	476330	10.9110	PPBV		98
12) 1,3-BUTADIENE	4.029	54	312743	10.6749	PPBV		90
13) n-BUTANE	4.066	43	620169	11.0348	PPBV		98
14) BROMOMETHANE	4.231	94	475235	10.3309	PPBV		99
15) CHLOROETHANE	4.353	64	209737	10.5135	PPBV		99
16) DICHLOROFLUOROMETHANE	4.421	67	1073511	10.8864	PPBV		99
17) ACETONITRILE	4.616	41	340326	10.4835	PPBV		99
18) ACROLEIN	4.714	56	158371	11.1720	PPBV		99
19) FREON 123	4.733	83	1097141	11.0548	PPBV		99
20) FREON 123A	4.775	117	579782	10.9867	PPBV		90
21) TRICHLOROFLUOROMETHANE	4.941	101	992534	11.1719	PPBV		100
22) ISOPROPYL ALCOHOL	5.020	45	589792	10.4777	PPBV		98
23) ACETONE	4.818	58	174326	8.2161	PPBV		90
24) PENTANE	5.228	42	306426	10.9582	PPBV		97
25) IODOMETHANE	5.412	142	939913	12.6819	PPBV		94
26) 1,1-DICHLOROETHYLENE	5.479	96	296637	10.7728	PPBV		100
27) CARBON DISULFIDE	5.846	76	905072	11.3609	PPBV		98
28) ETHANOL	4.451	45	218980	10.6145	PPBV		99
29) BROMOETHENE	4.616	106	433197	11.0544	PPBV		98
30) ACRYLONITRILE	5.198	52	185208	8.4030	PPBV		100
31) METHYLENE CHLORIDE	5.589	84	279330	10.1235	PPBV		99
32) 3-CHLOROPROPENE	5.693	76	147321	11.5790	PPBV		96
33) FREON 113	5.815	151	589276	12.8719	PPBV		83
34) TRANS-1,2-DICHLOROETHY...	6.446	96	307408	10.5646	PPBV		99
35) TERTIARY BUTYL ALCOHOL	5.540	59	581566	10.9830	PPBV		97
36) METHYL TERTIARY BUTYL ...	6.702	73	919622	12.3303	PPBV		98
37) TETRAHYDROFURAN	8.232	72	148350	12.9937	PPBV		99
38) HEXANE	7.700	57	459701	11.1527	PPBV		90
39) VINYL ACETATE	6.800	86	56579	12.0092	PPBV		99
40) 1,1-DICHLOROETHANE	6.641	63	598323	11.0636	PPBV		99
41) METHYL ETHYL KETONE	7.051	72	153607	13.4611	PPBV		93
42) cis-1,2-DICHLOROETHYLENE	7.492	96	329132	10.9009	PPBV		98
43) DIISOPROPYL ETHER	7.712	59	144614	11.5498	PPBV		97
44) ETHYL ACETATE	7.742	61	103860	12.3381	PPBV	#	98
45) METHYL ACRYLATE	7.730	55	588812	11.7506	PPBV		100
46) CHLOROFORM	7.804	83	773655	11.4560	PPBV		99
47) 2,4-DIMETHYLPENTANE	8.660	57	526334	11.6760	PPBV		99
48) 1,1,1-TRICHLOROETHANE	8.868	97	772811	11.2702	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55819.D
Acq On : 23 Dec 2024 9:11 am
Operator : thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 24 04:40:07 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
49)	CARBON TETRACHLORIDE	9.559	117	830049	11.4534	PPBV		100
50)	1,2-DICHLOROETHANE	8.599	62	534819	12.1757	PPBV		98
52)	BENZENE	9.394	78	1003717	11.3759	PPBV		99
53)	CYCLOHEXANE	9.694	84	396422	11.9608	PPBV		97
54)	2,3-DIMETHYLPENTANE	9.994	71	212277	11.8628	PPBV		91
55)	TRICHLOROETHYLENE	10.642	95	483189	10.3878	PPBV		96
56)	1,2-DICHLOROPROPANE	10.355	63	382961	10.2258	PPBV		97
57)	DIBROMOMETHANE	10.330	174	614707	13.5000	PPBV		78
58)	ETHYL ACRYLATE	10.404	55	721337	12.2100	PPBV		99
59)	BROMODICHLOROMETHANE	10.599	83	909013	11.1910	PPBV		100
60)	2,2,4-TRIMETHYLPENTANE	10.679	57	1465609	10.9385	PPBV		98
61)	1,4-DIOXANE	10.661	88	227029	11.0492	PPBV	#	69
62)	HEPTANE	11.022	43	560388	11.9745	PPBV		97
63)	METHYL METHACRYLATE	10.930	69	372004	12.6823	PPBV		98
64)	METHYL ISOBUTYL KETONE	11.780	58	297634	11.9368	PPBV		91
65)	cis-1,3-DICHLOROPROPENE	11.725	75	688807	12.1073	PPBV		95
66)	TOLUENE	12.955	92	690703	11.1921	PPBV		99
67)	1,3-DICHLOROPROPANE	12.998	76	615745	11.3411	PPBV	#	100
68)	trans-1,3-DICHLOROPROPENE	12.398	75	622635	11.8904	PPBV		96
69)	1,1,2-TRICHLOROETHANE	12.606	83	405394	10.8742	PPBV		97
71)	2-HEXANONE	13.352	58	429888	12.3429	PPBV		90
72)	ETHYL METHACRYLATE	13.383	69	646680	12.6811	PPBV		98
73)	TETRACHLOROETHYLENE	14.460	164	628528	13.0335	PPBV		80
74)	DIBROMOCHLOROMETHANE	13.505	129	865933	11.0431	PPBV		100
75)	1,2-DIBROMOETHANE	13.817	107	716152	11.0140	PPBV		99
76)	OCTANE	14.325	43	821392	12.6663	PPBV		96
77)	1,1,1,2-TETRACHLOROETHANE	15.384	131	554115	10.2346	PPBV		95
78)	CHLOROBENZENE	15.402	112	950698	10.0026	PPBV		96
79)	ETHYLBENZENE	15.952	91	1588334	11.6689	PPBV		98
80)	m,p-XYLENE	16.209	106	1164310	22.5430	PPBV		98
81)	o-XYLENE	16.895	106	571423	11.3978	PPBV		98
82)	STYRENE	16.748	104	888220	12.3521	PPBV		98
83)	NONANE	17.304	43	857369	12.6690	PPBV		100
84)	BROMOFORM	16.283	173	1248720	15.5647	PPBV		98
86)	1,1,2,2-TETRACHLOROETHANE	16.901	83	1093404	10.8501	PPBV		100
87)	1,2,3-TRICHLOROPROPANE	17.090	75	770661	10.5914	PPBV		96
88)	ISOPROPYLBENZENE	17.806	105	1668204	10.7534	PPBV		98
89)	BROMOBENZENE	17.904	77	920121	10.5015	PPBV		88
90)	2-CHLOROTOLUENE	18.540	126	405141	10.4235	PPBV		100
91)	n-PROPYLBENZENE	18.632	120	441199	11.2183	PPBV		99
92)	4-ETHYLTOLUENE	18.877	105	1704719	11.9063	PPBV		99
93)	1,3,5-TRIMETHYLBENZENE	19.005	105	1434926	11.7269	PPBV		99
94)	ALPHA-METHYLSTYRENE	19.250	118	695654	10.5321	PPBV		98
95)	tert-BUTYLBENZENE	19.611	134	311530	11.6610	PPBV		96
96)	1,2,4-TRIMETHYLBENZENE	19.623	105	1567244	12.2076	PPBV		99
97)	m-DICHLOROBENZENE	19.813	146	1161828	11.4932	PPBV		96
98)	BENZYL CHLORIDE	19.807	91	1522621	11.0497	PPBV		98
99)	p-DICHLOROBENZENE	19.917	146	1135811	12.0346	PPBV		95
100)	sec-BUTYLBENZENE	20.015	134	373153	11.7069	PPBV		100
101)	1,2,3-TRIMETHYLBENZENE	20.235	105	1526328	11.7060	PPBV	#	99
102)	p-ISOPROPYLTOLUENE	20.259	134	432797	11.5531	PPBV		97
103)	o-DICHLOROBENZENE	20.400	146	1063562	11.5900	PPBV		96
104)	n-BUTYLBENZENE	20.847	134	424199	12.3098	PPBV		95
105)	HEXACHLOROETHANE	21.312	117	800997	12.4694	PPBV	#	75
106)	HEXACHLOROBUTADIENE	23.251	225	1750424	20.2754	PPBV		99
107)	1,2,4-TRICHLOROBENZENE	23.116	180	1448982	17.7214	PPBV		96
108)	NAPHTHALENE	22.798	128	2170339	12.0926	PPBV		100
110)	TVHC as equiv Pentane	5.228	TIC	2047811	9.9435	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55819.D
Acq On : 23 Dec 2024 9:11 am
Operator : thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 24 04:40:07 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

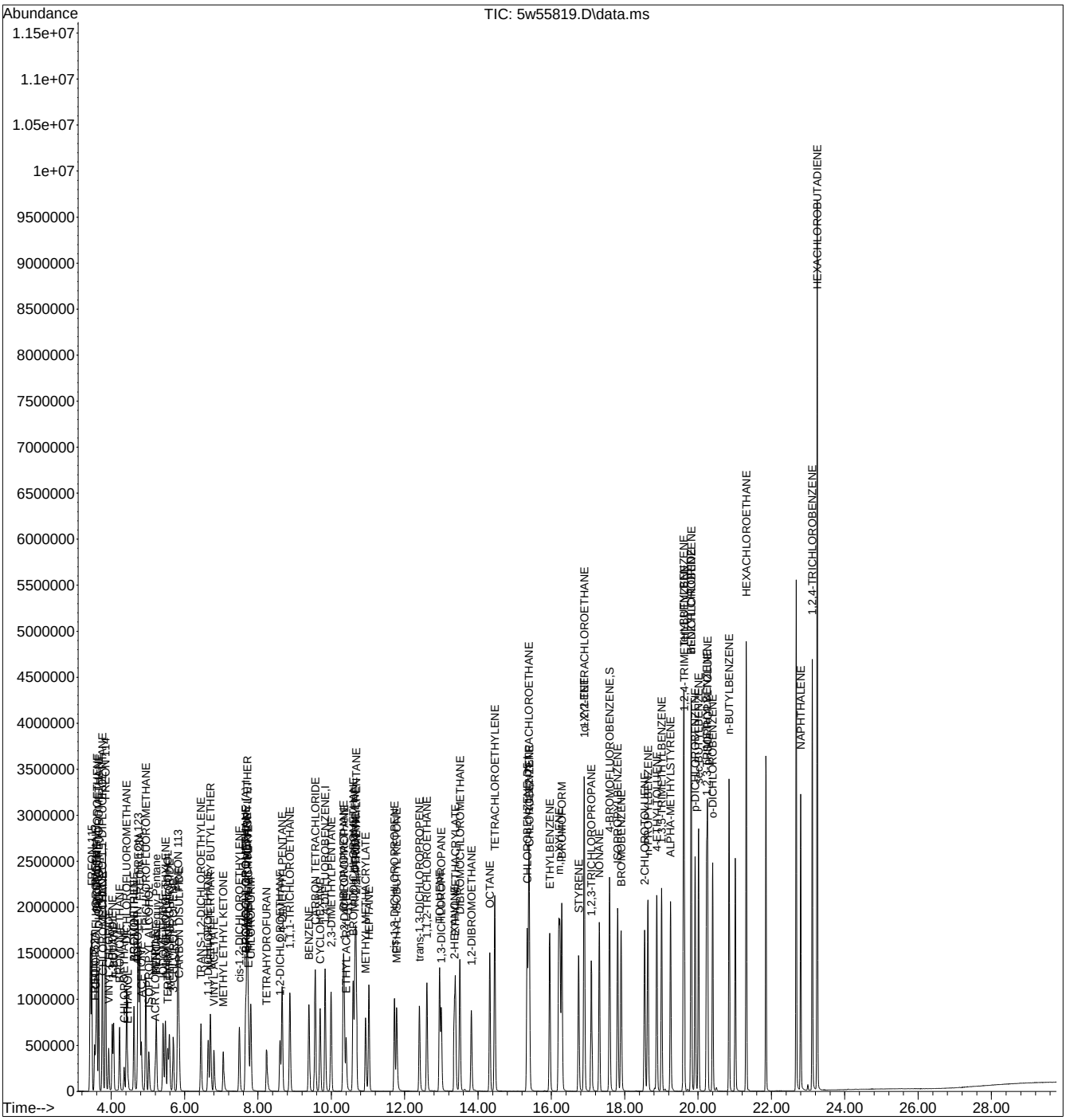
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55819.D
Acq On : 23 Dec 2024 9:11 am
Operator : thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 24 04:40:07 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 08/19/24 10:53

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 09:49:15 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.267	128	86358	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.547	114	435174	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.119	117	379594	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.267	128	86358	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.479	95	275352	9.89	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.618	119	521	0.05	PPBV		95
3) FREON 152A	1.650	65	283	0.05	PPBV		98
4) CHLORODIFLUOROMETHANE	1.659	67	125	0.04	PPBV	#	38
5) CHLOROTRIFLUOROETHENE	1.676	116	644	0.05	PPBV		79
6) DICHLORODIFLUOROMETHANE	1.688	85	1424	0.04	PPBV		95
7) PROPYLENE	1.672	41	412	0.05	PPBV	#	75
8) 1-CHLORO-1,1-DIFLUOROE...	1.724	65	1198	0.04	PPBV	#	77
9) FREON 114	1.759	85	1188	0.04	PPBV		97
10) CHLOROMETHANE	1.733	52	270	0.06	PPBV		88
11) VINYL CHLORIDE	1.795	62	622	0.05	PPBV	#	84
12) 1,3-BUTADIENE	1.833	54	532	0.05	PPBV	#	38
13) N-BUTANE	1.849	43	921	0.05	PPBV	#	1
14) BROMOMETHANE	1.910	94	499	0.05	PPBV		100
15) CHLOROETHANE	1.958	64	295	0.04	PPBV		95
16) DICHLOROFLUOROMETHANE	1.984	67	1087	0.04	PPBV	#	74
17) ACETONITRILE	2.055	41	1005	0.07	PPBV	#	82
19) FREON 123	2.106	83	1209	0.04	PPBV		92
20) FREON 123A	2.126	117	644	0.04	PPBV		98
21) TRICHLOROFLUOROMETHANE	2.190	101	1284	0.04	PPBV		98
22) ISOPROPYL ALCOHOL	2.229	45	1604	0.05	PPBV	#	74
23) ACETONE	2.142	58	1052	0.10	PPBV		91
24) PENTANE	2.306	42	809	0.05	PPBV	#	91
25) IODOMETHANE	2.367	142	1057	0.04	PPBV		95
26) 1,1-DICHLOROETHYLENE	2.389	96	495	0.04	PPBV		92
27) CARBON DISULFIDE	2.528	76	1277	0.04	PPBV	#	75
28) ETHANOL	2.000	45	820	0.07	PPBV	#	64
29) BROMOETHENE	2.061	106	450	0.04	PPBV	#	80
30) ACRYLONITRILE	2.277	52	632	0.06	PPBV		87
31) METHYLENE CHLORIDE	2.425	84	890	0.07	PPBV		87
32) 3-CHLOROPROPENE	2.470	76	287	0.05	PPBV	#	1
33) FREON 113	2.521	151	715	0.04	PPBV		95
34) TRANS-1,2-DICHLOROETHENE	2.753	96	522	0.04	PPBV		78
35) TERTIARY BUTYL ALCOHOL	2.447	59	1139	0.04	PPBV	#	51
36) METHYL TERTIARY BUTYL ...	2.878	73	1180	0.04	PPBV	#	81
37) TETRAHYDROFURAN	3.598	72	164	0.03	PPBV	#	47
38) HEXANE	3.322	57	1231	0.05	PPBV		88
39) VINYL ACETATE	2.910	86	51	0.02	PPBV	#	1
40) 1,1-DICHLOROETHANE	2.830	63	955	0.04	PPBV	#	86
41) METHYL ETHYL KETONE	3.010	72	219	0.04	PPBV	#	14
42) CIS-1,2-DICHLOROETHENE	3.190	96	521	0.04	PPBV		97
43) DIISOPROPYL ETHER	3.338	59	208	0.03	PPBV		43
44) ETHYL ACETATE	3.341	61	177	0.04	PPBV	#	83
45) METHYL ACRYLATE	3.328	55	948	0.04	PPBV		90
46) CHLOROFORM	3.344	83	987	0.04	PPBV		97
47) 2,4-DIMETHYLPENTANE	3.836	57	1018	0.04	PPBV		92
48) 1,1,1-TRICHLOROETHANE	3.910	97	923	0.04	PPBV		93
49) CARBON TETRACHLORIDE	4.335	117	765	0.03	PPBV		94
50) 1,2-DICHLOROETHANE	3.749	62	737	0.04	PPBV	#	91

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 09:49:15 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration

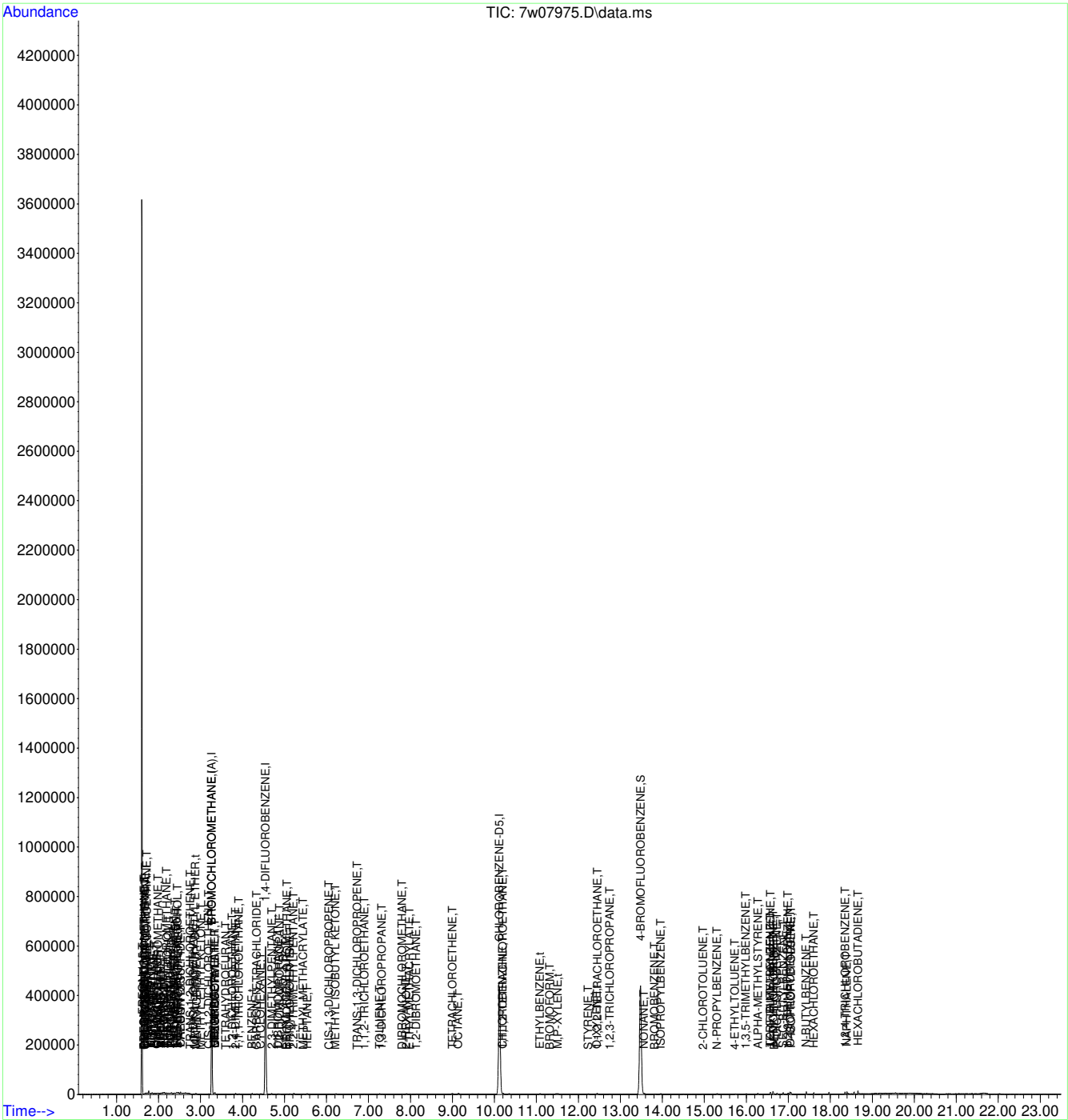
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
51) BENZENE	4.219	78	1765	0.05	PPBV		98
53) CYCLOHEXANE	4.428	84	693	0.04	PPBV		95
54) 2,3-DIMETHYLPENTANE	4.695	71	323	0.04	PPBV	#	73
55) TRICHLOROETHENE	5.122	95	728	0.04	PPBV		89
56) 1,2-DICHLOROPROPANE	4.884	63	609	0.04	PPBV	#	86
57) DIBROMOMETHANE	4.846	174	617	0.04	PPBV		90
58) ETHYL ACRYLATE	5.032	55	1286	0.04	PPBV	#	86
59) BROMODICHLOROMETHANE	5.061	83	937	0.04	PPBV		95
60) 2,2,4-TRIMETHYLPENTANE	5.216	57	3047	0.04	PPBV	#	93
62) HEPTANE	5.540	43	1123	0.04	PPBV		92
63) METHYL METHACRYLATE	5.447	69	574	0.04	PPBV	#	85
64) METHYL ISOBUTYL KETONE	6.206	58	746	0.05	PPBV	#	1
65) CIS-1,3-DICHLOROPROPENE	6.058	75	655	0.03	PPBV		86
66) TOLUENE	7.264	91	2052	0.04	PPBV		98
67) 1,3-DICHLOROPROPANE	7.315	76	924	0.04	PPBV	#	84
68) TRANS-1,3-DICHLOROPROPENE	6.730	75	422	0.03	PPBV		90
69) 1,1,2-TRICHLOROETHANE	6.904	83	497	0.04	PPBV		98
70) 2-HEXANONE	7.900	58	1104	0.05	PPBV	#	95
71) ETHYL METHACRYLATE	7.978	69	838	0.04	PPBV	#	87
72) TETRACHLOROETHENE	8.994	164	878	0.05	PPBV		93
73) DIBROMOCHLOROMETHANE	7.797	129	793	0.03	PPBV		92
74) 1,2-DIBROMOETHANE	8.138	107	952	0.04	PPBV	#	99
75) OCTANE	9.135	43	2128	0.06	PPBV	#	79
77) 1,1,1,2-TETRACHLOROETHANE	10.196	131	638	0.04	PPBV		86
78) CHLOROBENZENE	10.190	112	1477	0.04	PPBV	#	87
79) ETHYLBENZENE	11.080	91	2859	0.05	PPBV		99
80) M,P-XYLENE	11.505	91	4346m	0.09	PPBV		
81) O-XYLENE	12.434	91	2112	0.04	PPBV		84
82) STYRENE	12.231	104	1406	0.04	PPBV	#	67
83) NONANE	13.556	43	1791	0.05	PPBV	#	83
84) BROMOFORM	11.318	173	690m	0.03	PPBV		
85) 1,1,2,2-TETRACHLOROETHANE	12.456	83	1288	0.04	PPBV	#	90
86) 1,2,3-TRICHLOROPROPANE	12.743	75	1102	0.04	PPBV	#	99
88) ISOPROPYLBENZENE	13.958	120	662	0.04	PPBV		78
89) BROMOBENZENE	13.810	77	1167	0.03	PPBV		95
90) 2-CHLOROTOLUENE	14.964	126	643	0.04	PPBV	#	62
91) N-PROPYLBENZENE	15.299	120	676	0.04	PPBV	#	62
92) 4-ETHYLTOLUENE	15.723	105	2657m	0.04	PPBV		
93) 1,3,5-TRIMETHYLBENZENE	15.987	105	2186	0.04	PPBV		97
94) ALPHA-METHYLSTYRENE	16.276	118	1080	0.04	PPBV		98
95) TERT-BUTYLBENZENE	16.569	134	543	0.04	PPBV		94
96) 1,2,4-TRIMETHYLBENZENE	16.578	105	2186	0.04	PPBV		95
97) BENZYL CHLORIDE	16.662	91	535	0.02	PPBV	#	61
98) M-DICHLOROBENZENE	16.636	146	1366	0.04	PPBV		94
99) P-DICHLOROBENZENE	16.730	146	1547	0.04	PPBV		97
100) O-DICHLOROBENZENE	17.041	146	1438	0.04	PPBV		96
101) SEC-BUTYLBENZENE	16.871	134	621	0.04	PPBV		88
102) 1,2,3-TRIMETHYLBENZENE	16.990	105	2316	0.04	PPBV	#	89
103) P-ISOPROPYLTOLUENE	17.064	134	687	0.04	PPBV		94
104) N-BUTYLBENZENE	17.424	134	648	0.04	PPBV		83
105) HEXACHLOROETHANE	17.604	117	508	0.03	PPBV		93
106) HEXACHLOROBUTADIENE	18.659	225	1096	0.04	PPBV		95
107) 1,2,4-TRICHLOROBENZENE	18.350	180	1301	0.04	PPBV		97
108) NAPHTHALENE	18.395	128	4007	0.04	PPBV		100
110) TVHC as equiv Pentane	2.306	TIC	3733m	0.04	PPBV		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 09:49:15 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration



Manual Integration Approval Summary

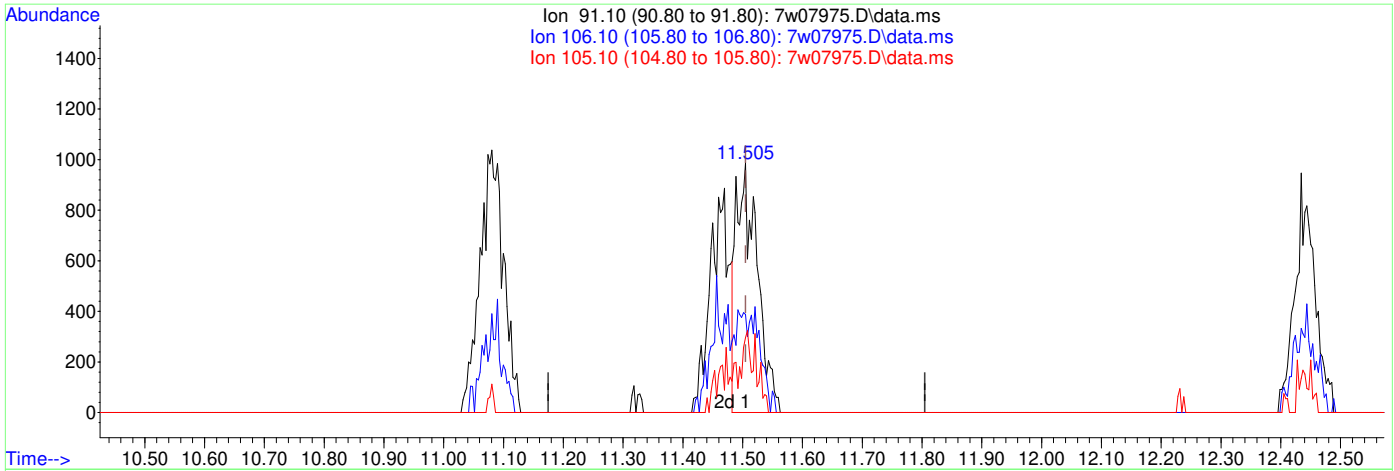
Sample Number: V7W305-IC305 **Method:** TO-15
Lab FileID: 7W07975.D **Analyst approved:** 08/19/24 10:01 Benjamin Kim
Injection Time: 08/18/24 21:40 **Supervisor approved:** 08/19/24 10:53 Kanya Veerawat

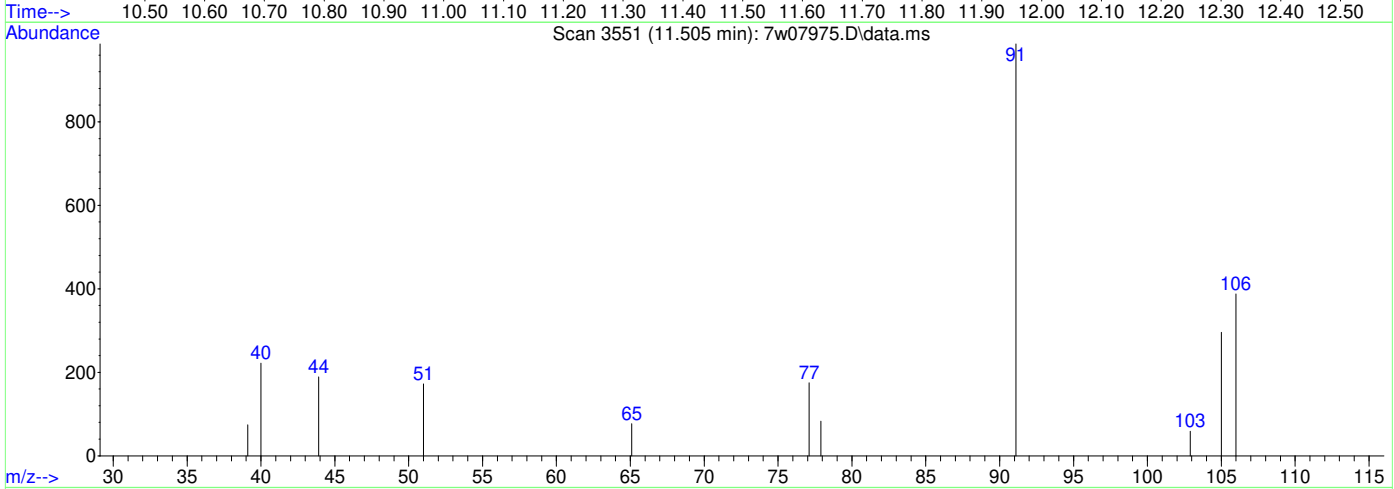
Parameter	CAS	Sig#	R.T. (min.)	Reason
TVHC As Equiv Pentane			2.31	Poor instrument integration
Bromoform	75-25-2		11.32	Split peak
m,p-Xylene			11.50	Split peak
4-Ethyltoluene	622-96-8		15.72	Split peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 03:00:44 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration





TIC: 7w07975.D\data.ms

(80) M,P-XYLENE (t)

11.505min (-0.000) 0.05PPBV

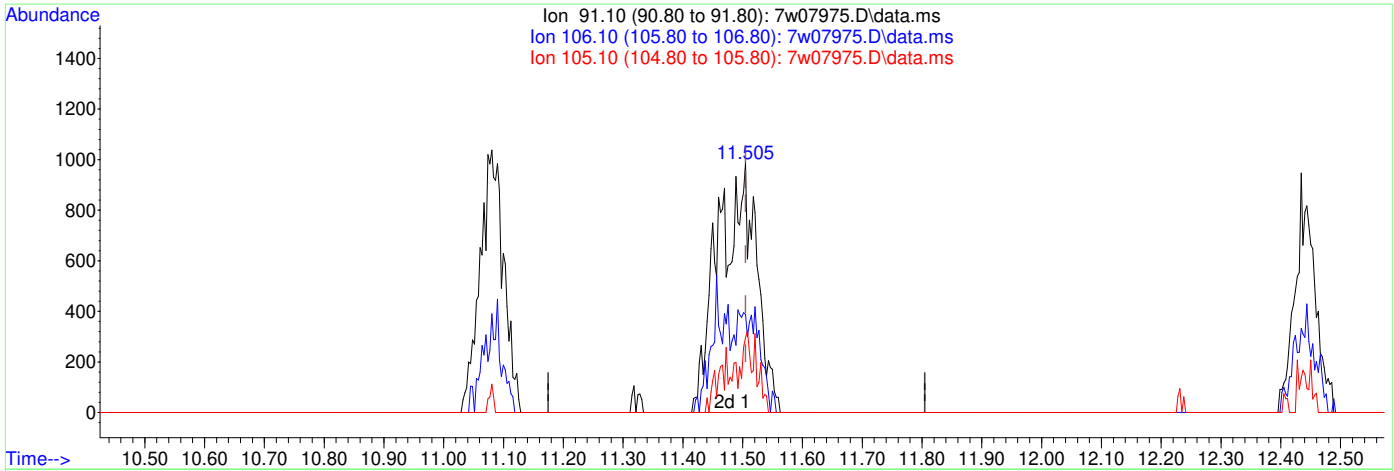
response 2415

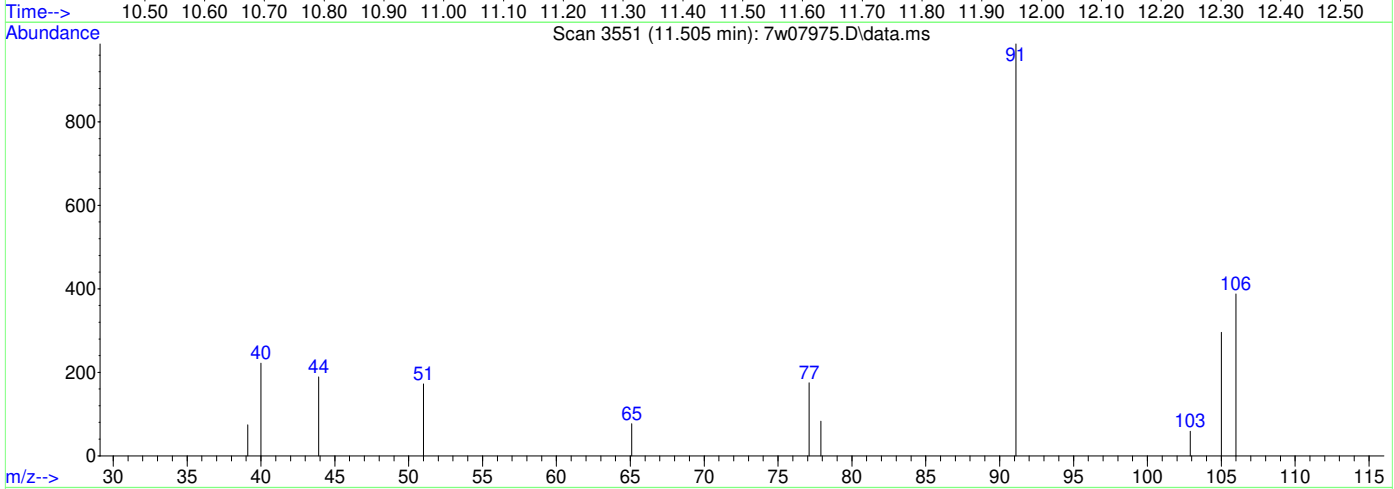
Ion	Exp%	Act%
91.10	100	100
106.10	24.00	17.97
105.10	11.30	30.39
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 03:00:44 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration





TIC: 7w07975.D\data.ms

(80) M,P-XYLENE (t)

11.505min (-0.000) 0.09PPBV m

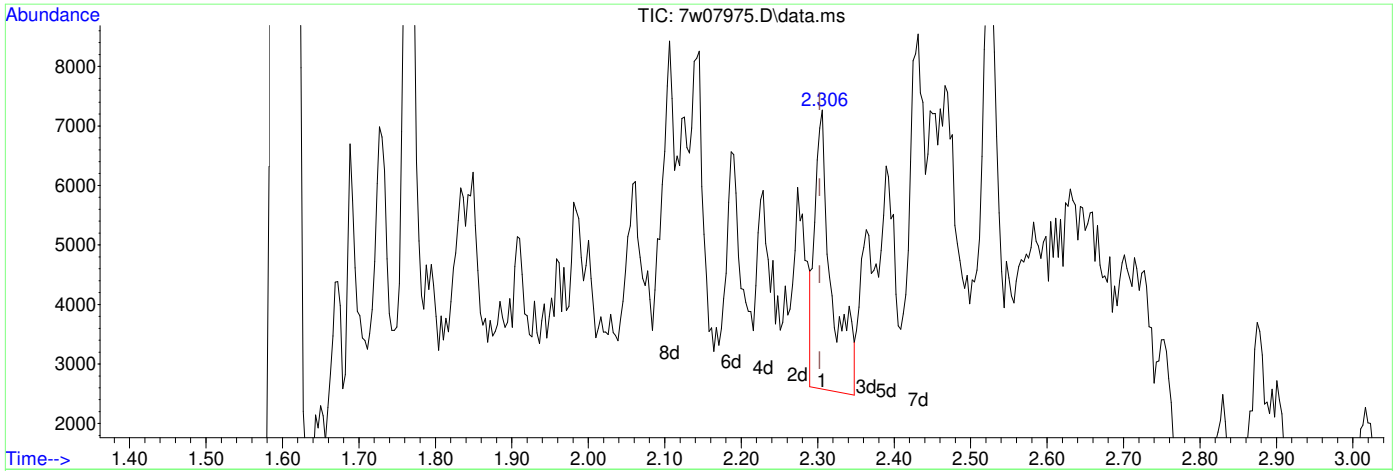
response 4346

Ion	Exp%	Act%
91.10	100	100
106.10	24.00	9.99
105.10	11.30	16.89
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 03:01:09 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration



TIC: 7w07975.D\data.ms

(110) TVHC as equiv Pentane

2.306min (+0.003) 0.08PPBV

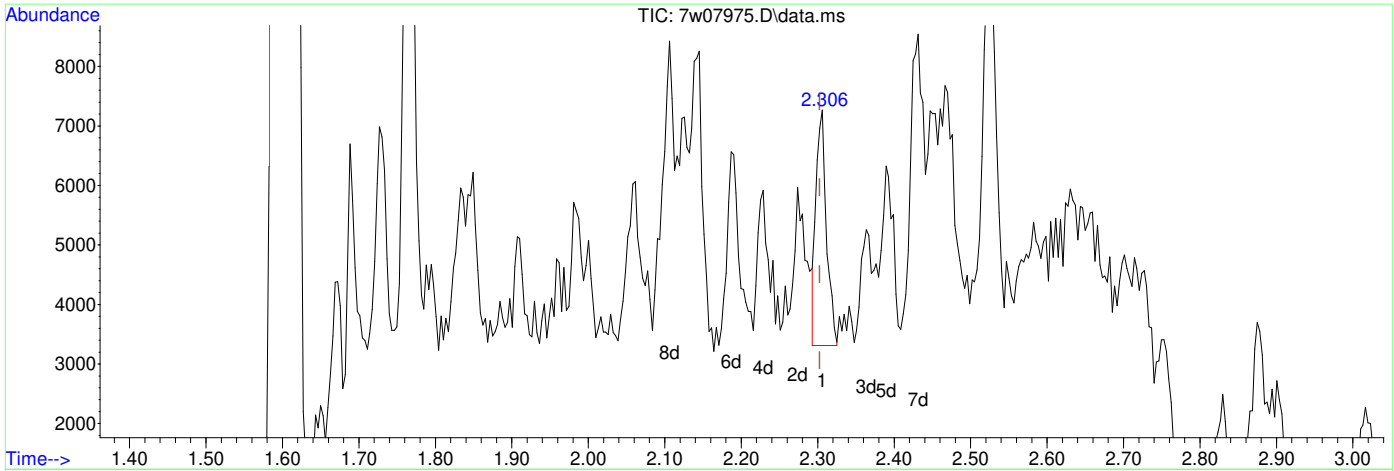
response 7138

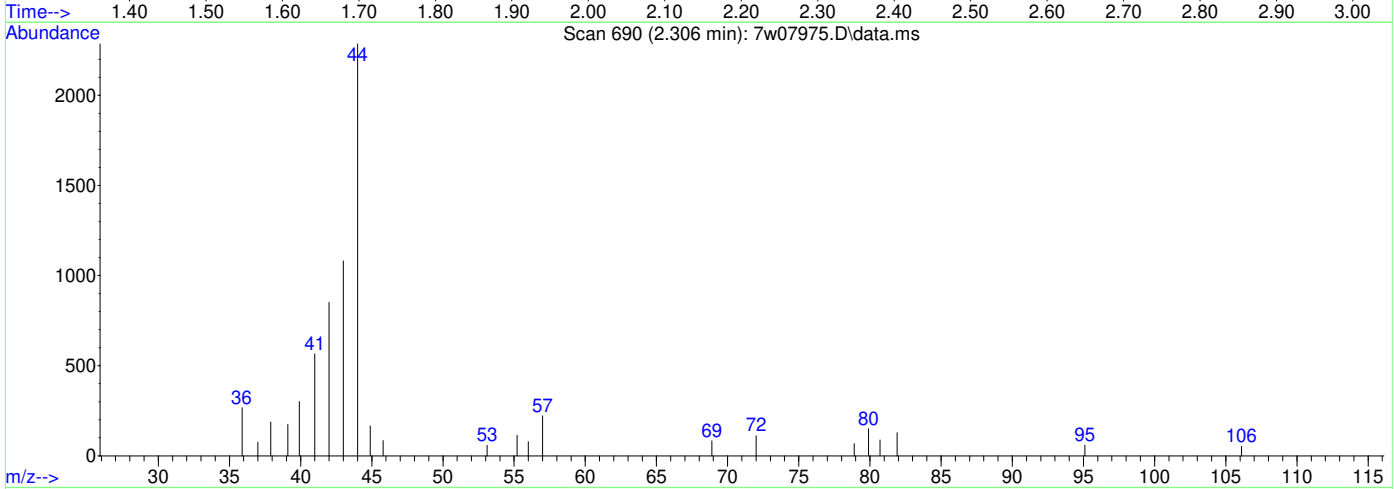
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 03:01:09 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration





TIC: 7w07975.D\data.ms

(110) TVHC as equiv Pentane

2.306min (+0.003) 0.04PPBV m

response 3733

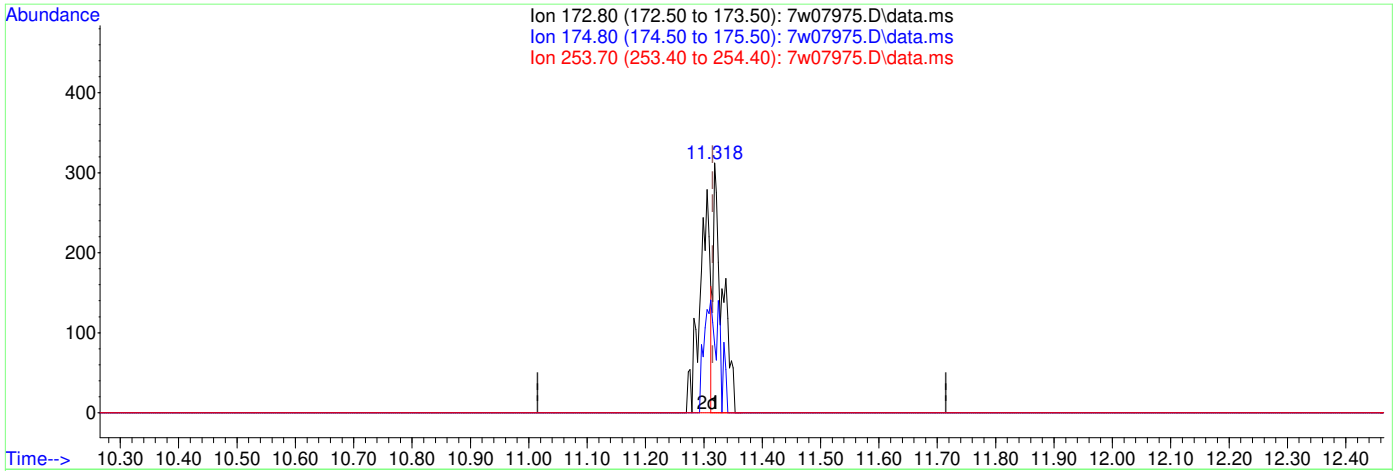
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

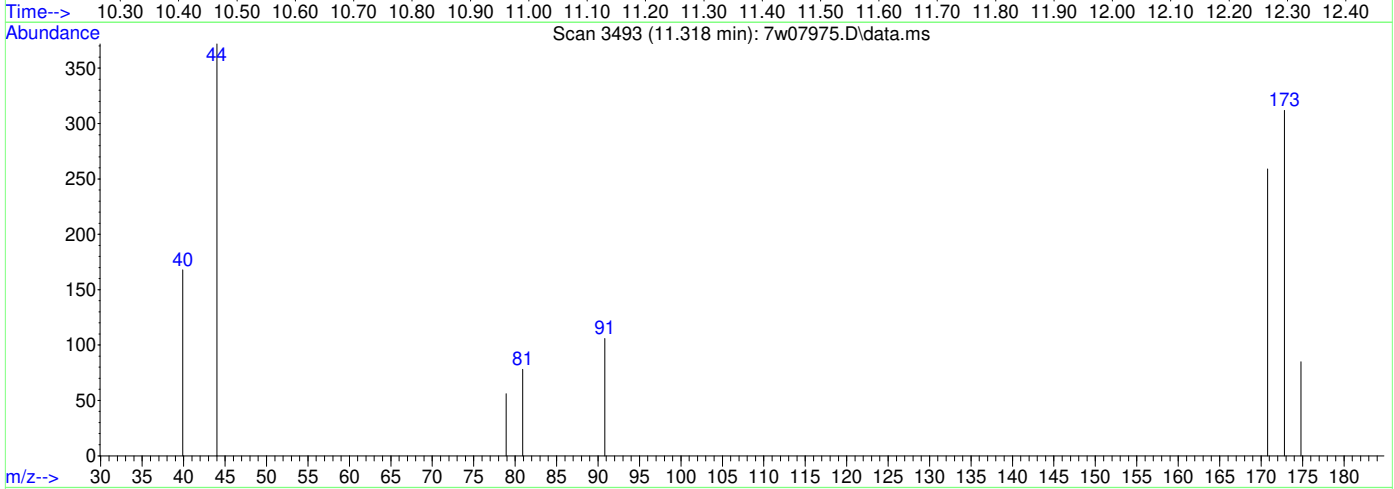
7W07975.D edits: TVHC as equiv Pentane

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 09:48:13 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration





TIC: 7w07975.D\data.ms

(84) BROMOFORM (T)

11.318min (+0.003) 0.02PPBV

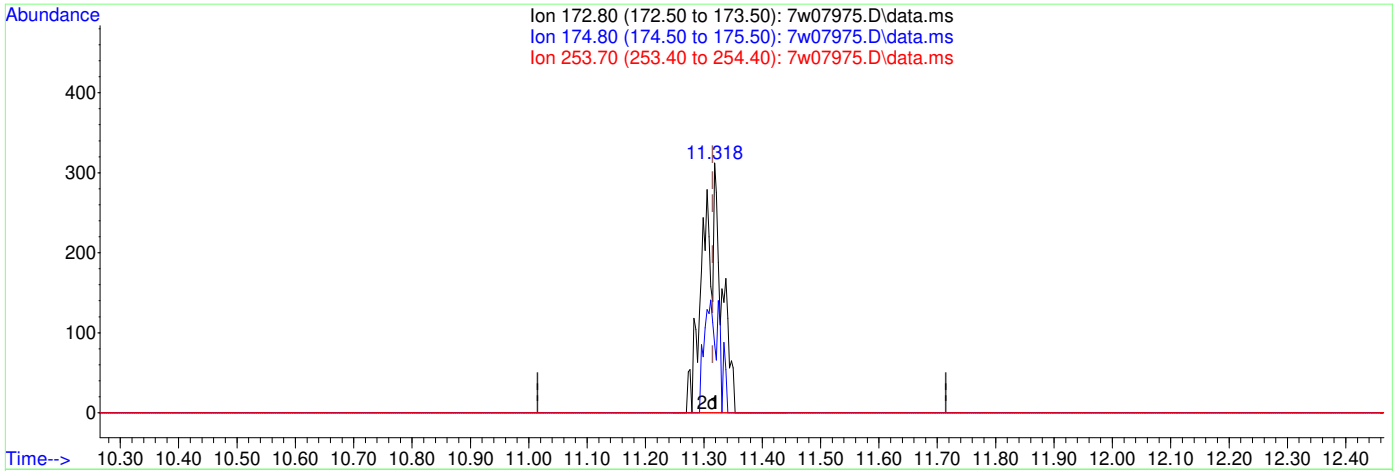
response 343

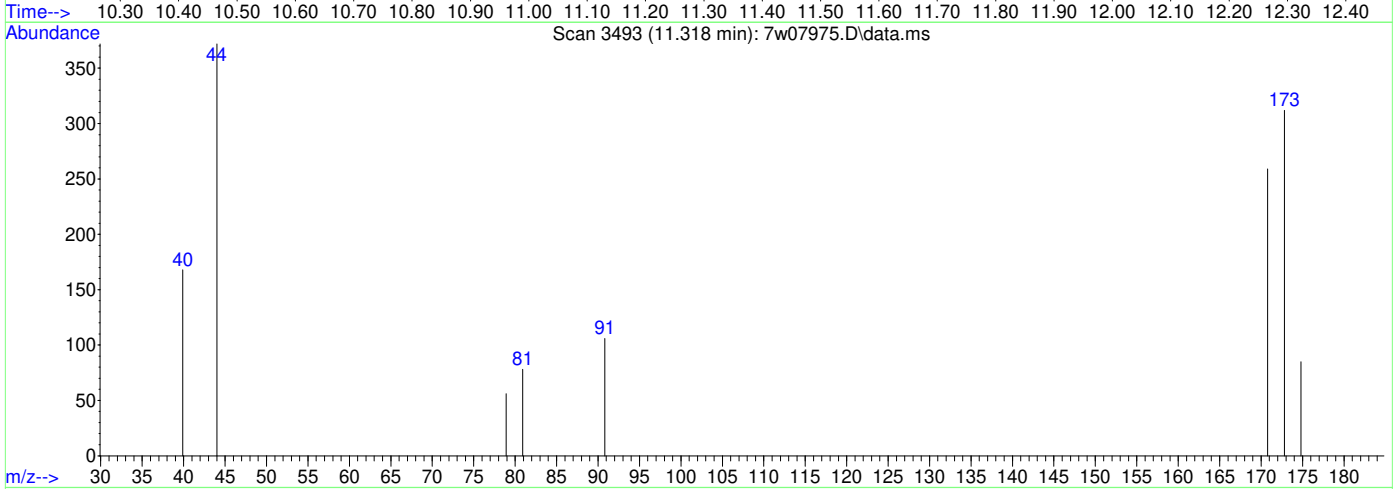
Ion	Exp%	Act%
172.80	100	100
174.80	48.30	73.76#
253.70	8.60	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 09:48:13 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration





TIC: 7w07975.D\data.ms

(84) BROMOFORM (T)

11.318min (+0.003) 0.03PPBV m

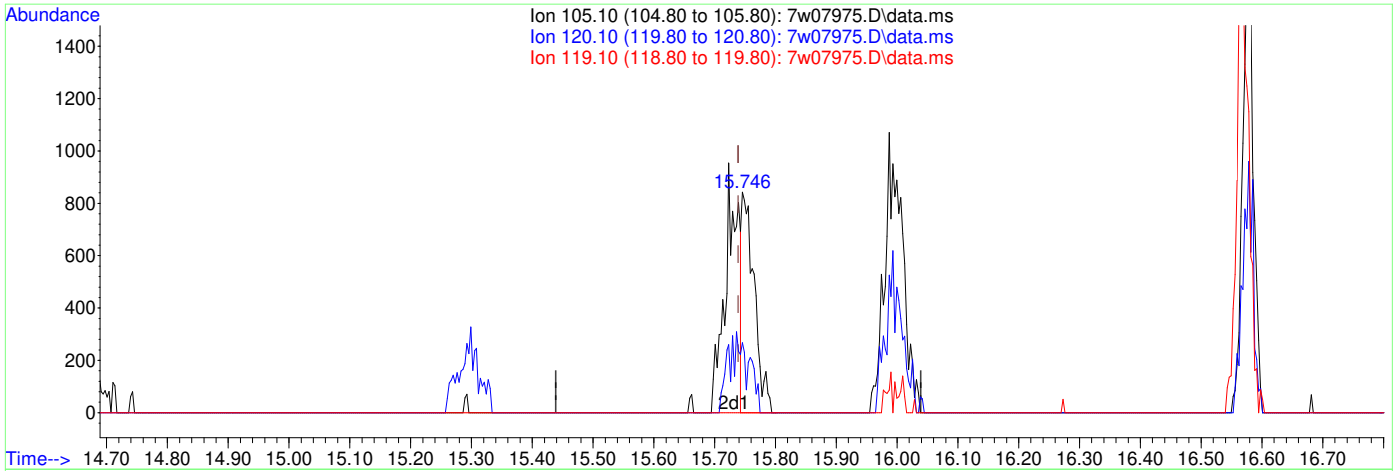
response 690

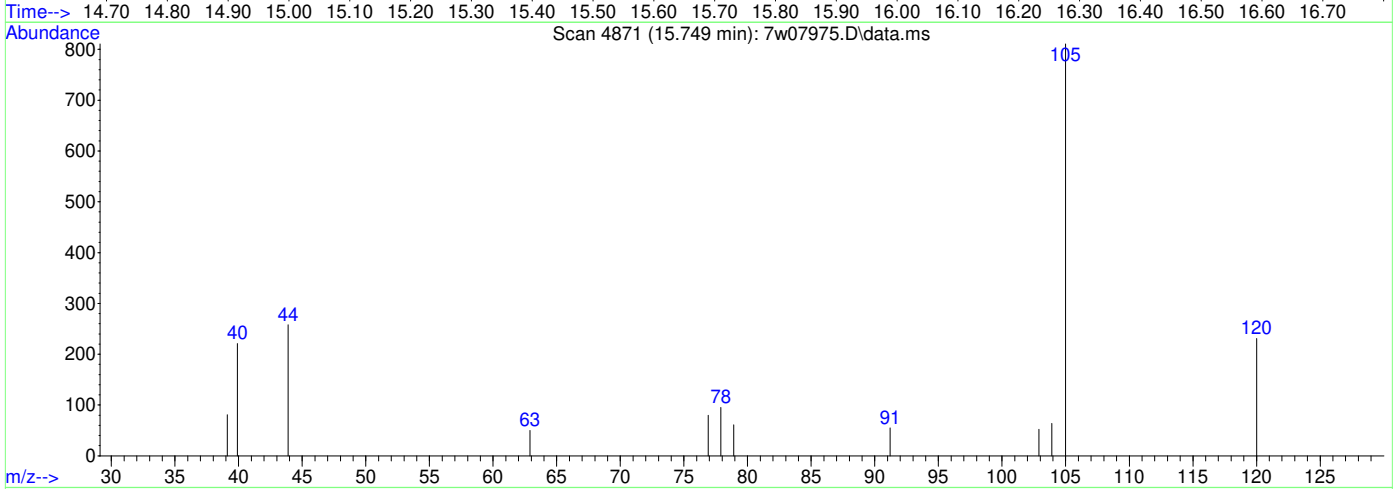
Ion	Exp%	Act%
172.80	100	100
174.80	48.30	36.67
253.70	8.60	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 09:48:13 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration





TIC: 7w07975.D\data.ms

(92) 4-ETHYLTOLUENE (T)

15.749min (+0.010) 0.02PPBV

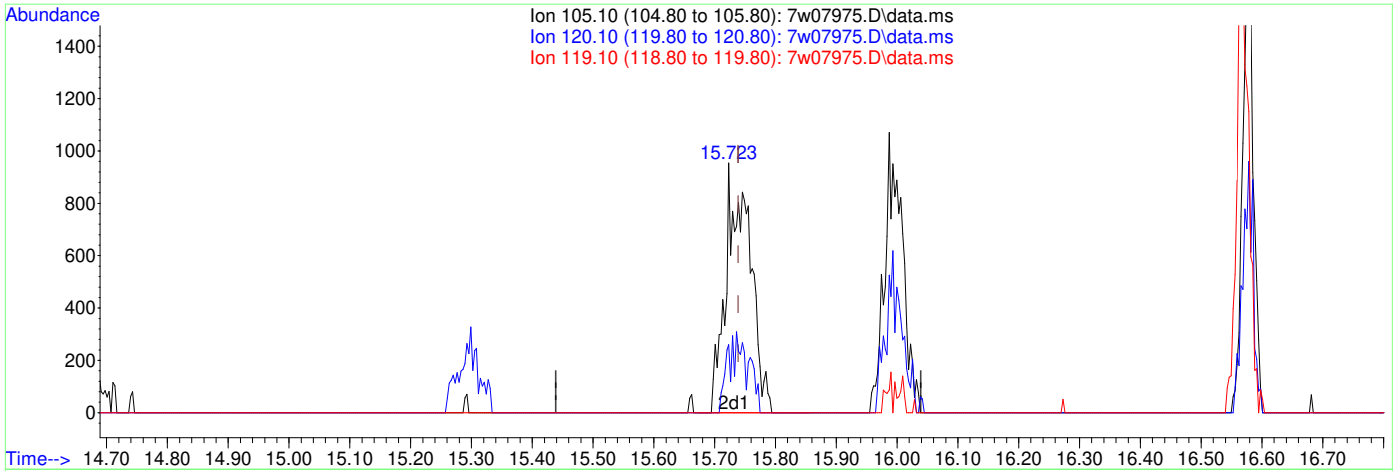
response 1190

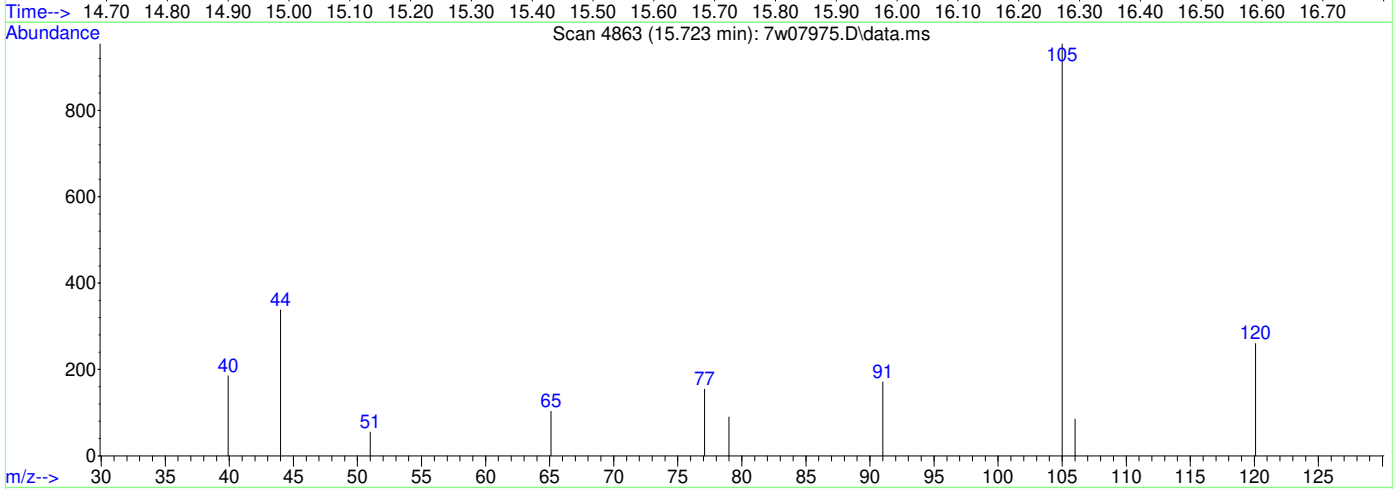
Ion	Exp%	Act%
105.10	100	100
120.10	29.90	59.66#
119.10	2.30	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 09:48:13 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration





TIC: 7w07975.D\data.ms

(92) 4-ETHYLTOLUENE (T)

15.723min (-0.016) 0.04PPBV m

response 2657

Ion	Exp%	Act%
105.10	100	100
120.10	29.90	26.72
119.10	2.30	0.00#
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 08/19/24 10:53

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07976.D
Acq On : 18 Aug 2024 10:13 pm
Operator : benk
Sample : ic305-0.10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 02:24:46 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:16 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.267	128	83993	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.547	114	426374	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.119	117	372534	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.267	128	83993	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.476	95	268355	9.65	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.618	119	1189	0.11	PPBV		97
3) FREON 152A	1.647	65	621	0.10	PPBV		99
4) CHLORODIFLUOROMETHANE	1.663	67	284	0.10	PPBV		86
5) CHLOROTRIFLUOROETHENE	1.672	116	1478	0.11	PPBV		82
6) DICHLORODIFLUOROMETHANE	1.688	85	3366	0.09	PPBV		97
7) PROPYLENE	1.672	41	1040	0.13	PPBV		91
8) 1-CHLORO-1,1-DIFLUOROE...	1.727	65	2851	0.09	PPBV	#	85
9) FREON 114	1.762	85	3135	0.10	PPBV		96
10) CHLOROMETHANE	1.737	52	472	0.09	PPBV		99
11) VINYL CHLORIDE	1.791	62	1305	0.09	PPBV	#	96
12) 1,3-BUTADIENE	1.833	54	1195	0.09	PPBV	#	79
13) N-BUTANE	1.849	43	2166	0.09	PPBV	#	55
14) BROMOMETHANE	1.907	94	1159	0.10	PPBV		99
15) CHLOROETHANE	1.958	64	645	0.08	PPBV	#	92
16) DICHLOROFLUOROMETHANE	1.984	67	2615	0.09	PPBV		90
17) ACETONITRILE	2.055	41	1535	0.10	PPBV	#	70
18) ACROLEIN	2.097	56	855	0.11	PPBV		79
19) FREON 123	2.106	83	2595	0.08	PPBV		91
20) FREON 123A	2.122	117	1623	0.09	PPBV		98
21) TRICHLOROFLUOROMETHANE	2.187	101	3104	0.09	PPBV		94
22) ISOPROPYL ALCOHOL	2.232	45	3464	0.09	PPBV	#	96
23) ACETONE	2.142	58	1367	0.13	PPBV		81
24) PENTANE	2.299	42	1690	0.09	PPBV		94
25) IODOMETHANE	2.367	142	2692	0.09	PPBV		99
26) 1,1-DICHLOROETHYLENE	2.389	96	1212	0.09	PPBV		98
27) CARBON DISULFIDE	2.524	76	3323	0.09	PPBV	#	2
28) ETHANOL	1.997	45	1564	0.18	PPBV	#	91
29) BROMOETHENE	2.061	106	1012	0.08	PPBV	#	91
30) ACRYLONITRILE	2.277	52	1142	0.09	PPBV		88
31) METHYLENE CHLORIDE	2.428	84	1614	0.13	PPBV		97
32) 3-CHLOROPROPENE	2.467	76	615	0.09	PPBV	#	34
33) FREON 113	2.524	151	1786	0.09	PPBV		95
34) TRANS-1,2-DICHLOROETHENE	2.753	96	1124	0.09	PPBV		97
35) TERTIARY BUTYL ALCOHOL	2.454	59	2814	0.09	PPBV	#	1
36) METHYL TERTIARY BUTYL ...	2.875	73	2894	0.10	PPBV	#	83
37) TETRAHYDROFURAN	3.589	72	550	0.11	PPBV		96
38) HEXANE	3.319	57	2328	0.10	PPBV		95
39) VINYL ACETATE	2.897	86	238	0.10	PPBV	#	28
40) 1,1-DICHLOROETHANE	2.827	63	2094	0.10	PPBV		97
41) METHYL ETHYL KETONE	3.013	72	631	0.12	PPBV		93
42) CIS-1,2-DICHLOROETHENE	3.190	96	1257	0.11	PPBV		95
43) DIISOPROPYL ETHER	3.338	59	665	0.11	PPBV		91
44) ETHYL ACETATE	3.348	61	500	0.11	PPBV		79
45) METHYL ACRYLATE	3.325	55	2546	0.09	PPBV		96
46) CHLOROFORM	3.338	83	2546	0.11	PPBV		96
47) 2,4-DIMETHYLPENTANE	3.830	57	2770	0.11	PPBV		97
48) 1,1,1-TRICHLOROETHANE	3.913	97	2268	0.11	PPBV		97
49) CARBON TETRACHLORIDE	4.338	117	2109	0.10	PPBV		95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07976.D
Acq On : 18 Aug 2024 10:13 pm
Operator : benk
Sample : ic305-0.10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 02:24:46 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:16 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	3.746	62	1979	0.11	PPBV		94
51)	BENZENE	4.225	78	4011	0.12	PPBV		97
53)	CYCLOHEXANE	4.434	84	1594	0.11	PPBV		93
54)	2,3-DIMETHYLPENTANE	4.675	71	764	0.10	PPBV		78
55)	TRICHLOROETHENE	5.122	95	1772	0.11	PPBV		93
56)	1,2-DICHLOROPROPANE	4.894	63	1565	0.11	PPBV		98
57)	DIBROMOMETHANE	4.849	174	1541	0.11	PPBV		98
58)	ETHYL ACRYLATE	5.029	55	3169	0.10	PPBV		98
59)	BROMODICHLOROMETHANE	5.068	83	2410	0.10	PPBV		89
60)	2,2,4-TRIMETHYLPENTANE	5.212	57	7392	0.10	PPBV		96
61)	1,4-DIOXANE	5.245	88	791	0.10	PPBV	#	31
62)	HEPTANE	5.534	43	2624	0.10	PPBV		98
63)	METHYL METHACRYLATE	5.441	69	1358	0.10	PPBV		99
64)	METHYL ISOBUTYL KETONE	6.209	58	1670	0.11	PPBV		85
65)	CIS-1,3-DICHLOROPROPENE	6.064	75	1749	0.09	PPBV		95
66)	TOLUENE	7.257	91	4699	0.11	PPBV		100
67)	1,3-DICHLOROPROPANE	7.322	76	2200	0.10	PPBV		94
68)	TRANS-1,3-DICHLOROPROPENE	6.736	75	1161	0.07	PPBV		92
69)	1,1,2-TRICHLOROETHANE	6.894	83	1330	0.11	PPBV		97
70)	2-HEXANONE	7.891	58	2802	0.12	PPBV		98
71)	ETHYL METHACRYLATE	7.990	69	2017	0.09	PPBV	#	29
72)	TETRACHLOROETHENE	8.987	164	1787	0.11	PPBV		96
73)	DIBROMOCHLOROMETHANE	7.791	129	2184	0.11	PPBV		96
74)	1,2-DIBROMOETHANE	8.148	107	2144	0.10	PPBV	#	93
75)	OCTANE	9.145	43	4023	0.11	PPBV		97
77)	1,1,1,2-TETRACHLOROETHANE	10.212	131	1614	0.10	PPBV		98
78)	CHLOROBENZENE	10.196	112	3946	0.12	PPBV		98
79)	ETHYLBENZENE	11.077	91	6395	0.11	PPBV		98
80)	M,P-XYLENE	11.502	91	9776m	0.24	PPBV		
81)	O-XYLENE	12.444	91	5001	0.12	PPBV		96
82)	STYRENE	12.231	104	3528	0.11	PPBV		97
83)	NONANE	13.569	43	4019	0.11	PPBV		98
84)	BROMOFORM	11.309	173	1656	0.09	PPBV	#	94
85)	1,1,2,2-TETRACHLOROETHANE	12.453	83	3311	0.11	PPBV	#	27
86)	1,2,3-TRICHLOROPROPANE	12.730	75	2751	0.12	PPBV	#	99
88)	ISOPROPYLBENZENE	13.964	120	1945	0.12	PPBV		89
89)	BROMOBENZENE	13.813	77	3458	0.11	PPBV		95
90)	2-CHLOROTOLUENE	14.948	126	1559	0.11	PPBV		93
91)	N-PROPYLBENZENE	15.292	120	1817	0.11	PPBV	#	78
92)	4-ETHYLTOLUENE	15.743	105	6120	0.10	PPBV	#	75
93)	1,3,5-TRIMETHYLBENZENE	16.000	105	5446	0.10	PPBV		97
94)	ALPHA-METHYLSTYRENE	16.267	118	2523	0.09	PPBV		98
95)	TERT-BUTYLBENZENE	16.572	134	1313	0.10	PPBV		98
96)	1,2,4-TRIMETHYLBENZENE	16.578	105	5507	0.09	PPBV		97
97)	BENZYL CHLORIDE	16.669	91	1270	0.05	PPBV		98
98)	M-DICHLOROBENZENE	16.636	146	3586	0.10	PPBV		93
99)	P-DICHLOROBENZENE	16.733	146	3820	0.10	PPBV		100
100)	O-DICHLOROBENZENE	17.041	146	3498	0.10	PPBV		98
101)	SEC-BUTYLBENZENE	16.878	134	1720	0.10	PPBV		90
102)	1,2,3-TRIMETHYLBENZENE	16.990	105	5572	0.10	PPBV		97
103)	P-ISOPROPYLTOLUENE	17.061	134	1842	0.10	PPBV		91
104)	N-BUTYLBENZENE	17.427	134	1626	0.09	PPBV		90
105)	HEXACHLOROETHANE	17.604	117	1235	0.07	PPBV		96
106)	HEXACHLOROBUTADIENE	18.656	225	2528	0.10	PPBV		98
107)	1,2,4-TRICHLOROBENZENE	18.350	180	3381	0.14	PPBV		97
108)	NAPHTHALENE	18.395	128	9159	0.16	PPBV		98
110)	TVHC as equiv Pentane	2.303	TIC	8184	0.10	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07976.D
Acq On : 18 Aug 2024 10:13 pm
Operator : benk
Sample : ic305-0.10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 02:24:46 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:16 2024
Response via : Initial Calibration

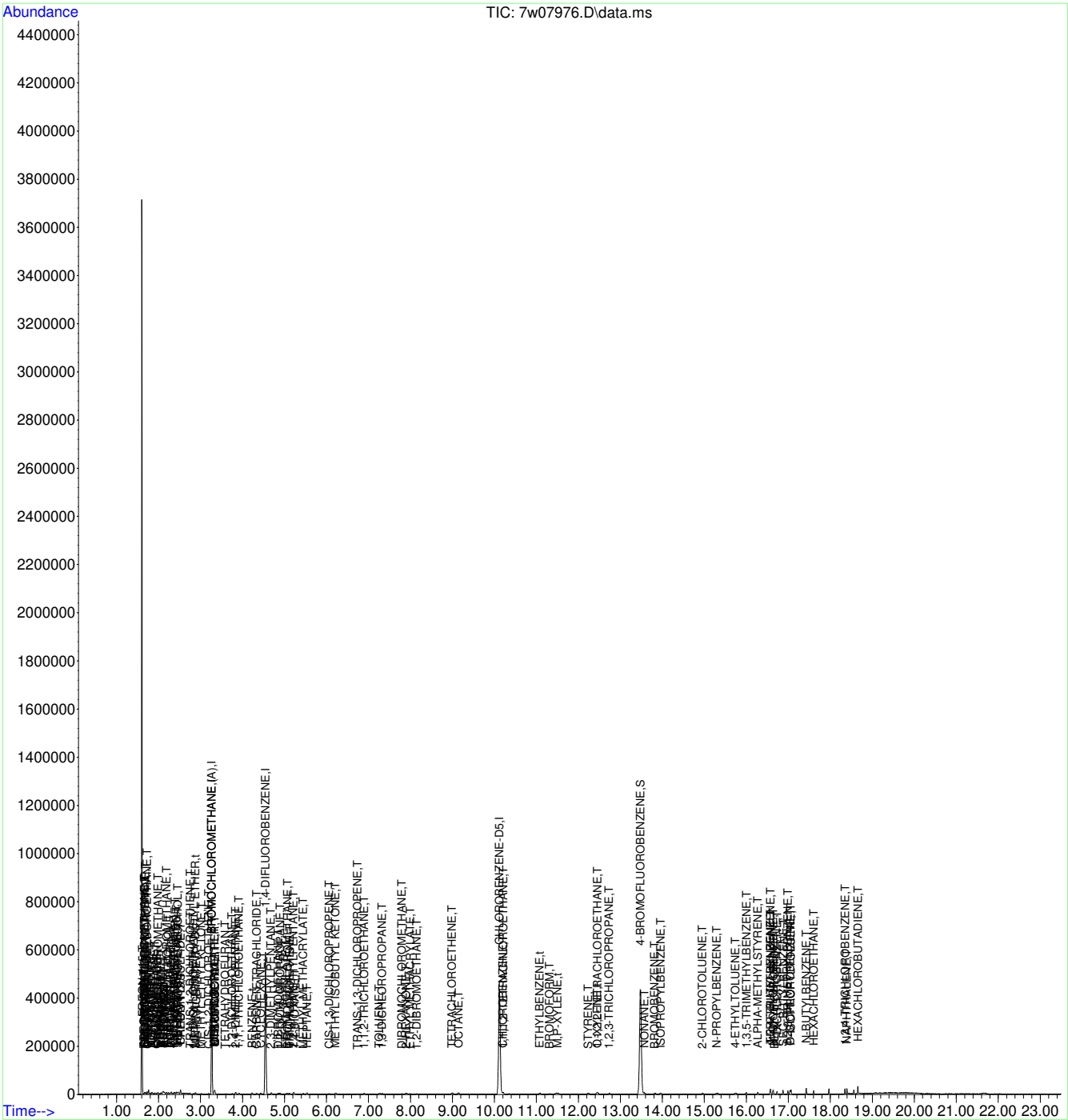
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07976.D
Acq On : 18 Aug 2024 10:13 pm
Operator : benk
Sample : ic305-0.10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 02:24:46 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:16 2024
Response via : Initial Calibration



Manual Integration Approval Summary

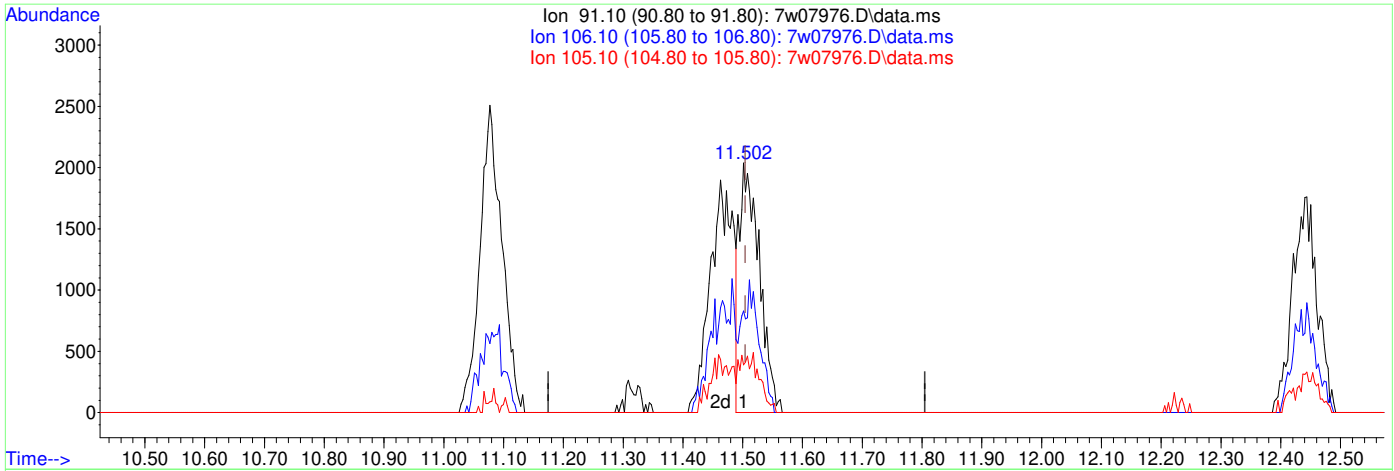
Sample Number:	V7W305-IC305	**Method:**	TO-15
Lab FileID:	7W07976.D	**Analyst approved:**	08/19/24 09:06 Benjamin Kim
Injection Time:	08/18/24 22:13	**Supervisor approved:**	08/19/24 10:53 Kanya Veerawat

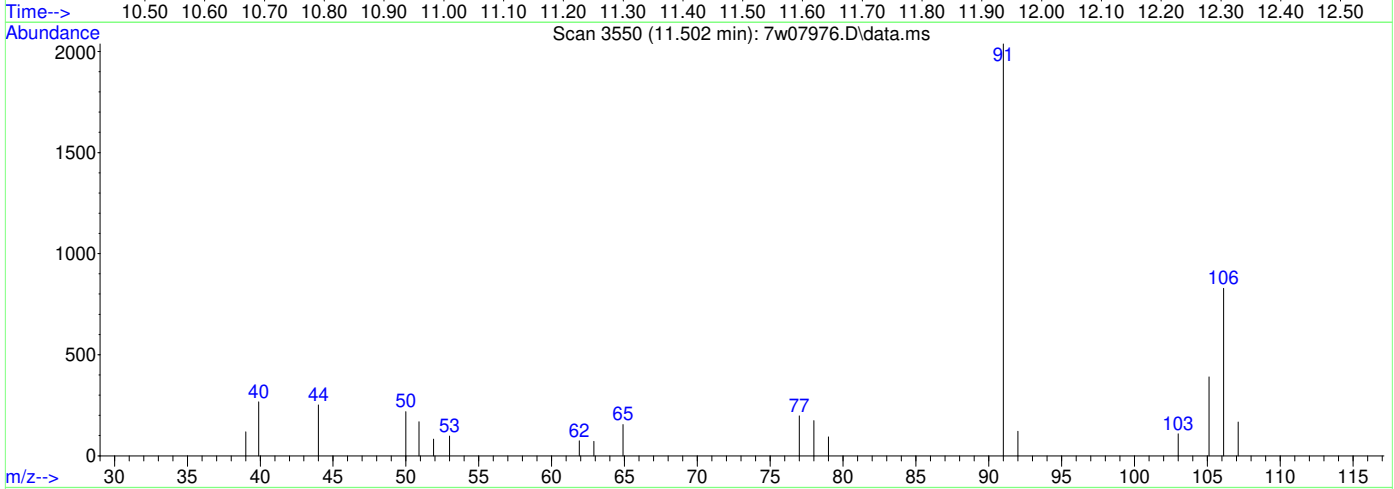
Parameter	CAS	Sig#	R.T. (min.)	Reason
m,p-Xylene			11.50	Split peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07976.D
Acq On : 18 Aug 2024 10:13 pm
Operator : benk
Sample : ic305-0.10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 00:49:26 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:16 2024
Response via : Initial Calibration





TIC: 7w07976.D\data.ms

(80) M,P-XYLENE (t)

11.502min (-0.003) 0.11PPBV

response 4741

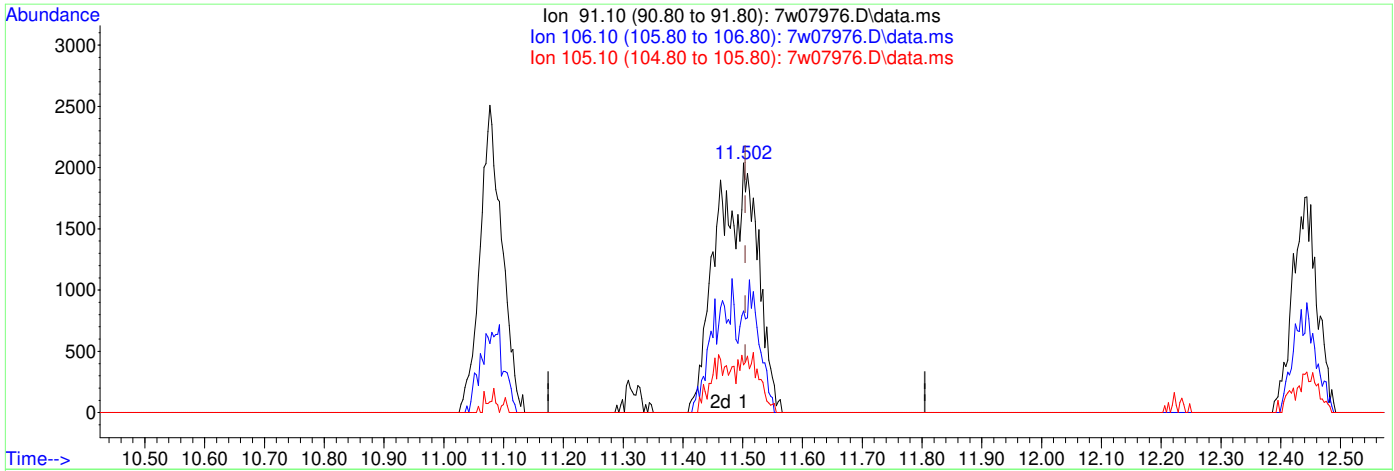
Ion	Exp%	Act%
91.10	100	100
106.10	24.00	41.55
105.10	11.30	23.24
0.00	0.00	0.00

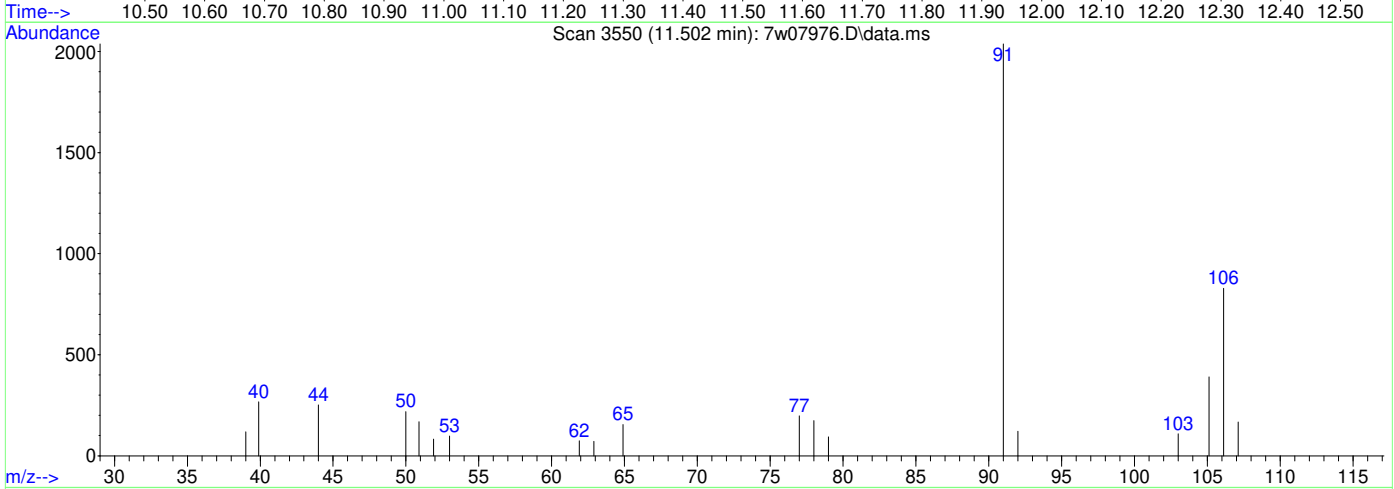
7W07976.D edits: M,P-XYLENE

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07976.D
Acq On : 18 Aug 2024 10:13 pm
Operator : benk
Sample : ic305-0.10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 00:49:26 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:16 2024
Response via : Initial Calibration





TIC: 7w07976.D\data.ms

(80) M,P-XYLENE (t)

11.502min (-0.003) 0.24PPBV m

response 9776

Ion	Exp%	Act%
91.10	100	100
106.10	24.00	20.15
105.10	11.30	11.27
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 08/19/24 10:53

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07977.D
Acq On : 18 Aug 2024 10:49 pm
Operator : benk
Sample : ic305-0.20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 02:24:09 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:32 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.267	128	81591	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.547	114	417480	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.122	117	367012	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.267	128	81591	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.479	95	264802	9.63	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.618	119	2326	0.21	PPBV		94
3) FREON 152A	1.647	65	1163	0.19	PPBV		92
4) CHLORODIFLUOROMETHANE	1.656	67	602	0.23	PPBV		87
5) CHLOROTRIFLUOROETHENE	1.673	116	2630	0.21	PPBV		99
6) DICHLORODIFLUOROMETHANE	1.685	85	6840	0.19	PPBV		98
7) PROPYLENE	1.669	41	1717	0.21	PPBV		94
8) 1-CHLORO-1,1-DIFLUOROE...	1.724	65	5757	0.18	PPBV		91
9) FREON 114	1.759	85	5769	0.18	PPBV		98
10) CHLOROMETHANE	1.727	52	850	0.17	PPBV		99
11) VINYL CHLORIDE	1.791	62	2663	0.18	PPBV		96
12) 1,3-BUTADIENE	1.830	54	2375	0.19	PPBV		94
13) N-BUTANE	1.846	43	4070	0.17	PPBV	#	79
14) BROMOMETHANE	1.907	94	2219	0.19	PPBV		98
15) CHLOROETHANE	1.955	64	1401	0.17	PPBV		92
16) DICHLOROFLUOROMETHANE	1.981	67	5439	0.19	PPBV		99
17) ACETONITRILE	2.055	41	3149	0.21	PPBV		93
18) ACROLEIN	2.094	56	1372	0.19	PPBV		89
19) FREON 123	2.103	83	5470	0.17	PPBV		98
20) FREON 123A	2.123	117	3145	0.18	PPBV		96
21) TRICHLOROFLUOROMETHANE	2.187	101	5923	0.18	PPBV		97
22) ISOPROPYL ALCOHOL	2.226	45	6150	0.16	PPBV		100
23) ACETONE	2.139	58	2159	0.22	PPBV		100
24) PENTANE	2.299	42	3022	0.16	PPBV		96
25) IODOMETHANE	2.361	142	5432	0.18	PPBV		98
26) 1,1-DICHLOROETHYLENE	2.390	96	2330	0.18	PPBV		98
27) CARBON DISULFIDE	2.525	76	6551	0.18	PPBV	#	31
28) ETHANOL	2.000	45	2022	0.24	PPBV		87
29) BROMOETHENE	2.058	106	2034	0.17	PPBV	#	96
30) ACRYLONITRILE	2.277	52	2439	0.18	PPBV		94
31) METHYLENE CHLORIDE	2.425	84	2696	0.22	PPBV		94
32) 3-CHLOROPROPENE	2.470	76	1256	0.18	PPBV	#	56
33) FREON 113	2.521	151	3632	0.19	PPBV		98
34) TRANS-1,2-DICHLOROETHENE	2.750	96	2164	0.18	PPBV		93
35) TERTIARY BUTYL ALCOHOL	2.451	59	5152	0.16	PPBV	#	60
36) METHYL TERTIARY BUTYL ...	2.872	73	5623	0.21	PPBV	#	94
37) TETRAHYDROFURAN	3.582	72	1097	0.23	PPBV		95
38) HEXANE	3.322	57	4465	0.20	PPBV		96
39) VINYL ACETATE	2.907	86	442	0.19	PPBV	#	41
40) 1,1-DICHLOROETHANE	2.827	63	4233	0.21	PPBV		100
41) METHYL ETHYL KETONE	3.013	72	1161	0.22	PPBV		89
42) CIS-1,2-DICHLOROETHENE	3.190	96	2366	0.22	PPBV		97
43) DIISOPROPYL ETHER	3.338	59	1113	0.18	PPBV		76
44) ETHYL ACETATE	3.344	61	910	0.22	PPBV	#	94
45) METHYL ACRYLATE	3.325	55	4855	0.19	PPBV	#	25
46) CHLOROFORM	3.338	83	4898	0.22	PPBV		96
47) 2,4-DIMETHYLPENTANE	3.836	57	4922	0.20	PPBV		96
48) 1,1,1-TRICHLOROETHANE	3.910	97	4147	0.20	PPBV		98
49) CARBON TETRACHLORIDE	4.338	117	4013	0.20	PPBV		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07977.D
Acq On : 18 Aug 2024 10:49 pm
Operator : benk
Sample : ic305-0.20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 02:24:09 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:32 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	3.746	62	3831	0.22	PPBV		98
51)	BENZENE	4.222	78	7289	0.22	PPBV		98
53)	CYCLOHEXANE	4.434	84	3089	0.22	PPBV		95
54)	2,3-DIMETHYLPENTANE	4.682	71	1631	0.22	PPBV		93
55)	TRICHLOROETHENE	5.119	95	3128	0.21	PPBV		95
56)	1,2-DICHLOROPROPANE	4.888	63	2838	0.20	PPBV		95
57)	DIBROMOMETHANE	4.846	174	2782	0.20	PPBV		95
58)	ETHYL ACRYLATE	5.020	55	6089	0.20	PPBV		99
59)	BROMODICHLOROMETHANE	5.065	83	4748	0.20	PPBV		95
60)	2,2,4-TRIMETHYLPENTANE	5.216	57	14752	0.21	PPBV		98
61)	1,4-DIOXANE	5.222	88	2233	0.23	PPBV	#	1
62)	HEPTANE	5.534	43	5290	0.21	PPBV		97
63)	METHYL METHACRYLATE	5.441	69	2733	0.22	PPBV		98
64)	METHYL ISOBUTYL KETONE	6.216	58	3415	0.22	PPBV		98
65)	CIS-1,3-DICHLOROPROPENE	6.061	75	3343	0.18	PPBV		95
66)	TOLUENE	7.264	91	9195	0.22	PPBV		100
67)	1,3-DICHLOROPROPANE	7.319	76	4502	0.22	PPBV		98
68)	TRANS-1,3-DICHLOROPROPENE	6.737	75	2208	0.14	PPBV		90
69)	1,1,2-TRICHLOROETHANE	6.891	83	2480	0.21	PPBV		97
70)	2-HEXANONE	7.888	58	5066	0.18	PPBV		93
71)	ETHYL METHACRYLATE	7.984	69	4055	0.20	PPBV		98
72)	TETRACHLOROETHENE	8.991	164	3549	0.22	PPBV		96
73)	DIBROMOCHLOROMETHANE	7.794	129	4142	0.21	PPBV		100
74)	1,2-DIBROMOETHANE	8.135	107	4391	0.22	PPBV	#	98
75)	OCTANE	9.135	43	7595	0.22	PPBV		97
77)	1,1,1,2-TETRACHLOROETHANE	10.209	131	2986	0.19	PPBV		98
78)	CHLOROBENZENE	10.199	112	7462	0.23	PPBV		97
79)	ETHYLBENZENE	11.077	91	12480	0.20	PPBV		96
80)	M,P-XYLENE	11.498	91	18766m	0.43	PPBV		
81)	O-XYLENE	12.447	91	9653	0.23	PPBV		87
82)	STYRENE	12.235	104	6881	0.23	PPBV		100
83)	NONANE	13.563	43	7639	0.22	PPBV		96
84)	BROMOFORM	11.322	173	3470	0.19	PPBV		99
85)	1,1,2,2-TETRACHLOROETHANE	12.453	83	6952	0.23	PPBV		97
86)	1,2,3-TRICHLOROPROPANE	12.740	75	5179	0.22	PPBV	#	99
88)	ISOPROPYLBENZENE	13.958	120	3629	0.22	PPBV		97
89)	BROMOBENZENE	13.820	77	6828	0.23	PPBV		97
90)	2-CHLOROTOLUENE	14.955	126	3019	0.20	PPBV		99
91)	N-PROPYLBENZENE	15.305	120	3589	0.22	PPBV		95
92)	4-ETHYLTOLUENE	15.746	105	13103	0.20	PPBV	#	100
93)	1,3,5-TRIMETHYLBENZENE	15.993	105	10844	0.20	PPBV		98
94)	ALPHA-METHYLSTYRENE	16.267	118	5388	0.20	PPBV		97
95)	TERT-BUTYLBENZENE	16.569	134	2559	0.18	PPBV		99
96)	1,2,4-TRIMETHYLBENZENE	16.575	105	11120	0.19	PPBV		98
97)	BENZYL CHLORIDE	16.665	91	2497	0.10	PPBV		96
98)	M-DICHLOROBENZENE	16.640	146	7185	0.20	PPBV		99
99)	P-DICHLOROBENZENE	16.730	146	7542	0.20	PPBV		98
100)	O-DICHLOROBENZENE	17.042	146	7199	0.20	PPBV		100
101)	SEC-BUTYLBENZENE	16.874	134	3121	0.19	PPBV		94
102)	1,2,3-TRIMETHYLBENZENE	16.990	105	11396	0.20	PPBV	#	96
103)	P-ISOPROPYLTOLUENE	17.067	134	3732	0.21	PPBV		91
104)	N-BUTYLBENZENE	17.427	134	3509	0.21	PPBV		98
105)	HEXACHLOROETHANE	17.601	117	2451	0.14	PPBV		97
106)	HEXACHLOROBUTADIENE	18.656	225	4955	0.20	PPBV		99
107)	1,2,4-TRICHLOROBENZENE	18.347	180	6745	0.33	PPBV		98
108)	NAPHTHALENE	18.395	128	18097	0.38	PPBV		99
110)	TVHC as equiv Pentane	2.303	TIC	17481	0.21	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07977.D
Acq On : 18 Aug 2024 10:49 pm
Operator : benk
Sample : ic305-0.20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 02:24:09 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:32 2024
Response via : Initial Calibration

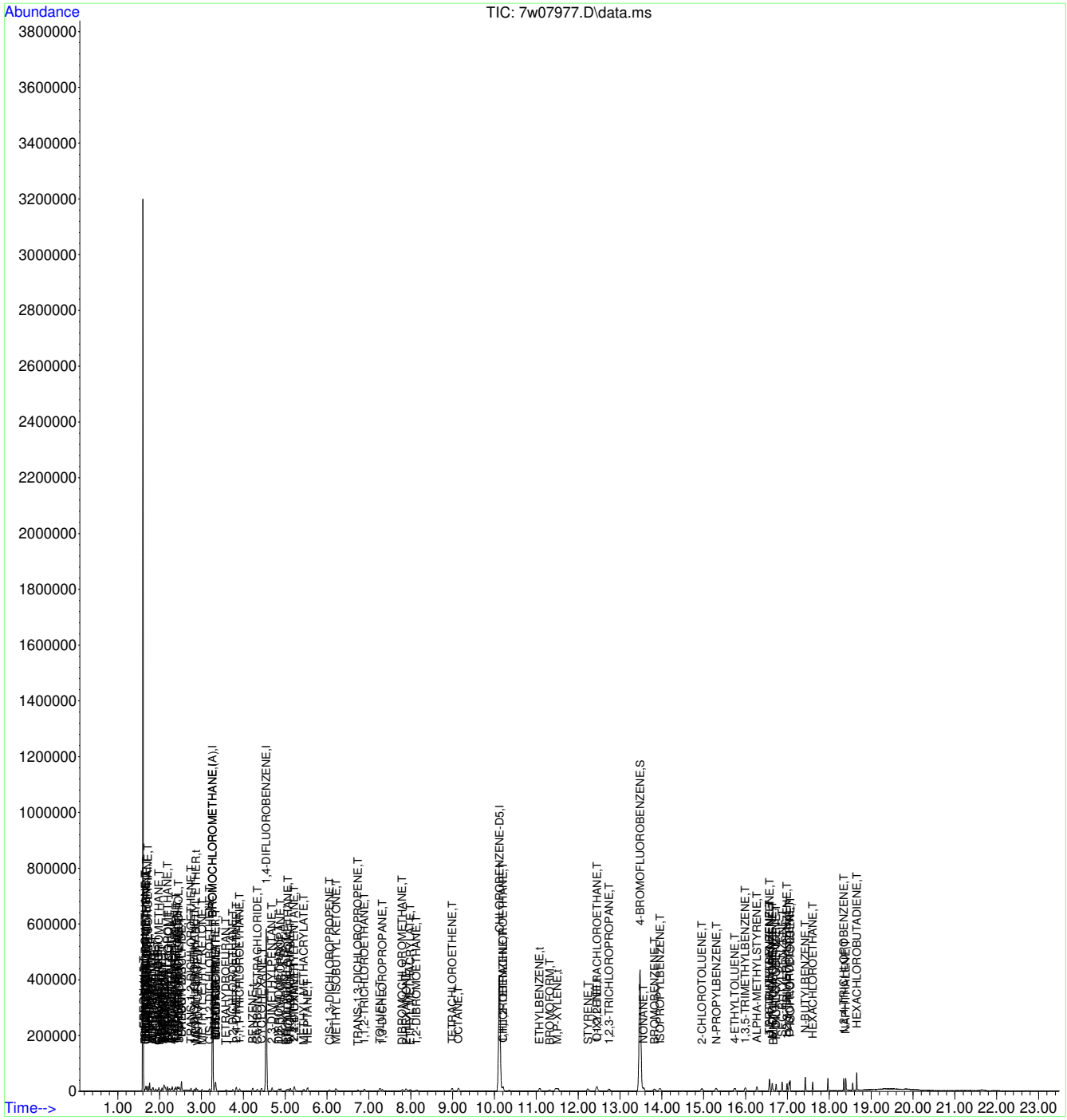
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07977.D
Acq On : 18 Aug 2024 10:49 pm
Operator : benk
Sample : ic305-0.20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 02:24:09 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:32 2024
Response via : Initial Calibration



Manual Integration Approval Summary

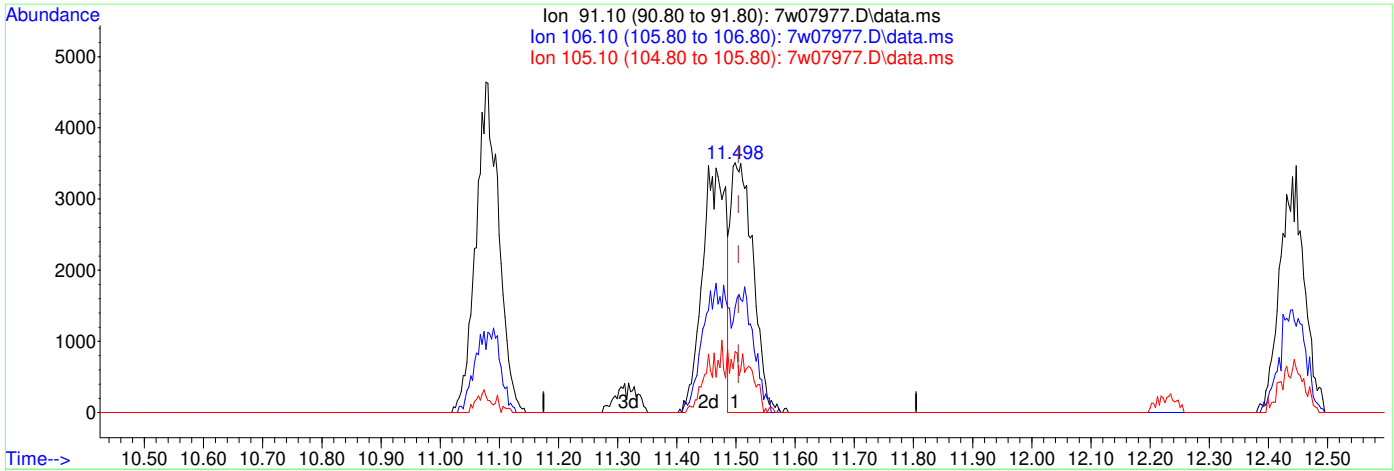
Sample Number:	V7W305-IC305	**Method:**	TO-15
Lab FileID:	7W07977.D	**Analyst approved:**	08/19/24 09:06 Benjamin Kim
Injection Time:	08/18/24 22:49	**Supervisor approved:**	08/19/24 10:53 Kanya Veerawat

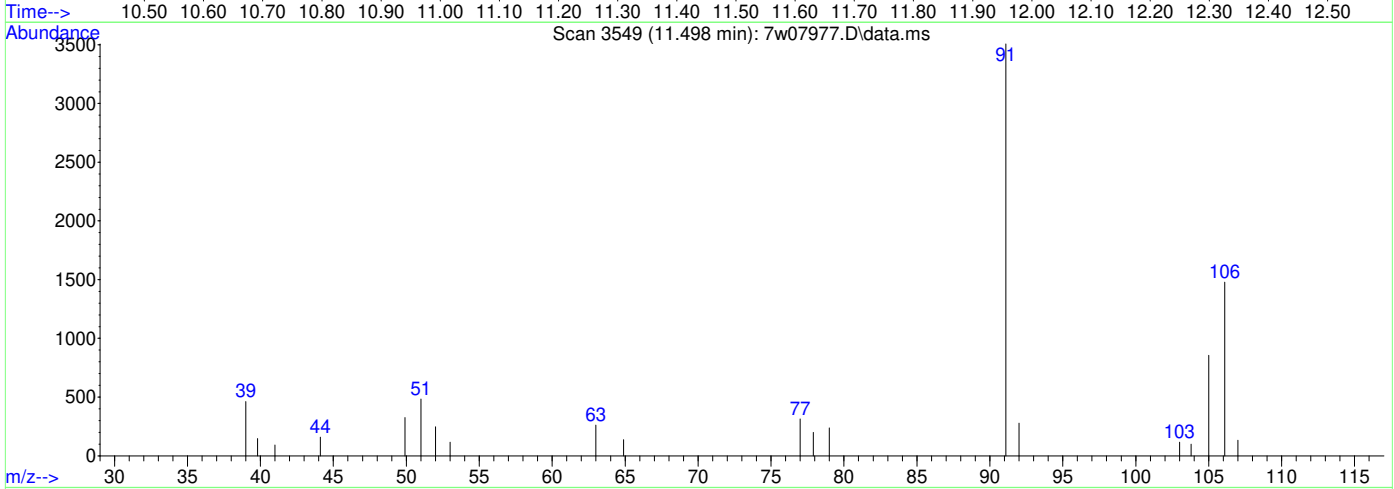
Parameter	CAS	Sig#	R.T. (min.)	Reason
m,p-Xylene			11.50	Split peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07977.D
Acq On : 18 Aug 2024 10:49 pm
Operator : benk
Sample : ic305-0.20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 00:48:57 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:32 2024
Response via : Initial Calibration





TIC: 7w07977.D\data.ms

(80) M,P-XYLENE (t)

11.498min (-0.006) 0.22PPBV

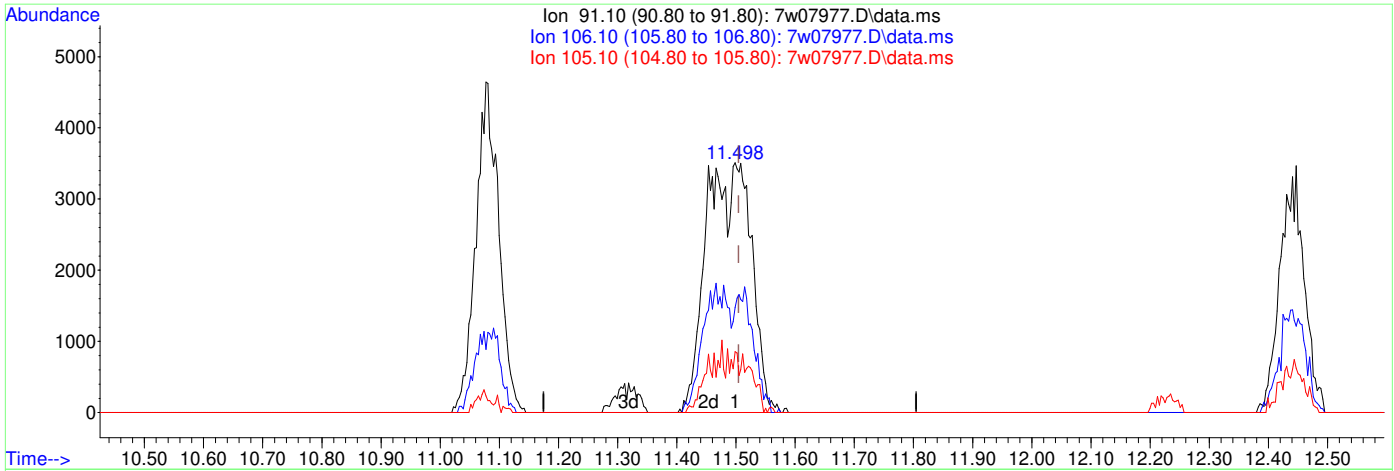
response 9375

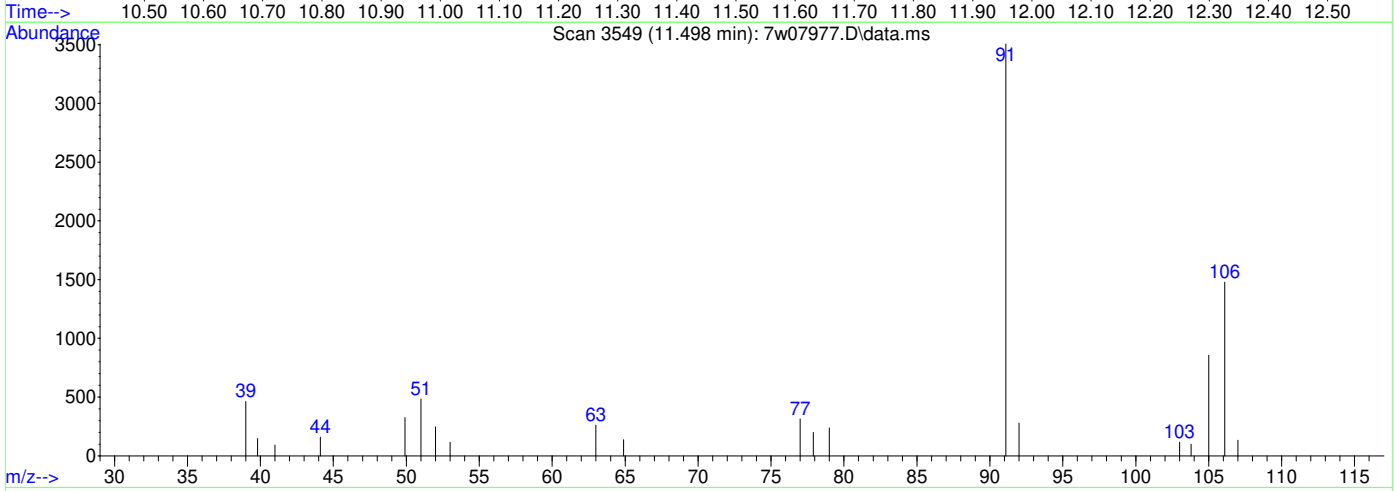
Ion	Exp%	Act%
91.10	100	100
106.10	24.00	41.98
105.10	11.30	13.41
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07977.D
Acq On : 18 Aug 2024 10:49 pm
Operator : benk
Sample : ic305-0.20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 00:48:57 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:32 2024
Response via : Initial Calibration





TIC: 7w07977.D\data.ms

(80) M,P-XYLENE (t)

11.498min (-0.006) 0.43PPBV m

response 18766

Ion	Exp%	Act%
91.10	100	100
106.10	24.00	20.97
105.10	11.30	6.70
0.00	0.00	0.00

7W07977.D edits: M,P-XYLENE

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 08/19/24 10:53

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07978.D
Acq On : 18 Aug 2024 11:22 pm
Operator : benk
Sample : ic305-0.50
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 09:50:56 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:01 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.267	128	79966	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.547	114	410941	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.119	117	362110	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.267	128	79966	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.482	95	262037	9.71	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.615	119	5861	0.54	PPBV		96
3) FREON 152A	1.644	65	3003	0.50	PPBV		95
4) CHLORODIFLUOROMETHANE	1.656	67	1485	0.58	PPBV		100
5) CHLOROTRIFLUOROETHENE	1.669	116	6805	0.55	PPBV		92
6) DICHLORODIFLUOROMETHANE	1.685	85	16795	0.46	PPBV		99
7) PROPYLENE	1.666	41	3977	0.50	PPBV		97
8) 1-CHLORO-1,1-DIFLUOROE...	1.724	65	14549	0.46	PPBV		96
9) FREON 114	1.759	85	15134	0.48	PPBV		99
10) CHLOROMETHANE	1.730	52	2035	0.41	PPBV		95
11) VINYL CHLORIDE	1.792	62	6673	0.44	PPBV		99
12) 1,3-BUTADIENE	1.830	54	5500	0.43	PPBV		95
13) N-BUTANE	1.846	43	10568	0.42	PPBV	#	90
14) BROMOMETHANE	1.907	94	5484	0.48	PPBV		99
15) CHLOROETHANE	1.956	64	3547	0.44	PPBV		94
16) DICHLOROFLUOROMETHANE	1.981	67	13608	0.47	PPBV		99
17) ACETONITRILE	2.052	41	6551	0.44	PPBV		92
18) ACROLEIN	2.094	56	3046	0.40	PPBV		95
19) FREON 123	2.103	83	13299	0.42	PPBV		99
20) FREON 123A	2.119	117	8058	0.46	PPBV		98
21) TRICHLOROFLUOROMETHANE	2.184	101	15424	0.46	PPBV		99
22) ISOPROPYL ALCOHOL	2.226	45	14044	0.37	PPBV		99
23) ACETONE	2.139	58	4080	0.40	PPBV		97
24) PENTANE	2.303	42	7472	0.39	PPBV		98
25) IODOMETHANE	2.361	142	13827	0.46	PPBV		99
26) 1,1-DICHLOROETHYLENE	2.390	96	5730	0.43	PPBV		97
27) CARBON DISULFIDE	2.525	76	16067	0.43	PPBV	#	66
28) ETHANOL	1.994	45	4627	0.45	PPBV	#	97
29) BROMOETHENE	2.058	106	5247	0.44	PPBV		96
30) ACRYLONITRILE	2.274	52	5669	0.41	PPBV		94
31) METHYLENE CHLORIDE	2.425	84	5894	0.48	PPBV		95
32) 3-CHLOROPROPENE	2.470	76	2755	0.38	PPBV	#	37
33) FREON 113	2.521	151	8992	0.46	PPBV		99
34) TRANS-1,2-DICHLOROETHENE	2.753	96	5687	0.48	PPBV		99
35) TERTIARY BUTYL ALCOHOL	2.444	59	13081	0.39	PPBV	#	64
36) METHYL TERTIARY BUTYL ...	2.872	73	13772	0.51	PPBV		95
37) TETRAHYDROFURAN	3.576	72	2595	0.57	PPBV		96
38) HEXANE	3.319	57	10976	0.50	PPBV		98
39) VINYL ACETATE	2.898	86	1009	0.43	PPBV	#	29
40) 1,1-DICHLOROETHANE	2.827	63	10432	0.51	PPBV		100
41) METHYL ETHYL KETONE	3.010	72	2909	0.56	PPBV		96
42) CIS-1,2-DICHLOROETHENE	3.190	96	6101	0.59	PPBV		93
43) DIISOPROPYL ETHER	3.338	59	3049	0.51	PPBV		98
44) ETHYL ACETATE	3.341	61	2059	0.51	PPBV		90
45) METHYL ACRYLATE	3.322	55	12344	0.48	PPBV		97
46) CHLOROFORM	3.341	83	12161	0.57	PPBV		97
47) 2,4-DIMETHYLPENTANE	3.833	57	12901	0.55	PPBV		99
48) 1,1,1-TRICHLOROETHANE	3.910	97	10591	0.52	PPBV		98
49) CARBON TETRACHLORIDE	4.335	117	10121	0.53	PPBV		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07978.D
Acq On : 18 Aug 2024 11:22 pm
Operator : benk
Sample : ic305-0.50
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 09:50:56 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:01 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	3.746	62	9567	0.57	PPBV		98
51)	BENZENE	4.219	78	17995	0.55	PPBV		99
53)	CYCLOHEXANE	4.431	84	7811	0.56	PPBV		99
54)	2,3-DIMETHYLPENTANE	4.685	71	4068	0.57	PPBV		100
55)	TRICHLOROETHENE	5.119	95	8046	0.54	PPBV		98
56)	1,2-DICHLOROPROPANE	4.888	63	7243	0.52	PPBV		98
57)	DIBROMOMETHANE	4.849	174	6875	0.51	PPBV		98
58)	ETHYL ACRYLATE	5.023	55	14562	0.49	PPBV		99
59)	BROMODICHLOROMETHANE	5.068	83	11794	0.51	PPBV		91
60)	2,2,4-TRIMETHYLPENTANE	5.213	57	35817	0.52	PPBV		99
61)	1,4-DIOXANE	5.209	88	5137	0.55	PPBV	#	6
62)	HEPTANE	5.534	43	12581	0.52	PPBV		99
63)	METHYL METHACRYLATE	5.441	69	6275	0.51	PPBV		98
64)	METHYL ISOBUTYL KETONE	6.196	58	7744	0.52	PPBV		98
65)	CIS-1,3-DICHLOROPROPENE	6.058	75	8234	0.44	PPBV		96
66)	TOLUENE	7.261	91	22485	0.55	PPBV		100
67)	1,3-DICHLOROPROPANE	7.322	76	11161	0.55	PPBV		99
68)	TRANS-1,3-DICHLOROPROPENE	6.743	75	5585	0.36	PPBV		94
69)	1,1,2-TRICHLOROETHANE	6.894	83	6324	0.55	PPBV		99
70)	2-HEXANONE	7.878	58	12049	0.43	PPBV		98
71)	ETHYL METHACRYLATE	7.981	69	9663	0.47	PPBV		95
72)	TETRACHLOROETHENE	8.997	164	7989	0.51	PPBV		98
73)	DIBROMOCHLOROMETHANE	7.795	129	10588	0.54	PPBV		98
74)	1,2-DIBROMOETHANE	8.132	107	10784	0.55	PPBV	#	100
75)	OCTANE	9.139	43	17732	0.53	PPBV		99
77)	1,1,1,2-TETRACHLOROETHANE	10.203	131	7115	0.46	PPBV		99
78)	CHLOROBENZENE	10.200	112	18568	0.58	PPBV		97
79)	ETHYLBENZENE	11.081	91	30468	0.51	PPBV		99
80)	M,P-XYLENE	11.508	91	46842m	1.05	PPBV		
81)	O-XYLENE	12.444	91	23828	0.59	PPBV		94
82)	STYRENE	12.225	104	17160	0.60	PPBV		99
83)	NONANE	13.560	43	19013	0.55	PPBV		98
84)	BROMOFORM	11.315	173	9340	0.52	PPBV		97
85)	1,1,2,2-TETRACHLOROETHANE	12.450	83	16754	0.57	PPBV		98
86)	1,2,3-TRICHLOROPROPANE	12.736	75	13531	0.60	PPBV	#	99
88)	ISOPROPYLBENZENE	13.945	120	8698	0.54	PPBV		96
89)	BROMOBENZENE	13.820	77	17048	0.58	PPBV		97
90)	2-CHLOROTOLUENE	14.955	126	8051	0.55	PPBV		99
91)	N-PROPYLBENZENE	15.302	120	9156	0.58	PPBV		100
92)	4-ETHYLTOLUENE	15.746	105	32633	0.53	PPBV	#	97
93)	1,3,5-TRIMETHYLBENZENE	15.994	105	27233	0.51	PPBV		99
94)	ALPHA-METHYLSTYRENE	16.267	118	13680	0.52	PPBV		96
95)	TERT-BUTYLBENZENE	16.569	134	6648	0.48	PPBV		97
96)	1,2,4-TRIMETHYLBENZENE	16.579	105	28271	0.50	PPBV		98
97)	BENZYL CHLORIDE	16.666	91	6446	0.26	PPBV		97
98)	M-DICHLOROBENZENE	16.640	146	18160	0.52	PPBV		99
99)	P-DICHLOROBENZENE	16.730	146	18687	0.53	PPBV		99
100)	O-DICHLOROBENZENE	17.042	146	17767	0.53	PPBV		99
101)	SEC-BUTYLBENZENE	16.875	134	8265	0.51	PPBV		95
102)	1,2,3-TRIMETHYLBENZENE	16.990	105	27828	0.52	PPBV		100
103)	P-ISOPROPYLTOLUENE	17.064	134	8738	0.50	PPBV		97
104)	N-BUTYLBENZENE	17.424	134	8723	0.53	PPBV		100
105)	HEXACHLOROETHANE	17.604	117	6412	0.37	PPBV		99
106)	HEXACHLOROBUTADIENE	18.659	225	12496	0.54	PPBV		99
107)	1,2,4-TRICHLOROBENZENE	18.350	180	16068	0.91	PPBV		98
108)	NAPHTHALENE	18.395	128	47796	1.26	PPBV		100
110)	TVHC as equiv Pentane	2.303	TIC	40854	0.48	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07978.D
Acq On : 18 Aug 2024 11:22 pm
Operator : benk
Sample : ic305-0.50
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 09:50:56 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:01 2024
Response via : Initial Calibration

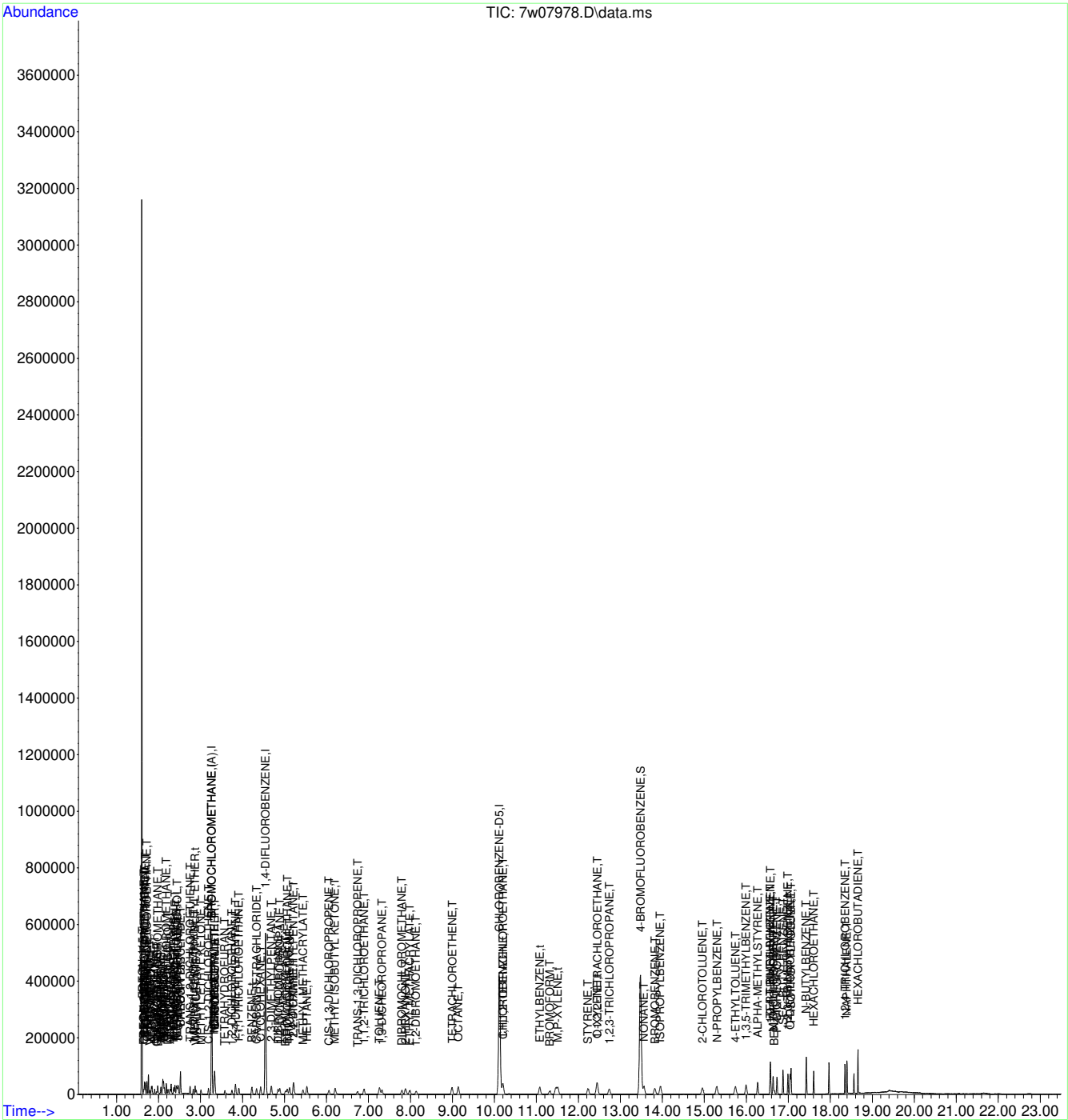
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07978.D
Acq On : 18 Aug 2024 11:22 pm
Operator : benk
Sample : ic305-0.50
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 09:50:56 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:01 2024
Response via : Initial Calibration



Manual Integration Approval Summary

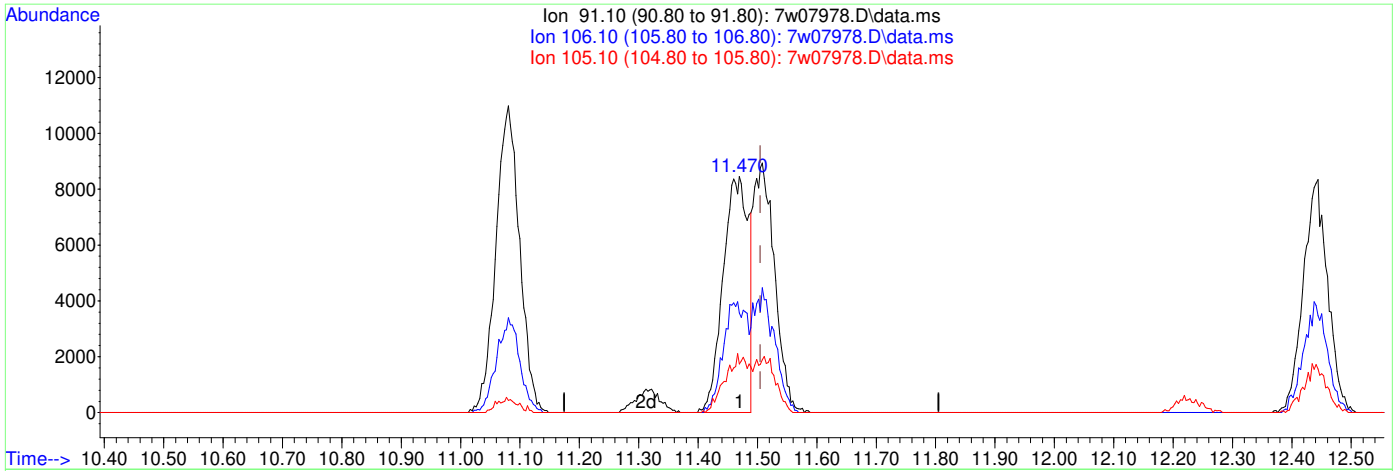
Sample Number:	V7W305-IC305	**Method:**	TO-15
Lab FileID:	7W07978.D	**Analyst approved:**	08/19/24 10:01 Benjamin Kim
Injection Time:	08/18/24 23:22	**Supervisor approved:**	08/19/24 10:53 Kanya Veerawat

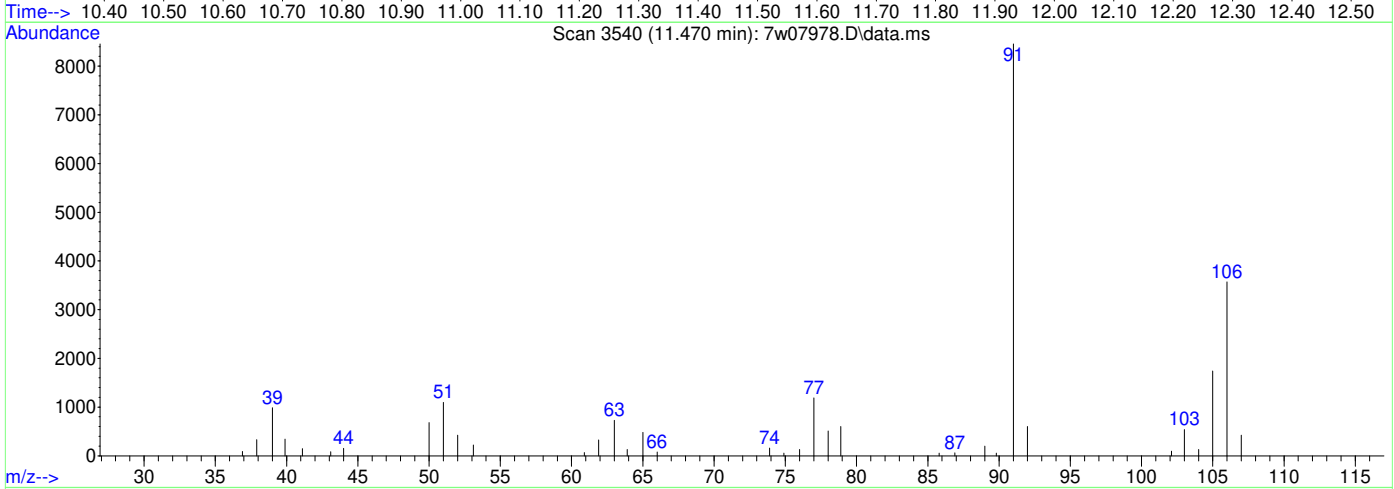
Parameter	CAS	Sig#	R.T. (min.)	Reason
m,p-Xylene			11.51	Split peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07978.D
Acq On : 18 Aug 2024 11:22 pm
Operator : benk
Sample : ic305-0.50
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 00:48:15 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:01 2024
Response via : Initial Calibration





TIC: 7w07978.D\data.ms

(80) M,P-XYLENE (t)

11.470min (-0.035) 0.56PPBV

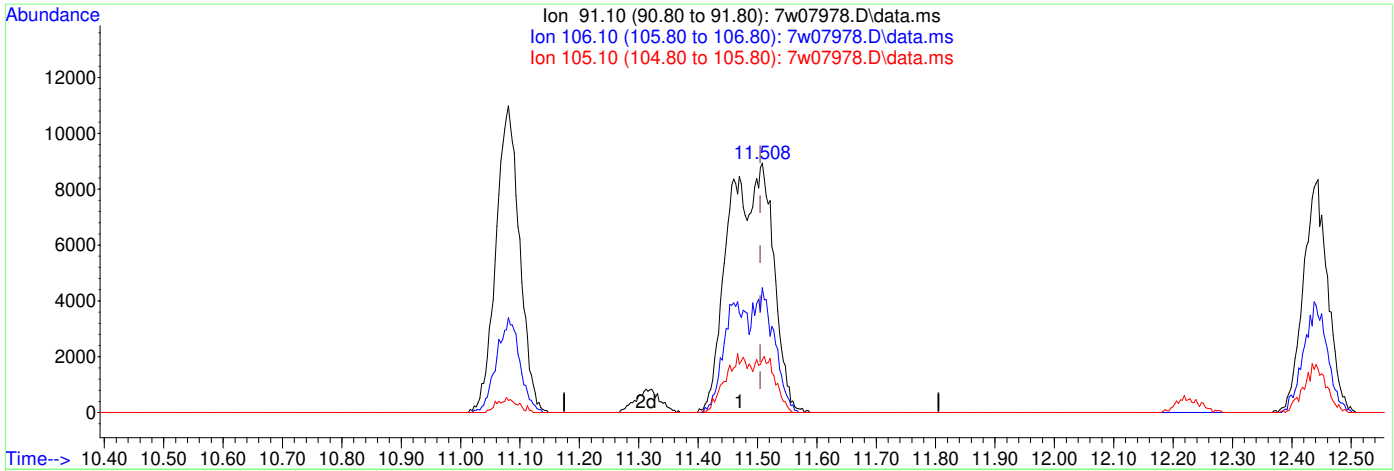
response 25047

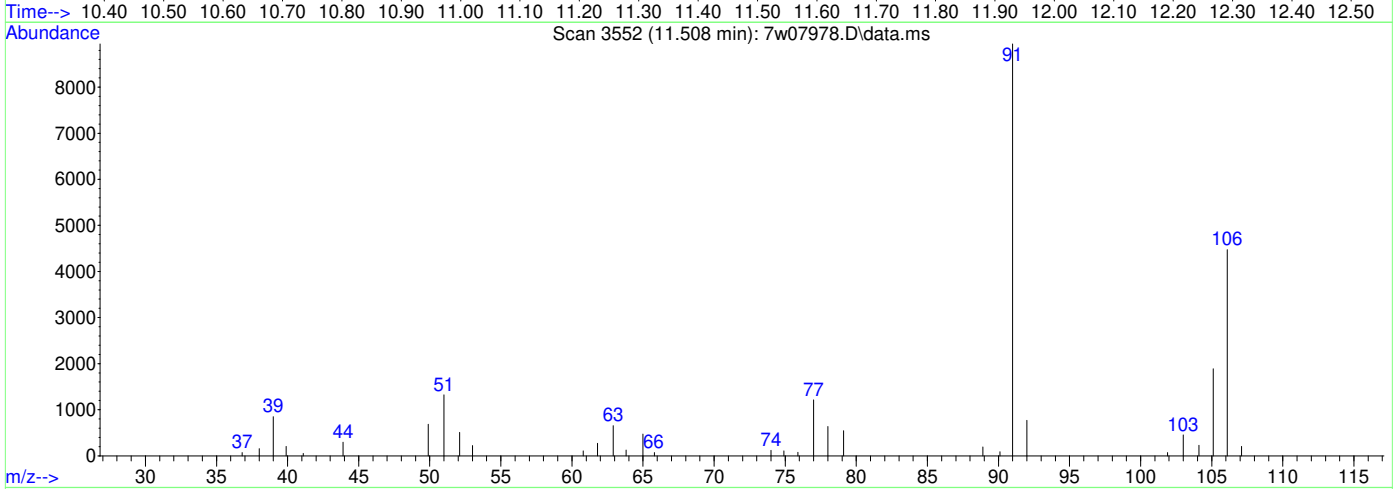
Ion	Exp%	Act%
91.10	100	100
106.10	24.00	46.05
105.10	11.30	22.58
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07978.D
Acq On : 18 Aug 2024 11:22 pm
Operator : benk
Sample : ic305-0.50
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 00:48:15 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:01 2024
Response via : Initial Calibration





TIC: 7w07978.D\data.ms

(80) M,P-XYLENE (t)

11.508min (+0.003) 1.05PPBV m

response 46842

Ion	Exp%	Act%
91.10	100	100
106.10	24.00	24.63
105.10	11.30	12.07
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 08/19/24 10:53

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07979.D
Acq On : 19 Aug 2024 12:01 am
Operator : benk
Sample : ic305-5
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 04:18:27 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Jul 22 10:39:47 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.267	128	81466	10.00	PPBV	#	0.00
52) 1,4-DIFLUOROBENZENE	4.547	114	410025	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.119	117	361102	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.267	128	81464	10.00	PPBV	#	0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.479	95	265954	9.38	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.618	119	27379	2.27	PPBV		97
3) FREON 152A	1.647	65	29000	4.67	PPBV		99
4) CHLORODIFLUOROMETHANE	1.659	67	13506	5.10	PPBV		96
5) CHLOROTRIFLUOROETHENE	1.672	116	64600	5.12	PPBV		85
6) DICHLORODIFLUOROMETHANE	1.688	85	169247	4.50	PPBV		98
7) PROPYLENE	1.669	41	38377	4.63	PPBV		99
8) 1-CHLORO-1,1-DIFLUOROE...	1.727	65	140419	4.23	PPBV		96
9) FREON 114	1.762	85	149365	4.52	PPBV		98
10) CHLOROMETHANE	1.733	52	19771	3.76	PPBV		100
11) VINYL CHLORIDE	1.795	62	65999	4.14	PPBV		99
12) 1,3-BUTADIENE	1.833	54	54080	3.99	PPBV		98
13) N-BUTANE	1.849	43	100820	3.83	PPBV		98
14) BROMOMETHANE	1.910	94	51811	4.31	PPBV		99
15) CHLOROETHANE	1.958	64	34723	4.05	PPBV		92
16) DICHLOROFLUOROMETHANE	1.984	67	132874	4.38	PPBV		98
17) ACETONITRILE	2.055	41	57811	3.60	PPBV		100
18) ACROLEIN	2.094	56	31088	3.87	PPBV		99
19) FREON 123	2.106	83	133098	3.98	PPBV		99
20) FREON 123A	2.122	117	80453	4.36	PPBV		93
21) TRICHLOROFLUOROMETHANE	2.187	101	152287	4.27	PPBV		99
22) ISOPROPYL ALCOHOL	2.219	45	129156	3.14	PPBV		99
23) ACETONE	2.135	58	35696	3.28	PPBV		100
24) PENTANE	2.303	42	71675	3.46	PPBV		97
25) IODOMETHANE	2.364	142	138967	4.41	PPBV		98
26) 1,1-DICHLOROETHYLENE	2.393	96	56736	4.02	PPBV		90
27) CARBON DISULFIDE	2.524	76	164494	4.33	PPBV		99
28) ETHANOL	1.994	45	36651	3.31	PPBV		97
29) BROMOETHENE	2.061	106	51262	4.10	PPBV		99
30) ACRYLONITRILE	2.277	52	52972	3.56	PPBV		99
31) METHYLENE CHLORIDE	2.428	84	51833	3.97	PPBV		86
32) 3-CHLOROPROPENE	2.470	76	28290	3.74	PPBV		84
33) FREON 113	2.524	151	89281	4.48	PPBV		100
34) TRANS-1,2-DICHLOROETHENE	2.753	96	52868	4.38	PPBV		93
35) TERTIARY BUTYL ALCOHOL	2.431	59	116326	3.23	PPBV		97
36) METHYL TERTIARY BUTYL ...	2.868	73	136515	4.93	PPBV		100
37) TETRAHYDROFURAN	3.563	72	27131	5.79	PPBV		90
38) HEXANE	3.319	57	108490	4.76	PPBV		99
39) VINYL ACETATE	2.901	86	11696	4.81	PPBV		88
40) 1,1-DICHLOROETHANE	2.830	63	102265	4.89	PPBV		99
41) METHYL ETHYL KETONE	3.000	72	28364	5.37	PPBV		82
42) CIS-1,2-DICHLOROETHENE	3.190	96	57628	5.43	PPBV		95
43) DIISOPROPYL ETHER	3.328	59	30846	4.96	PPBV		96
44) ETHYL ACETATE	3.331	61	21833	5.20	PPBV		90
45) METHYL ACRYLATE	3.319	55	128213	4.81	PPBV	#	100
46) CHLOROFORM	3.341	83	118312	5.38	PPBV		97
47) 2,4-DIMETHYLPENTANE	3.833	57	123753	5.06	PPBV		98
48) 1,1,1-TRICHLOROETHANE	3.913	97	103061	4.93	PPBV		99
49) CARBON TETRACHLORIDE	4.338	117	104096	5.26	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07979.D
Acq On : 19 Aug 2024 12:01 am
Operator : benk
Sample : ic305-5
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 04:18:27 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Jul 22 10:39:47 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	3.749	62	90936	5.26	PPBV		99
51)	BENZENE	4.225	78	171826	5.13	PPBV		96
53)	CYCLOHEXANE	4.434	84	75178	5.37	PPBV		93
54)	2,3-DIMETHYLPENTANE	4.688	71	39970	5.61	PPBV		86
55)	TRICHLOROETHENE	5.119	95	78664	5.28	PPBV		99
56)	1,2-DICHLOROPROPANE	4.888	63	70308	4.98	PPBV		97
57)	DIBROMOMETHANE	4.849	174	65118	4.79	PPBV		99
58)	ETHYL ACRYLATE	5.013	55	152697	5.12	PPBV		100
59)	BROMODICHLOROMETHANE	5.068	83	124366	5.39	PPBV		99
60)	2,2,4-TRIMETHYLPENTANE	5.216	57	349151	5.05	PPBV		98
61)	1,4-DIOXANE	5.164	88	45840	4.97	PPBV	#	83
62)	HEPTANE	5.534	43	121341	4.96	PPBV		97
63)	METHYL METHACRYLATE	5.434	69	65132	5.30	PPBV		92
64)	METHYL ISOBUTYL KETONE	6.183	58	74156	4.92	PPBV		95
65)	CIS-1,3-DICHLOROPROPENE	6.058	75	91819	4.90	PPBV		98
66)	TOLUENE	7.264	91	218857	5.36	PPBV		99
67)	1,3-DICHLOROPROPANE	7.322	76	110082	5.46	PPBV		99
68)	TRANS-1,3-DICHLOROPROPENE	6.733	75	66745	4.27	PPBV		99
69)	1,1,2-TRICHLOROETHANE	6.894	83	62252	5.39	PPBV		98
70)	2-HEXANONE	7.855	58	112276	4.02	PPBV		97
71)	ETHYL METHACRYLATE	7.974	69	105592	5.14	PPBV		94
72)	TETRACHLOROETHENE	8.990	164	77784	4.95	PPBV		96
73)	DIBROMOCHLOROMETHANE	7.794	129	118229	5.98	PPBV		99
74)	1,2-DIBROMOETHANE	8.138	107	111886	5.67	PPBV		99
75)	OCTANE	9.142	43	173169	5.12	PPBV		96
77)	1,1,1,2-TETRACHLOROETHANE	10.206	131	78566	5.10	PPBV		98
78)	CHLOROBENZENE	10.196	112	183185	5.81	PPBV		99
79)	ETHYLBENZENE	11.080	91	299317	4.99	PPBV		100
80)	M,P-XYLENE	11.505	91	464302	10.48	PPBV		99
81)	O-XYLENE	12.437	91	236267	5.90	PPBV		97
82)	STYRENE	12.228	104	177117	6.24	PPBV		99
83)	NONANE	13.563	43	187166	5.08	PPBV		97
84)	BROMOFORM	11.315	173	101100	5.63	PPBV		97
85)	1,1,2,2-TETRACHLOROETHANE	12.453	83	172204	5.90	PPBV		99
86)	1,2,3-TRICHLOROPROPANE	12.736	75	133990	6.07	PPBV		100
88)	ISOPROPYLBENZENE	13.955	120	89542	5.64	PPBV		98
89)	BROMOBENZENE	13.823	77	164898	5.71	PPBV		96
90)	2-CHLOROTOLUENE	14.952	126	80136	5.58	PPBV		100
91)	N-PROPYLBENZENE	15.296	120	93644	5.99	PPBV		100
92)	4-ETHYLTOLUENE	15.739	105	338018	5.58	PPBV		99
93)	1,3,5-TRIMETHYLBENZENE	15.997	105	282963	5.41	PPBV		99
94)	ALPHA-METHYLSTYRENE	16.270	118	143668	5.58	PPBV		100
95)	TERT-BUTYLBENZENE	16.569	134	67157	4.95	PPBV		99
96)	1,2,4-TRIMETHYLBENZENE	16.578	105	296095	5.30	PPBV		99
97)	BENZYL CHLORIDE	16.669	91	79381m	3.20	PPBV		
98)	M-DICHLOROBENZENE	16.640	146	187655	5.45	PPBV		99
99)	P-DICHLOROBENZENE	16.730	146	191562	5.55	PPBV		99
100)	O-DICHLOROBENZENE	17.045	146	181198	5.52	PPBV		99
101)	SEC-BUTYLBENZENE	16.874	134	84088	5.29	PPBV		93
102)	1,2,3-TRIMETHYLBENZENE	16.990	105	287527	5.46	PPBV		99
103)	P-ISOPROPYLTOLUENE	17.064	134	92888	5.44	PPBV		95
104)	N-BUTYLBENZENE	17.424	134	93747	5.91	PPBV		98
105)	HEXACHLOROETHANE	17.604	117	82010	4.77	PPBV		96
106)	HEXACHLOROBUTADIENE	18.662	225	132649	5.96	PPBV		100
107)	1,2,4-TRICHLOROBENZENE	18.350	180	178283	11.97	PPBV		99
108)	NAPHTHALENE	18.398	128	477399	16.43	PPBV		100
110)	TVHC as equiv Pentane	2.303	TIC	356727	3.90	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07979.D
Acq On : 19 Aug 2024 12:01 am
Operator : benk
Sample : ic305-5
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 04:18:27 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Jul 22 10:39:47 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

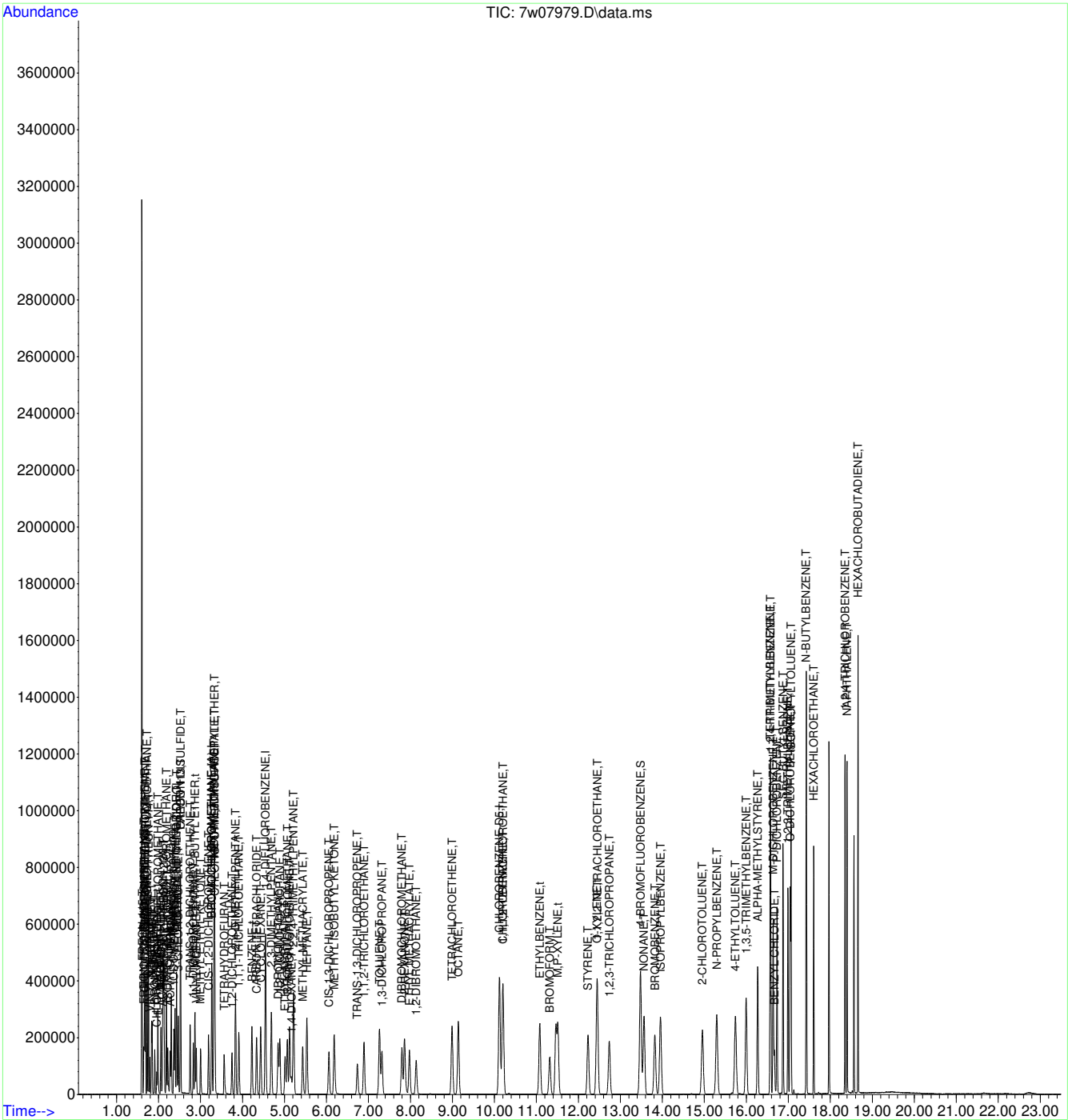
7.7.17

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07979.D
Acq On : 19 Aug 2024 12:01 am
Operator : benk
Sample : ic305-5
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 04:18:27 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Jul 22 10:39:47 2024
Response via : Initial Calibration



Manual Integration Approval Summary

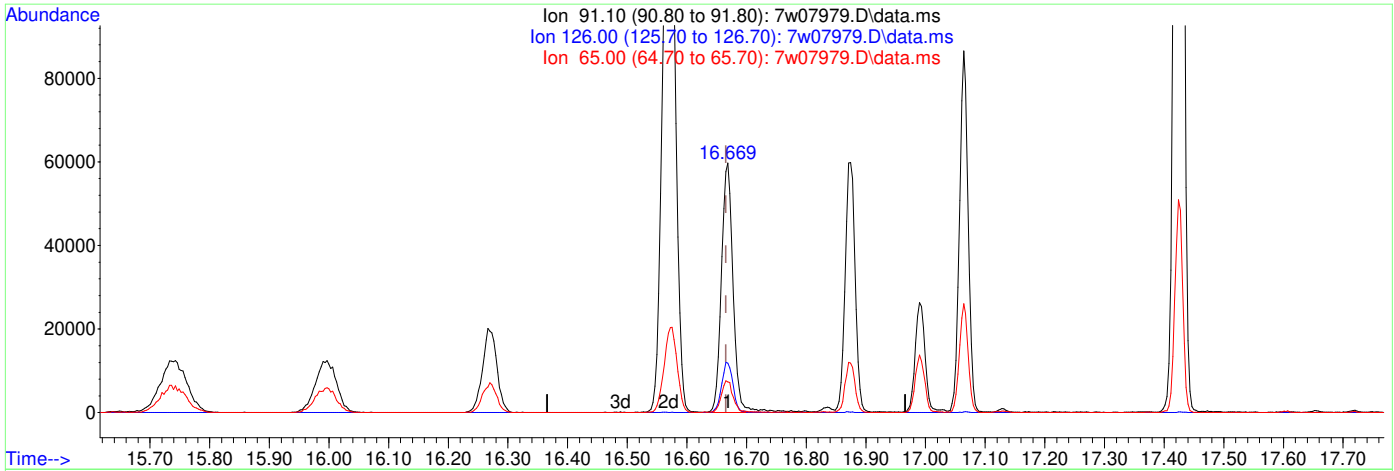
Sample Number:	V7W305-IC305	**Method:**	TO-15
Lab FileID:	7W07979.D	**Analyst approved:**	08/19/24 09:06 Benjamin Kim
Injection Time:	08/19/24 00:01	**Supervisor approved:**	08/19/24 10:53 Kanya Veerawat

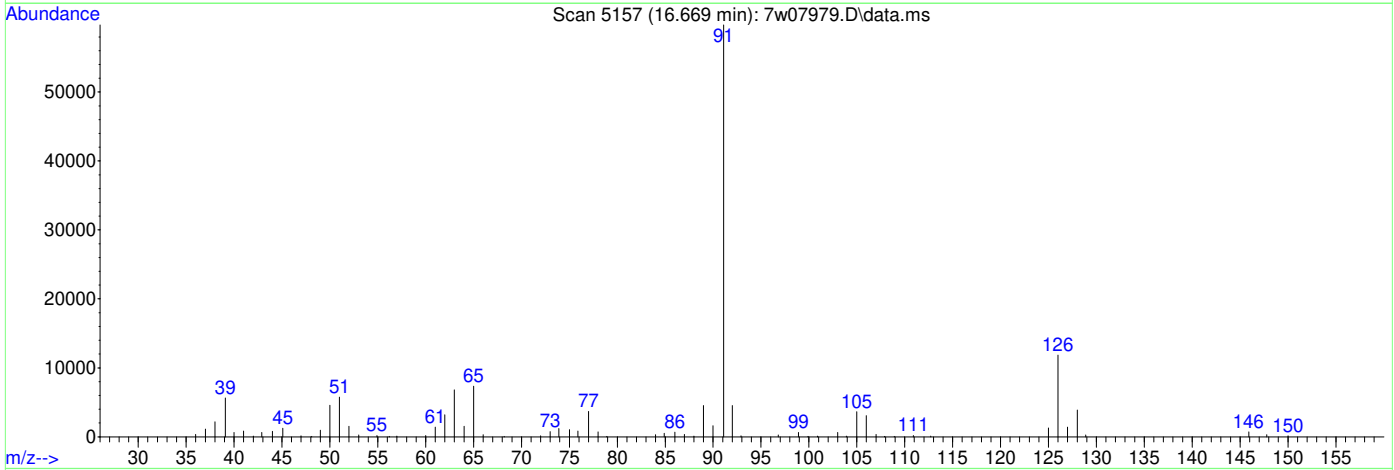
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzyl Chloride	100-44-7		16.67	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07979.D
Acq On : 19 Aug 2024 12:01 am
Operator : benk
Sample : ic305-5
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 00:45:51 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Jul 22 10:39:47 2024
Response via : Initial Calibration





TIC: 7w07979.D\data.ms

(97) BENZYL CHLORIDE (T)

16.669min (+0.003) 3.29PPBV

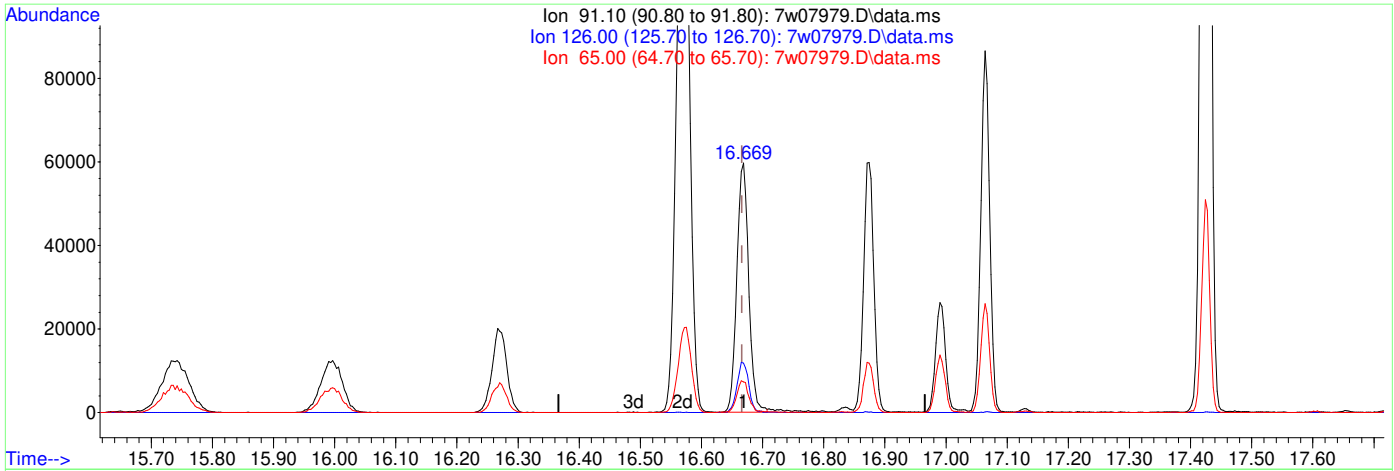
response 81628

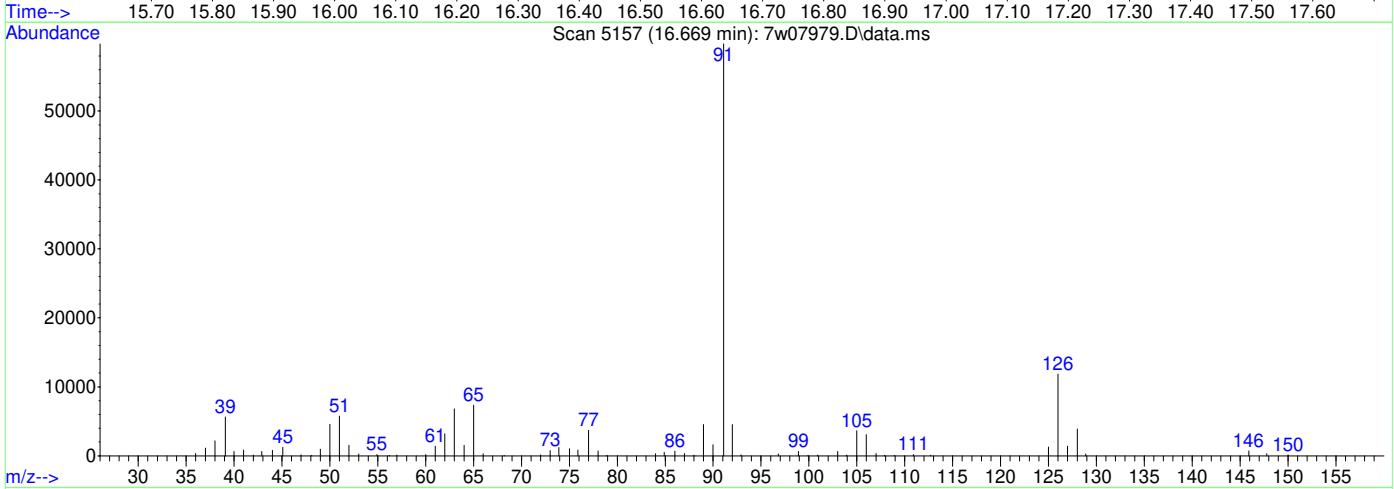
Ion	Exp%	Act%
91.10	100	100
126.00	19.10	19.59
65.00	13.00	13.49
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07979.D
Acq On : 19 Aug 2024 12:01 am
Operator : benk
Sample : ic305-5
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 00:45:51 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Jul 22 10:39:47 2024
Response via : Initial Calibration





TIC: 7w07979.D\data.ms

(97) BENZYL CHLORIDE (T)

16.669min (+0.003) 3.20PPBV m

response 79381

Ion	Exp%	Act%
91.10	100	100
126.00	19.10	20.14
65.00	13.00	13.87
0.00	0.00	0.00

7W07979.D edits: BENZYL CHLORIDE

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 08/19/24 12:13

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07980.D
Acq On : 19 Aug 2024 12:35 am
Operator : benk
Sample : icc305-10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 04:19:31 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:59 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.267	128	76492	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.547	114	388370	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.119	117	349697	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.267	128	76492	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.479	95	254020	9.80	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.618	119	116757	11.94	PPBV		98
3) FREON 152A	1.647	65	56656	10.57	PPBV		97
4) CHLORODIFLUOROMETHANE	1.660	67	27361	10.93	PPBV		96
5) CHLOROTRIFLUOROETHENE	1.669	116	128761	10.75	PPBV		99
6) DICHLORODIFLUOROMETHANE	1.689	85	335263	10.56	PPBV		99
7) PROPYLENE	1.669	41	75194	10.04	PPBV		98
8) 1-CHLORO-1,1-DIFLUOROE...	1.724	65	279768	10.38	PPBV		99
9) FREON 114	1.759	85	296122	10.76	PPBV		99
10) CHLOROMETHANE	1.730	52	38843	9.29	PPBV		98
11) VINYL CHLORIDE	1.791	62	127043	9.96	PPBV		99
12) 1,3-BUTADIENE	1.833	54	107031	9.85	PPBV		99
13) N-BUTANE	1.846	43	198675	10.27	PPBV		99
14) BROMOMETHANE	1.907	94	101510	10.31	PPBV		99
15) CHLOROETHANE	1.955	64	66775	10.09	PPBV		90
16) DICHLOROFLUOROMETHANE	1.981	67	261438	10.74	PPBV		100
17) ACETONITRILE	2.052	41	110740	8.07	PPBV		99
18) ACROLEIN	2.090	56	61192	10.52	PPBV		100
19) FREON 123	2.103	83	262246	9.89	PPBV		100
20) FREON 123A	2.123	117	158704	10.72	PPBV		100
21) TRICHLOROFLUOROMETHANE	2.187	101	302114	10.62	PPBV		99
22) ISOPROPYL ALCOHOL	2.213	45	263534	8.69	PPBV		99
23) ACETONE	2.132	58	66233	6.38	PPBV		97
24) PENTANE	2.303	42	137367	8.83	PPBV		99
25) IODOMETHANE	2.364	142	273231	10.68	PPBV		100
26) 1,1-DICHLOROETHYLENE	2.393	96	111237	9.93	PPBV		99
27) CARBON DISULFIDE	2.525	76	326093	10.12	PPBV		99
28) ETHANOL	1.991	45	67325	6.93	PPBV		98
29) BROMOETHENE	2.058	106	102347	10.02	PPBV		100
30) ACRYLONITRILE	2.274	52	98220	8.85	PPBV		98
31) METHYLENE CHLORIDE	2.428	84	101961	8.72	PPBV		99
32) 3-CHLOROPROPENE	2.470	76	56199	10.18	PPBV		97
33) FREON 113	2.525	151	175840	10.42	PPBV		100
34) TRANS-1,2-DICHLOROETHENE	2.753	96	105154	9.70	PPBV		99
35) TERTIARY BUTYL ALCOHOL	2.418	59	256208	9.59	PPBV		99
36) METHYL TERTIARY BUTYL ...	2.865	73	273836	10.96	PPBV		100
37) TETRAHYDROFURAN	3.557	72	53518	11.75	PPBV		98
38) HEXANE	3.319	57	216582	10.11	PPBV		100
39) VINYL ACETATE	2.898	86	24166	11.82	PPBV		94
40) 1,1-DICHLOROETHANE	2.827	63	200586	10.56	PPBV		100
41) METHYL ETHYL KETONE	2.997	72	55843	11.44	PPBV		100
42) CIS-1,2-DICHLOROETHENE	3.190	96	113715	11.11	PPBV		100
43) DIISOPROPYL ETHER	3.325	59	61463	10.90	PPBV		100
44) ETHYL ACETATE	3.332	61	43829	10.65	PPBV		100
45) METHYL ACRYLATE	3.316	55	258959	10.92	PPBV	#	26
46) CHLOROFORM	3.341	83	237561	11.15	PPBV		99
47) 2,4-DIMETHYLPENTANE	3.833	57	244103	11.02	PPBV		99
48) 1,1,1-TRICHLOROETHANE	3.914	97	211578	10.86	PPBV		98
49) CARBON TETRACHLORIDE	4.335	117	214927	11.14	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07980.D
Acq On : 19 Aug 2024 12:35 am
Operator : benk
Sample : icc305-10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 04:19:31 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:59 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50) 1,2-DICHLOROETHANE	3.750	62	178327	11.01	PPBV		100
51) BENZENE	4.225	78	336400	10.79	PPBV		100
53) CYCLOHEXANE	4.431	84	147216	10.89	PPBV		98
54) 2,3-DIMETHYLPENTANE	4.688	71	78137	11.46	PPBV		99
55) TRICHLOROETHENE	5.122	95	154777	10.77	PPBV		100
56) 1,2-DICHLOROPROPANE	4.888	63	141313	10.87	PPBV		99
57) DIBROMOMETHANE	4.846	174	127868	10.56	PPBV		100
58) ETHYL ACRYLATE	5.010	55	310645	10.93	PPBV		100
59) BROMODICHLOROMETHANE	5.068	83	251956	11.60	PPBV		100
60) 2,2,4-TRIMETHYLPENTANE	5.216	57	676160	10.55	PPBV		99
61) 1,4-DIOXANE	5.151	88	83819	11.15	PPBV	#	96
62) HEPTANE	5.534	43	238681	10.47	PPBV		100
63) METHYL METHACRYLATE	5.431	69	129938	10.97	PPBV		98
64) METHYL ISOBUTYL KETONE	6.177	58	138927	9.69	PPBV		99
65) CIS-1,3-DICHLOROPROPENE	6.058	75	192427	11.23	PPBV		99
66) TOLUENE	7.264	91	436862	11.04	PPBV		99
67) 1,3-DICHLOROPROPANE	7.322	76	219919	11.36	PPBV		99
68) TRANS-1,3-DICHLOROPROPENE	6.737	75	146931	10.87	PPBV		99
69) 1,1,2-TRICHLOROETHANE	6.894	83	123244	11.28	PPBV		100
70) 2-HEXANONE	7.852	58	202098	9.26	PPBV		100
71) ETHYL METHACRYLATE	7.974	69	213857	11.04	PPBV		99
72) TETRACHLOROETHENE	8.994	164	152491	10.19	PPBV		99
73) DIBROMOCHLOROMETHANE	7.798	129	244347	12.50	PPBV		99
74) 1,2-DIBROMOETHANE	8.138	107	227562	11.69	PPBV		99
75) OCTANE	9.142	43	342794	10.17	PPBV		100
77) 1,1,1,2-TETRACHLOROETHANE	10.206	131	167229	11.49	PPBV		98
78) CHLOROBENZENE	10.199	112	365525	11.34	PPBV		99
79) ETHYLBENZENE	11.084	91	596122	10.36	PPBV		100
80) M,P-XYLENE	11.511	91	932252	26.23	PPBV		98
81) O-XYLENE	12.441	91	476187	11.13	PPBV		95
82) STYRENE	12.228	104	355912	11.49	PPBV		99
83) NONANE	13.566	43	372829	10.90	PPBV		100
84) BROMOFORM	11.318	173	218043	12.08	PPBV		100
85) 1,1,2,2-TETRACHLOROETHANE	12.457	83	345869	11.55	PPBV		100
86) 1,2,3-TRICHLOROPROPANE	12.740	75	269044	11.72	PPBV		100
88) ISOPROPYLBENZENE	13.958	120	177926	10.94	PPBV		99
89) BROMOBENZENE	13.823	77	331670	11.30	PPBV		99
90) 2-CHLOROTOLUENE	14.955	126	160785	10.94	PPBV		99
91) N-PROPYLBENZENE	15.296	120	187111	11.29	PPBV		99
92) 4-ETHYLTOLUENE	15.743	105	683113	11.85	PPBV		99
93) 1,3,5-TRIMETHYLBENZENE	15.997	105	568889	10.83	PPBV		100
94) ALPHA-METHYLSTYRENE	16.273	118	292834	10.97	PPBV		99
95) TERT-BUTYLBENZENE	16.569	134	135050	10.31	PPBV		98
96) 1,2,4-TRIMETHYLBENZENE	16.579	105	603037	10.60	PPBV		100
97) BENZYL CHLORIDE	16.669	91	206043m	8.98	PPBV		
98) M-DICHLOROBENZENE	16.640	146	381391	10.72	PPBV		100
99) P-DICHLOROBENZENE	16.733	146	385546	10.57	PPBV		100
100) O-DICHLOROBENZENE	17.045	146	365233	10.52	PPBV		100
101) SEC-BUTYLBENZENE	16.874	134	172736	10.87	PPBV		98
102) 1,2,3-TRIMETHYLBENZENE	16.990	105	581741	10.62	PPBV		100
103) P-ISOPROPYLTOLUENE	17.064	134	190250	10.87	PPBV		100
104) N-BUTYLBENZENE	17.424	134	192133	11.39	PPBV		99
105) HEXACHLOROETHANE	17.604	117	188986	11.90	PPBV		99
106) HEXACHLOROBUTADIENE	18.656	225	270689	11.05	PPBV		100
107) 1,2,4-TRICHLOROBENZENE	18.347	180	362323	13.11	PPBV		100
108) NAPHTHALENE	18.395	128	919027	12.96	PPBV		100
110) TVHC as equiv Pentane	2.303	TIC	685461	8.17	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07980.D
Acq On : 19 Aug 2024 12:35 am
Operator : benk
Sample : icc305-10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 04:19:31 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:59 2024
Response via : Initial Calibration

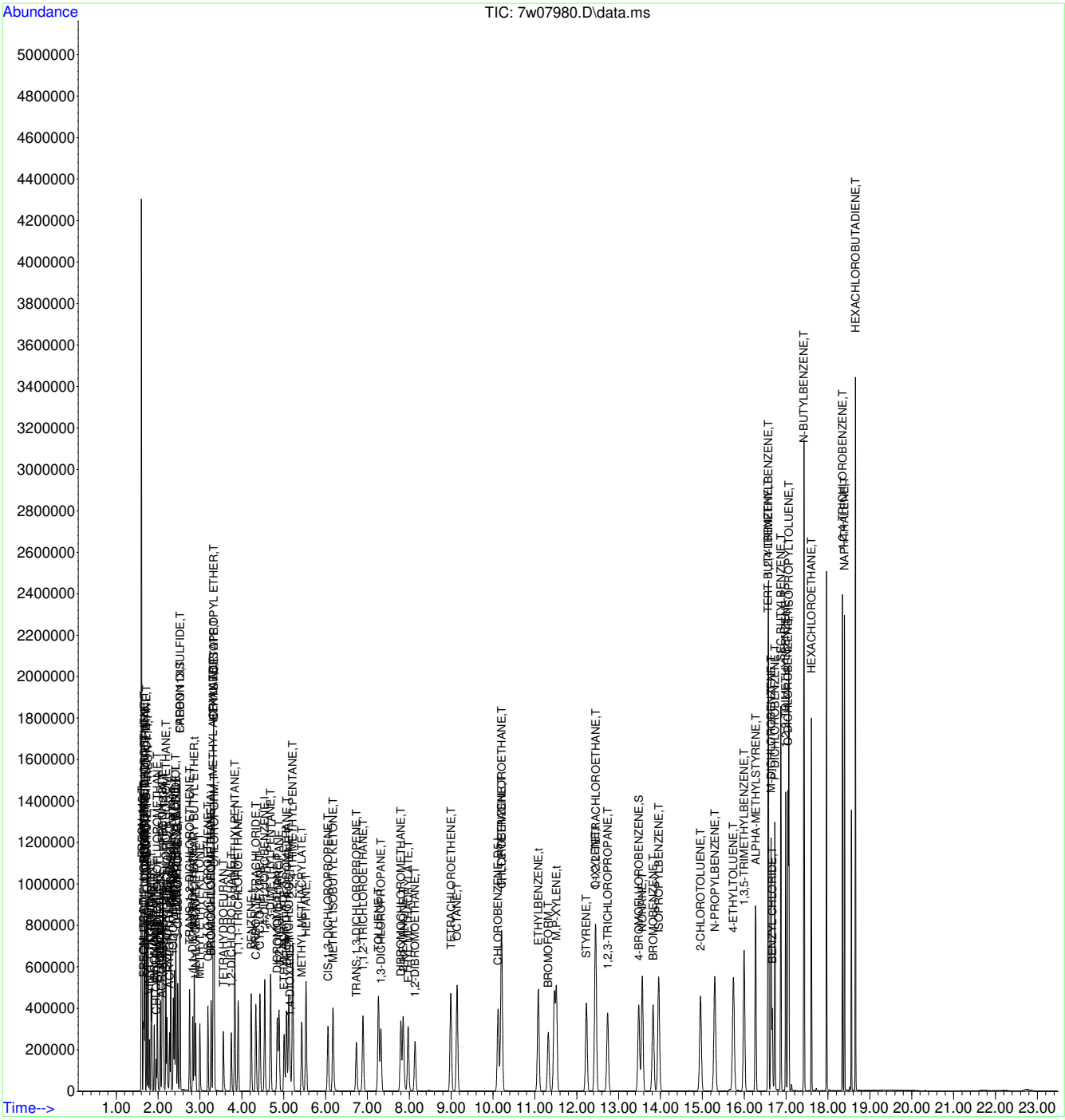
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07980.D
Acq On : 19 Aug 2024 12:35 am
Operator : benk
Sample : icc305-10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 04:19:31 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:59 2024
Response via : Initial Calibration



Manual Integration Approval Summary

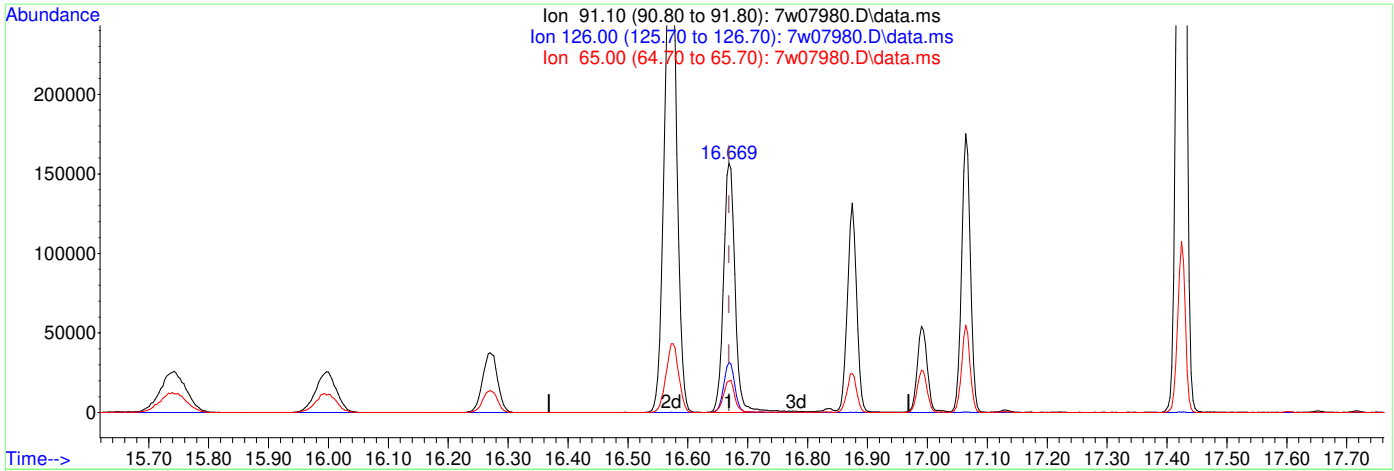
Sample Number:	V7W305-ICC305	**Method:**	TO-15
Lab FileID:	7W07980.D	**Analyst approved:**	08/19/24 12:13 Kanya Veerawat
Injection Time:	08/19/24 00:35	**Supervisor approved:**	08/19/24 12:13 Kanya Veerawat

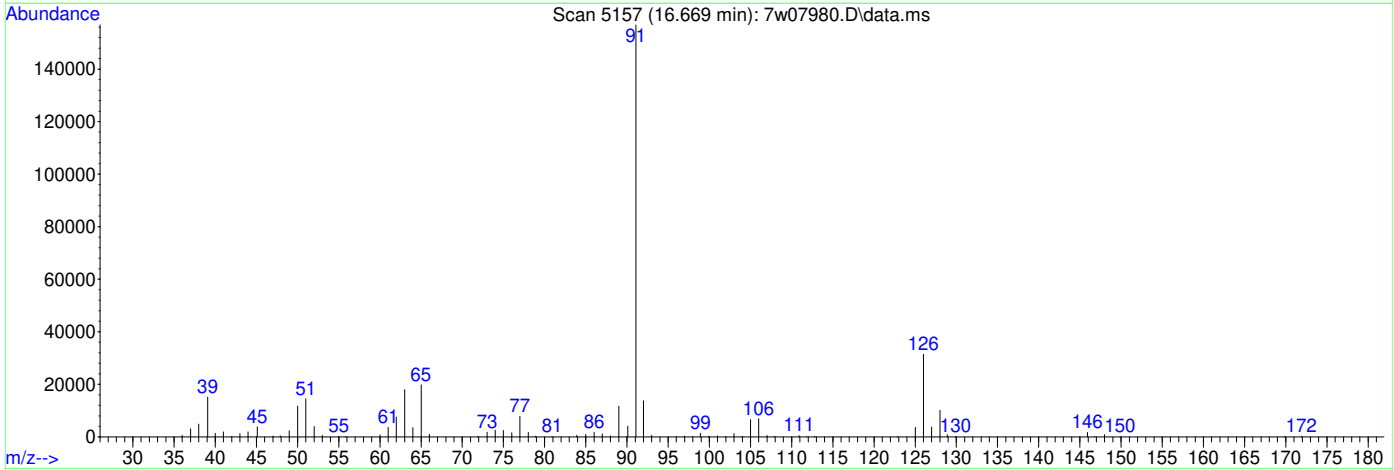
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzyl Chloride	100-44-7		16.67	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07980.D
Acq On : 19 Aug 2024 12:35 am
Operator : benk
Sample : icc305-10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 01:10:46 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:59 2024
Response via : Initial Calibration





TIC: 7w07980.D\data.ms

(97) BENZYL CHLORIDE (T)

16.669min (+0.000) 9.14PPBV

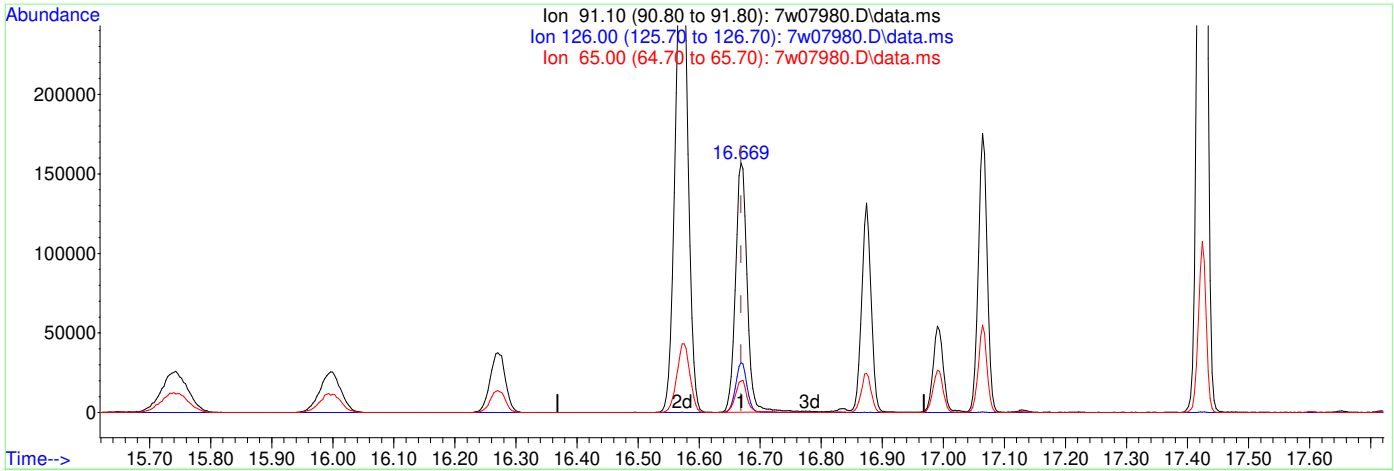
response 209652

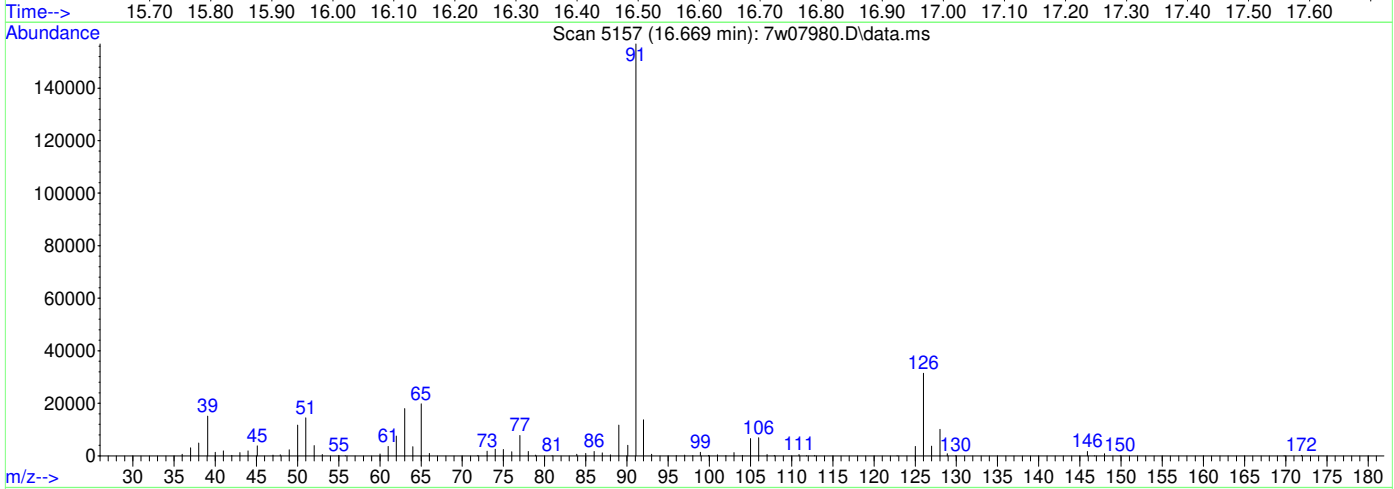
Ion	Exp%	Act%
91.10	100	100
126.00	19.60	19.52
65.00	13.50	13.08
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07980.D
Acq On : 19 Aug 2024 12:35 am
Operator : benk
Sample : icc305-10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 01:10:46 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:59 2024
Response via : Initial Calibration





TIC: 7w07980.D\data.ms

(97) BENZYL CHLORIDE (T)

16.669min (+0.000) 8.98PPBV m

response 206043

Ion	Exp%	Act%
91.10	100	100
126.00	19.60	19.87
65.00	13.50	13.30
0.00	0.00	0.00

7W07981.D

Manual Integrations APPROVED (compounds with "m" flag)

Kanya Veerawat 08/19/24 10:53

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07981.D
Acq On : 19 Aug 2024 1:10 am
Operator : benk
Sample : ic305-20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 04:20:49 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 01:13:02 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.267	128	78951	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.550	114	399337	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.122	117	358279	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.267	128	78951	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.479	95	266903	10.06	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.618	119	223150	21.59	PPBV		99
3) FREON 152A	1.647	65	113696	20.51	PPBV		99
4) CHLORODIFLUOROMETHANE	1.660	67	54585	20.96	PPBV		96
5) CHLOROTRIFLUOROETHENE	1.669	116	260366	20.90	PPBV		100
6) DICHLORODIFLUOROMETHANE	1.688	85	680605	20.91	PPBV		100
7) PROPYLENE	1.669	41	152928	19.87	PPBV		99
8) 1-CHLORO-1,1-DIFLUOROE...	1.724	65	568833	20.81	PPBV		100
9) FREON 114	1.759	85	605062	21.62	PPBV		100
10) CHLOROMETHANE	1.730	52	78040	18.64	PPBV		98
11) VINYL CHLORIDE	1.791	62	255415	19.85	PPBV		99
12) 1,3-BUTADIENE	1.833	54	213526	19.54	PPBV		99
13) N-BUTANE	1.846	43	396119	20.43	PPBV		100
14) BROMOMETHANE	1.907	94	203898	20.45	PPBV		98
15) CHLOROETHANE	1.955	64	134751	20.22	PPBV		90
16) DICHLOROFLUOROMETHANE	1.981	67	524283	21.39	PPBV		100
17) ACETONITRILE	2.052	41	223496	16.36	PPBV		99
18) ACROLEIN	2.090	56	122465	21.34	PPBV		99
19) FREON 123	2.103	83	531281	19.97	PPBV		100
20) FREON 123A	2.123	117	323136	21.67	PPBV		100
21) TRICHLOROFLUOROMETHANE	2.187	101	609713	21.19	PPBV		99
22) ISOPROPYL ALCOHOL	2.209	45	505798	16.79	PPBV		99
23) ACETONE	2.129	58	132986	12.82	PPBV		98
24) PENTANE	2.303	42	275517	17.87	PPBV		100
25) IODOMETHANE	2.364	142	554198	21.34	PPBV		99
26) 1,1-DICHLOROETHYLENE	2.393	96	224620	19.91	PPBV		100
27) CARBON DISULFIDE	2.524	76	672044	20.83	PPBV		98
28) ETHANOL	1.987	45	128753	12.10	PPBV		97
29) BROMOETHENE	2.058	106	208300	20.11	PPBV		99
30) ACRYLONITRILE	2.274	52	196181	17.77	PPBV		98
31) METHYLENE CHLORIDE	2.428	84	204874	17.29	PPBV		97
32) 3-CHLOROPROPENE	2.470	76	113419	20.29	PPBV		94
33) FREON 113	2.524	151	360148	21.14	PPBV		100
34) TRANS-1,2-DICHLOROETHENE	2.753	96	212265	18.95	PPBV		99
35) TERTIARY BUTYL ALCOHOL	2.412	59	502012	18.93	PPBV		98
36) METHYL TERTIARY BUTYL ...	2.862	73	565864	21.86	PPBV		99
37) TETRAHYDROFURAN	3.553	72	108661	22.89	PPBV		99
38) HEXANE	3.319	57	447138	20.24	PPBV		100
39) VINYL ACETATE	2.901	86	53174	25.07	PPBV		94
40) 1,1-DICHLOROETHANE	2.830	63	406429	20.70	PPBV		100
41) METHYL ETHYL KETONE	2.997	72	113742	22.35	PPBV		98
42) CIS-1,2-DICHLOROETHENE	3.193	96	229111	21.47	PPBV		100
43) DIISOPROPYL ETHER	3.325	59	128654	22.05	PPBV		98
44) ETHYL ACETATE	3.328	61	90518	21.25	PPBV		97
45) METHYL ACRYLATE	3.315	55	541298	22.09	PPBV	#	26
46) CHLOROFORM	3.341	83	481874	21.68	PPBV		100
47) 2,4-DIMETHYLPENTANE	3.836	57	493893	21.63	PPBV		99
48) 1,1,1-TRICHLOROETHANE	3.913	97	446392	22.10	PPBV		97
49) CARBON TETRACHLORIDE	4.338	117	457450	22.82	PPBV		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07981.D
Acq On : 19 Aug 2024 1:10 am
Operator : benk
Sample : ic305-20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 04:20:49 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 01:13:02 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	3.749	62	359999	21.41	PPBV		100
51)	BENZENE	4.225	78	686901	21.16	PPBV		100
53)	CYCLOHEXANE	4.434	84	301083	21.52	PPBV		100
54)	2,3-DIMETHYLPENTANE	4.688	71	159069	22.48	PPBV		100
55)	TRICHLOROETHENE	5.122	95	315589	21.12	PPBV		100
56)	1,2-DICHLOROPROPANE	4.891	63	281821	20.99	PPBV		99
57)	DIBROMOMETHANE	4.849	174	258319	20.58	PPBV		100
58)	ETHYL ACRYLATE	5.010	55	648686	22.22	PPBV		100
59)	BROMODICHLOROMETHANE	5.071	83	520746	22.92	PPBV		99
60)	2,2,4-TRIMETHYLPENTANE	5.219	57	1363236	20.68	PPBV		98
61)	1,4-DIOXANE	5.142	88	159662	20.39	PPBV	#	93
62)	HEPTANE	5.534	43	490987	20.96	PPBV		100
63)	METHYL METHACRYLATE	5.431	69	269942	22.03	PPBV		98
64)	METHYL ISOBUTYL KETONE	6.174	58	278412	18.84	PPBV		100
65)	CIS-1,3-DICHLOROPROPENE	6.061	75	416046	23.40	PPBV		98
66)	TOLUENE	7.267	91	894765	21.73	PPBV		99
67)	1,3-DICHLOROPROPANE	7.325	76	454192	22.55	PPBV		100
68)	TRANS-1,3-DICHLOROPROPENE	6.736	75	339286	24.33	PPBV		97
69)	1,1,2-TRICHLOROETHANE	6.897	83	252481	22.25	PPBV		99
70)	2-HEXANONE	7.846	58	409335	18.16	PPBV		99
71)	ETHYL METHACRYLATE	7.971	69	456862	22.78	PPBV		99
72)	TETRACHLOROETHENE	8.997	164	312906	20.27	PPBV		99
73)	DIBROMOCHLOROMETHANE	7.801	129	522506	25.25	PPBV		100
74)	1,2-DIBROMOETHANE	8.142	107	469334	23.12	PPBV		100
75)	OCTANE	9.142	43	701989	20.21	PPBV		100
77)	1,1,1,2-TETRACHLOROETHANE	10.215	131	358362	23.86	PPBV		98
78)	CHLOROBENZENE	10.203	112	755223	22.52	PPBV		100
79)	ETHYLBENZENE	11.087	91	1235495	20.71	PPBV		100
80)	M,P-XYLENE	11.514	91	1915233	51.64	PPBV		98
81)	O-XYLENE	12.447	91	990163	22.27	PPBV		97
82)	STYRENE	12.235	104	744264	23.04	PPBV		100
83)	NONANE	13.569	43	767362	21.75	PPBV		100
84)	BROMOFORM	11.322	173	476337	25.55	PPBV		99
85)	1,1,2,2-TETRACHLOROETHANE	12.460	83	719296	23.01	PPBV		100
86)	1,2,3-TRICHLOROPROPANE	12.739	75	552619	23.08	PPBV		100
88)	ISOPROPYLBENZENE	13.961	120	370195	21.85	PPBV		99
89)	BROMOBENZENE	13.829	77	689619	22.52	PPBV		99
90)	2-CHLOROTOLUENE	14.961	126	332076	21.66	PPBV		99
91)	N-PROPYLBENZENE	15.299	120	388667	22.47	PPBV		100
92)	4-ETHYLTOLUENE	15.746	105	1411045	23.43	PPBV		100
93)	1,3,5-TRIMETHYLBENZENE	15.997	105	1186430	21.61	PPBV		100
94)	ALPHA-METHYLSTYRENE	16.273	118	616609	22.44	PPBV		100
95)	TERT-BUTYLBENZENE	16.572	134	285876	21.66	PPBV		98
96)	1,2,4-TRIMETHYLBENZENE	16.582	105	1283114	22.29	PPBV		99
97)	BENZYL CHLORIDE	16.672	91	586437m	33.00	PPBV		
98)	M-DICHLOROBENZENE	16.643	146	806410	22.21	PPBV		100
99)	P-DICHLOROBENZENE	16.733	146	813706	21.78	PPBV		100
100)	O-DICHLOROBENZENE	17.048	146	781278	21.49	PPBV		99
101)	SEC-BUTYLBENZENE	16.878	134	363104	21.90	PPBV		98
102)	1,2,3-TRIMETHYLBENZENE	16.993	105	1240077	21.66	PPBV		100
103)	P-ISOPROPYLTOLUENE	17.067	134	399174	21.83	PPBV		100
104)	N-BUTYLBENZENE	17.427	134	407447	22.96	PPBV		98
105)	HEXACHLOROETHANE	17.604	117	446077	27.20	PPBV		99
106)	HEXACHLOROBUTADIENE	18.659	225	601439	23.20	PPBV		99
107)	1,2,4-TRICHLOROBENZENE	18.347	180	799662	26.27	PPBV		99
108)	NAPHTHALENE	18.395	128	2024654	23.88	PPBV		100
110)	TVHC as equiv Pentane	2.303	TIC	1370798	16.29	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07981.D
Acq On : 19 Aug 2024 1:10 am
Operator : benk
Sample : ic305-20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 04:20:49 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 01:13:02 2024
Response via : Initial Calibration

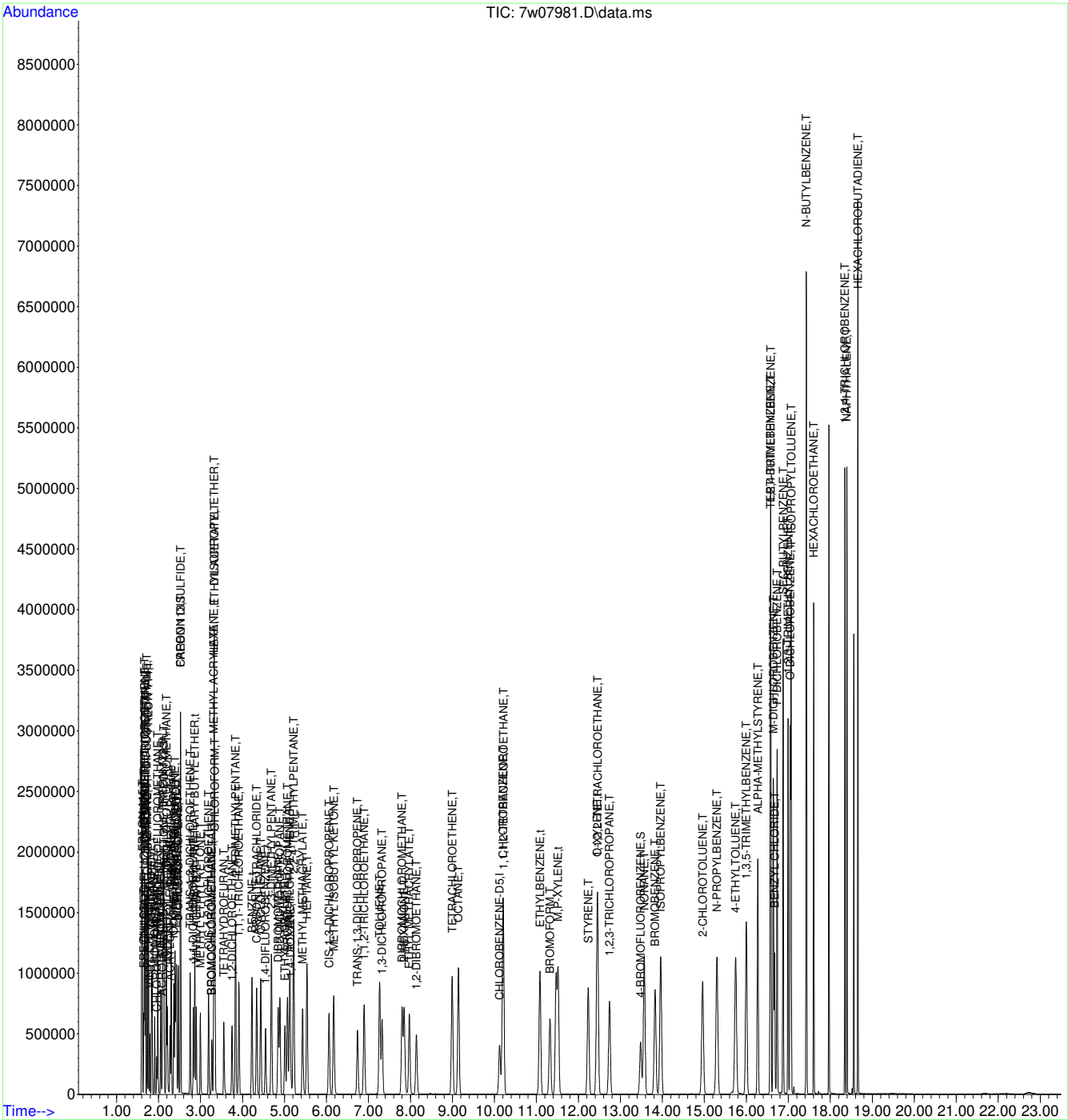
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07981.D
Acq On : 19 Aug 2024 1:10 am
Operator : benk
Sample : ic305-20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 04:20:49 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 01:13:02 2024
Response via : Initial Calibration



Manual Integration Approval Summary

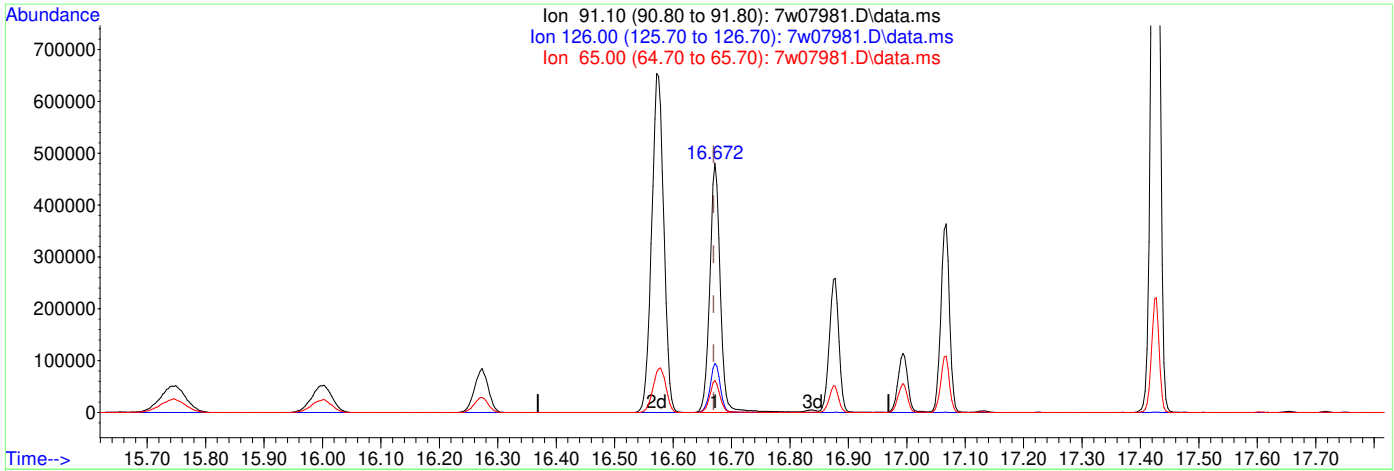
Sample Number:	V7W305-IC305	**Method:**	TO-15
Lab FileID:	7W07981.D	**Analyst approved:**	08/19/24 09:06 Benjamin Kim
Injection Time:	08/19/24 01:10	**Supervisor approved:**	08/19/24 10:53 Kanya Veerawat

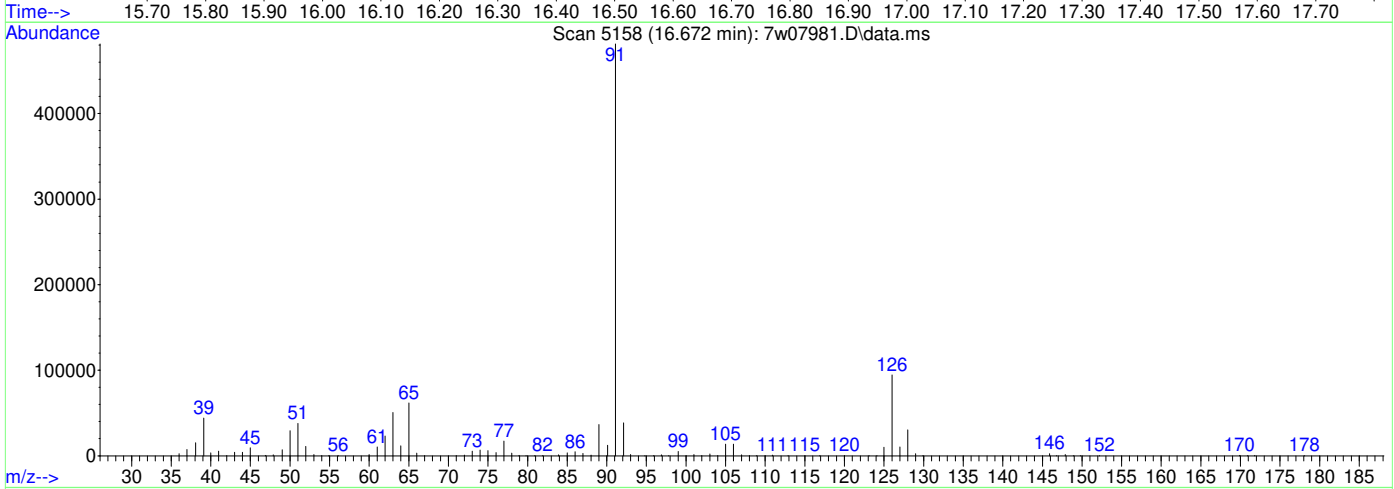
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzyl Chloride	100-44-7		16.67	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07981.D
Acq On : 19 Aug 2024 1:10 am
Operator : benk
Sample : ic305-20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 01:55:52 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 01:13:02 2024
Response via : Initial Calibration





TIC: 7w07981.D\data.ms

(97) BENZYL CHLORIDE (T)

16.672min (+0.003) 33.69PPBV

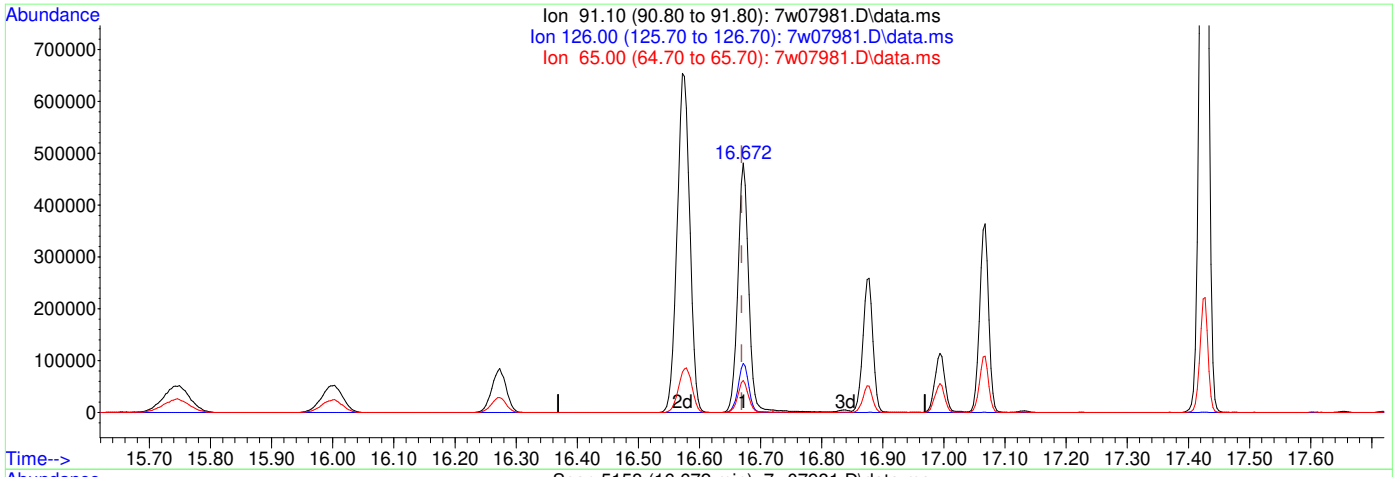
response 598744

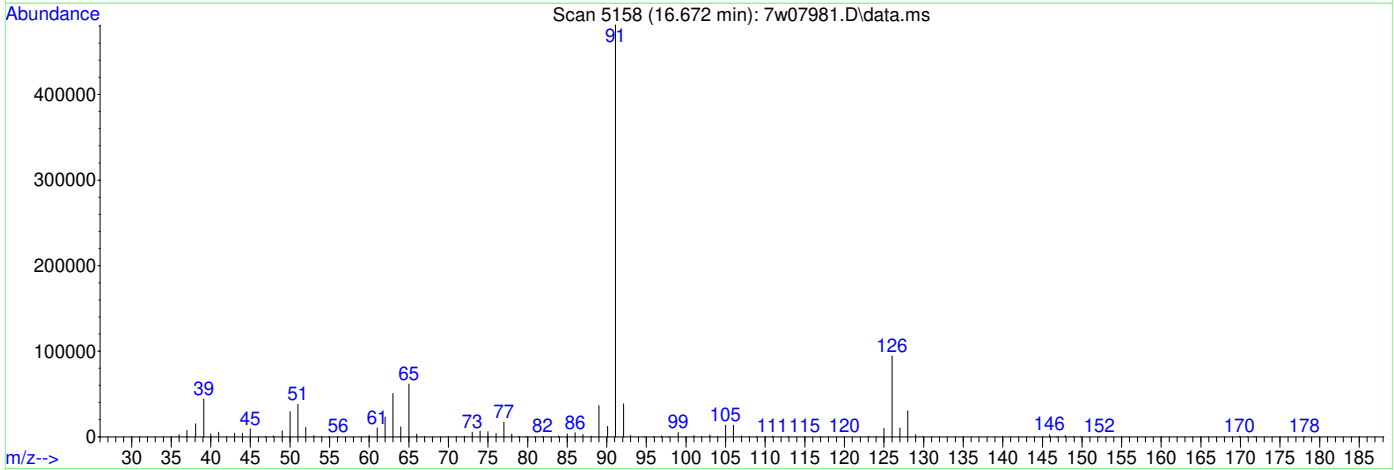
Ion	Exp%	Act%
91.10	100	100
126.00	19.60	19.41
65.00	13.50	12.91
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07981.D
Acq On : 19 Aug 2024 1:10 am
Operator : benk
Sample : ic305-20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 01:55:52 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 01:13:02 2024
Response via : Initial Calibration





TIC: 7w07981.D\data.ms

(97) BENZYL CHLORIDE (T)

16.672min (+0.003) 33.00PPBV m

response 586437

Ion	Exp%	Act%
91.10	100	100
126.00	19.60	19.82
65.00	13.50	13.18
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07982.D
Acq On : 19 Aug 2024 1:48 am
Operator : benk
Sample : ic305-40
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 03:03:06 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 03:01:24 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.267	128	77284	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.550	114	380992	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.129	117	341287	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.267	128	77286	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.482	95	254399	10.16	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.615	119	479498	49.08	PPBV		98
3) FREON 152A	1.647	65	225277	41.32	PPBV		99
4) CHLORODIFLUOROMETHANE	1.660	67	107855	41.41	PPBV		96
5) CHLOROTRIFLUOROETHENE	1.669	116	531168	42.36	PPBV		98
6) DICHLORODIFLUOROMETHANE	1.685	85	1365507	42.82	PPBV		99
7) PROPYLENE	1.669	41	307501	41.15	PPBV		98
8) 1-CHLORO-1,1-DIFLUOROE...	1.724	65	1126152	42.58	PPBV		99
9) FREON 114	1.759	85	1216958	44.90	PPBV		100
10) CHLOROMETHANE	1.730	52	155210	39.41	PPBV		100
11) VINYL CHLORIDE	1.792	62	503905	41.23	PPBV		98
12) 1,3-BUTADIENE	1.830	54	423360	41.02	PPBV		98
13) N-BUTANE	1.846	43	784812	43.23	PPBV		99
14) BROMOMETHANE	1.907	94	405186	41.45	PPBV		99
15) CHLOROETHANE	1.956	64	265590	41.21	PPBV		90
16) DICHLOROFLUOROMETHANE	1.981	67	1054144	44.46	PPBV		99
17) ACETONITRILE	2.052	41	444566	35.18	PPBV		100
18) ACROLEIN	2.091	56	244650	46.58	PPBV		99
19) FREON 123	2.103	83	1072484	42.46	PPBV		100
20) FREON 123A	2.123	117	648266	45.20	PPBV		100
21) TRICHLOROFLUOROMETHANE	2.187	101	1217843	43.41	PPBV		99
22) ISOPROPYL ALCOHOL	2.206	45	986924	35.57	PPBV		98
23) ACETONE	2.129	58	267712	27.52	PPBV		99
24) PENTANE	2.303	42	541283	39.96	PPBV		99
25) IODOMETHANE	2.364	142	1107350	45.77	PPBV		100
26) 1,1-DICHLOROETHYLENE	2.393	96	444048	42.54	PPBV		100
27) CARBON DISULFIDE	2.525	76	1380820	45.82	PPBV		97
28) ETHANOL	1.988	45	246600	22.56	PPBV		98
29) BROMOETHENE	2.058	106	411694	41.15	PPBV		99
30) ACRYLONITRILE	2.274	52	386593	39.48	PPBV		98
31) METHYLENE CHLORIDE	2.428	84	403498	36.21	PPBV		97
32) 3-CHLOROPROPENE	2.470	76	229000	43.65	PPBV		92
33) FREON 113	2.525	151	717158	44.48	PPBV		100
34) TRANS-1,2-DICHLOROETHENE	2.753	96	418606	39.92	PPBV		99
35) TERTIARY BUTYL ALCOHOL	2.409	59	988301	41.72	PPBV		97
36) METHYL TERTIARY BUTYL ...	2.862	73	1162668	45.46	PPBV		99
37) TETRAHYDROFURAN	3.550	72	216092	45.61	PPBV		99
38) HEXANE	3.322	57	909825	43.13	PPBV		99
39) VINYL ACETATE	2.901	86	112738	52.89	PPBV		93
40) 1,1-DICHLOROETHANE	2.830	63	811814	42.39	PPBV		100
41) METHYL ETHYL KETONE	2.997	72	229599	45.08	PPBV		100
42) CIS-1,2-DICHLOROETHENE	3.193	96	461447	43.14	PPBV		99
43) DIISOPROPYL ETHER	3.325	59	260000	46.49	PPBV		99
44) ETHYL ACETATE	3.332	61	186268	45.35	PPBV		99
45) METHYL ACRYLATE	3.319	55	1119785	47.57	PPBV	#	26
46) CHLOROFORM	3.345	83	964123	43.74	PPBV		100
47) 2,4-DIMETHYLPENTANE	3.836	57	1011033	45.64	PPBV		100
48) 1,1,1-TRICHLOROETHANE	3.917	97	934248	46.56	PPBV		97
49) CARBON TETRACHLORIDE	4.338	117	968917	48.27	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07982.D
Acq On : 19 Aug 2024 1:48 am
Operator : benk
Sample : ic305-40
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 03:03:06 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 03:01:24 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	3.753	62	733596	44.30	PPBV		100
51)	BENZENE	4.226	78	1385476	42.73	PPBV		100
53)	CYCLOHEXANE	4.434	84	603407	44.01	PPBV		100
54)	2,3-DIMETHYLPENTANE	4.692	71	320742	46.54	PPBV		100
55)	TRICHLOROETHENE	5.126	95	641066	43.93	PPBV		100
56)	1,2-DICHLOROPROPANE	4.891	63	574606	44.69	PPBV		99
57)	DIBROMOMETHANE	4.853	174	521107	42.96	PPBV		99
58)	ETHYL ACRYLATE	5.013	55	1339537	48.52	PPBV		100
59)	BROMODICHLOROMETHANE	5.074	83	1065741	47.59	PPBV		99
60)	2,2,4-TRIMETHYLPENTANE	5.222	57	2752474	44.22	PPBV		99
61)	1,4-DIOXANE	5.139	88	316234	41.72	PPBV	#	91
62)	HEPTANE	5.537	43	994256	45.09	PPBV		100
63)	METHYL METHACRYLATE	5.434	69	556132	46.84	PPBV		98
64)	METHYL ISOBUTYL KETONE	6.171	58	558762	39.99	PPBV		99
65)	CIS-1,3-DICHLOROPROPENE	6.061	75	875361	50.16	PPBV		98
66)	TOLUENE	7.270	91	1807715	45.02	PPBV		99
67)	1,3-DICHLOROPROPANE	7.328	76	913247	46.29	PPBV		99
68)	TRANS-1,3-DICHLOROPROPENE	6.743	75	743619	53.83	PPBV		96
69)	1,1,2-TRICHLOROETHANE	6.901	83	505262	45.59	PPBV		99
70)	2-HEXANONE	7.846	58	793923	38.66	PPBV		99
71)	ETHYL METHACRYLATE	7.975	69	944521	49.01	PPBV		99
72)	TETRACHLOROETHENE	8.997	164	632328	43.26	PPBV		100
73)	DIBROMOCHLOROMETHANE	7.804	129	1085341	51.12	PPBV		100
74)	1,2-DIBROMOETHANE	8.148	107	957340	48.14	PPBV		99
75)	OCTANE	9.148	43	1415805	43.08	PPBV		100
77)	1,1,1,2-TETRACHLOROETHANE	10.222	131	747842	50.62	PPBV		98
78)	CHLOROBENZENE	10.206	112	1519252	45.56	PPBV		99
79)	ETHYLBENZENE	11.090	91	2480888	44.56	PPBV		99
80)	M,P-XYLENE	11.524	91	3827571	90.65	PPBV		98
81)	O-XYLENE	12.453	91	1995478	46.04	PPBV		97
82)	STYRENE	12.241	104	1510779	47.29	PPBV		100
83)	NONANE	13.576	43	1529296	45.44	PPBV		99
84)	BROMOFORM	11.328	173	1015782	55.05	PPBV		100
85)	1,1,2,2-TETRACHLOROETHANE	12.466	83	1454357	47.64	PPBV		100
86)	1,2,3-TRICHLOROPROPANE	12.746	75	1111565	47.22	PPBV		100
88)	ISOPROPYLBENZENE	13.968	120	745304	45.82	PPBV		99
89)	BROMOBENZENE	13.833	77	1398331	46.31	PPBV		99
90)	2-CHLOROTOLUENE	14.965	126	671558	44.16	PPBV		99
91)	N-PROPYLBENZENE	15.305	120	787486	46.13	PPBV		100
92)	4-ETHYLTOLUENE	15.752	105	2903289	49.04	PPBV		100
93)	1,3,5-TRIMETHYLBENZENE	16.006	105	2452735	46.90	PPBV		100
94)	ALPHA-METHYLSTYRENE	16.276	118	1287592	49.03	PPBV		100
95)	TERT-BUTYLBENZENE	16.579	134	595730	48.09	PPBV		97
96)	1,2,4-TRIMETHYLBENZENE	16.588	105	2687686	49.67	PPBV		99
97)	BENZYL CHLORIDE	16.675	91	1577661	77.14	PPBV		99
98)	M-DICHLOROBENZENE	16.649	146	1650345	48.34	PPBV		100
99)	P-DICHLOROBENZENE	16.739	146	1699131	47.87	PPBV		100
100)	O-DICHLOROBENZENE	17.051	146	1624812	47.84	PPBV		99
101)	SEC-BUTYLBENZENE	16.878	134	741809	48.93	PPBV		99
102)	1,2,3-TRIMETHYLBENZENE	16.997	105	2571874	48.72	PPBV		99
103)	P-ISOPROPYLTOLUENE	17.067	134	821843	48.57	PPBV		98
104)	N-BUTYLBENZENE	17.431	134	861362	51.77	PPBV		99
105)	HEXACHLOROETHANE	17.608	117	1016583	64.36	PPBV		98
106)	HEXACHLOROBUTADIENE	18.659	225	1336000	52.86	PPBV		99
107)	1,2,4-TRICHLOROBENZENE	18.350	180	1756356	53.82	PPBV		99
108)	NAPHTHALENE	18.399	128	4403551	50.52	PPBV		100
110)	TVHC as equiv Pentane	2.303	TIC	2678485	35.13	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07982.D
Acq On : 19 Aug 2024 1:48 am
Operator : benk
Sample : ic305-40
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 03:03:06 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 03:01:24 2024
Response via : Initial Calibration

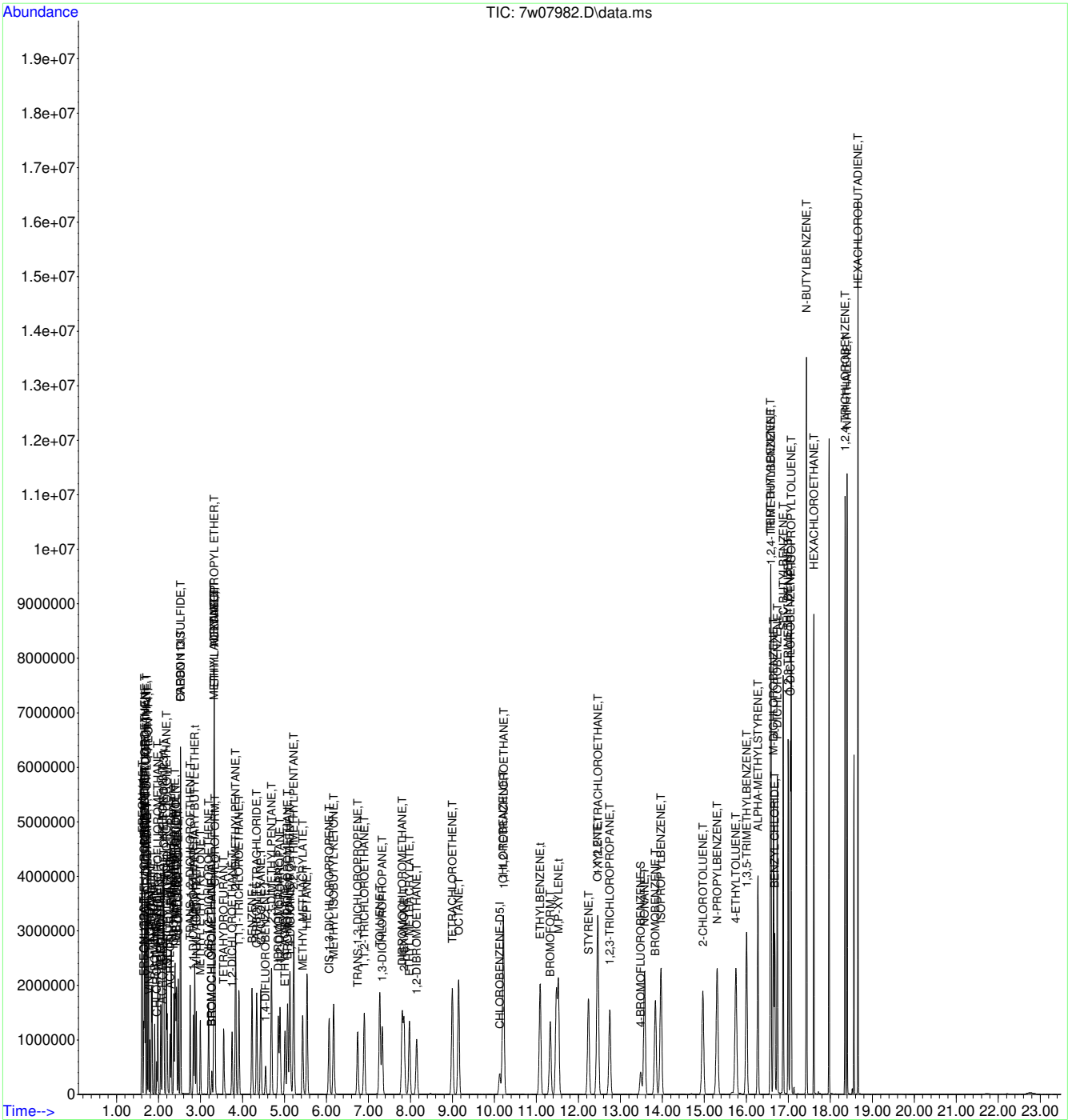
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07982.D
Acq On : 19 Aug 2024 1:48 am
Operator : benk
Sample : ic305-40
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 03:03:06 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 03:01:24 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07983.D
Acq On : 19 Aug 2024 2:28 am
Operator : benk
Sample : ic305-50
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 03:05:15 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 03:03:31 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.270	128	78494	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.550	114	389657	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.126	117	345790	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.270	128	78466	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.482	95	262126	10.33	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.615	119	245619	24.76	PPBV		99
3) FREON 152A	1.647	65	291677	52.67	PPBV		98
4) CHLORODIFLUOROMETHANE	1.660	67	141627	53.53	PPBV		95
5) CHLOROTRIFLUOROETHENE	1.669	116	690638	54.22	PPBV		96
6) DICHLORODIFLUOROMETHANE	1.689	85	1753161	54.12	PPBV		100
7) PROPYLENE	1.669	41	405362	53.41	PPBV		99
8) 1-CHLORO-1,1-DIFLUOROE...	1.724	65	1432344	53.33	PPBV		99
9) FREON 114	1.759	85	1558278	56.61	PPBV		100
10) CHLOROMETHANE	1.730	52	195627	48.91	PPBV		98
11) VINYL CHLORIDE	1.791	62	635465	51.19	PPBV		98
12) 1,3-BUTADIENE	1.833	54	540324	51.55	PPBV		98
13) N-BUTANE	1.846	43	998179	54.13	PPBV		99
14) BROMOMETHANE	1.907	94	514200	51.79	PPBV		99
15) CHLOROETHANE	1.955	64	333396	50.94	PPBV		90
16) DICHLOROFLUOROMETHANE	1.981	67	1339188	55.61	PPBV		99
17) ACETONITRILE	2.052	41	560405	43.66	PPBV		100
18) ACROLEIN	2.090	56	312569	58.59	PPBV		100
19) FREON 123	2.103	83	1374797	53.58	PPBV		100
20) FREON 123A	2.123	117	825932	56.70	PPBV		100
21) TRICHLOROFLUOROMETHANE	2.187	101	1536852	53.94	PPBV		99
22) ISOPROPYL ALCOHOL	2.206	45	1276024	45.28	PPBV		98
23) ACETONE	2.129	58	337983	34.21	PPBV		99
24) PENTANE	2.303	42	687480	49.97	PPBV		100
25) IODOMETHANE	2.364	142	1405240	57.19	PPBV		100
26) 1,1-DICHLOROETHYLENE	2.393	96	566307	53.41	PPBV		99
27) CARBON DISULFIDE	2.525	76	1762887	57.59	PPBV		96
28) ETHANOL	1.988	45	321155	35.32	PPBV		99
29) BROMOETHENE	2.058	106	524513	51.62	PPBV		99
30) ACRYLONITRILE	2.274	52	490384	49.31	PPBV		99
31) METHYLENE CHLORIDE	2.428	84	515055	45.51	PPBV		96
32) 3-CHLOROPROPENE	2.470	76	294143	55.20	PPBV		90
33) FREON 113	2.525	151	913434	55.78	PPBV		100
34) TRANS-1,2-DICHLOROETHENE	2.753	96	535169	50.25	PPBV		98
35) TERTIARY BUTYL ALCOHOL	2.409	59	1298839	53.98	PPBV		95
36) METHYL TERTIARY BUTYL ...	2.862	73	1507766	58.04	PPBV		100
37) TETRAHYDROFURAN	3.550	72	274817	57.11	PPBV		98
38) HEXANE	3.322	57	1158103	54.06	PPBV		99
39) VINYL ACETATE	2.901	86	146094	67.49	PPBV		93
40) 1,1-DICHLOROETHANE	2.830	63	1030008	52.95	PPBV		100
41) METHYL ETHYL KETONE	2.997	72	294713	56.98	PPBV		97
42) CIS-1,2-DICHLOROETHENE	3.193	96	589563	54.27	PPBV		99
43) DIISOPROPYL ETHER	3.328	59	332704	58.58	PPBV		98
44) ETHYL ACETATE	3.332	61	237324	56.89	PPBV		100
45) METHYL ACRYLATE	3.319	55	1426991	59.69	PPBV	#	26
46) CHLOROFORM	3.348	83	1214394	54.25	PPBV		100
47) 2,4-DIMETHYLPENTANE	3.836	57	1280289	56.90	PPBV		100
48) 1,1,1-TRICHLOROETHANE	3.917	97	1200423	58.91	PPBV		96
49) CARBON TETRACHLORIDE	4.338	117	1255040	61.56	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07983.D
Acq On : 19 Aug 2024 2:28 am
Operator : benk
Sample : ic305-50
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 03:05:15 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 03:03:31 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	3.753	62	933342	55.50	PPBV		100
51)	BENZENE	4.229	78	1758391	53.39	PPBV		100
53)	CYCLOHEXANE	4.434	84	764340	54.51	PPBV		99
54)	2,3-DIMETHYLPENTANE	4.692	71	410142	58.19	PPBV		99
55)	TRICHLOROETHENE	5.129	95	820753	55.00	PPBV		100
56)	1,2-DICHLOROPROPANE	4.894	63	728144	55.37	PPBV		100
57)	DIBROMOMETHANE	4.856	174	664737	53.59	PPBV		100
58)	ETHYL ACRYLATE	5.013	55	1729659	61.26	PPBV		99
59)	BROMODICHLOROMETHANE	5.074	83	1366362	59.66	PPBV		99
60)	2,2,4-TRIMETHYLPENTANE	5.222	57	3472389	54.54	PPBV		99
61)	1,4-DIOXANE	5.135	88	411014	53.01	PPBV	#	91
62)	HEPTANE	5.540	43	1257625	55.77	PPBV		100
63)	METHYL METHACRYLATE	5.434	69	710742	58.53	PPBV		98
64)	METHYL ISOBUTYL KETONE	6.171	58	700033	48.98	PPBV		100
65)	CIS-1,3-DICHLOROPROPENE	6.065	75	1127356	63.16	PPBV		97
66)	TOLUENE	7.270	91	2289185	55.74	PPBV		100
67)	1,3-DICHLOROPROPANE	7.331	76	1142857	56.64	PPBV		99
68)	TRANS-1,3-DICHLOROPROPENE	6.743	75	969360	68.61	PPBV		96
69)	1,1,2-TRICHLOROETHANE	6.901	83	643667	56.79	PPBV		100
70)	2-HEXANONE	7.849	58	988014	47.05	PPBV		100
71)	ETHYL METHACRYLATE	7.978	69	1193687	60.56	PPBV		99
72)	TETRACHLOROETHENE	9.000	164	805208	53.86	PPBV		99
73)	DIBROMOCHLOROMETHANE	7.804	129	1392250	64.12	PPBV		100
74)	1,2-DIBROMOETHANE	8.151	107	1218207	59.90	PPBV		99
75)	OCTANE	9.151	43	1775513	52.82	PPBV		100
77)	1,1,1,2-TETRACHLOROETHANE	10.222	131	958162	64.01	PPBV		98
78)	CHLOROBENZENE	10.209	112	1916033	56.71	PPBV		99
79)	ETHYLBENZENE	11.090	91	3150833	55.86	PPBV		100
80)	M,P-XYLENE	11.524	91	4833704	112.99	PPBV		98
81)	O-XYLENE	12.457	91	2534915	57.72	PPBV		97
82)	STYRENE	12.241	104	1921279	59.36	PPBV		99
83)	NONANE	13.579	43	1935888	56.77	PPBV		99
84)	BROMOFORM	11.331	173	1314897	70.33	PPBV		100
85)	1,1,2,2-TETRACHLOROETHANE	12.473	83	1856029	60.00	PPBV		100
86)	1,2,3-TRICHLOROPROPANE	12.752	75	1408047	59.04	PPBV		100
88)	ISOPROPYLBENZENE	13.971	120	945561	57.37	PPBV		99
89)	BROMOBENZENE	13.836	77	1768536	57.81	PPBV		99
90)	2-CHLOROTOLUENE	14.968	126	853495	55.39	PPBV		99
91)	N-PROPYLBENZENE	15.305	120	1005505	58.13	PPBV		100
92)	4-ETHYLTOLUENE	15.756	105	3707934	61.82	PPBV		100
93)	1,3,5-TRIMETHYLBENZENE	16.010	105	3135087	59.17	PPBV		100
94)	ALPHA-METHYLSTYRENE	16.280	118	1653911	62.16	PPBV		99
95)	TERT-BUTYLBENZENE	16.579	134	766074	61.04	PPBV		98
96)	1,2,4-TRIMETHYLBENZENE	16.591	105	3471175	63.31	PPBV		99
97)	BENZYL CHLORIDE	16.678	91	2221433	107.20	PPBV		99
98)	M-DICHLOROBENZENE	16.649	146	2136121	61.75	PPBV		100
99)	P-DICHLOROBENZENE	16.739	146	2201660	61.23	PPBV		100
100)	O-DICHLOROBENZENE	17.051	146	2121120	61.64	PPBV		99
101)	SEC-BUTYLBENZENE	16.881	134	961231	62.57	PPBV		99
102)	1,2,3-TRIMETHYLBENZENE	17.000	105	3311109	61.90	PPBV		100
103)	P-ISOPROPYLTOLUENE	17.071	134	1069730	62.40	PPBV		99
104)	N-BUTYLBENZENE	17.431	134	1119830	66.42	PPBV		100
105)	HEXACHLOROETHANE	17.608	117	1352760	84.53	PPBV		99
106)	HEXACHLOROBUTADIENE	18.662	225	1795989	70.14	PPBV		99
107)	1,2,4-TRICHLOROBENZENE	18.353	180	2392266	72.35	PPBV		99
108)	NAPHTHALENE	18.402	128	6097099	69.04	PPBV		99
110)	TVHC as equiv Pentane	2.303	TIC	3373992	43.59	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07983.D
Acq On : 19 Aug 2024 2:28 am
Operator : benk
Sample : ic305-50
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 03:05:15 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 03:03:31 2024
Response via : Initial Calibration

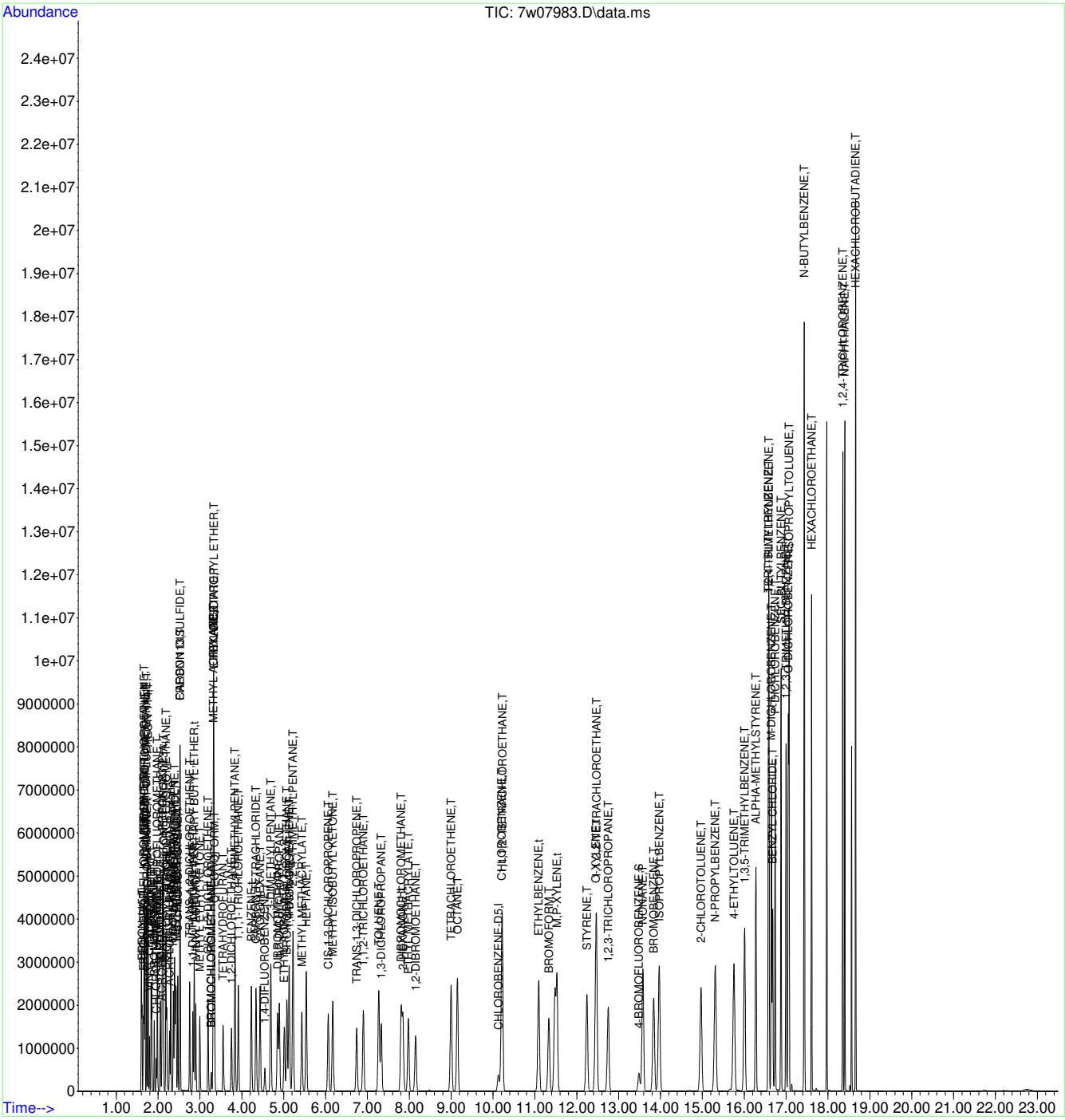
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07983.D
Acq On : 19 Aug 2024 2:28 am
Operator : benk
Sample : ic305-50
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 03:05:15 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 03:03:31 2024
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07990.D
Acq On : 19 Aug 2024 6:28 am
Operator : benk
Sample : icv305-10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 29 00:15:05 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.267	128	76227	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.547	114	379483	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.122	117	340309	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.267	128	76227	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.479	95	247947	9.93	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.614	119	109240	11.17	PPBV		99
3) FREON 152A	1.647	65	53753	10.19	PPBV		99
4) CHLORODIFLUOROMETHANE	1.656	67	25133	9.88	PPBV		97
5) CHLOROTRIFLUOROETHENE	1.669	116	122894	9.94	PPBV		96
6) DICHLORODIFLUOROMETHANE	1.685	85	332419	10.88	PPBV		100
7) PROPYLENE	1.669	41	70144	9.60	PPBV		99
8) 1-CHLORO-1,1-DIFLUOROE...	1.724	65	281408	11.00	PPBV		100
9) FREON 114	1.759	85	300241	11.55	PPBV		100
10) CHLOROMETHANE	1.730	52	38535	9.73	PPBV		99
11) VINYL CHLORIDE	1.791	62	125485	10.31	PPBV		98
12) 1,3-BUTADIENE	1.830	54	103362	10.44	PPBV		99
13) N-BUTANE	1.846	43	192783	10.67	PPBV		100
14) BROMOMETHANE	1.907	94	101749	10.45	PPBV		99
15) CHLOROETHANE	1.955	64	65638	10.53	PPBV		92
16) DICHLOROFLUOROMETHANE	1.981	67	265986	11.16	PPBV		99
17) ACETONITRILE	2.052	41	112948	9.54	PPBV		99
18) ACROLEIN	2.090	56	60791	10.23	PPBV		98
19) FREON 123	2.103	83	252173	10.42	PPBV		99
20) FREON 123A	2.119	117	145517	10.48	PPBV		99
21) TRICHLOROFLUOROMETHANE	2.187	101	303115	11.06	PPBV		100
22) ISOPROPYL ALCOHOL	2.212	45	271631	10.52	PPBV		99
23) ACETONE	2.132	58	65635	9.33	PPBV		98
24) PENTANE	2.303	42	132878	10.13	PPBV		99
25) IODOMETHANE	2.364	142	277095	11.72	PPBV		99
26) 1,1-DICHLOROETHYLENE	2.393	96	113020	11.08	PPBV		97
27) CARBON DISULFIDE	2.524	76	349631	11.76	PPBV		100
28) ETHANOL	1.991	45	58992	8.36	PPBV		99
29) BROMOETHENE	2.058	106	103369	11.10	PPBV		99
30) ACRYLONITRILE	2.274	52	96396	10.07	PPBV		99
31) METHYLENE CHLORIDE	2.428	84	104108	9.92	PPBV		96
32) 3-CHLOROPROPENE	2.470	76	56363	10.49	PPBV		93
33) FREON 113	2.524	151	183367	11.42	PPBV		99
34) TRANS-1,2-DICHLOROETHENE	2.753	96	107278	10.78	PPBV		100
35) TERTIARY BUTYL ALCOHOL	2.418	59	294471	11.88	PPBV		97
36) METHYL TERTIARY BUTYL ...	2.865	73	273981	10.96	PPBV		100
37) TETRAHYDROFURAN	3.556	72	51249	10.76	PPBV		97
38) HEXANE	3.319	57	196473	9.44	PPBV		100
39) VINYL ACETATE	2.901	86	25222	11.09	PPBV		87
40) 1,1-DICHLOROETHANE	2.827	63	191878	10.35	PPBV		100
41) METHYL ETHYL KETONE	2.997	72	52375	10.33	PPBV		99
42) CIS-1,2-DICHLOROETHENE	3.190	96	109602	10.39	PPBV		97
43) DIISOPROPYL ETHER	3.325	59	57566	10.63	PPBV		93
44) ETHYL ACETATE	3.328	61	39996	10.06	PPBV		99
45) METHYL ACRYLATE	3.315	55	245056	10.75	PPBV	#	26
46) CHLOROFORM	3.341	83	229319	10.75	PPBV		99
47) 2,4-DIMETHYLPENTANE	3.833	57	225377	10.13	PPBV		99
48) 1,1,1-TRICHLOROETHANE	3.910	97	204733	10.54	PPBV		97
49) CARBON TETRACHLORIDE	4.335	117	200635	10.52	PPBV		99

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07990.D
Acq On : 19 Aug 2024 6:28 am
Operator : benk
Sample : icv305-10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 29 00:15:05 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	3.749	62	169201	10.46	PPBV		99
51)	BENZENE	4.222	78	316278	10.07	PPBV		99
53)	CYCLOHEXANE	4.431	84	138874	10.36	PPBV		99
54)	2,3-DIMETHYLPENTANE	4.688	71	73542	10.71	PPBV		98
55)	TRICHLOROETHENE	5.122	95	147930	10.18	PPBV		99
56)	1,2-DICHLOROPROPANE	4.888	63	132436	10.24	PPBV		100
57)	DIBROMOMETHANE	4.849	174	125660	10.30	PPBV		99
58)	ETHYL ACRYLATE	5.010	55	296975	10.70	PPBV		99
59)	BROMODICHLOROMETHANE	5.068	83	239481	10.74	PPBV		100
60)	2,2,4-TRIMETHYLPENTANE	5.216	57	618959	10.08	PPBV		99
61)	1,4-DIOXANE	5.151	88	78243	9.84	PPBV	#	98
62)	HEPTANE	5.534	43	215703	10.00	PPBV		98
63)	METHYL METHACRYLATE	5.431	69	124844	10.75	PPBV		99
64)	METHYL ISOBUTYL KETONE	6.174	58	128395	9.67	PPBV		98
65)	CIS-1,3-DICHLOROPROPENE	6.058	75	172676	10.42	PPBV		98
66)	TOLUENE	7.264	91	409854	10.15	PPBV		99
67)	1,3-DICHLOROPROPANE	7.322	76	206984	10.43	PPBV		100
68)	TRANS-1,3-DICHLOROPROPENE	6.733	75	141799	10.43	PPBV		98
69)	1,1,2-TRICHLOROETHANE	6.894	83	119463	10.82	PPBV		99
70)	2-HEXANONE	7.852	58	184918	9.13	PPBV		100
71)	ETHYL METHACRYLATE	7.971	69	210624	10.97	PPBV		98
72)	TETRACHLOROETHENE	8.990	164	146582	10.16	PPBV		100
73)	DIBROMOCHLOROMETHANE	7.794	129	231313	10.94	PPBV		99
74)	1,2-DIBROMOETHANE	8.138	107	217379	11.18	PPBV		99
75)	OCTANE	9.141	43	307968	9.49	PPBV		98
77)	1,1,1,2-TETRACHLOROETHANE	10.212	131	157549	10.79	PPBV		99
78)	CHLOROBENZENE	10.199	112	345685	10.49	PPBV		99
79)	ETHYLBENZENE	11.080	91	562286	10.41	PPBV		99
80)	M,P-XYLENE	11.511	91	869508	20.39	PPBV		99
81)	O-XYLENE	12.440	91	442080	10.32	PPBV		97
82)	STYRENE	12.228	104	333475	10.76	PPBV		100
83)	NONANE	13.563	43	334870	9.89	PPBV		98
84)	BROMOFORM	11.315	173	199478	10.77	PPBV		99
85)	1,1,2,2-TETRACHLOROETHANE	12.456	83	324727	10.77	PPBV		99
86)	1,2,3-TRICHLOROPROPANE	12.736	75	250625	10.29	PPBV		100
88)	ISOPROPYLBENZENE	13.958	120	169216	10.43	PPBV		100
89)	BROMOBENZENE	13.820	77	313692	10.22	PPBV		99
90)	2-CHLOROTOLUENE	14.955	126	154799	10.41	PPBV		99
91)	N-PROPYLBENZENE	15.292	120	176747	10.58	PPBV		99
92)	4-ETHYLTOLUENE	15.742	105	631445	10.68	PPBV		100
93)	1,3,5-TRIMETHYLBENZENE	15.996	105	529517	10.64	PPBV		100
94)	ALPHA-METHYLSTYRENE	16.270	118	285116	10.78	PPBV		99
95)	TERT-BUTYLBENZENE	16.569	134	128929	10.83	PPBV		100
96)	1,2,4-TRIMETHYLBENZENE	16.578	105	562226	10.81	PPBV		99
97)	BENZYL CHLORIDE	16.668	91	224329	14.83	PPBV		100
98)	M-DICHLOROBENZENE	16.643	146	357907	10.31	PPBV		99
99)	P-DICHLOROBENZENE	16.730	146	364848	10.60	PPBV		100
100)	O-DICHLOROBENZENE	17.045	146	347951	10.47	PPBV		99
101)	SEC-BUTYLBENZENE	16.874	134	164754	11.00	PPBV		96
102)	1,2,3-TRIMETHYLBENZENE	16.993	105	547996	10.41	PPBV		99
103)	P-ISOPROPYLTOLUENE	17.064	134	181395	10.85	PPBV		99
104)	N-BUTYLBENZENE	17.427	134	180029	10.85	PPBV		97
105)	HEXACHLOROETHANE	17.604	117	174155	10.82	PPBV		100
106)	HEXACHLOROBUTADIENE	18.659	225	264758	10.60	PPBV		99
107)	1,2,4-TRICHLOROBENZENE	18.347	180	344052	10.34	PPBV		99
108)	NAPHTHALENE	18.395	128	945806	10.88	PPBV		100
110)	TVHC as equiv Pentane	2.303	TIC	662374	10.01	PPBV		100

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07990.D
Acq On : 19 Aug 2024 6:28 am
Operator : benk
Sample : icv305-10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 29 00:15:05 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

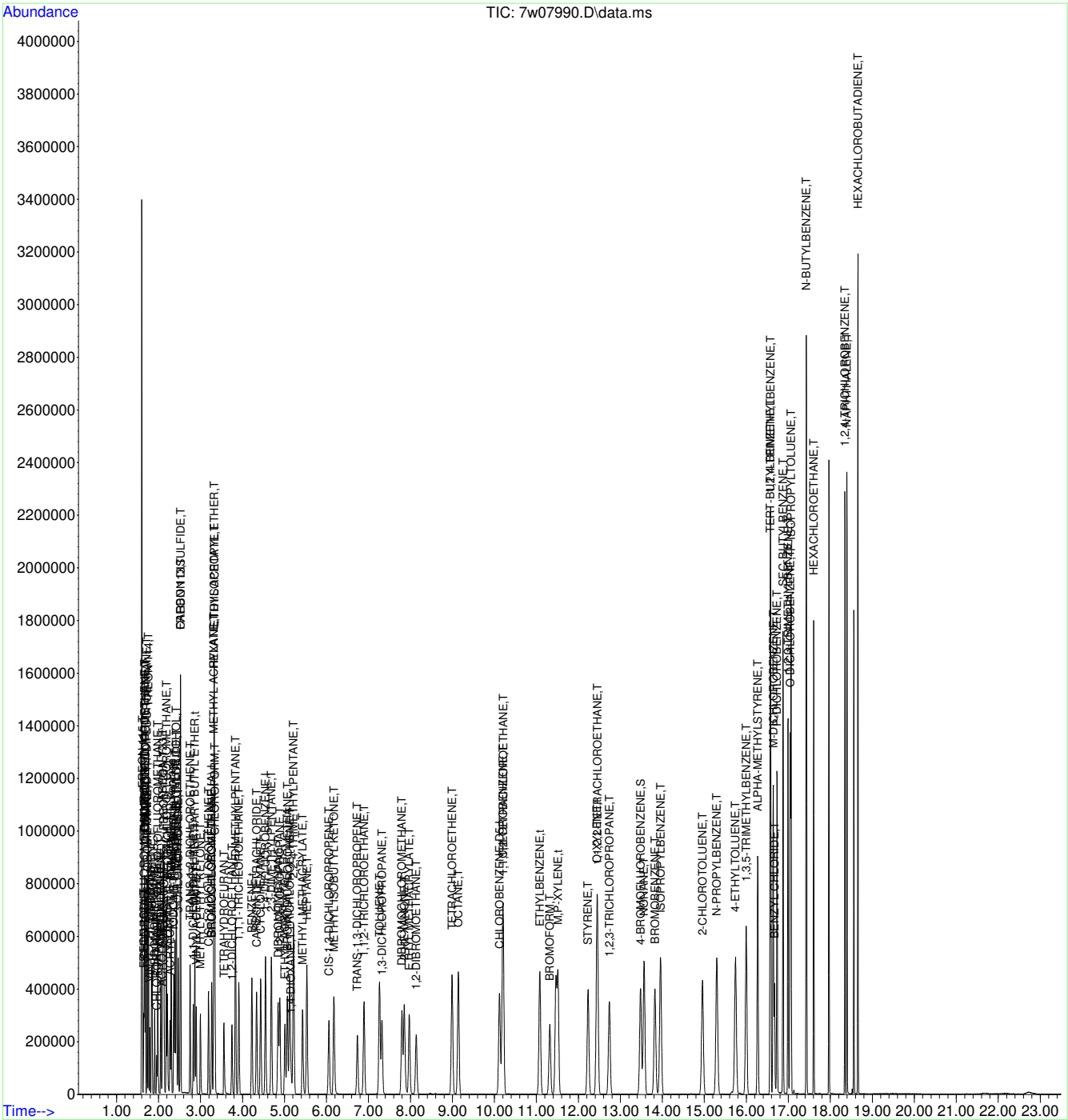
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07990.D
Acq On : 19 Aug 2024 6:28 am
Operator : benk
Sample : icv305-10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 29 00:15:05 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 10/28/24 10:31

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\102824\v7w369\
Data File : 7w09948.d
Acq On : 25 Oct 2024 11:00 am
Operator : thomash
Sample : cc305-10 Inst : MS7W
Misc : MS86212,v7w369,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 28 10:42:47 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.274	128	63493	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.553	114	331082	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.125	117	297593	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.274	128	63497	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.479	95	213981	9.80	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.621	119	113026	13.8804	PPBV		95
3) FREON 152A	1.650	65	60332	13.7252	PPBV		88
4) CHLORODIFLUOROMETHANE	1.663	67	23723	11.1913	PPBV		96
5) CHLOROTRIFLUOROETHENE	1.676	116	127298	12.3560	PPBV		73
6) DICHLORODIFLUOROMETHANE	1.692	85	263336	10.3431	PPBV		97
7) PROPYLENE	1.672	41	77585	12.7538	PPBV		98
8) 1-CHLORO-1,1-DIFLUOROE...	1.730	65	188871	8.8602	PPBV		96
9) FREON 114	1.766	85	222669	10.2813	PPBV		99
10) CHLOROMETHANE	1.737	52	30987	9.3966	PPBV		99
11) VINYL CHLORIDE	1.798	62	108145	10.6661	PPBV		100
12) 1,3-BUTADIENE	1.840	54	88205	10.7004	PPBV		91
13) N-BUTANE	1.856	43	158723	10.5438	PPBV		100
14) BROMOMETHANE	1.914	94	76716	9.4622	PPBV		99
15) CHLOROETHANE	1.965	64	55645	10.7159	PPBV		91
16) DICHLOROFLUOROMETHANE	1.991	67	201388	10.1476	PPBV		98
17) ACETONITRILE	2.061	41	94050	9.5412	PPBV		99
18) ACROLEIN	2.100	56	50543	10.2132	PPBV		99
19) FREON 123	2.113	83	201545	9.9941	PPBV		98
20) FREON 123A	2.129	117	117688	10.1736	PPBV		94
21) TRICHLOROFLUOROMETHANE	2.197	101	211056	9.2441	PPBV		99
22) ISOPROPYL ALCOHOL	2.219	45	206117	9.5846	PPBV		97
23) ACETONE	2.139	58	56547	9.6486	PPBV		80
24) PENTANE	2.312	42	114292	10.4627	PPBV		93
25) IODOMETHANE	2.373	142	199212	10.1152	PPBV		94
26) 1,1-DICHLOROETHYLENE	2.399	96	84089	9.8975	PPBV		98
27) CARBON DISULFIDE	2.534	76	237014m	9.5726	PPBV		
28) ETHANOL	1.997	45	65784	11.1955	PPBV		99
29) BROMOETHENE	2.068	106	79227	10.2179	PPBV		97
30) ACRYLONITRILE	2.283	52	83841	10.5181	PPBV		98
31) METHYLENE CHLORIDE	2.438	84	76681	8.7694	PPBV		97
32) 3-CHLOROPROPENE	2.476	76	42028	9.3929	PPBV		87
33) FREON 113	2.531	151	121094	9.0567	PPBV		98
34) TRANS-1,2-DICHLOROETHENE	2.759	96	92006	11.1038	PPBV		95
35) TERTIARY BUTYL ALCOHOL	2.422	59	187657	9.0909	PPBV		95
36) METHYL TERTIARY BUTYL ...	2.872	73	247830	11.9047	PPBV		98
37) TETRAHYDROFURAN	3.563	72	48020	12.1055	PPBV		98
38) HEXANE	3.325	57	197954	11.4233	PPBV		91
39) VINYL ACETATE	2.907	86	21965	11.5903	PPBV		83
40) 1,1-DICHLOROETHANE	2.836	63	192906	12.4937	PPBV		99
41) METHYL ETHYL KETONE	3.004	72	51830	12.2738	PPBV		92
42) CIS-1,2-DICHLOROETHENE	3.200	96	99630	11.3378	PPBV		97
43) DIISOPROPYL ETHER	3.332	59	55353	12.2759	PPBV		88
44) ETHYL ACETATE	3.335	61	39267	11.8571	PPBV		83
45) METHYL ACRYLATE	3.322	55	230826	12.1609	PPBV	#	26
46) CHLOROFORM	3.348	83	193366	10.8804	PPBV		96
47) 2,4-DIMETHYLPENTANE	3.840	57	228065	12.3033	PPBV		98
48) 1,1,1-TRICHLOROETHANE	3.920	97	184374	11.3966	PPBV		97
49) CARBON TETRACHLORIDE	4.341	117	188605	11.8768	PPBV		98

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\102824\v7w369\
Data File : 7w09948.d
Acq On : 25 Oct 2024 11:00 am
Operator : thomash
Sample : cc305-10 Inst : MS7W
Misc : MS86212,v7w369,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 28 10:42:47 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	3.756	62	146730	10.8862	PPBV		99
51)	BENZENE	4.229	78	308275	11.7867	PPBV		96
53)	CYCLOHEXANE	4.441	84	134964	11.5416	PPBV		96
54)	2,3-DIMETHYLPENTANE	4.695	71	72682	12.1371	PPBV		98
55)	TRICHLOROETHENE	5.129	95	135525	10.6878	PPBV		96
56)	1,2-DICHLOROPROPANE	4.894	63	132351	11.7327	PPBV		95
57)	DIBROMOMETHANE	4.856	174	119408	11.2220	PPBV		91
58)	ETHYL ACRYLATE	5.016	55	274358	11.3295	PPBV		99
59)	BROMODICHLOROMETHANE	5.074	83	213417	10.9674	PPBV		99
60)	2,2,4-TRIMETHYLPENTANE	5.222	57	610797	11.3973	PPBV		98
61)	1,4-DIOXANE	5.155	88	74819	10.7809	PPBV	#	97
62)	HEPTANE	5.537	43	203736	10.8294	PPBV		95
63)	METHYL METHACRYLATE	5.434	69	120570	11.9046	PPBV		89
64)	METHYL ISOBUTYL KETONE	6.177	58	122322	10.5619	PPBV		89
65)	CIS-1,3-DICHLOROPROPENE	6.065	75	178889	12.3742	PPBV		86
66)	TOLUENE	7.267	91	378375	10.7412	PPBV		100
67)	1,3-DICHLOROPROPANE	7.325	76	190140	10.9863	PPBV		100
68)	TRANS-1,3-DICHLOROPROPENE	6.740	75	145980	12.3099	PPBV		84
69)	1,1,2-TRICHLOROETHANE	6.897	83	110082	11.4301	PPBV		99
70)	2-HEXANONE	7.849	58	173337	9.8065	PPBV		85
71)	ETHYL METHACRYLATE	7.971	69	197350	11.7828	PPBV		90
72)	TETRACHLOROETHENE	8.994	164	147324	11.7048	PPBV		96
73)	DIBROMOCHLOROMETHANE	7.801	129	210741	11.4225	PPBV		99
74)	1,2-DIBROMOETHANE	8.145	107	200172	11.7981	PPBV		100
75)	OCTANE	9.142	43	281158	9.9350	PPBV		95
77)	1,1,1,2-TETRACHLOROETHANE	10.212	131	152082	11.9158	PPBV		94
78)	CHLOROBENZENE	10.199	112	303191	10.5248	PPBV		99
79)	ETHYLBENZENE	11.080	91	496140	10.5068	PPBV		98
80)	M,P-XYLENE	11.511	91	759385	20.3591	PPBV		99
81)	O-XYLENE	12.440	91	392123	10.4711	PPBV		99
82)	STYRENE	12.228	104	310835	11.4722	PPBV		97
83)	NONANE	13.563	43	292727	9.8840	PPBV		91
84)	BROMOFORM	11.322	173	190712	11.7766	PPBV		98
85)	1,1,2,2-TETRACHLOROETHANE	12.457	83	295336	11.1968	PPBV		98
86)	1,2,3-TRICHLOROPROPANE	12.740	75	225277	10.5759	PPBV		100
88)	ISOPROPYLBENZENE	13.958	120	152608	10.7589	PPBV		92
89)	BROMOBENZENE	13.823	77	277263	10.3324	PPBV		95
90)	2-CHLOROTOLUENE	14.955	126	137811	10.5980	PPBV		99
91)	N-PROPYLBENZENE	15.296	120	159402	10.9137	PPBV		99
92)	4-ETHYLTOLUENE	15.743	105	572692	11.0748	PPBV		100
93)	1,3,5-TRIMETHYLBENZENE	15.997	105	468289	10.7628	PPBV		98
94)	ALPHA-METHYLSTYRENE	16.270	118	243505	10.5325	PPBV		99
95)	TERT-BUTYLBENZENE	16.569	134	113959	10.9491	PPBV		94
96)	1,2,4-TRIMETHYLBENZENE	16.579	105	483510	10.6340	PPBV		99
97)	BENZYL CHLORIDE	16.669	91	274583	20.7527	PPBV		97
98)	M-DICHLOROBENZENE	16.640	146	328395	10.8224	PPBV		97
99)	P-DICHLOROBENZENE	16.730	146	334666	11.1199	PPBV		98
100)	O-DICHLOROBENZENE	17.042	146	312206	10.7438	PPBV		97
101)	SEC-BUTYLBENZENE	16.874	134	143032	10.9190	PPBV		94
102)	1,2,3-TRIMETHYLBENZENE	16.990	105	469736	10.2042	PPBV		98
103)	P-ISOPROPYLTOLUENE	17.064	134	156356	10.6967	PPBV		93
104)	N-BUTYLBENZENE	17.424	134	157567	10.8598	PPBV		88
105)	HEXACHLOROETHANE	17.601	117	173464	12.3190	PPBV		94
106)	HEXACHLOROBUTADIENE	18.652	225	250329	11.4655	PPBV		100
107)	1,2,4-TRICHLOROBENZENE	18.344	180	323430	11.1185	PPBV		98
108)	NAPHTHALENE	18.392	128	720866	9.4852	PPBV		100
110)	TVHC as equiv Pentane	2.312	TIC	539852	9.7956	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\102824\v7w369\
Data File : 7w09948.d
Acq On : 25 Oct 2024 11:00 am
Operator : thomash
Sample : cc305-10 Inst : MS7W
Misc : MS86212,v7w369,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 28 10:42:47 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

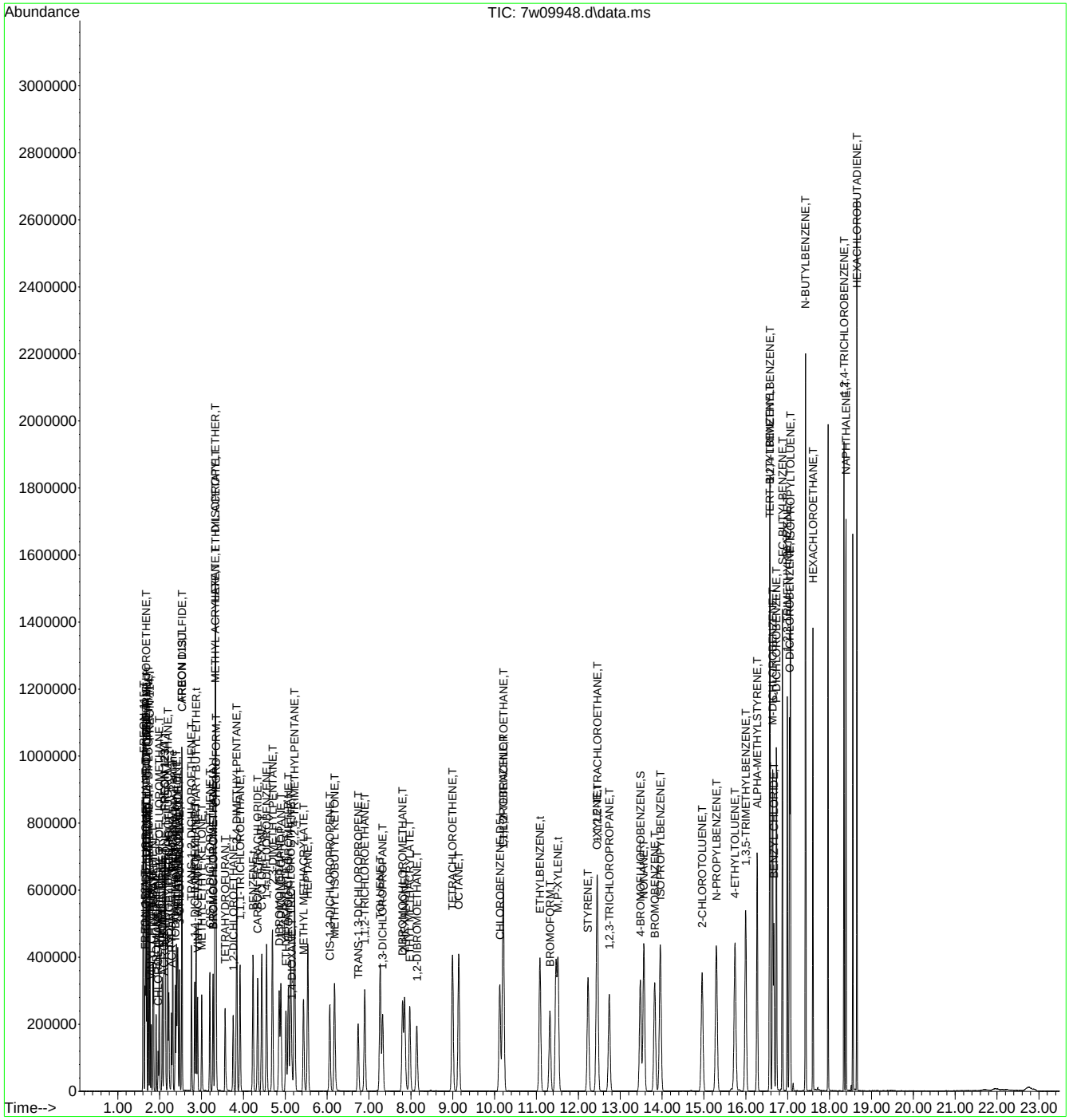
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\102824\v7w369\
Data File : 7w09948.d
Acq On : 25 Oct 2024 11:00 am
Operator : thomash
Sample : cc305-10 Inst : MS7W
Misc : MS86212,v7w369,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 28 10:42:47 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



Manual Integration Approval Summary

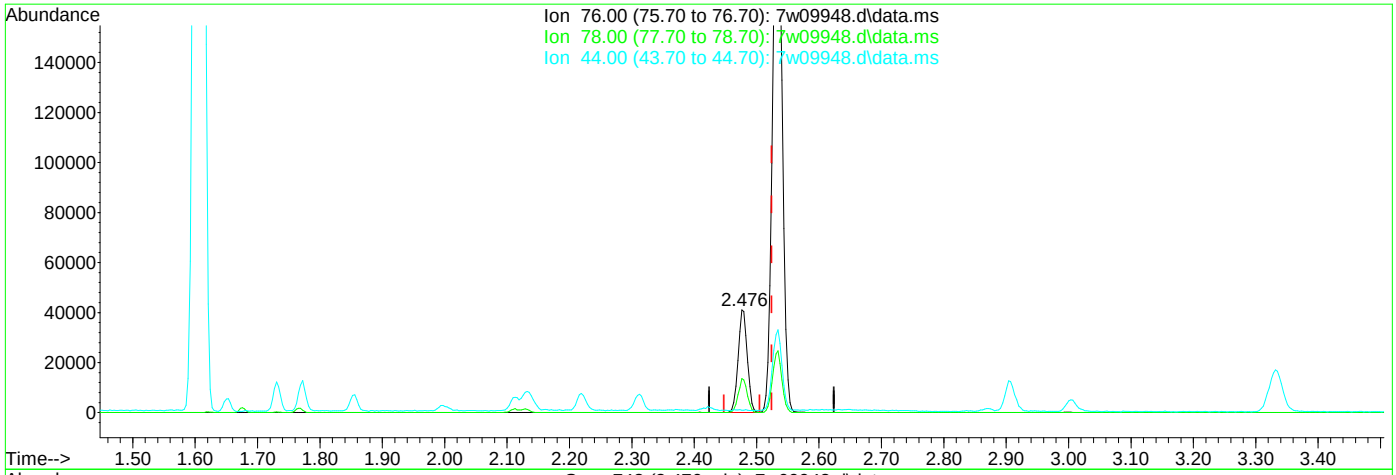
Sample Number: V7W369-CC305 **Method:** TO-15
Lab FileID: 7W09948.D **Analyst approved:** 10/28/24 09:30 Kristel Valladolid
Injection Time: 10/25/24 11:00 **Supervisor approved:** 10/28/24 10:31 Kanya Veerawat

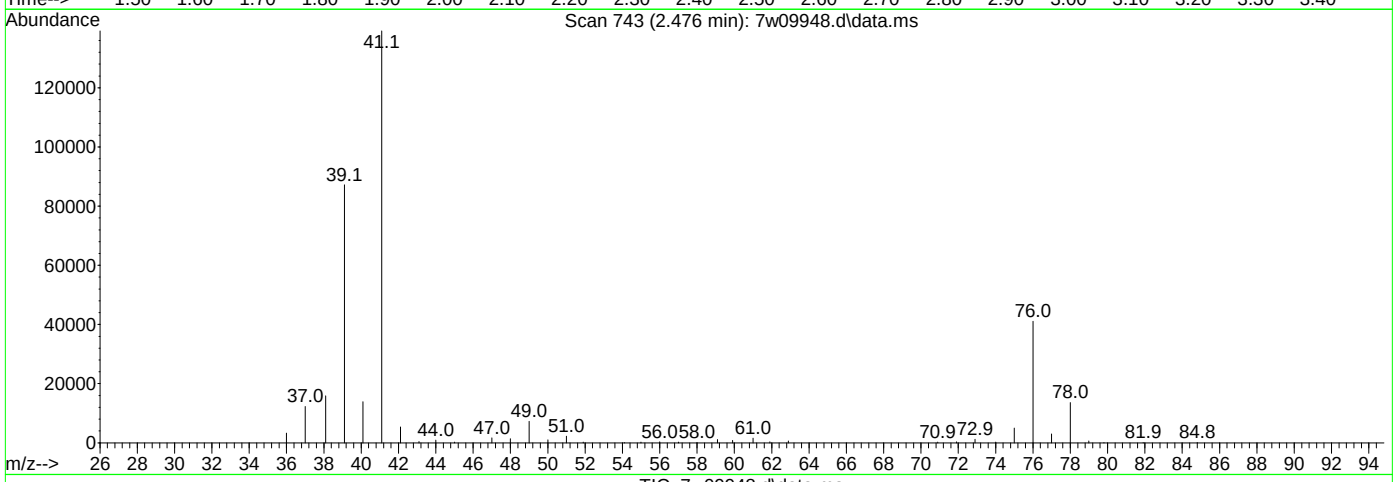
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon disulfide	75-15-0		2.53	Missed peak

Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\kristelv\102824\v7w369\
Data File : 7w09948.d
Acq On : 25 Oct 2024 11:00 am
Operator : thomash
Sample : cc305-10 Inst : MS7W
Misc : MS86212,v7w369,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 28 10:31:29 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration





TIC: 7w09948.d\data.ms

(27) CARBON DISULFIDE (T)

2.476min (-0.048) 1.70PPBV

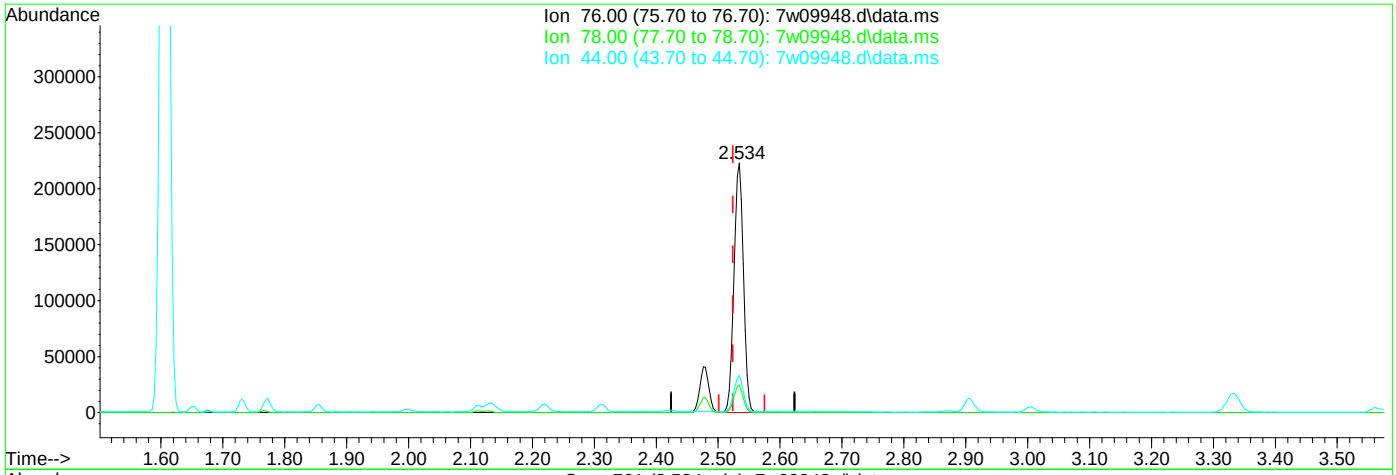
response 42062

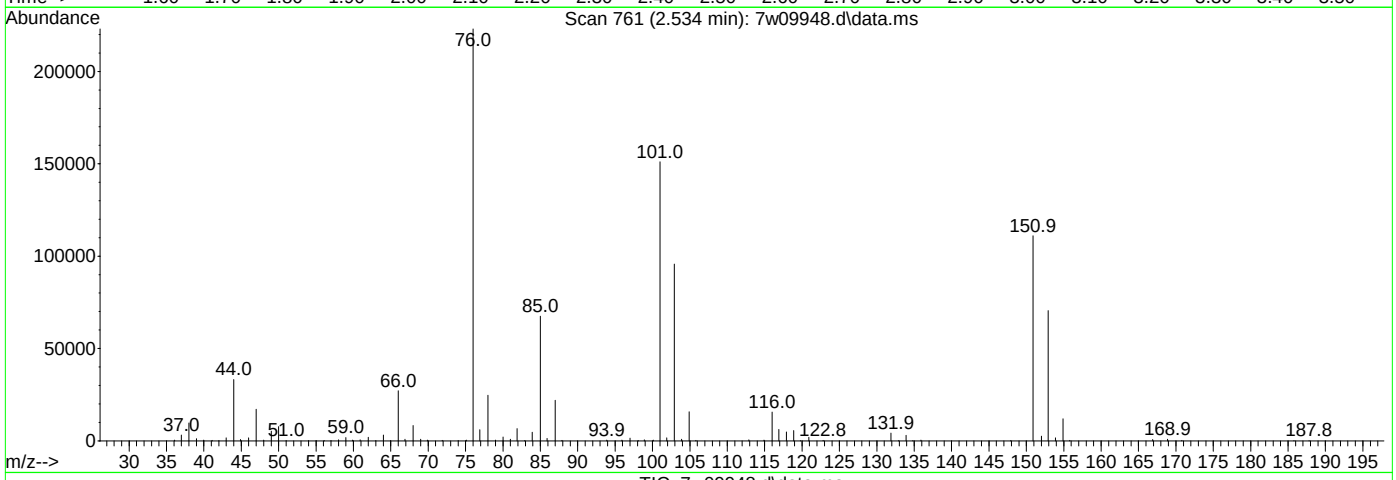
Ion	Exp%	Act%
76.00	100	100
78.00	11.40	32.65#
44.00	19.10	1.05#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\kristelv\102824\v7w369\
Data File : 7w09948.d
Acq On : 25 Oct 2024 11:00 am
Operator : thomash
Sample : cc305-10 Inst : MS7W
Misc : MS86212,v7w369,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 28 10:31:29 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration





TIC: 7w09948.d\data.ms

(27) CARBON DISULFIDE (T)

2.534min (+0.010) 9.57PPBV m

response 237014

Ion	Exp%	Act%
76.00	100	100
78.00	11.40	5.79#
44.00	19.10	0.19#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10576.D
Acq On : 18 Nov 2024 9:35 am
Operator : bkim
Sample : cc305-10 Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:25:37 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.277	128	60785	10.00	PPBV		0.01
52) 1,4-DIFLUOROBENZENE	4.554	114	318407	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.123	117	291110	10.00	PPBV		0.00
109) BROMOCHLOROMETHANE (A)	3.277	128	60785	10.00	PPBV		0.01
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	13.479	95	198104	9.28	PPBV		0.00
Target Compounds							Qvalue
2) FREON 115	1.618	119	113904	14.6115	PPBV		97
3) FREON 152A	1.650	65	58252	13.8424	PPBV		86
4) CHLORODIFLUOROMETHANE	1.663	67	22548	11.1109	PPBV		98
5) CHLOROTRIFLUOROETHENE	1.673	116	126006	12.7755	PPBV		72
6) DICHLORODIFLUOROMETHANE	1.692	85	258130	10.5903	PPBV		96
7) PROPYLENE	1.670	41	73226	12.5735	PPBV		97
8) 1-CHLORO-1,1-DIFLUOROE...	1.727	65	176595	8.6534	PPBV		93
9) FREON 114	1.763	85	219367	10.5801	PPBV		96
10) CHLOROMETHANE	1.734	52	27990	8.8659	PPBV		93
11) VINYL CHLORIDE	1.798	62	98928	10.1918	PPBV		98
12) 1,3-BUTADIENE	1.837	54	78163	9.9046	PPBV		85
13) N-BUTANE	1.853	43	130976	9.0882	PPBV		97
14) BROMOMETHANE	1.914	94	79036	10.1826	PPBV		99
15) CHLOROETHANE	1.962	64	53235	10.7085	PPBV		88
16) DICHLOROFLUOROMETHANE	1.988	67	193041	10.1603	PPBV		97
17) ACETONITRILE	2.059	41	79921	8.4691	PPBV		98
18) ACROLEIN	2.097	56	45813	9.6699	PPBV		99
19) FREON 123	2.110	83	201941	10.4598	PPBV		98
20) FREON 123A	2.129	117	122795	11.0880	PPBV		96
21) TRICHLOROFLUOROMETHANE	2.194	101	218154	9.9806	PPBV		99
22) ISOPROPYL ALCOHOL	2.219	45	185164	8.9938	PPBV		95
23) ACETONE	2.139	58	55931	9.9687	PPBV		67
24) PENTANE	2.313	42	98623	9.4305	PPBV		92
25) IODOMETHANE	2.374	142	221386	11.7419	PPBV		90
26) 1,1-DICHLOROETHYLENE	2.399	96	84778	10.4231	PPBV		90
27) CARBON DISULFIDE	2.534	76	226201	9.5429	PPBV	#	91
28) ETHANOL	1.994	45	48617	8.6425	PPBV		98
29) BROMOETHENE	2.065	106	83038	11.1865	PPBV	#	97
30) ACRYLONITRILE	2.280	52	72323	9.4774	PPBV		96
31) METHYLENE CHLORIDE	2.438	84	75641	9.0358	PPBV		81
32) 3-CHLOROPROPENE	2.480	76	40143	9.3713	PPBV	#	64
33) FREON 113	2.531	151	133379	10.4200	PPBV		93
34) TRANS-1,2-DICHLOROETHENE	2.760	96	90620	11.4238	PPBV		97
35) TERTIARY BUTYL ALCOHOL	2.422	59	178450	9.0300	PPBV		92
36) METHYL TERTIARY BUTYL ...	2.872	73	237675	11.9255	PPBV		98
37) TETRAHYDROFURAN	3.563	72	45414	11.9586	PPBV		98
38) HEXANE	3.325	57	189796	11.4405	PPBV		89
39) VINYL ACETATE	2.907	86	21344	11.7644	PPBV		84
40) 1,1-DICHLOROETHANE	2.837	63	185111	12.5230	PPBV		99
41) METHYL ETHYL KETONE	3.007	72	48844	12.0820	PPBV		93
42) CIS-1,2-DICHLOROETHENE	3.200	96	95378	11.3375	PPBV		99
43) DIISOPROPYL ETHER	3.332	59	53282	12.3430	PPBV		85
44) ETHYL ACETATE	3.338	61	37519	11.8340	PPBV		80
45) METHYL ACRYLATE	3.322	55	218966	12.0500	PPBV	#	26
46) CHLOROFORM	3.348	83	183591	10.7906	PPBV		95
47) 2,4-DIMETHYLPENTANE	3.840	57	217186	12.2384	PPBV		97
48) 1,1,1-TRICHLOROETHANE	3.920	97	179721	11.6039	PPBV		96
49) CARBON TETRACHLORIDE	4.341	117	188242	12.3820	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10576.D
Acq On : 18 Nov 2024 9:35 am
Operator : bkim
Sample : cc305-10 Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:25:37 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50)	1,2-DICHLOROETHANE	3.756	62	136186	10.5541	PPBV		99
51)	BENZENE	4.229	78	287054	11.4643	PPBV		97
53)	CYCLOHEXANE	4.438	84	122945	10.9323	PPBV		90
54)	2,3-DIMETHYLPENTANE	4.695	71	66429	11.5345	PPBV		92
55)	TRICHLOROETHENE	5.126	95	124262	10.1896	PPBV		97
56)	1,2-DICHLOROPROPANE	4.894	63	125410	11.5600	PPBV		94
57)	DIBROMOMETHANE	4.856	174	108654	10.6178	PPBV		92
58)	ETHYL ACRYLATE	5.013	55	267659	11.4928	PPBV		99
59)	BROMODICHLOROMETHANE	5.075	83	201360	10.7597	PPBV		99
60)	2,2,4-TRIMETHYLPENTANE	5.222	57	593969	11.5245	PPBV		98
61)	1,4-DIOXANE	5.152	88	67571	10.1241	PPBV	#	92
62)	HEPTANE	5.538	43	200831	11.0999	PPBV		98
63)	METHYL METHACRYLATE	5.435	69	111342	11.4310	PPBV		93
64)	METHYL ISOBUTYL KETONE	6.174	58	116688	10.4765	PPBV		88
65)	CIS-1,3-DICHLOROPROPENE	6.062	75	168984	12.1544	PPBV		86
66)	TOLUENE	7.267	91	344235	10.1611	PPBV		100
67)	1,3-DICHLOROPROPANE	7.325	76	174071	10.4582	PPBV		100
68)	TRANS-1,3-DICHLOROPROPENE	6.740	75	139249	12.2098	PPBV		85
69)	1,1,2-TRICHLOROETHANE	6.898	83	101012	10.9059	PPBV		98
70)	2-HEXANONE	7.849	58	163348	9.6093	PPBV		87
71)	ETHYL METHACRYLATE	7.972	69	179505	11.1440	PPBV		94
72)	TETRACHLOROETHENE	8.994	164	132275	10.9275	PPBV		97
73)	DIBROMOCHLOROMETHANE	7.801	129	200550	11.3029	PPBV		99
74)	1,2-DIBROMOETHANE	8.142	107	182038	11.1564	PPBV		100
75)	OCTANE	9.142	43	274062	10.0697	PPBV		98
77)	1,1,1,2-TETRACHLOROETHANE	10.209	131	144332	11.5604	PPBV		94
78)	CHLOROBENZENE	10.200	112	276377	9.8077	PPBV		99
79)	ETHYLBENZENE	11.081	91	454221	9.8333	PPBV		97
80)	M,P-XYLENE	11.508	91	696539	19.0900	PPBV		99
81)	O-XYLENE	12.441	91	354868	9.6873	PPBV		99
82)	STYRENE	12.232	104	275318	10.3876	PPBV		97
83)	NONANE	13.563	43	281389	9.7128	PPBV		94
84)	BROMOFORM	11.322	173	186323	11.7618	PPBV		99
85)	1,1,2,2-TETRACHLOROETHANE	12.454	83	264100	10.2355	PPBV		98
86)	1,2,3-TRICHLOROPROPANE	12.737	75	200411	9.6181	PPBV		100
88)	ISOPROPYLBENZENE	13.958	120	135526	9.7674	PPBV		94
89)	BROMOBENZENE	13.823	77	247703	9.4364	PPBV		95
90)	2-CHLOROTOLUENE	14.955	126	120539	9.4762	PPBV		99
91)	N-PROPYLBENZENE	15.299	120	141576	9.9091	PPBV		100
92)	4-ETHYLTOLUENE	15.740	105	515336	10.1876	PPBV		100
93)	1,3,5-TRIMETHYLBENZENE	15.994	105	416897	9.7951	PPBV		98
94)	ALPHA-METHYLSTYRENE	16.270	118	212144	9.3804	PPBV		99
95)	TERT-BUTYLBENZENE	16.569	134	102158	10.0338	PPBV		93
96)	1,2,4-TRIMETHYLBENZENE	16.579	105	434416	9.7670	PPBV		100
97)	BENZYL CHLORIDE	16.669	91	257456	19.8916	PPBV		97
98)	M-DICHLOROBENZENE	16.640	146	290983	9.8030	PPBV		97
99)	P-DICHLOROBENZENE	16.730	146	295431	10.0349	PPBV		97
100)	O-DICHLOROBENZENE	17.042	146	277787	9.7722	PPBV		97
101)	SEC-BUTYLBENZENE	16.875	134	130027	10.1472	PPBV		90
102)	1,2,3-TRIMETHYLBENZENE	16.990	105	415375	9.2243	PPBV		99
103)	P-ISOPROPYLTOLUENE	17.064	134	139585	9.7620	PPBV		94
104)	N-BUTYLBENZENE	17.421	134	139967	9.8616	PPBV		88
105)	HEXACHLOROETHANE	17.598	117	159918	11.6099	PPBV		96
106)	HEXACHLOROBUTADIENE	18.650	225	220878	10.3419	PPBV		99
107)	1,2,4-TRICHLOROBENZENE	18.341	180	269758	9.4800	PPBV		100
108)	NAPHTHALENE	18.386	128	626781	8.4309	PPBV		100
110)	TVHC as equiv Pentane	2.313	TIC	466760	8.8472	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10576.D
Acq On : 18 Nov 2024 9:35 am
Operator : bkim
Sample : cc305-10 Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:25:37 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

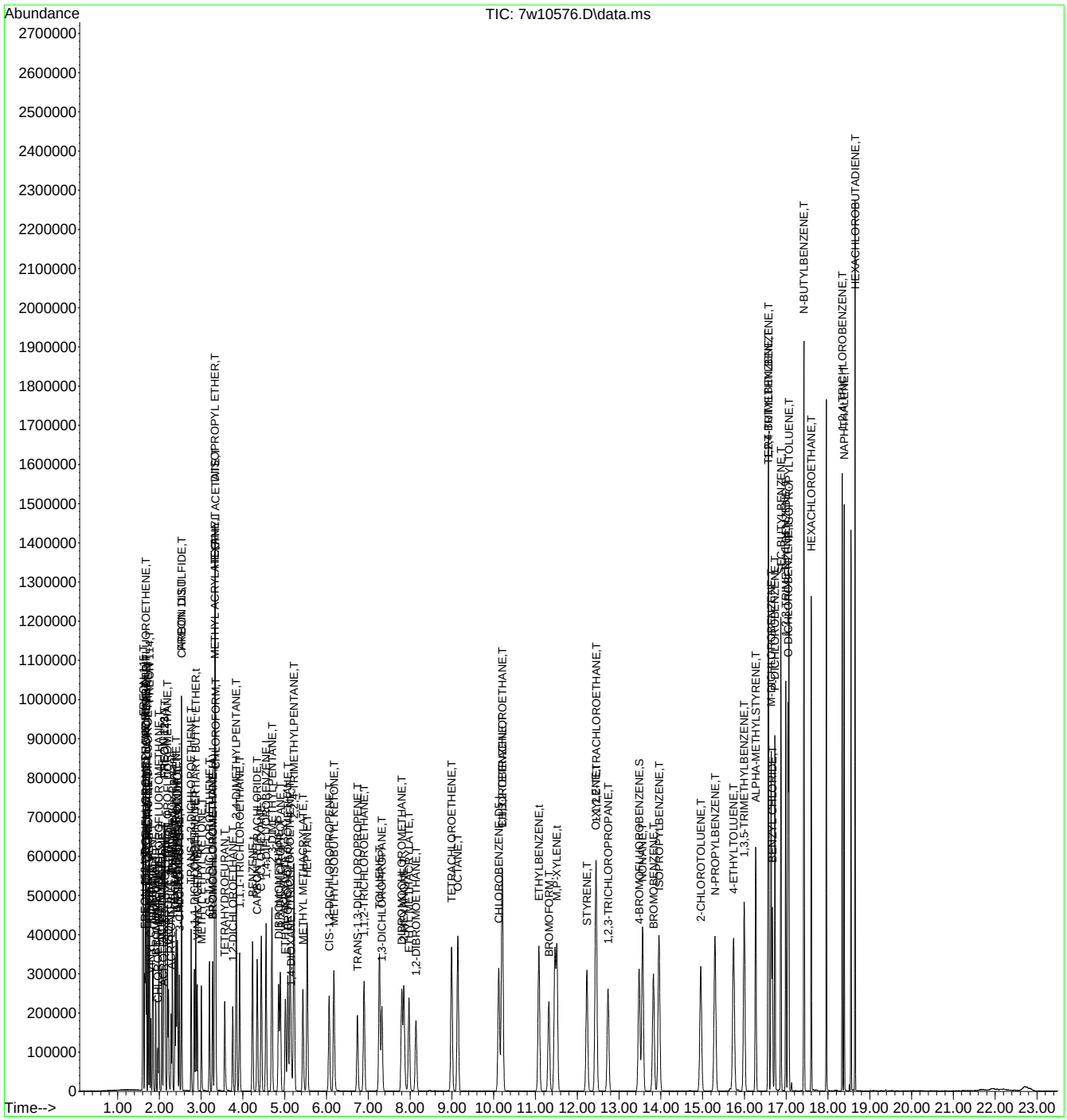
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10576.D
Acq On : 18 Nov 2024 9:35 am
Operator : bkim
Sample : cc305-10 Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:25:37 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 11/25/24 17:07

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V7W392\
Data File : 7w10743.D
Acq On : 25 Nov 2024 9:11 am
Operator : williamc
Sample : cc305-10 Inst : MS7W
Misc : MS87372,v7w392,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 21:29:53 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.274	128	72713	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.553	114	383789	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.122	117	314273	10.00	PPBV	0.00
109) BROMOCHLOROMETHANE (A)	3.274	128	72713	10.00	PPBV	0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	13.482	95	225172	9.77	PPBV	0.00
Target Compounds						Qvalue
2) FREON 115	1.621	119	124218	13.3206	PPBV	95
3) FREON 152A	1.650	65	65766	13.0643	PPBV	94
4) CHLORODIFLUOROMETHANE	1.663	67	28304	11.6593	PPBV	95
5) CHLOROTRIFLUOROETHENE	1.676	116	133573	11.3211	PPBV	85
6) DICHLORODIFLUOROMETHANE	1.692	85	309467	10.6137	PPBV	99
7) PROPYLENE	1.673	41	82127	11.7885	PPBV	98
8) 1-CHLORO-1,1-DIFLUOROE...	1.730	65	265152	10.8615	PPBV	97
9) FREON 114	1.766	85	287257	11.5817	PPBV	96
10) CHLOROMETHANE	1.737	52	39678	10.5064	PPBV	99
11) VINYL CHLORIDE	1.798	62	137113	11.8085	PPBV	100
12) 1,3-BUTADIENE	1.840	54	109490	11.5983	PPBV	93
13) N-BUTANE	1.856	43	197186	11.4379	PPBV	99
14) BROMOMETHANE	1.914	94	96846	10.4304	PPBV	99
15) CHLOROETHANE	1.965	64	67594	11.3665	PPBV	98
16) DICHLOROFLUOROMETHANE	1.991	67	252271	11.0997	PPBV	99
17) ACETONITRILE	2.062	41	111438	9.8717	PPBV	100
18) ACROLEIN	2.100	56	56560	9.9799	PPBV	98
19) FREON 123	2.113	83	250554	10.8489	PPBV	99
20) FREON 123A	2.129	117	139203	10.5076	PPBV	88
21) TRICHLOROFLUOROMETHANE	2.197	101	262872	10.0537	PPBV	99
22) ISOPROPYL ALCOHOL	2.219	45	245998	9.9886	PPBV	98
23) ACETONE	2.139	58	69188	10.3086	PPBV	85
24) PENTANE	2.312	42	135548	10.8352	PPBV	96
25) IODOMETHANE	2.373	142	236333	10.4784	PPBV	98
26) 1,1-DICHLOROETHYLENE	2.399	96	104831	10.7743	PPBV	93
27) CARBON DISULFIDE	2.534	76	314081m	11.0767	PPBV	
28) ETHANOL	1.997	45	71616	10.6426	PPBV	99
29) BROMOETHENE	2.068	106	93881	10.5726	PPBV	98
30) ACRYLONITRILE	2.283	52	94413	10.3426	PPBV	98
31) METHYLENE CHLORIDE	2.438	84	100876	10.0735	PPBV	99
32) 3-CHLOROPROPENE	2.476	76	55680	10.8661	PPBV	94
33) FREON 113	2.531	151	146739	9.5832	PPBV	91
34) TRANS-1,2-DICHLOROETHENE	2.759	96	100171	10.5563	PPBV	95
35) TERTIARY BUTYL ALCOHOL	2.425	59	251539	10.6405	PPBV	96
36) METHYL TERTIARY BUTYL ...	2.872	73	281716	11.8165	PPBV	99
37) TETRAHYDROFURAN	3.563	72	53016	11.6703	PPBV	96
38) HEXANE	3.325	57	218443	11.0073	PPBV	93
39) VINYL ACETATE	2.907	86	24929	11.4864	PPBV	81
40) 1,1-DICHLOROETHANE	2.836	63	221068	12.5022	PPBV	99
41) METHYL ETHYL KETONE	3.004	72	57471	11.8839	PPBV	89
42) CIS-1,2-DICHLOROETHENE	3.200	96	114625	11.3902	PPBV	98
43) DIISOPROPYL ETHER	3.332	59	61884	11.9841	PPBV	85
44) ETHYL ACETATE	3.338	61	44813	11.8159	PPBV	79
45) METHYL ACRYLATE	3.322	55	257381	11.8406	PPBV #	26
46) CHLOROFORM	3.348	83	228133	11.2090	PPBV	98
47) 2,4-DIMETHYLPENTANE	3.840	57	249533	11.7545	PPBV	98
48) 1,1,1-TRICHLOROETHANE	3.920	97	217871	11.7595	PPBV	98
49) CARBON TETRACHLORIDE	4.338	117	215033	11.8240	PPBV	98

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V7W392\
Data File : 7w10743.D
Acq On : 25 Nov 2024 9:11 am
Operator : williamc
Sample : cc305-10 Inst : MS7W
Misc : MS87372,v7w392,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 21:29:53 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
50) 1,2-DICHLOROETHANE	3.753	62	173683	11.2520	PPBV		99
51) BENZENE	4.229	78	334442	11.1657	PPBV		98
53) CYCLOHEXANE	4.438	84	150415	11.0964	PPBV		99
54) 2,3-DIMETHYLPENTANE	4.692	71	78602	11.3231	PPBV		96
55) TRICHLOROETHENE	5.126	95	150275	10.2234	PPBV		98
56) 1,2-DICHLOROPROPANE	4.894	63	148037	11.3210	PPBV		96
57) DIBROMOMETHANE	4.852	174	127543	10.3404	PPBV		97
58) ETHYL ACRYLATE	5.013	55	310535	11.0623	PPBV		99
59) BROMODICHLOROMETHANE	5.071	83	246347	10.9211	PPBV		100
60) 2,2,4-TRIMETHYLPENTANE	5.222	57	676249	10.8857	PPBV		98
61) 1,4-DIOXANE	5.151	88	80126	9.9600	PPBV	#	95
62) HEPTANE	5.537	43	222238	10.1905	PPBV		95
63) METHYL METHACRYLATE	5.434	69	129696	11.0470	PPBV		95
64) METHYL ISOBUTYL KETONE	6.177	58	134511	10.0193	PPBV		91
65) CIS-1,3-DICHLOROPROPENE	6.061	75	200693	11.9759	PPBV		91
66) TOLUENE	7.267	91	404008	9.8938	PPBV		99
67) 1,3-DICHLOROPROPANE	7.325	76	209319	10.4335	PPBV		100
68) TRANS-1,3-DICHLOROPROPENE	6.740	75	166232	12.0926	PPBV		91
69) 1,1,2-TRICHLOROETHANE	6.897	83	123583	11.0697	PPBV		98
70) 2-HEXANONE	7.846	58	186755	9.1146	PPBV		91
71) ETHYL METHACRYLATE	7.971	69	210548	10.8444	PPBV		96
72) TETRACHLOROETHENE	8.994	164	158430	10.8586	PPBV		97
73) DIBROMOCHLOROMETHANE	7.798	129	232603	10.8761	PPBV		100
74) 1,2-DIBROMOETHANE	8.138	107	222069	11.2912	PPBV		99
75) OCTANE	9.142	43	309112	9.4227	PPBV		96
77) 1,1,1,2-TETRACHLOROETHANE	10.212	131	172209	12.7766	PPBV		96
78) CHLOROBENZENE	10.196	112	333442	10.9606	PPBV		100
79) ETHYLBENZENE	11.080	91	532047	10.6692	PPBV		96
80) M,P-XYLENE	11.508	91	818693	20.7842	PPBV		98
81) O-XYLENE	12.444	91	420763	10.6396	PPBV		97
82) STYRENE	12.232	104	322337	11.2653	PPBV		98
83) NONANE	13.563	43	327222	10.4623	PPBV		94
84) BROMOFORM	11.322	173	202757	11.8558	PPBV		99
85) 1,1,2,2-TETRACHLOROETHANE	12.457	83	324802	11.6603	PPBV		99
86) 1,2,3-TRICHLOROPROPANE	12.740	75	245284	10.9040	PPBV		100
88) ISOPROPYLBENZENE	13.952	120	164061	10.9524	PPBV		96
89) BROMOBENZENE	13.823	77	297385	10.4941	PPBV		98
90) 2-CHLOROTOLUENE	14.958	126	147296	10.7262	PPBV		99
91) N-PROPYLBENZENE	15.296	120	172351	11.1740	PPBV		98
92) 4-ETHYLTOLUENE	15.743	105	604172	11.0635	PPBV		99
93) 1,3,5-TRIMETHYLBENZENE	15.997	105	495028	10.7735	PPBV		98
94) ALPHA-METHYLSTYRENE	16.270	118	253766	10.3938	PPBV		99
95) TERT-BUTYLBENZENE	16.572	134	124432	11.3208	PPBV		95
96) 1,2,4-TRIMETHYLBENZENE	16.579	105	527071	10.9768	PPBV		99
97) BENZYL CHLORIDE	16.669	91	298306	21.3491	PPBV		97
98) M-DICHLOROBENZENE	16.640	146	348032	10.8608	PPBV		98
99) P-DICHLOROBENZENE	16.733	146	352021	11.0758	PPBV		98
100) O-DICHLOROBENZENE	17.045	146	330611	10.7733	PPBV		98
101) SEC-BUTYLBENZENE	16.874	134	158601	11.4649	PPBV		92
102) 1,2,3-TRIMETHYLBENZENE	16.990	105	507380	10.4370	PPBV		98
103) P-ISOPROPYLTOLUENE	17.064	134	175712	11.3829	PPBV		92
104) N-BUTYLBENZENE	17.424	134	173477	11.3217	PPBV		92
105) HEXACHLOROETHANE	17.601	117	191640	12.8875	PPBV		95
106) HEXACHLOROBUTADIENE	18.656	225	269973	11.7090	PPBV		99
107) 1,2,4-TRICHLOROBENZENE	18.347	180	332707	10.8304	PPBV		99
108) NAPHTHALENE	18.395	128	752557	9.3766	PPBV		100
110) TVHC as equiv Pentane	2.312	TIC	649553	10.2923	PPBV		100

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V7W392\
Data File : 7w10743.D
Acq On : 25 Nov 2024 9:11 am
Operator : williamc
Sample : cc305-10 Inst : MS7W
Misc : MS87372,v7w392,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 21:29:53 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

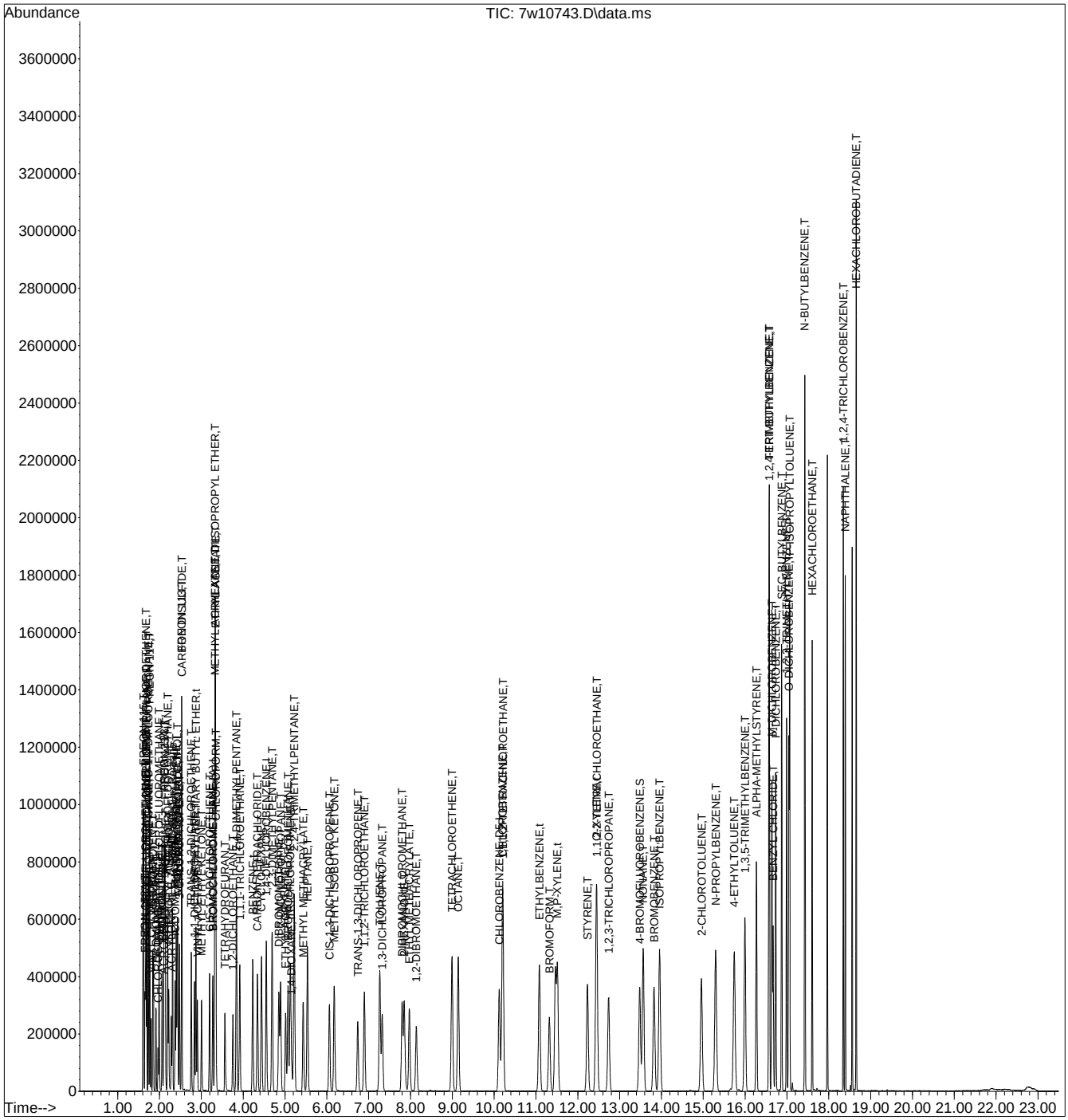
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V7W392\
Data File : 7w10743.D
Acq On : 25 Nov 2024 9:11 am
Operator : williamc
Sample : cc305-10 Inst : MS7W
Misc : MS87372,v7w392,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 21:29:53 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



Manual Integration Approval Summary

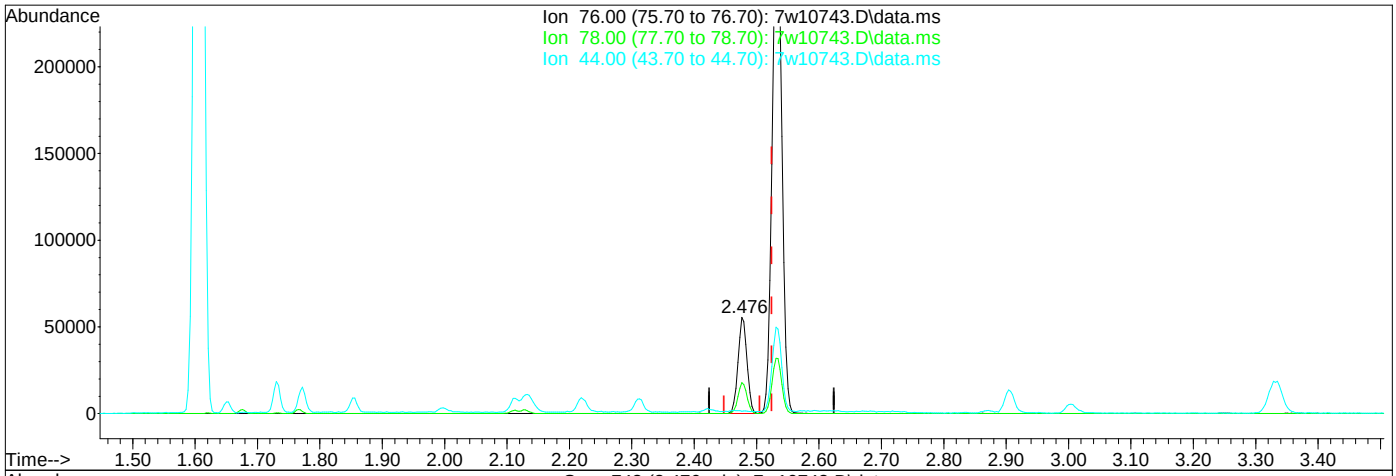
Sample Number:	V7W392-CC305	**Method:**	TO-15
Lab FileID:	7W10743.D	**Analyst approved:**	11/25/24 16:53 Geralyn Gomez
Injection Time:	11/25/24 09:11	**Supervisor approved:**	11/25/24 17:07 Kanya Veerawat

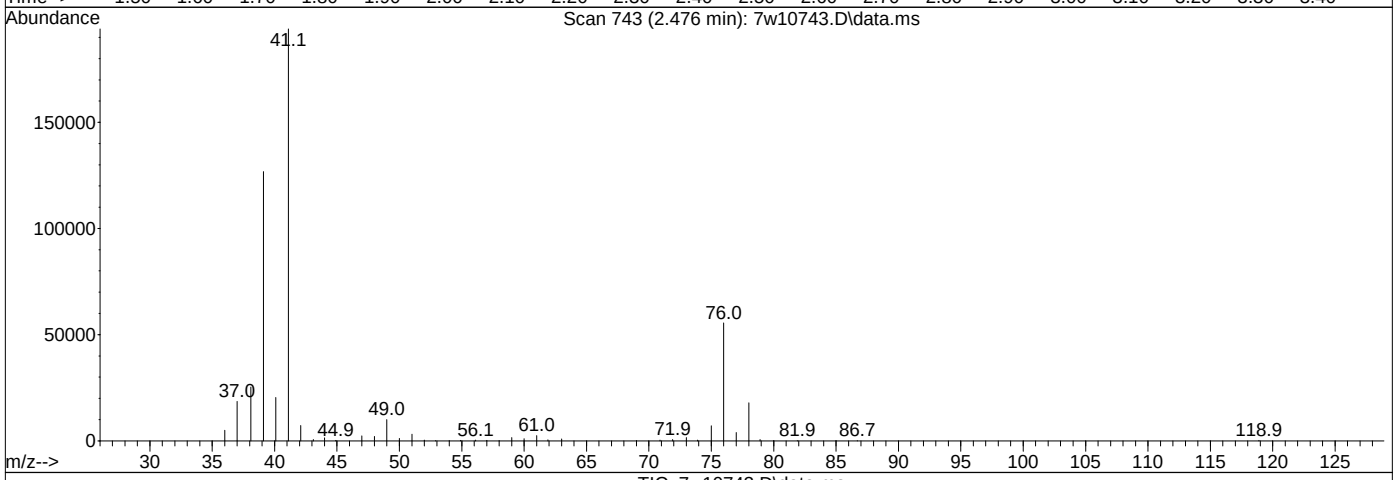
Parameter	CAS	Sig#	R.T. (min.)	Reason
Carbon disulfide	75-15-0		2.53	Missed peak

Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V7W392\
Data File : 7w10743.D
Acq On : 25 Nov 2024 9:11 am
Operator : williamc
Sample : cc305-10 Inst : MS7W
Misc : MS87372,v7w392,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 20:58:12 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration





TIC: 7w10743.D\data.ms

(27) CARBON DISULFIDE (T)

2.476min (-0.048) 1.97PPBV

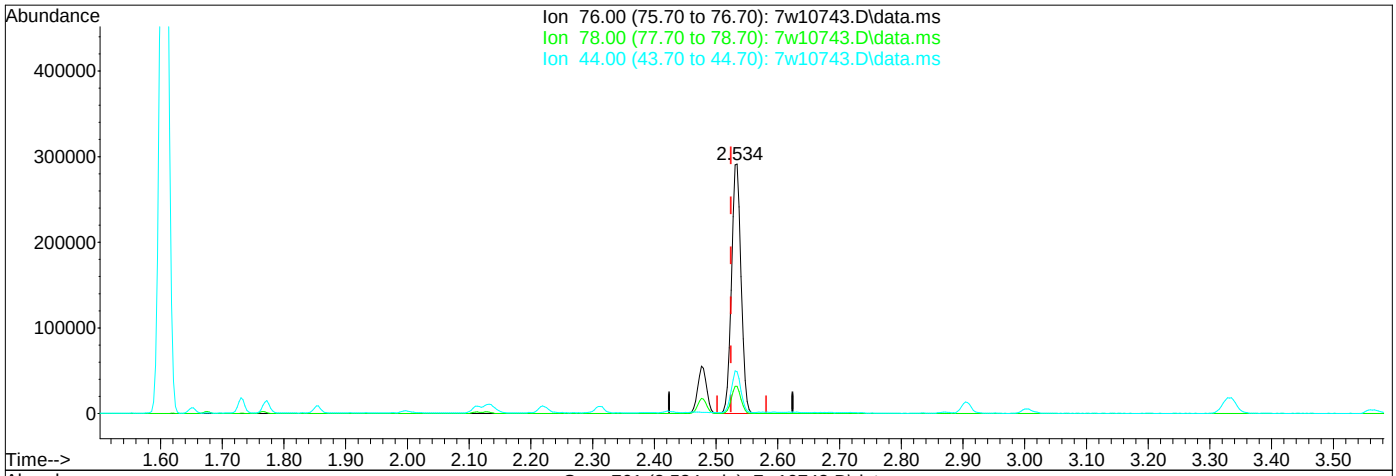
response 55719

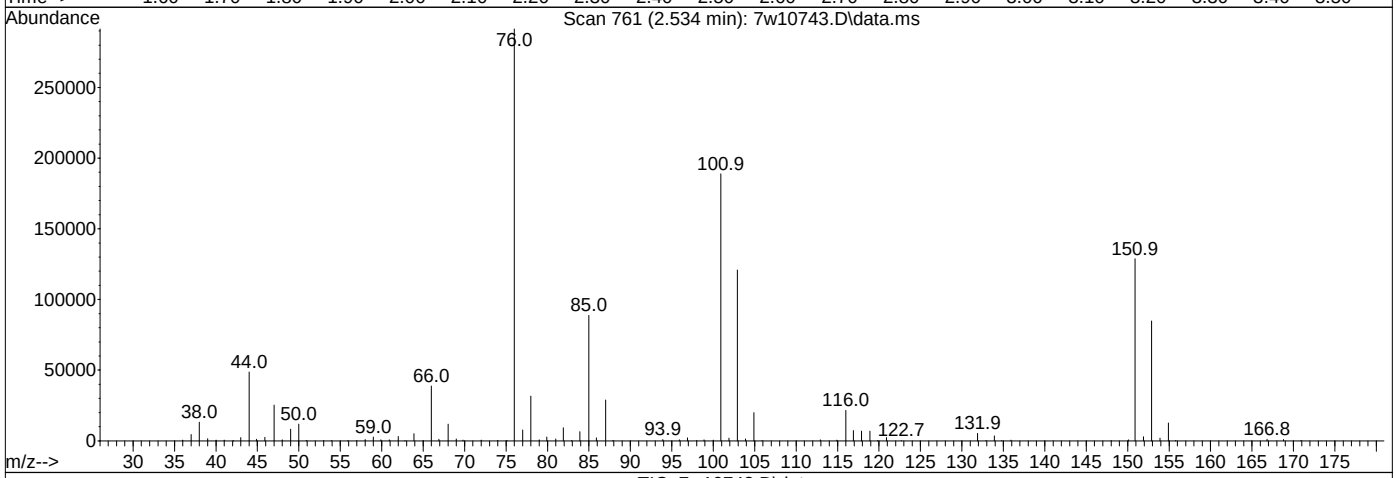
Ion	Exp%	Act%
76.00	100	100
78.00	11.40	32.48#
44.00	19.10	1.91#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V7W392\
Data File : 7w10743.D
Acq On : 25 Nov 2024 9:11 am
Operator : williamc
Sample : cc305-10 Inst : MS7W
Misc : MS87372,v7w392,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 20:58:12 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration





TIC: 7w10743.D\data.ms

(27) CARBON DISULFIDE (T)

2.534min (+0.010) 11.08PPBV m

response 314081

Ion	Exp%	Act%
76.00	100	100
78.00	11.40	5.76#
44.00	19.10	0.34#
0.00	0.00	0.00

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	A1739	AS9819	12/31/2024	100
TO-15 STD	A1784	AS10508	12/30/2024	0.5
TO-15 STD	A2040	AS10510	1/5/2025	5.0
TO-15 STD	A1788	AS10499	12/28/2024	50
TO-15 LCS	A1795	AS10507	12/29/2024	50
TO-15 LCS (Stock)	CC-305926	AS10352	6/12/2025	1000
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: V5W2125
Date: 12/8/2024
Laboratory Analyst: Benjamin Kim
Columns: Rtx-1 (60m x 0.32mm x 1.0um)
GCMS Method: 5WTO15.M
Sequence File: 5W20241208ical.S
Initial Calibration Method: M5W2125.M
Concentrator Method: 5WTO15A.CTD3
Data Validator(s): Thomas Hilbig

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS
1-6	ib	5w55453			A2040	20					-	
1-3	ib	5w55454			A1784	20					-	
1-2	ib	5w55455			A959	20					-	
1-2	ib	5w55456			A959	20					-	
1-2	ib	5w55457			A959	20					-	
1-3	bfb	5w55458			A1784	32					OK	T = 10:53
1-3	ic2125-0.04	5w55459			A1784	32			√	√	OK	
1-3	ic2125-0.1	5w55460			A1784	80			√	√	OK	
1-3	ic2125-0.2	5w55461			A1784	160			√	√	OK	
1-3	ic2125-0.5	5w55462			A1784	400					NOT USED	Testing Purposes
1-6	ic2125-0.5	5w55463			A2040	40			√	√	OK	
1-6	ic2125-5	5w55464			A2040	400			√	√	OK	
1-1	ic2125-5	5w55465			A1788	40					NOT USED	Testing Purposes
1-1	icc2125-10	5w55466			A1788	80			√	√	OK	
1-1	ic2125-20	5w55467			A1788	160			√	√	OK	
1-1	ic2125-40	5w55468			A1788	320			√	√	OK	
1-1	ic2125-50	5w55469			A1788	400			√	√	OK	
1-2	ib	5w55470			A959	200					-	
1-2	ib	5w55471			A959	100					-	
1-5	icv2125-10	5w55472			A1795	80					RR	Nap ↑
1-5	icv2125-10	5w55473			A1795	80			√	√	OK	

CANISTER SECONDARY DILUTION LOG

Pressure Gauge ID: TG -		5	Original Canister Dilution				Secondary Canister Dilution						
Date	**Initial**	**Sample ID**	**Canister SN**	**Vacuum at Time of Dilution (inHg)**	**Final Pressure (psig)**	**Dilution Factor**	**Canister SN**	**Canister Volume (cc)**	**Sample Volume Added (cc)**	**Final Pressure (psig)**	**Equivalent Total Volume (cc)**	**Dilution Factor**	**Final Canister Dilution Factor**

Definition: Final Canister Dilution Factor (DF) = (Original Canister DF) x (Secondary Canister DF)
Dilution Factor at Instrument = Final Canister Dilution Factor x [Nominal Sampling Volume (cc) / Sample Volume Injected (cc)]

Example: Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig (750cc equivalent volume). This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister, 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20 (from canister dilution) and 20 (from instrument dilution) = 400.

Notes:

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	A1739	AS9819	12/31/2024	100
TO-15 STD	A974	AS10497	12/28/2024	50
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: V5W2136
Date: 12/20/2024
Laboratory Analyst: Thomas Hilbig
Columns: Rtx-1 (60m x 0.32mm x 1.0um)
GCMS Method: 5WTO15.M
Sequence File: 5W20241220.S
Initial Calibration Method: M5W2125.M
Concentrator Method: 5WTO15A.CTD3
Data Validator(s): Lucky Carandang

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS
1-2	bfb	5w55775			a2039	20					RR	
1-1	cc2125-10	5w55776			A974	80					NG	Multiple compounds ↑ retune instrument.
1-2	bfb	5w55777			a2039	20					OK	T = 10:31
1-1	cc2125-10	5w55778			A974	80			√	√	OK	F115 ↑, acetone ↓, THF ↑, MEK ↑, EACE ↑, DBM ↑, BMF ↑, HCBD ↑, 124TCB ↑
1-1	bs	5w55779			A974	80			√	√	OK	F115 ↑, 1,3-butadiene ↓, acetone ↓, THF ↑, MEK ↑, DBM ↑, BMF ↑, HCBD ↑, 124TCB ↑
1-1	bsd	5w55780			A974	80					RR	
1-1	bsd	5w55781			A974	80			√	√	OK	1,3-butadiene ↑, butane ↑, BRM ↑, CE ↑, ACNIT ↑, ACE ↑, EtOH ↑, THF ↑, MEK ↑, DBM ↑, EMC ↑, BMF ↑, HCBD ↑, 124TCB ↑
1-2	ib	5w55782			a2039	400					-	
1-2	mb	5w55783			a2039	400			√	√	OK	
1-3	je2665-1	5w55784	MS88187	STD, Nap	a2388	100	1		√	√	OK	
1-3	je2665-1dup	5w55785	MS88187	STD, Nap	a2388	100	1		√	√	OK	
1-4	je2489-2	5w55786	MS88104	NYLL	a1629	725	1.45		√	√	OK	
1-4	je2489-2	5w55787	MS88104	NYLL	a1629	100	1.45		√	√	OK	
1-5	je2489-3	5w55788	MS88104	NYSVLL	a1641	400	1		√	√	OK	
1-6	je2489-4	5w55789	MS88104	NYLL	a1190	740	1.48		√	√	OK	
1-7	je2490-1	5w55790	MS88104	NYSVLL	a761	80	1		√	√	OK	f/d
1-8	je2490-2	5w55791	MS88104	NYLL	a1736	725	1.45		√	√	OK	
1-8	je2490-2	5w55792	MS88104	NYLL	a1736	10	1.45		√	√	OK	
1-9	je2490-3	5w55793	MS88104	NYSVLL	a1293	200	1		√	√	OK	
1-10	je2490-4	5w55794	MS88104	NYLL	a2540	20	1		√	√	OK	
1-11	je2491-1	5w55795	MS88104	NYSVLL	a1726	100	1		√	√	OK	
1-12	je2491-2	5w55796	MS88104	NYLL	a1735	10	1		√	√	OK	f/d
1-13	je2491-3	5w55797	MS88104	NYSVLL	a1480	200	1		√	√	OK	
1-14	je2491-4	5w55798	MS88104	NYLL	a1688	10	1		√	√	OK	f/d
1-15	je2670-1	5w55799	MS88187	8010L	a1867	400	1		√	√	OK	
1-16	je2670-2	5w55800	MS88187	8010L	a1339	400	1		√	√	OK	

CANISTER SECONDARY DILUTION LOG

Pressure Gauge ID: TG -		5	Original Canister Dilution				Secondary Canister Dilution						
Date	**Initial**	**Sample ID**	**Canister SN**	**Vacuum at Time of Dilution (inHg)**	**Final Pressure (psig)**	**Dilution Factor**	**Canister SN**	**Canister Volume (cc)**	**Sample Volume Added (cc)**	**Final Pressure (psig)**	**Equivalent Total Volume (cc)**	**Dilution Factor**	**Final Canister Dilution Factor**
12/20/2024	TH	je2489-2	a1629	7.5	1.30	1.45					0	#DIV/0!	**1.45**
12/20/2024	TH	je2489-4	a1190	8.0	1.20	1.48					0	#DIV/0!	**1.48**
12/20/2024	TH	je2490-2	a1736	7.5	1.30	1.45					0	#DIV/0!	**1.45**

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	A1739	AS9819	12/31/2024	100
TO-15 STD	A974	AS10497	12/28/2024	50
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: **V5W2136**
Date: **12/20/2024**
Laboratory Analyst: **Thomas Hilbig**
Columns: Rtx-1 (60m x 0.32mm x 1.0um)
GCMS Method: 5WTO15.M
Sequence File: 5W20241220.S
Initial Calibration Method: M5W2125.M
Concentrator Method: 5WTO15A.CTD3
Data Validator(s): **Lucky Carandang**

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS
Definition:	Final Canister Dilution Factor (DF) = (Original Canister DF) x (Secondary Canister DF) Dilution Factor at Instrument = Final Canister Dilution Factor x [Nominal Sampling Volume (cc) / Sample Volume Injected (cc)]											
Example:	Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig (750cc equivalent volume). This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister, 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20 (from canister dilution) and 20 (from instrument dilution) = 400.											
Notes:												

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	A1739	AS9819	12/31/2024	100
TO-15 STD	A974	AS10497	12/28/2024	50
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: V5W2138
Date: 12/23/2024
Laboratory Analyst: Thomas Hilbig
Columns: Rtx-1 (60m x 0.32mm x 1.0um)
GCMS Method: 5WTO15.M
Sequence File: 5W20241223.S
Initial Calibration Method: M5W2125.M
Concentrator Method: 5WTO15A.CTD3
Data Validator(s): Geralyn Gomez
Data Validator(s): Kristel Valladolid

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS
1-2	bfb	5w55817			a2039	20					RR	
1-1	bfb	5w55818			A974	80					OK	T = 08:13
1-1	cc2125-10	5w55819			A974	80			√	√	OK	BMF ↑, HCBD ↑, 124TCB ↑
1-1	bs	5w55820			A974	80			√	√	OK	BMF ↑, HCBD ↑, 124TCB ↑
1-1	bsd	5w55821			A974	80			√	√	OK	BMF ↑, HCBD ↑, 124TCB ↑
1-2	ib	5w55822			a2039	400			√	√	OK	
1-2	mb	5w55823			a2039	400			√	√	OK	
1-2	scc,cp12951	5w55824			a1634	400			√	√	OK	
1-3	je2315-1	5w55825	MS88014	STD	a210	400	1		√	√	OK	
1-3	je2315-1dup	5w55826	MS88014	STD	a210	400	1		√	√	OK	
1-4	je2487-1	5w55827	MS88104	NYSVLL, Nap	m140	100	1		√	√	OK	
1-5	je2487-5	5w55828	MS88104	NYSVLL, Nap	a1597	100	1		√	√	OK	
1-6	je2489-1	5w55829	MS88104	NYSVLL, Nap	a231	400	1		√	√	OK	
1-7	je2490-1	5w55830	MS88104	NYSVLL, Nap	a1761	20	1		√	√	OK	
1-8	je2491-2	5w55831	MS88104	NYLL, Nap	a1735,m442	200	135		√	√	OK	
1-9	je2491-4	5w55832	MS88104	NYLL, Nap	a1688	5	1		√	√	OK/DL	Acetate ↑ RR 200x
1-10	je2661-3	5w55833	MS88187	STD	a664	400	1		√	√	OK	
1-11	je2661-4	5w55834	MS88187	STD	m116	400	1		√	√	OK	
1-12	je2661-5	5w55835	MS88187	STD	a2137	400	1		√	√	OK	
1-13	je2792-1	5w55836	MS88386	STD	a738	400	1		√	√	OK	
1-14	je2792-2	5w55837	MS88386	STD	a2109	400	1		√	√	OK	
1-15	je2792-3	5w55838	MS88386	STD	a1817	400	1		√	√	OK/DL	Ethyl acetate ↑ RR 100mL
1-16	je2792-4	5w55839	MS88386	STD	a1873	720	1.8		√	√	OK	
1-2	je2792-5	5w55840	MS88386	STD	m137	400	1				RR	Canister valve closed.

CANISTER SECONDARY DILUTION LOG

Pressure Gauge ID: TG -		5	Original Canister Dilution				Secondary Canister Dilution						
Date	**Initial**	**Sample ID**	**Canister SN**	**Vacuum at Time of Dilution (inHg)**	**Final Pressure (psig)**	**Dilution Factor**	**Canister SN**	**Canister Volume (cc)**	**Sample Volume Added (cc)**	**Final Pressure (psig)**	**Equivalent Total Volume (cc)**	**Dilution Factor**	**Final Canister Dilution Factor**
12/23/2024	TH	je2491-2	a1735	6.0	1.20	1.35	m442	1000	20	14.7	2000	100	**135**

Definition: Final Canister Dilution Factor (DF) = (Original Canister DF) x (Secondary Canister DF)
Dilution Factor at Instrument = Final Canister Dilution Factor x [Nominal Sampling Volume (cc) / Sample Volume Injected (cc)]

Example: Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig (750cc equivalent volume). This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister, 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20 (from canister dilution) and 20 (from instrument dilution) = 400.

Notes:

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Conc. (ppbv)**
Internal/Surrogate	1738	AS10298	5/31/2025	100
TO-15 STD	A2038	AS10402	9/18/2024	0.5
TO-15 STD	A2045	AS10401	9/18/2024	5.0
TO-15 STD	A1805	AS10384	9/14/2024	50
TO-15 LCS	A1795	AS10393	9/15/2024	50
TO-15 LCS (Stock)	CC-305926	AS10352	6/12/2025	1000
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: V7W305
Date: 8/18/2024
Laboratory Analyst: Benjamin Kim
Columns: Rtx-1 (60mx0.32mmx1.0um)
GCMS Method: 7WTO15SPLIT.M
Sequence File: 7W20240818ical.S
Initial Calibration Method: M7W305.M
Concentrator Method: 7WTO15.7200A.CTD
Data Validator: Benjamin Kim

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS
2-5	ib	7w07973			A2036	100					-	
2-1	bfb	7w07974			A2038	32					OK	T = 21:06
2-1	ic305-0.04	7w07975	MS80966	STD+NAP	A2038	32			√	√	OK	
2-1	ic305-0.1	7w07976	MS80966	STD+NAP	A2038	80			√	√	OK	
2-1	ic305-0.2	7w07977	MS80966	STD+NAP	A2038	160			√	√	OK	
2-2	ic305-0.5	7w07978	MS80966	STD+NAP	A2045	40			√	√	OK	
2-2	ic305-5	7w07979	MS80966	STD+NAP	A2045	400			√	√	OK	
2-3	icc305-10	7w07980	MS80966	STD+NAP	A1805	80			√	√	OK	
2-3	ic305-20	7w07981	MS80966	STD+NAP	A1805	160			√	√	OK	
2-3	ic305-40	7w07982	MS80966	STD+NAP	A1805	320			√	√	OK	
2-3	ic305-50	7w07983	MS80966	STD+NAP	A1805	400			√	√	OK	
2-5	ib	7w07984			A2036	20					-	
2-5	ib	7w07985			A2036	100					-	
2-4	icv305-10	7w07986	MS80966	STD+NAP	A1795	100					NOT USED	Wrong volume.
2-5	ib	7w07987			A2036	100					-	
2-5	ib	7w07988			A2036	100					-	
2-5	ib	7w07989			A2036	100					-	
2-4	icv305-10	7w07990	MS80966	STD+NAP	A1795	80			√	√	OK	↑ Benzyl Chloride

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	1738	AS10298	5/31/2025	100
TO-15 STD	A2041	AS10458	10/28/2024	50
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: V7W369
Date: 10/25/2024
Laboratory Analyst: Thomas Hilbig
Column DB-1: 30m x 0.25mm x 0.5um
GCMS Method: 7WTO15SPLIT.M
Sequence File: 7W20241025.S
Initial Calibration Method: M7W305.M
Concentrator Method: 7WTO15C.7200A.CTD
Data Validator(s): Kristel Valladolid

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS
C1	bfb	7w09947			a2036	20					OK	T = 10:24
C2	cc305-10	7w09948			a2041	80					OK	↑ Benzyl Chloride
C2	bs	7w09949			a2041	80					OK	↑ Benzyl Chloride
C2	bsd	7w09950			a2041	80					OK	↑ Benzyl Chloride
C1	ib	7w09951			a2036	100					-	
C1	mb	7w09952			a2036	400		+			OK	
C3	jd98542-2	7w09953	MS96396	STD+, Nap	a2343,a1136	400	216	+			OK	
A1	jd98542-1	7w09954	MS96396	STD+, Nap	a2412	10	1.08	+			OK	
A2	jd98520-2	7w09955	MS96396	STD	a1906	10	1				OK	
A3	jd98520-3	7w09956	MS96396	STD	a1417	20	1				OK	
C4	jd98774-1	7w09957	MS86469	SL1	a1832	400	1				RR/FD	
C4	jd98774-1dup	7w09958	MS86469	SL1	a1832	400	1				OK	
C5	jd97610-9	7w09959	MS86411	STD	a309	400	1				OK	
C6	jd97610-5	7w09960	MS86411	STD	a2015	400	1				RR/FD	
C7	jd98127-3	7w09961	MS86212	SL	a2062	400	1				OK	
C8	jd98117-1	7w09962	MS86212	STD, Nap	a324	400	1				OK	
C9	jd98117-2	7w09963	MS86212	STD, Nap	a1826	400	1				RR/FD	
D1	jd98117-3	7w09964	MS86212	STD, Nap	a646	400	1				RR/FD	
D2	jd98117-4	7w09965	MS86212	STD, Nap	a347	400	1				RR/FD	
A4	jd98127-1	7w09966	MS86212	STD	a1943	100	1				OK	
D9	jd98127-2	7w09967	MS86212	STD	a1378	100	1				OK	MI on 4-bromofluorobenzene and Chlorobenzene-d5
A6	jd98636-1	7w09968	MS96396	STD	a2340	100	1				OK	
A7	jd98636-2	7w09969	MS96396	STD	a2267	100	1				OK	
A8	jd98636-3	7w09970	MS96396	STD	a2583	100	1				NG	Bad purged
A9	jd98117-29	7w09971	MS86212	STD, Nap	a2555	20	1				OK	
A10	jd98117-30	7w09972	MS86212	STD, Nap	a2404	100	1				OK	
B1	jd98117-31	7w09973	MS86212	STD, Nap	a1572	10	1				RR/FD	
D3	scc,cp12889	7w09974			a2142	400					RECLEAN	
D4	scc,cp12889	7w09975			a1088	400					RECLEAN	
D5	scc,cp12889	7w09976			a1638	400					OK	
D6	scc,cp12902	7w09977			m139	400					OK	
D7	scc,cp12902	7w09978			a1731	400					OK	
D8	scc,cp12902	7w09979			a1725	400					OK	

CANISTER SECONDARY DILUTION LOG

Pressure Gauge ID: TG -		5	Original Canister Dilution				Secondary Canister Dilution						
Date	**Initial**	**Sample ID**	**Canister SN**	**Vacuum at Time of Dilution (inHg)**	**Final Pressure (psig)**	**Dilution Factor**	**Canister SN**	**Canister Volume (cc)**	**Sample Volume Added (cc)**	**Final Pressure (psig)**	**Equivalent Total Volume (cc)**	**Dilution Factor**	**Final Canister Dilution Factor**
10/24/2024	TH	jd98542-2	a2343	0.0	1.20	1.08	a1136	1000	10	14.7	2000	200	**216**

Definition: Final Canister Dilution Factor (DF) = (Original Canister DF) x (Secondary Canister DF)
Dilution Factor at Instrument = Final Canister Dilution Factor x [Nominal Sampling Volume (cc) / Sample Volume Injected (cc)]

Example: Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig (750cc equivalent volume). This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister, 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20 (from canister dilution) and 20 (from instrument dilution) = 400.

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	1738	AS10298	5/31/2025	100
TO-15 STD	A2041	AS10458	10/28/2024	50
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: **V7W369**
Date: **10/25/2024**
Laboratory Analyst: **Thomas Hilbig**
Column DB-1: 30m x 0.25mm x 0.5um
GCMS Method: 7WTO15SPLIT.M
Sequence File: 7W20241025.S
Initial Calibration Method: M7W305.M
Concentrator Method: 7WTO15C.7200A.CTD
Data Validator(s): **Kristel Valladolid**

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS

Notes:

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	1738	AS10298	5/31/2025	100
TO-15 STD	a1805	AS10476	11/28/2024	50
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: V7W387
Date: 11/18//2024
Laboratory Analyst: Thomas Hilbig
Column DB-1: 30m x 0.25mm x 0.5um
GCMS Method: 7WTO15SPLIT.M
Sequence File: 7W20241118.S
Initial Calibration Method: M7W305.M
Concentrator Method: 7WTO15C.7200A.CTD
Data Validator(s): Lucky Carandang
Data Validator(s): Kristel Valladolid

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS
C1	bfb	7w10575			a2039	20					OK	t = 08:59
C2	cc305-10	7w10576			a1805	80			√	√	OK	Benzyl chloride ↑, F115 ↑
C2	bs	7w10577			a1805	80			√	√	OK	Benzyl chloride ↑, F115 ↑, F152A ↑
C2	bsd	7w10578			a1805	80			√	√	OK	Benzyl chloride ↑, F115 ↑, F152A ↑
C1	ib	7w10579			a2039	100					-	
C1	mb	7w10580			a2039	400		+	√	√	OK	
C3	je571-1	7w10581	MS87221	VTO15NYLL3NG42A+20, F142B	m036	100	1		√	√	RR	Bad purge
C4	jd99820-1	7w10582	MS86930	SL1	a900	400	1		√	√	OK	
C4	jd99820-1dup	7w10583	MS86930	SL1	a900	400	1		√	√	OK	
C5	je569-1	7w10584	MS87221	STD+, Nap	a473	400	1	+	√	√	OK	
C6	je569-3	7w10585	MS87221	STD+, Nap	a345	400	1	+	√	√	RR	Bad purge
C7	je569-4	7w10586	MS87221	STD+, Nap	a1835	400	1	+	√	√	OK	
C8	je569-5	7w10587	MS87221	STD+, Nap	a1350	400	1	+	√	√	OK	
C9	je569-6	7w10588	MS87221	STD+, Nap	a1301	400	1	+	√	√	OK	
D1	je569-8	7w10589	MS87221	STD+, Nap	m226	400	1	+			RR	4-Bromofluorobenzene RT shift
D2	je569-9	7w10590	MS87221	STD+, Nap	m118	400	1	+	√	√	OK	
D3	je603-1	7w10591	MS87221	STD+, Nap	a1645	400	1	+	√	√	OK	
D4	je603-2	7w10592	MS87221	STD+, Nap	a357	400	1	+	√	√	OK	
C3	je571-1	7w10593	MS87221	VTO15NYLL3NG42A+20, F142B	m036	100	1		√	√	OK	
A1	jd435-1	7w10594	MS87175	STD, Nap	a1972	100	1		√	√	OK	
A2	jd435-5	7w10595	MS87175	STD, Nap	a2269	100	1		√	√	OK	
A3	jd435-6	7w10596	MS87175	STD, Nap	a2569	100	1		√	√	OK	
A4	jd605-1	7w10597	MS87221	STD, Nap	a2586	100	1		√	√	OK	
A5	jd605-2	7w10598	MS87221	STD, Nap	a2596	100	1		√	√	OK	
A6	jd605-3	7w10599	MS87221	STD, Nap	a2271	100	1		√	√	OK	
A7	jd99809-1	7w10600	MS86930	PAUGTMB, EDB, EDC	a1524	100	1		√	√	RR	ISTD/SURR RT shift
A8	jd99809-2	7w10601	MS86930	PAUGTMB, EDB, EDC	a2305	100	1		√	√	OK	
A9	jd99809-3	7w10602	MS86930	PAUGTMB, EDB, EDC	a2198	100	1		√	√	OK	
A10	scc, cp12923	7w10603			a2567	100			√	√	OK	
B1	scc, cp12924	7w10604			a1450	100			√	√	OK	
D5	scc, cp12922	7w10605			a779	400			√	√	OK	
D6	scc, cp12922	7w10606			a1171	400			√	√	OK	
D7	scc, cp12922	7w10607			m053	400			√	√	OK	
C6	je569-3	7w10608	MS87221	STD+, Nap	a345	400	1	+	√	√	OK	6:51

CANISTER SECONDARY DILUTION LOG

Pressure Gauge ID: TG -		5	Original Canister Dilution				Secondary Canister Dilution						
Date	**Initial**	**Sample ID**	**Canister SN**	**Vacuum at Time of Dilution (inHg)**	**Final Pressure (psig)**	**Dilution Factor**	**Canister SN**	**Canister Volume (cc)**	**Sample Volume Added (cc)**	**Final Pressure (psig)**	**Equivalent Total Volume (cc)**	**Dilution Factor**	**Final Canister Dilution Factor**

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	1738	AS10298	5/31/2025	100
TO-15 STD	a1805	AS10476	11/28/2024	50
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: **V7W387**
Date: **11/18//2024**
Laboratory Analyst: **Thomas Hilbig**
Column DB-1: 30m x 0.25mm x 0.5um
GCMS Method: 7WTO15SPLIT.M
Sequence File: 7W20241118.S
Initial Calibration Method: M7W305.M
Concentrator Method: 7WTO15C.7200A.CTD
Data Validator(s): **Lucky Carandang**
Data Validator(s): **Kristel Valladolid**

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE		Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS	

Definition:	Final Canister Dilution Factor (DF) = (Original Canister DF) x (Secondary Canister DF) Dilution Factor at Instrument = Final Canister Dilution Factor x [Nominal Sampling Volume (cc) / Sample Volume Injected (cc)]
Example:	Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig (750cc equivalent volume). This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister, 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20 (from canister dilution) and 20 (from instrument dilution) = 400.
Notes:	

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	1738	AS10298	5/31/2025	100
TO-15 STD	a1806	AS10475	11/28/2024	50
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: V7W392
Date: 11/25/2024
Laboratory Analyst: William Cruser
Column DB-1: 30m x 0.25mm x 0.5um
GCMS Method: 7WTO15SPLIT.M
Sequence File: 7W20241125.S
Initial Calibration Method: M7W305.M
Concentrator Method: 7WTO15C.7200A.CTD
Data Validator(s): Geralyn Gomez
Data Validator(s): Lucky Carandang

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE	Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS	COMMENTS
C1	bfb	7w10742			a2039	20					OK	t = 08:36
C2	cc305-10	7w10743			a1806	80			√	√	OK	Benzyl chloride ↑
C2	bs	7w10744			a1806	80			√	√	OK	Benzyl chloride ↑
C2	bsd	7w10745			a1806	80			√	√	OK	Benzyl chloride ↑
C1	ib	7w10746			a2039	100					-	
C1	mb	7w10747			a2039	100			√	√	OK	
D1	je988-1	7w10748	MS87406	STD	a673	5	1		√	√	OK	
D2	je988-2	7w10749	MS87406	STD	a1091	5	1		√	√	OK	
D3	je988-3	7w10750	MS87406	STD	a845	5	1		√	√	OK	
D4	je988-4	7w10751	MS87406	STD	a1318	5	1		√	√	OK	
D5	je988-5	7w10752	MS87406	STD	a992	400	1		√	√	OK	
A1	je994-1	7w10753	MS87406	SL	a2210	80	1		↑3		RR	surr out; istd out
A2	je994-2	7w10754	MS87406	SL	a2300	100	1		√	√	OK	
A2	je994-2dup	7w10755	MS87406	SL	a2300	100	1				RR	bad injection
A2	je994-2dup	7w10756	MS87406	SL	a2300	100	1				RR	bad injection
A3	je1061-1	7w10757	MS87455	SL	a2253	20	1		√	√	OK	
A4	je1061-3	7w10758	MS87455	SL	a2380	10	1		√	√	RR/FD	
A5	je1061-4	7w10759	MS87455	SL	a2243	10	1		√	√	RR/FD	
A6	je1061-5	7w10760	MS87455	SL	a2225	5	1		√	√	RR/FD	
A7	je1061-7	7w10761	MS87455	SL	a2287	10	1		√	√	RR/FD	
C1	ib	7w10762			a2039	20					-	
A8	je1061-2	7w10763	MS87455	SL	a2431	100	1		√	√	OK	
A9	je1061-9	7w10764	MS87455	SL	a2209	100	1		√	√	OK	
A10	je1061-10	7w10765	MS87455	SL	a2270	100	1		√	√	OK	
D6	je1061-6	7w10766	MS87455	SL	a2581,m163	400	260		√	√	OK	
D7	je1061-8	7w10767	MS87455	SL	a2587,a1758	400	266		√	√	OK	
C3	je369-3	7w10768	MS87131	SL3	a233	400	1		√	√	OK	
C4	je369-4	7w10769	MS87131	SL3	a2160	400	1		√	√	RR	low ISTD
C5	je369-5	7w10770	MS87131	SL3	a216	400	1		√	√	RR	RT shift
A1	je994-1	7w10771	MS87406	SL	a2210	100	1		√	√	OK	
C6	scc,cp12920	7w10772			a1623	400			√	√	OK	
C7	scc,cp12920	7w10773			a1689	400			√	√	OK	
C8	scc,cp12920	7w10774			a2010	400			√	√	OK	
C9	scc,cp12920	7w10775			a2095	400			√	√	OK	
D1	scc,cp12926	7w10776			a2187	400			√	√	RECLEAN	
D8	scc,cp12926	7w10777			a1858	400			√	√	OK	
D9	scc,cp12926	7w10778			a2144	400			√	√	RECLEAN	
A10	je1061-10dup	7w10779	MS87455	SL	a2270	100	1		√	√	OK	

CANISTER SECONDARY DILUTION LOG

Pressure Gauge ID: TG -		5	Original Canister Dilution				Secondary Canister Dilution						
Date	**Initial**	**Sample ID**	**Canister SN**	**Vacuum at Time of Dilution (inHg)**	**Final Pressure (psig)**	**Dilution Factor**	**Canister SN**	**Canister Volume (cc)**	**Sample Volume Added (cc)**	**Final Pressure (psig)**	**Equivalent Total Volume (cc)**	**Dilution Factor**	**Final Canister Dilution Factor**
11/25/2024	wc	je1061-6	a2581	5.0	1.20	1.30	m163	6000	50	9.8	10000	200	**260**
11/25/2024	wc	je1061-8	a2587	5.5	1.20	1.33	a1758	6000	50	9.8	10000	200	**266**

SGS

MS AIR by GCMS ANALYSIS LOG

Standard Information				
Description	**SN**	**Lot Number**	**Expiration Date**	**Concentration (ppbv)**
Internal/Surrogate	1738	AS10298	5/31/2025	100
TO-15 STD	a1806	AS10475	11/28/2024	50
TO-15 STD (Stock)	CC-267282	AS10351	6/12/2025	1000

Batch ID: V7W392
Date: 11/25/2024
Laboratory Analyst: William Cruser
Column DB-1: 30m x 0.25mm x 0.5um
GCMS Method: 7WTO15SPLIT.M
Sequence File: 7W20241125.S
Initial Calibration Method: M7W305.M
Concentrator Method: 7WTO15C.7200A.CTD
Data Validator(s): Geralyn Gomez
Data Validator(s): Lucky Carandang

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

ALS	Sample ID	Data File ID	MS Code	TEST CODE		Canister SN	Injection Volume (cc)	Dilution	TICS	Areas IS	Areas SS	STATUS		COMMENTS	

Definition: Final Canister Dilution Factor (DF) = (Original Canister DF) x (Secondary Canister DF)
Dilution Factor at Instrument = Final Canister Dilution Factor x [Nominal Sampling Volume (cc) / Sample Volume Injected (cc)]

Example: Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig (750cc equivalent volume). This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister, 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20 (from canister dilution) and 20 (from instrument dilution) = 400.

Notes:

Appendix D – Data Usability Summary Report

Groundwater & Environmental Services, Inc.

Data Usability Report for Regency

December 2024 Sampling Event

Prepared for

Prepared by

Groundwater & Environmental Services
Environmental Informatics Group
Bonnie Janowiak, Ph.D., N.R.C.C.
Principal Environmental Chemist

202 North Main Street, Suite 200
Blacksburg, VA 24060
T. 800.662.5067

January 2025

The GES Advantage

Knowledge. Innovation. Results

Table of Contents

1. Introduction 1
2. Sample Receipt 3
2.1. Pre-sampling Canister Preparation 3
2.2. COC and Field Documentation 3
3. Validation Criteria 4
3.1. Initial Calibration and Continuing Calibration Criteria 4
3.2. Evaluating Instrument Performance Check Results 4
3.3. Method Blank Samples 5
3.3.1. TO-15 5
3.4. Laboratory Accuracy 5
3.4.1. TO-15 LCS 5
3.4.2. TO-15 Deuterated Monitoring Compounds 5
3.5. Precision, Measured by Relative Percent Differences (RPDs) 6
4. Data Package Completeness 8

List of Tables:

Table 1. Data Qualifiers 2
Table 2. Summary of Summa Canister Pressures December 2024 Sampling Event 4
Table 3: BFB Ion Abundance Acceptance Criteria 5
Table 4A. Field Duplicate Precision December 2024 Sampling Event 6
Table 4B. Field Duplicate Precision December 2024 Sampling Event 7

1. Introduction

Groundwater & Environmental Services, Inc. (GES) is pleased to submit this data validation report regarding the sampling event conducted at the Shoprite Center during December 2024. Twenty (20) air samples were collected in 6-Liter Summa Canisters. The samples were sent to SGS located in Dayton, New Jersey. The samples were analyzed for Volatile Organic Compounds (VOCs) via EPA Method TO-15 using GC/MS in the Full Scan Mode.

The analytical results were validated using laboratory acceptance criteria, procedures and guidelines contained in the following documents: The United States Environmental Protection Agency (USEPA) Contract Laboratory Program National Functional Guidelines (NFG) for Organic Data Review (USEPA November, 2020). Also referenced for procedures were the Hazardous Waste Support Section EPA Method TO-15 data validation checklist (USEPA, 2016). Items reviewed were sample dilutions, instrument performance checks, system monitoring compounds, method blanks and equipment blanks, and duplicate analyses. Results were qualified as estimated detected ("J"), estimated high ("J+"), estimated low ("J-"), estimated non-detected ("UJ"), non-detect ("U"), or questionable ("X"), based on the guidelines referenced above.

The following sections outline the criteria which were evaluated for data validity.
Data Validation Qualifiers

Data validation qualifiers were assigned to various analytes due to compliance issues. **Table 1** lists the analytes, qualifiers, and compliance failures.

Table 1. Data Qualifiers

Sample ID	Analytes	Qualifier	Compliance Issue
OA-1 OA-2 SS-1 IA-1 SS-2 IA-2 SS-3 IA-3 SS-4 SS-5 SS-5/DUP SS IA-5 SS-6 IA-6 IA-7 SS-8 IA-8	Ethyl Acetate	J+	High LCS/LCSD
SS-5 SS-5/DUP SS	Heptane	J+	High LCS/LCSD
SS-3 SS-4	Bromoform	UJ	Low LCS/LCSD
SS-1 IA-1 SS-2 IA-2 SS-3 SS-4 IA-7 SS-8 IA-8	Acetone	J-	Low LCS/LCSD
SS-3 SS-4 IA-7 SS-8 IA-8	1,3-Butadiene Bromomethane Chloroethane	UJ	Low LCS/LCSD
SS-1 IA-1 SS-2 IA-2 SS-3 IA-3 SS-4 IA-7 SS-8 IA-8	Ethanol	J-	Low LCS/LCSD
OA-2 SS-1 IA-1 SS-2 IA-2 IA-3	Methyl Ethyl Ketone	J+	High LCS/LCSD

Sample ID	Analytes	Qualifier	Compliance Issue
SS-4 SS-5 SS-5/DUP SS IA-5 IA-5/DUP IA IA-6 IA-7 SS-8 IA-8	Methyl Ethyl Ketone	J+	High LCS/LCSD
SS-5 SS-5/DUP SS	Methylmethacrylate	J+	High LCS/LCSD
SS-1 IA-1 SS-2 SS-4 SS-5 SS-5/DUP SS SS-8	Vinyl Acetate	J+	High LCS/LCSD
IA-1	1,3-Butadiene	J-	Low LCS/LCSD
IA-1	Tetrahydrofuran	J+	High LCS/LCSD
SS-5 SS-5/DUP SS SS-6	TBA	J+	High LCS/LCSD

Notes:
LCS – Lab Control Sample
LCSD – Lab Control Sample Duplicate

2. Sample Receipt

2.1. Pre-sampling Canister Preparation

All canisters used in the sampling were demonstrated by the laboratory to be clean and leak free prior to sample collection.

2.2. COC and Field Documentation

The COC and field documentation clearly noted the following required information:

- The Region where the samples were taken,
- The Case number,
- The complete list of samples with information on:
  - Sample locations
  - Sample matrix;
  - QC audit samples;
  - Shipping dates;
  - Laboratories involved.
  - Initial/final canister pressure

The COC documentation includes sample descriptions, date(s) of sampling, starting canister pressure, ending canister temperature and time, laboratory receipt pressure, and canister ID.

Review of the chain of custody (COC) form and log-in documentation indicates that all the samples were delivered by Federal Express (the courier used to deliver the samples to the laboratory). The samples were shipped appropriately; the pressure upon receipt was acceptable for the detection limits (DL) requested as noted in **Table 2**. There were no compliance issues noted at log-in.

Table 2. Summary of Summa Canister Pressures
December 2024 Sampling Event

Sample Type	Sample Name	Lab SDG	Receipt Vac./Pres.	Acceptable Pressure?
Soil Vapor Comp.	SS-3	JE2491-1	5	Yes
Indoor Air Comp.	IA-3	JE2491-2	6	Yes
Soil Vapor Comp.	SS-4	JE2491-3	5.5	Yes
Indoor Air Comp.	IA-4	JE2491-4	5	Yes
Soil Vapor Comp.	SS-7	JE2489-1	5	Yes
Indoor Air Comp.	IA-7	JE2489-2	5.5	Yes
Soil Vapor Comp.	SS-8	JE2489-3	6	Yes
Indoor Air Comp.	IA-8	JE2489-4	6	Yes
Soil Vapor Comp.	SS-5	JE2487-1	5	Yes
Indoor Air Comp.	IA-5	JE2487-2	4.5	Yes
Soil Vapor Comp.	SS-6	JE2487-3	4.5	Yes
Indoor Air Comp.	IA-6	JE2487-4	5.5	Yes
Soil Vapor Comp.	DUP SS	JE2487-5	5.5	Yes
Indoor Air Comp.	DUP IA	JE2487-6	6	Yes
Soil Vapor Comp.	SS-1	JE2490-1	6.5	Yes
Indoor Air Comp.	IA-1	JE2490-2	5.5	Yes
Soil Vapor Comp.	SS-2	JE2490-3	6	Yes
Indoor Air Comp.	IA-2	JE2490-4	2.5	Yes
Outdoor Comp.	OA-1	JE2488-1	3.5	Yes
Outdoor Comp.	OA-2	JE2488-2	1.5	Yes

3. Validation Criteria

3.1. Initial Calibration and Continuing Calibration Criteria

There were no calibration forms or information included in the data packages. The case narratives did not note any calibration non-compliances. Data is considered usable.

3.2. Evaluating Instrument Performance Check Results

GC/MS instrument performance check results were reported for each 12-hour period when samples were analyzed. Abundance acceptance criteria employed by SGS for performance check compound Bromofluorobenzene (BFB) met ion abundance acceptance criteria provided in Table 14 of the USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review as presented in **Table 3**. GES verified that ion abundance results were within each set of acceptance criteria provided in **Table 3**.

Table 3: BFB Ion Abundance Acceptance Criteria

Mass	Ion Abundance Criteria
50	8.0 to 40.0% of m/e 95
75	30.0 to 66.0% of m/e 95
95	Base Peak, 100% Relative Abundance
96	5.0 to 9.0% of m/e 95
173	Less than 2.0% of m/e 174
174	50.0 to 120.0% of m/e 95
175	4.0 to 9.0% of m/e 174
176	93.0 to 101.0% of m/e 174
177	5.0 to 9.0% of m/e 176

3.3. Method Blank Samples

3.3.1. TO-15

One (1) Method TO-15 laboratory method blank was reported at the recommended frequency of one per analytical batch or one per 20 samples. Method blank results were reported as non-detect by the laboratory. Using raw data, GES verified that all analytes were non-detect in the method blank samples. No qualifications were required based on method blank results.

3.4. Laboratory Accuracy

Laboratory accuracy is a measure of system bias and can be measured by evaluating laboratory control samples and deuterated monitoring compounds (DMC) percent recoveries.

3.4.1. TO-15 LCS

One (1) LCS sample was analyzed with the samples reported using TO-15 methodology. The analytical laboratory had established in-house LCS performance criteria (recovery limits) for evaluation of LCS recovery results prior to analysis of samples. Percent recoveries for the analytes in the LCS had multiple recoveries both above and below the acceptable range of 70% to 130%.

For analytes with an elevated recovery, the sample data are qualified as estimated with a possible high bias (J+), if there is an above detection level concentration reported. Non-detect sample data is not affected by a possible high bias.

For analytes with a low recovery, the data, both detected and undetected are qualified as estimated with a possible low bias (UJ). See Table 1 for qualifications assigned to site data.

3.4.2. TO-15 Deuterated Monitoring Compounds

DMCs were run with the samples according to the USEPA Region 2 required usage of DMCs for Method TO-15 (USEPA Region 9, 2000). Although not required, the analytical laboratory established in-house performance criteria (recovery limits) for evaluation of DMC recovery results prior to analysis of samples. Upon review by GES personnel, all DMCs were verified to be within the laboratory-provided criteria for1,2-Dichloroethane-4-bromofluorobenzene (65% to 128%). No qualifications were required due to DMS recoveries.

3.5. Precision, Measured by Relative Percent Differences (RPDs)

The sample location SS-5 was collected in duplicate. The RPDs for the duplicate analysis were calculated for all analytes where both concentrations were greater than 5 times the reporting limit. The calculations and resultant RPDs are noted below.

Table 4A. Field Duplicate Precision
December 2024 Sampling Event

Analyte	Dup-1	SS-5	RPD <30%	Acceptable? Yes/No
Acetone (2-Propanone)	42.8	41.8	2.4	Yes
Benzene	0.47	0.50	NC	Yes
Chloromethane	ND	0.39	NC	Yes
Carbon tetrachloride	ND	0.095	NC	Yes
Dichlorodifluoromethane	0.55	0.52	NC	Yes
trans-1,2-Dichloroethylene	0.20	ND	NC	Yes
cis-1,2-Dichloroethylene	0.14	0.15	6.9	Yes
m-Dichlorobenzene	0.45	0.41	9.3	Yes
Ethanol	308 E	299 E	NC	Yes
Ethyl Acetate	3.2	20.2	145.3	No
Heptane	0.36	0.34	NC	Yes
Hexane	0.60	1.1	58.8	Yes
2-Hexanone	0.21	0.24	NC	Yes
Isopropyl Alcohol	74.6	71.3	4.5	Yes
Methylene chloride	0.60	1.2	NC	Yes
Methyl ethyl ketone	2.8	2.8	0.0	Yes
Methyl Isobutyl Ketone	0.22	0.26	NC	Yes
Methylmethacrylate	1.3	1.2	8.0	Yes
2,2,4-Trimethylpentane	ND	0.20	NC	Yes
Tertiary Butyl Alcohol	4.9	4.5	8.5	Yes
Tetrachloroethylene	1.8	1.8	0.0	Yes
Toluene	0.66	0.88	NC	Yes
Trichloroethylene	4.5	4.2	6.9	Yes
Trichlorofluoromethane	3.0	3.0	0.0	Yes
Vinyl Acetate	1.0	2.2	75.0	No
m,p-Xylene	0.30	0.36	NC	Yes
Xylenes (total)	0.42	0.51	NC	Yes

Concentrations are in parts per billion by volume (ppbv).
NC: not calculated
ND: not detected
E: above calibration range, concentration is not accurate or precise

The sample location IA-5 was collected in duplicate. The RPDs for the duplicate analysis were calculated for all analytes where both concentrations were greater than 5 times the reporting limit. The calculations and resultant RPDs are noted below.

Table 4B. Field Duplicate Precision
December 2024 Sampling Event

Analyte	DUP IA	IA-5	RPD <30%	Acceptable? Yes/No
Acetone (2-Propanone)	78.3	97.7	22.0	Yes
Benzene	0.71	0.72	1.4	Yes
Chloromethane	0.42	0.43	NC	Yes
Carbon tetrachloride	0.095	0.092	NC	Yes
Cyclohexane	0.18	0.18	NC	Yes
Dichlorodifluoromethane	0.50	0.50	NC	Yes
Ethanol	446 E	487 E	NC	Yes
Ethylbenzene	0.20	0.20	NC	Yes
Ethyl Acetate	5.0	7.2	36.1	Yes
Freon 113	ND	0.083	NC	Yes
Heptane	0.44	0.43	NC	Yes
Hexane	0.71	0.87	20.3	Yes
Isopropyl Alcohol	28.6	27.8	2.8	Yes
Methylene chloride	0.48	0.61	NC	Yes
Methyl ethyl ketone	0.67	0.84	22.5	Yes
Methylmethacrylate	11.5	9.7	17.0	Yes
Naphthalene	ND	0.27	NC	Yes
1,2,4-Trichlorobenzene	ND	0.25	NC	Yes
1,2,4-Trimethylbenzene	0.19	0.17	NC	Yes
2,2,4-Trimethylpentane	0.34	0.36	NC	Yes
Tertiary Butyl Alcohol	0.58	0.95	NC	Yes
Tetrachloroethylene	0.032	0.046	NC	Yes
Toluene	1.0	1.1	9.5	Yes
Trichloroethylene	ND	0.055	NC	Yes
Trichlorofluoromethane	0.39	0.39	0.0	Yes
m,p-Xylene	0.53	0.51	NC	Yes
o-Xylene	0.20	0.19	NC	Yes
Xylenes (total)	0.73	0.70	4.2	Yes

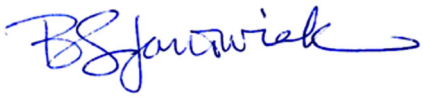
Concentrations are in parts per billion by volume (ppbv).
NC: not calculated
ND: not detected
E: above calibration range, concentration is not accurate or precise

Laboratory duplicates using site samples, where analyte concentrations fell within the calibration range and were at least 5x the RL, had precision reported within laboratory criteria. No qualifiers were required.

4. Data Package Completeness

NYSDEC Category B deliverables were included in the laboratory data package. Everything needed to perform the data validation was available.

Please do not hesitate to contact me if you have comments or questions regarding this report.



Bonnie Janowiak, Ph.D.

NRCC Environmental Chemist

Appendix E – NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York

Soil Vapor/Indoor Air Matrix A

May 2017

Analytes Assigned:
Trichloroethene (TCE), *cis*-1,2-Dichloroethene (*c*-1,2-DCE), 1,1-Dichloroethene (1,1-DCE), Carbon Tetrachloride

	INDOOR AIR CONCENTRATION of COMPOUND (mcg/m^3)		
SUB-SLAB VAPOR CONCENTRATION of COMPOUND (mcg/m^3)	< 0.2	0.2 to < 1	1 and above
< 6	1. No further action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
6 to < 60	4. No further action	5. MONITOR	6. MITIGATE
60 and above	7. MITIGATE	8. MITIGATE	9. MITIGATE

mcg/m^3 = micrograms per cubic meter

No further action: No additional actions are recommended to address human exposures.

Identify Source(s) and Resample or Mitigate: We recommend that reasonable and practical actions be taken to identify the source(s) affecting the indoor air quality and that actions be implemented to reduce indoor air concentrations to within background ranges. For example, if an indoor or outdoor air source is identified, we recommend the appropriate party implement actions to reduce the levels. In the event that indoor or outdoor sources are not readily identified or confirmed, resampling (which might include additional sub-slab vapor and indoor air sampling locations) is recommended to demonstrate that SVI mitigation actions are not needed. Based on the information available, mitigation might also be recommended when soil vapor intrusion cannot be ruled out.

Monitor: We recommend monitoring (sampling on a recurring basis), including but not necessarily limited to sub-slab vapor, basement air and outdoor air sampling, to determine whether concentrations in the indoor air or sub-slab vapor have changed and/or to evaluate temporal influences. Monitoring might also be recommended to determine whether existing building conditions (e.g., positive pressure heating, ventilation and air-conditioning systems) are maintaining the desired mitigation endpoint and to determine whether changes are needed. The type and frequency of monitoring is determined based on site-, building- and analyte-specific information, taking into account applicable environmental data and building operating conditions. Monitoring is an interim measure required to evaluate exposures related to soil vapor intrusion until contaminated environmental media are remediated.

Mitigate: We recommend mitigation to minimize current or potential exposures associated with soil vapor intrusion. The most common mitigation methods are sealing preferential pathways in conjunction with installing a sub-slab depressurization system and changing the pressurization of the building in conjunction with monitoring. The type, or combination of types, of mitigation is determined on a building-specific basis, taking into account building construction and operating conditions. Mitigation is considered a temporary measure implemented to address exposures related to soil vapor intrusion until contaminated environmental media are remediated.

These general recommendations are made with consideration being given to the additional notes on page 2.

ADDITIONAL NOTES FOR MATRIX A

This matrix summarizes actions recommended to address current and potential exposures related to soil vapor intrusion. To use the matrix appropriately as a tool in the decision-making process, the following should be noted:

[1] The matrix is generic. As such, it may be appropriate to modify a recommended action to accommodate analyte-specific, building-specific conditions (e.g., dirt floor in basement, crawl spaces, thick slabs, current occupancy, etc.), and/or factors provided in Section 3.2 of the guidance (e.g., current land use, environmental conditions, etc.). For example, collection of additional samples may be recommended when the matrix indicates "no further action" for a particular building, but the results of adjacent buildings (especially sub-slab vapor results) indicate a need to take actions to address exposures related to soil vapor intrusion. Mitigation might be recommended when the results of multiple contaminants indicate monitoring is recommended. Proactive actions may be proposed at any time. For example, the party implementing the actions may decide to install sub-slab depressurization systems on buildings where the matrix indicates "no further action" or "monitoring." Such an action might be undertaken for reasons other than public health (e.g., seeking community acceptance, reducing costs, etc.). However, actions implemented *in lieu* of sampling will typically be expected to be captured in the final engineering report and site management plan, and might not rule out the need for post-implementation sampling (e.g., to document effectiveness or to support terminating the action).

[2] Actions provided in the matrix are specific to addressing human exposures. Implementation of these actions does not preclude investigating possible sources of soil vapor contamination, nor does it preclude remediating contaminated soil vapor or the source of soil vapor contamination.

[3] Appropriate care should be taken during all aspects of sample collection to ensure that high quality data are obtained. Since the data are being used in the decision-making process, the laboratory analyzing the environmental samples must have current Environmental Laboratory Approval Program (ELAP) certification for the appropriate analyte and environmental matrix combinations. Furthermore, samples should be analyzed by methods that can achieve a minimum reporting limit of 0.20 microgram per cubic meter for indoor and outdoor air samples. For sub-slab vapor samples and dirt floor soil vapor samples, a minimum reporting limit of 1 microgram per cubic meter is recommended.

[4] Sub-slab vapor and indoor air samples are typically collected when the likelihood of soil vapor intrusion is considered to be the greatest (i.e., worst-case conditions). If samples are collected at other times (typically, samples collected outside of the heating season), then resampling during worst-case conditions might be appropriate to verify that actions taken to address exposures related to soil vapor intrusion are protective of human health.

[5] When current exposures are attributed to sources other than soil vapor intrusion, the agencies should be given documentation (e.g., applicable environmental data, completed indoor air sampling questionnaire, digital photographs, etc.) to support a proposed action other than that provided in the matrix box and to support agency assessment and follow-up.

[6] The party responsible for implementing the recommended actions will differ depending upon several factors, including but not limited to the following: the identified source of the volatile chemicals, the environmental remediation program, and analyte-specific, site-specific and building-specific factors.

Soil Vapor/Indoor Air Matrix B

May 2017

Analytes Assigned:
Tetrachloroethene (PCE), 1,1,1-Trichloroethane (1,1,1-TCA), Methylene Chloride

	INDOOR AIR CONCENTRATION of COMPOUND (mcg/m^3)		
SUB-SLAB VAPOR CONCENTRATION of COMPOUND (mcg/m^3)	< 3	3 to < 10	10 and above
< 100	1. No further action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
100 to < 1,000	4. No further action	5. MONITOR	6. MITIGATE
1,000 and above	7. MITIGATE	8. MITIGATE	9. MITIGATE

mcg/m^3 = micrograms per cubic meter

No further action: No additional actions are recommended to address human exposures.

Identify Source(s) and Resample or Mitigate: We recommend that reasonable and practical actions be taken to identify the source(s) affecting the indoor air quality and that actions be implemented to reduce indoor air concentrations to within background ranges. For example, if an indoor or outdoor air source is identified, we recommend the appropriate party implement actions to reduce the levels. In the event that indoor or outdoor sources are not readily identified or confirmed, resampling (which might include additional sub-slab vapor and indoor air sampling locations) is recommended to demonstrate that SVI mitigation actions are not needed. Based on the information available, mitigation might also be recommended when soil vapor intrusion cannot be ruled out.

Monitor: We recommend monitoring (sampling on a recurring basis), including but not necessarily limited to sub-slab vapor, basement air and outdoor air sampling, to determine whether concentrations in the indoor air or sub-slab vapor have changed and/or to evaluate temporal influences. Monitoring might also be recommended to determine whether existing building conditions (e.g., positive pressure heating, ventilation and air-conditioning systems) are maintaining the desired mitigation endpoint and to determine whether changes are needed. The type and frequency of monitoring is determined based on site-, building- and analyte-specific information, taking into account applicable environmental data and building operating conditions. Monitoring is an interim measure required to evaluate exposures related to soil vapor intrusion until contaminated environmental media are remediated.

Mitigate: We recommend mitigation to minimize current or potential exposures associated with soil vapor intrusion. The most common mitigation methods are sealing preferential pathways in conjunction with installing a sub-slab depressurization system and changing the pressurization of the building in conjunction with monitoring. The type, or combination of types, of mitigation is determined on a building-specific basis, taking into account building construction and operating conditions. Mitigation is considered a temporary measure implemented to address exposures related to soil vapor intrusion until contaminated environmental media are remediated.

These general recommendations are made with consideration being given to the additional notes on page 2.

ADDITIONAL NOTES FOR MATRIX B

This matrix summarizes actions recommended to address current and potential exposures related to soil vapor intrusion. To use the matrix appropriately as a tool in the decision-making process, the following should be noted:

[1] The matrix is generic. As such, it may be appropriate to modify a recommended action to accommodate analyte-specific, building-specific conditions (e.g., dirt floor in basement, crawl spaces, thick slabs, current occupancy, etc.), and/or factors provided in Section 3.2 of the guidance (e.g., current land use, environmental conditions, etc.). For example, collection of additional samples may be recommended when the matrix indicates "no further action" for a particular building, but the results of adjacent buildings (especially sub-slab vapor results) indicate a need to take actions to address exposures related to soil vapor intrusion. Mitigation might be recommended when the results of multiple contaminants indicate monitoring is recommended. Proactive actions may be proposed at any time. For example, the party implementing the actions may decide to install sub-slab depressurization systems on buildings where the matrix indicates "no further action" or "monitoring." Such an action might be undertaken for reasons other than public health (e.g., seeking community acceptance, reducing costs, etc.). However, actions implemented *in lieu* of sampling will typically be expected to be captured in the final engineering report and site management plan, and might not rule out the need for post-implementation sampling (e.g., to document effectiveness or to support terminating the action).

[2] Actions provided in the matrix are specific to addressing human exposures. Implementation of these actions does not preclude investigating possible sources of soil vapor contamination, nor does it preclude remediating contaminated soil vapor or the source of soil vapor contamination.

[3] Appropriate care should be taken during all aspects of sample collection to ensure that high quality data are obtained. Since the data are being used in the decision-making process, the laboratory analyzing the environmental samples must have current Environmental Laboratory Approval Program (ELAP) certification for the appropriate analyte and environmental matrix combinations. Furthermore, samples should be analyzed by methods that can achieve a minimum reporting limit of 1 microgram per cubic meter for indoor and outdoor air samples. For sub-slab vapor samples and dirt floor soil vapor samples, a minimum reporting limit of 1 microgram per cubic meter is recommended.

[4] Sub-slab vapor and indoor air samples are typically collected when the likelihood of soil vapor intrusion is considered to be the greatest (i.e., worst-case conditions). If samples are collected at other times (typically, samples collected outside of the heating season), then resampling during worst-case conditions might be appropriate to verify that actions taken to address exposures related to soil vapor intrusion are protective of human health.

[5] When current exposures are attributed to sources other than soil vapor intrusion, the agencies should be given documentation (e.g., applicable environmental data, completed indoor air sampling questionnaire, digital photographs, etc.) to support a proposed action other than that provided in the matrix box and to support agency assessment and follow-up.

[6] The party responsible for implementing the recommended actions will differ depending upon several factors, including but not limited to the following: the identified source of the volatile chemicals, the environmental remediation program, and analyte-specific, site-specific and building-specific factors.

Soil Vapor/Indoor Air Matrix C

May 2017

Analytes Assigned:
Vinyl Chloride

	INDOOR AIR CONCENTRATION of COMPOUND (mcg/m^3)	
SUB-SLAB VAPOR CONCENTRATION of COMPOUND (mcg/m^3)	< 0.2	0.2 and above
< 6	1. No further action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
6 to < 60	4. MONITOR	6. MITIGATE
60 and above	7. MITIGATE	9. MITIGATE

mcg/m^3 = micrograms per cubic meter

No further action: No additional actions are recommended to address human exposures.

Identify Source(s) and Resample or Mitigate: We recommend that reasonable and practical actions be taken to identify the source(s) affecting the indoor air quality and that actions be implemented to reduce indoor air concentrations to within background ranges. For example, if an indoor or outdoor air source is identified, we recommend the appropriate party implement actions to reduce the levels. In the event that indoor or outdoor sources are not readily identified or confirmed, resampling (which might include additional sub-slab vapor and indoor air sampling locations) is recommended to demonstrate that SVI mitigation actions are not needed. Based on the information available, mitigation might also be recommended when soil vapor intrusion cannot be ruled out.

Monitor: We recommend monitoring (sampling on a recurring basis), including but not necessarily limited to sub-slab vapor, basement air and outdoor air sampling, to determine whether concentrations in the indoor air or sub-slab vapor have changed and/or to evaluate temporal influences. Monitoring might also be recommended to determine whether existing building conditions (e.g., positive pressure heating, ventilation and air-conditioning systems) are maintaining the desired mitigation endpoint and to determine whether changes are needed. The type and frequency of monitoring is determined based on site-, building- and analyte-specific information, taking into account applicable environmental data and building operating conditions. Monitoring is an interim measure required to evaluate exposures related to soil vapor intrusion until contaminated environmental media are remediated.

Mitigate: We recommend mitigation to minimize current or potential exposures associated with soil vapor intrusion. The most common mitigation methods are sealing preferential pathways in conjunction with installing a sub-slab depressurization system and changing the pressurization of the building in conjunction with monitoring. The type, or combination of types, of mitigation is determined on a building-specific basis, taking into account building construction and operating conditions. Mitigation is considered a temporary measure implemented to address exposures related to soil vapor intrusion until contaminated environmental media are remediated.

These general recommendations are made with consideration being given to the additional notes on page 2.

ADDITIONAL NOTES FOR MATRIX C

This matrix summarizes actions recommended to address current and potential exposures related to soil vapor intrusion. To use the matrix appropriately as a tool in the decision-making process, the following should be noted:

[1] The matrix is generic. As such, it may be appropriate to modify a recommended action to accommodate analyte-specific, building-specific conditions (e.g., dirt floor in basement, crawl spaces, thick slabs, current occupancy, etc.), and/or factors provided in Section 3.2 of the guidance (e.g., current land use, environmental conditions, etc.). For example, collection of additional samples may be recommended when the matrix indicates "no further action" for a particular building, but the results of adjacent buildings (especially sub-slab vapor results) indicate a need to take actions to address exposures related to soil vapor intrusion. Mitigation might be recommended when the results of multiple contaminants indicate monitoring is recommended. Proactive actions may be proposed at any time. For example, the party implementing the actions may decide to install sub-slab depressurization systems on buildings where the matrix indicates "no further action" or "monitoring." Such an action might be undertaken for reasons other than public health (e.g., seeking community acceptance, reducing costs, etc.). However, actions implemented *in lieu* of sampling will typically be expected to be captured in the final engineering report and site management plan, and might not rule out the need for post-implementation sampling (e.g., to document effectiveness or to support terminating the action).

[2] Actions provided in the matrix are specific to addressing human exposures. Implementation of these actions does not preclude investigating possible sources of soil vapor contamination, nor does it preclude remediating contaminated soil vapor or the source of soil vapor contamination.

[3] Appropriate care should be taken during all aspects of sample collection to ensure that high quality data are obtained. Since the data are being used in the decision-making process, the laboratory analyzing the environmental samples must have current Environmental Laboratory Approval Program (ELAP) certification for the appropriate analyte and environmental matrix combinations. Furthermore, samples should be analyzed by methods that can achieve a minimum reporting limit of 0.20 microgram per cubic meter for indoor and outdoor air samples. For sub-slab vapor samples and dirt floor soil vapor samples, a minimum reporting limit of 1 microgram per cubic meter is recommended.

[4] Sub-slab vapor and indoor air samples are typically collected when the likelihood of soil vapor intrusion is considered to be the greatest (i.e., worst-case conditions). If samples are collected at other times (typically, samples collected outside of the heating season), then resampling during worst-case conditions might be appropriate to verify that actions taken to address exposures related to soil vapor intrusion are protective of human health.

[5] When current exposures are attributed to sources other than soil vapor intrusion, the agencies should be given documentation (e.g., applicable environmental data, completed indoor air sampling questionnaire, digital photographs, etc.) to support a proposed action other than that provided in the matrix box and to support agency assessment and follow-up.

[6] The party responsible for implementing the recommended actions will differ depending upon several factors, including but not limited to the following: the identified source of the volatile chemicals, the environmental remediation program, and analyte-specific, site-specific and building-specific factors.

Soil Vapor/Indoor Air Matrix D

February 2024

Analytes Assigned:
Benzene, ethylbenzene, naphthalene, cyclohexane, isooctane (2,2,4-trimethylpentane), 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, *o*-xylene

	INDOOR AIR CONCENTRATION of COMPOUND (mcg/m^3)		
SUB-SLAB VAPOR CONCENTRATION of COMPOUND (mcg/m^3)	< 2	2 to < 10	10 and above
< 60	1. No further action	2. No Further Action	3. IDENTIFY SOURCE(S) or RESAMPLE or MITIGATE
60 to < 600	4. No further action	5. MONITOR	6. MITIGATE
600 and above	7. MITIGATE	8. MITIGATE	9. MITIGATE

mcg/m^3 = micrograms per cubic meter

No further action: No additional actions are recommended to address human exposures.

Identify Source(s) or Resample or Mitigate: We recommend that reasonable and practical actions be taken to identify the source(s) affecting the indoor air quality and that actions be implemented to reduce indoor air concentrations to within background ranges. For example, if an indoor or outdoor air source is identified, we recommend the appropriate party implement actions to reduce the levels. In the event that indoor or outdoor sources are not readily identified or confirmed, resampling (which might include additional sub-slab vapor and indoor air sampling locations) is recommended to demonstrate that SVI mitigation actions are not needed. Based on the information available, mitigation might also be recommended when soil vapor intrusion cannot be ruled out.

Monitor: We recommend monitoring (sampling on a recurring basis), including but not necessarily limited to sub-slab vapor, basement air and outdoor air sampling, to determine whether concentrations in the indoor air or sub-slab vapor have changed and/or to evaluate temporal influences. Monitoring might also be recommended to determine whether existing building conditions (e.g., positive pressure heating, ventilation, and air-conditioning systems) are maintaining the desired mitigation endpoint and to determine whether changes are needed. The type and frequency of monitoring is determined based on site-, building- and analyte-specific information, taking into account applicable environmental data and building operating conditions. Monitoring is an interim measure required to evaluate exposures related to soil vapor intrusion until contaminated environmental media are remediated.

Mitigate: We recommend mitigation to minimize current or potential exposures associated with soil vapor intrusion. The most common mitigation methods are sealing preferential pathways in conjunction with installing a sub-slab depressurization system and changing the pressurization of the building in conjunction with monitoring. The type, or combination of types, of mitigation is determined on a building -specific basis, taking into account building construction and operating conditions. Mitigation is considered a temporary measure implemented to address exposures related to soil vapor intrusion until contaminated environmental media are remediated.

These general recommendations are made with consideration being given to the additional notes on page 2.

ADDITIONAL NOTES FOR MATRIX D

This matrix summarizes actions recommended to address current and potential exposures related to soil vapor intrusion. To use the matrix appropriately as a tool in the decision-making process, the following should be noted:

[1] The matrix is generic. As such, it may be appropriate to modify a recommended action to accommodate analyte-specific, building-specific conditions (e.g., dirt floor in basement, crawl spaces, thick slabs, current occupancy, etc.), and/or factors provided in Section 3.2 of the guidance (e.g., current land use, environmental conditions, etc.). For example, collection of additional samples may be recommended when the matrix indicates "no further action" for a particular building, but the results of adjacent buildings (especially sub-slab vapor results) indicate a need to take actions to address exposures related to soil vapor intrusion. Mitigation might be recommended when the results of multiple contaminants indicate monitoring is recommended. Proactive actions may be proposed at any time. For example, the party implementing the actions may decide to install sub-slab depressurization systems on buildings where the matrix indicates "no further action" or "monitoring." Such an action might be undertaken for reasons other than public health (e.g., seeking community acceptance, reducing costs, etc.). However, actions implemented *in lieu* of sampling will typically be expected to be captured in the final engineering report and site management plan, and might not rule out the need for post-implementation sampling (e.g., to document effectiveness or to support terminating the action).

[2] Actions provided in the matrix are specific to addressing human exposures. Implementation of these actions does not preclude investigating possible sources of soil vapor contamination, nor does it preclude remediating contaminated soil vapor or the source of soil vapor contamination.

[3] Appropriate care should be taken during all aspects of sample collection to ensure that high quality data are obtained. Since the data are being used in the decision-making process, the laboratory analyzing the environmental samples must have current Environmental Laboratory Approval Program (ELAP) certification for the appropriate analyte and environmental matrix combinations. Furthermore, samples should be analyzed by methods that can achieve a minimum reporting limit of 1 microgram per cubic meter for indoor and outdoor air samples. For sub-slab vapor samples and dirt floor soil vapor samples, a minimum reporting limit of 1 microgram per cubic meter is recommended.

[4] Sub-slab vapor and indoor air samples are typically collected when the likelihood of soil vapor intrusion to occur is considered to be the greatest (i.e., worst-case conditions). If samples are collected at other times (typically, samples collected outside of the heating season), then resampling during worst-case conditions might be appropriate to verify that actions taken to address exposures related to soil vapor intrusion are protective of human health.

[5] When current exposures are attributed to sources other than soil vapor intrusion, the agencies should be given documentation (e.g., applicable environmental data, completed indoor air sampling questionnaire, digital photographs, etc.) to support a proposed action other than that provided in the matrix box and to support agency assessment and follow-up.

[6] The party responsible for implementing the recommended actions will differ depending upon several factors, including but not limited to the following: the identified source of the volatile chemicals, the environmental remediation program, and analyte-specific, site-specific and building-specific factors.

Soil Vapor/Indoor Air Matrix E

February 2024

Analytes Assigned:
m-xylene, *p*-xylene, heptane, hexane

	INDOOR AIR CONCENTRATION of COMPOUND (mcg/m^3)		
SUB-SLAB VAPOR CONCENTRATION of COMPOUND (mcg/m^3)	< 6	6 to < 20	20 and above
< 200	1. No further action	2. No Further Action	3. IDENTIFY SOURCE(S) or RESAMPLE or MITIGATE
200 to < 2,000	4. No further action	5. MONITOR	6. MITIGATE
2,000 and above	7. MITIGATE	8. MITIGATE	9. MITIGATE

mcg/m^3 = micrograms per cubic meter

No further action: No additional actions are recommended to address human exposures.

Identify Source(s) or Resample or Mitigate: We recommend that reasonable and practical actions be taken to identify the source(s) affecting the indoor air quality and that actions be implemented to reduce indoor air concentrations to within background ranges. For example, if an indoor or outdoor air source is identified, we recommend the appropriate party implement actions to reduce the levels. In the event that indoor or outdoor sources are not readily identified or confirmed, resampling (which might include additional sub-slab vapor and indoor air sampling locations) is recommended to demonstrate that SVI mitigation actions are not needed. Based on the information available, mitigation might also be recommended when soil vapor intrusion cannot be ruled out.

Monitor: We recommend monitoring (sampling on a recurring basis), including but not necessarily limited to sub-slab vapor, basement air and outdoor air sampling, to determine whether concentrations in the indoor air or sub-slab vapor have changed and/or to evaluate temporal influences. Monitoring might also be recommended to determine whether existing building conditions (e.g., positive pressure heating, ventilation, and air-conditioning systems) are maintaining the desired mitigation endpoint and to determine whether changes are needed. The type and frequency of monitoring is determined based on site-, building- and analyte-specific information, taking into account applicable environmental data and building operating conditions. Monitoring is an interim measure required to evaluate exposures related to soil vapor intrusion until contaminated environmental media are remediated.

Mitigate: We recommend mitigation to minimize current or potential exposures associated with soil vapor intrusion. The most common mitigation methods are sealing preferential pathways in conjunction with installing a sub-slab depressurization system and changing the pressurization of the building in conjunction with monitoring. The type, or combination of types, of mitigation is determined on a building -specific basis, taking into account building construction and operating conditions. Mitigation is considered a temporary measure implemented to address exposures related to soil vapor intrusion until contaminated environmental media are remediated.

These general recommendations are made with consideration being given to the additional notes on page 2.

ADDITIONAL NOTES FOR MATRIX E

This matrix summarizes actions recommended to address current and potential exposures related to soil vapor intrusion. To use the matrix appropriately as a tool in the decision-making process, the following should be noted:

[1] The matrix is generic. As such, it may be appropriate to modify a recommended action to accommodate analyte-specific, building-specific conditions (e.g., dirt floor in basement, crawl spaces, thick slabs, current occupancy, etc.), and/or factors provided in Section 3.2 of the guidance (e.g., current land use, environmental conditions, etc.). For example, collection of additional samples may be recommended when the matrix indicates "no further action" for a particular building, but the results of adjacent buildings (especially sub-slab vapor results) indicate a need to take actions to address exposures related to soil vapor intrusion. Mitigation might be recommended when the results of multiple contaminants indicate monitoring is recommended. Proactive actions may be proposed at any time. For example, the party implementing the actions may decide to install sub-slab depressurization systems on buildings where the matrix indicates "no further action" or "monitoring." Such an action might be undertaken for reasons other than public health (e.g., seeking community acceptance, reducing costs, etc.). However, actions implemented *in lieu* of sampling will typically be expected to be captured in the final engineering report and site management plan, and might not rule out the need for post-implementation sampling (e.g., to document effectiveness or to support terminating the action).

[2] Actions provided in the matrix are specific to addressing human exposures. Implementation of these actions does not preclude investigating possible sources of soil vapor contamination, nor does it preclude remediating contaminated soil vapor or the source of soil vapor contamination.

[3] Appropriate care should be taken during all aspects of sample collection to ensure that high quality data are obtained. Since the data are being used in the decision-making process, the laboratory analyzing the environmental samples must have current Environmental Laboratory Approval Program (ELAP) certification for the appropriate analyte and environmental matrix combinations. Furthermore, samples should be analyzed by methods that can achieve a minimum reporting limit of 1 microgram per cubic meter for indoor and outdoor air samples. For sub-slab vapor samples and dirt floor soil vapor samples, a minimum reporting limit of 1 microgram per cubic meter is recommended.

[4] Sub-slab vapor and indoor air samples are typically collected when the likelihood of soil vapor intrusion to occur is considered to be the greatest (i.e., worst-case conditions). If samples are collected at other times (typically, samples collected outside of the heating season), then resampling during worst-case conditions might be appropriate to verify that actions taken to address exposures related to soil vapor intrusion are protective of human health.

[5] When current exposures are attributed to sources other than soil vapor intrusion, the agencies should be given documentation (e.g., applicable environmental data, completed indoor air sampling questionnaire, digital photographs, etc.) to support a proposed action other than that provided in the matrix box and to support agency assessment and follow-up.

[6] The party responsible for implementing the recommended actions will differ depending upon several factors, including but not limited to the following: the identified source of the volatile chemicals, the environmental remediation program, and analyte-specific, site-specific and building-specific factors.

Soil Vapor/Indoor Air Matrix F

February 2024

Analytes Assigned:
Toluene

	INDOOR AIR CONCENTRATION of COMPOUND (mcg/m^3)		
SUB-SLAB VAPOR CONCENTRATION of COMPOUND (mcg/m^3)	< 10	10 to < 50	50 and above
< 300	1. No further action	2. No Further Action	3. IDENTIFY SOURCE(S) or RESAMPLE or MITIGATE
300 to < 3,000	4. No further action	5. MONITOR	6. MITIGATE
3,000 and above	7. MITIGATE	8. MITIGATE	9. MITIGATE

mcg/m^3 = micrograms per cubic meter

No further action: No additional actions are recommended to address human exposures.

Identify Source(s) or Resample or Mitigate: We recommend that reasonable and practical actions be taken to identify the source(s) affecting the indoor air quality and that actions be implemented to reduce indoor air concentrations to within background ranges. For example, if an indoor or outdoor air source is identified, we recommend the appropriate party implement actions to reduce the levels. In the event that indoor or outdoor sources are not readily identified or confirmed, resampling (which might include additional sub-slab vapor and indoor air sampling locations) is recommended to demonstrate that SVI mitigation actions are not needed. Based on the information available, mitigation might also be recommended when soil vapor intrusion cannot be ruled out.

Monitor: We recommend monitoring (sampling on a recurring basis), including but not necessarily limited to sub-slab vapor, basement air and outdoor air sampling, to determine whether concentrations in the indoor air or sub-slab vapor have changed and/or to evaluate temporal influences. Monitoring might also be recommended to determine whether existing building conditions (e.g., positive pressure heating, ventilation, and air-conditioning systems) are maintaining the desired mitigation endpoint and to determine whether changes are needed. The type and frequency of monitoring is determined based on site-, building- and analyte-specific information, taking into account applicable environmental data and building operating conditions. Monitoring is an interim measure required to evaluate exposures related to soil vapor intrusion until contaminated environmental media are remediated.

Mitigate: We recommend mitigation to minimize current or potential exposures associated with soil vapor intrusion. The most common mitigation methods are sealing preferential pathways in conjunction with installing a sub-slab depressurization system and changing the pressurization of the building in conjunction with monitoring. The type, or combination of types, of mitigation is determined on a building -specific basis, taking into account building construction and operating conditions. Mitigation is considered a temporary measure implemented to address exposures related to soil vapor intrusion until contaminated environmental media are remediated.

These general recommendations are made with consideration being given to the additional notes on page 2.

ADDITIONAL NOTES FOR MATRIX F

This matrix summarizes actions recommended to address current and potential exposures related to soil vapor intrusion. To use the matrix appropriately as a tool in the decision-making process, the following should be noted:

[1] The matrix is generic. As such, it may be appropriate to modify a recommended action to accommodate analyte-specific, building-specific conditions (e.g., dirt floor in basement, crawl spaces, thick slabs, current occupancy, etc.), and/or factors provided in Section 3.2 of the guidance (e.g., current land use, environmental conditions, etc.). For example, collection of additional samples may be recommended when the matrix indicates "no further action" for a particular building, but the results of adjacent buildings (especially sub-slab vapor results) indicate a need to take actions to address exposures related to soil vapor intrusion. Mitigation might be recommended when the results of multiple contaminants indicate monitoring is recommended. Proactive actions may be proposed at any time. For example, the party implementing the actions may decide to install sub-slab depressurization systems on buildings where the matrix indicates "no further action" or "monitoring." Such an action might be undertaken for reasons other than public health (e.g., seeking community acceptance, reducing costs, etc.). However, actions implemented *in lieu* of sampling will typically be expected to be captured in the final engineering report and site management plan, and might not rule out the need for post-implementation sampling (e.g., to document effectiveness or to support terminating the action).

[2] Actions provided in the matrix are specific to addressing human exposures. Implementation of these actions does not preclude investigating possible sources of soil vapor contamination, nor does it preclude remediating contaminated soil vapor or the source of soil vapor contamination.

[3] Appropriate care should be taken during all aspects of sample collection to ensure that high quality data are obtained. Since the data are being used in the decision-making process, the laboratory analyzing the environmental samples must have current Environmental Laboratory Approval Program (ELAP) certification for the appropriate analyte and environmental matrix combinations. Furthermore, samples should be analyzed by methods that can achieve a minimum reporting limit of 1 microgram per cubic meter for indoor and outdoor air samples. For sub-slab vapor samples and dirt floor soil vapor samples, a minimum reporting limit of 1 microgram per cubic meter is recommended.

[4] Sub-slab vapor and indoor air samples are typically collected when the likelihood of soil vapor intrusion to occur is considered to be the greatest (i.e., worst-case conditions). If samples are collected at other times (typically, samples collected outside of the heating season), then resampling during worst-case conditions might be appropriate to verify that actions taken to address exposures related to soil vapor intrusion are protective of human health.

[5] When current exposures are attributed to sources other than soil vapor intrusion, the agencies should be given documentation (e.g., applicable environmental data, completed indoor air sampling questionnaire, digital photographs, etc.) to support a proposed action other than that provided in the matrix box and to support agency assessment and follow-up.

[6] The party responsible for implementing the recommended actions will differ depending upon several factors, including but not limited to the following: the identified source of the volatile chemicals, the environmental remediation program, and analyte-specific, site-specific and building-specific factors.